HIGHWAY WORK PROPOSAL

Wisconsin Department of Transportation
DT1502 01/2020 s.66.0901(7) Wis. Stats

Proposal Number: 018

COUNTY	STATE PROJECT	FEDERAL	PROJECT DESCRIPTION	HIGHWAY
Outagamie	1130-64-76	WISC 2024306	Appleton - De Pere; Northland/STH 15 Intchg B440315/16	IH 041
Outagamie	1130-64-81	WISC 2024229	Appleton - De Pere; Capitol Drive Overpass B440317	IH 041

ADDENDUM REQUIRED

ATTACHED AT BACK

This proposal, submitted by the undersigned bidder to the Wisconsin Department of Transportation, is in accordance with the advertised request for proposals. The bidder is to furnish and deliver all materials, and to perform all work for the improvement of the designated project in the time specified, in accordance with the appended Proposal Requirements and Conditions.

Proposal Guaranty Required: $880,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: February 13, 2024 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code **SAMPLE** **NOT FOR BIDDING PURPOSES**
Contract Completion Time November 01, 2025	
Assigned Disadvantaged Business Enterprise Goal 8%	This contract is subject to federal oversight.

This certifies that the undersigned bidder, duly sworn, is an authorized representative of the firm named above; that the bidder has examined and carefully prepared the bid from the plans, Highway Work Proposal, and all addenda, and has checked the same in detail before submitting this proposal or bid; and that the bidder or agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal bid.

Do not sign, notarize, or submit this Highway Work Proposal when submitting an electronic bid on the Internet.

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)	(Bidder Signature)
(Print or Type Name, Notary Public, State Wisconsin)	(Print or Type Bidder Name)
(Date Commission Expires)	(Bidder Title)

Notary Seal

Type of Work: **For Department Use Only**

Grading, Base, Concrete Pavement, Asphalt Pavement, Bridge Construction, Culvert Pipe, Storm Sewer, Curb and Gutter, Sidewalk, Concrete Barrier, Guardrail, Fencing, Signs, Retaining Walls, Pavement Markings, Street Lighting, Traffic Signals.

Notice of Award Dated	Date Guaranty Returned

PLEASE ATTACH
PROPOSAL GUARANTY HERE

PROPOSAL REQUIREMENTS AND CONDITIONS

The bidder, signing and submitting this proposal, agrees and declares as a condition thereof, to be bound by the following conditions and requirements.

If the bidder has a corporate relationship with the proposal design engineering company, the bidder declares that it did not obtain any facts, data, or other information related to this proposal from the design engineering company that was not available to all bidders.

The bidder declares that they have carefully examined the site of, and the proposal, plans, specifications and contract forms for the work contemplated, and it is assumed that the bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and quantities of work to be performed and materials to be furnished, and as to the requirements of the specifications, special provisions and contract. It is mutually agreed that submission of a proposal shall be considered conclusive evidence that the bidder has made such examination.

The bidder submits herewith a proposal guaranty in proper form and amount payable to the party as designated in the advertisement inviting proposals, to be retained by and become the property of the owner of the work in the event the undersigned shall fail to execute the contract and contract bond and return the same to the office of the engineer within fourteen (14) days after having been notified in writing to do so; otherwise to be returned.

The bidder declares that they understand that the estimate of quantities in the attached schedule is approximate only and that the attached quantities may be greater or less in accordance with the specifications.

The bidder agrees to perform the said work, for and in consideration of the payment of the amount becoming due on account of work performed, according to the unit prices bid in the following schedule, and to accept such amounts in full payment of said work.

The bidder declares that all of the said work will be performed at their own proper cost and expense, that they will furnish all necessary materials, labor, tools, machinery, apparatus, and other means of construction in the manner provided in the applicable specifications and the approved plans for the work together with all standard and special designs that may be designed on such plans, and the special provisions in the contract of which this proposal will become a part, if and when accepted. The bidder further agrees that the applicable specifications and all plans and working drawings are made a part hereof, as fully and completely as if attached hereto.

The bidder, if awarded the contract, agrees to begin the work not later than ten (10) days after the date of written notification from the engineer to do so, unless otherwise stipulated in the special provisions.

The bidder declares that if they are awarded the contract, they will execute the contract agreement and begin and complete the work within the time named herein, and they will file a good and sufficient surety bond for the amount of the contract for performance and also for the full amount of the contract for payment.

The bidder, if awarded the contract, shall pay all claims as required by Section 779.14, Statutes of Wisconsin, and shall be subject to and discharge all liabilities for injuries pursuant to Chapter 102 of the Statutes of Wisconsin, and all acts amendatory thereto. They shall further be responsible for any damages to property or injury to persons occurring through their own negligence or that of their employees or agents, incident to the performance of work under this contract, pursuant to the Standard Specifications for Road and Bridge Construction applicable to this contract.

In connection with the performance of work under this contract, the contractor agrees to comply with all applicable state and federal statutes relating to non-discrimination in employment. No otherwise qualified person shall be excluded from employment or otherwise be subject to discrimination in employment in any manner on the basis of age, race, religion, color, gender, national origin or ancestry, disability, arrest or conviction record (in keeping with s.111.32), sexual orientation, marital status, membership in the military reserve, honesty testing, genetic testing, and outside use of lawful products. This provision shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation, and selection for training, including apprenticeship. The contractor further agrees to ensure equal opportunity in employment to all applicants and employees and to take affirmative action to attain a representative workforce.

The contractor agrees to post notices and posters setting forth the provisions of the nondiscrimination clause, in a conspicuous and easily accessible place, available for employees and applicants for employment.

If a state public official (section 19.42, Stats.) or an organization in which a state public official holds at least a 10% interest is a party to this agreement, this contract is voidable by the state unless appropriate disclosure is made to the State of Wisconsin Ethics Board.

BID PREPARATION

Preparing the Proposal Schedule of Items

A. General

(1) Obtain bidding proposals as specified in section 102 of the standard specifications prior to 11:45 AM of the last business day preceding the letting. Submit bidding proposals using one of the following methods:

1. Electronic bid on the internet.
2. Electronic bid on a printout with accompanying diskette or CD ROM.
3. Paper bid under a waiver of the electronic submittal requirements.

(2) Bids submitted on a printout with accompanying diskette or CD ROM or paper bids submitted under a waiver of the electronic submittal requirements govern over bids submitted on the internet.

(3) The department will provide bidding information through the department's web site at:

https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx

The contractor is responsible for reviewing this web site for general notices as well as information regarding proposals in each letting. The department will also post special notices of all addenda to each proposal through this web site no later than 4:00 PM local time on the Thursday before the letting. Check the department's web site after 5:00 PM local time on the Thursday before the letting to ensure all addenda have been accounted for before preparing the bid. When bidding using methods 1 and 2 above, check the Bid Express™ on-line bidding exchange at http://www.bidx.com/ after 5:00 PM local time on the Thursday before the letting to ensure that the latest schedule of items Expedite file (*.ebs or *.00x) is used to submit the final bid.

(4) Interested parties can subscribe to the Bid Express™ on-line bidding exchange by following the instructions provided at the www.bidx.com web site or by contacting:

Info Tech Inc.
5700 SW 34th Street, Suite 1235
Gainesville, FL 32608-5371
email: mailto:customer.support@bidx.com

(5) The department will address equipment and process failures, if the bidder can demonstrate that those failures were beyond their control.

(6) Contractors are responsible for checking on the issuance of addenda and for obtaining the addenda. Notice of issuance of addenda is posted on the department's web site at:

https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx

or by calling the department at (608) 266-1631. Addenda can ONLY be obtained from the department's web site listed above or by picking up the addenda at the Bureau of Highway Construction, 4th floor, 4822 Madison Yards Way, Madison, WI, during regular business hours.

(7) Addenda posted after 5:00 PM on the Thursday before the letting will be emailed to the eligible bidders for that proposal. All eligible bidders shall acknowledge receipt of the addenda whether they are bidding on the proposal or not. Not acknowledging receipt may jeopardize the awarding of the project.

B. Submitting Electronic Bids

B.1 On the Internet

(1) Do the following before submitting the bid:

4. Have a properly executed annual bid bond on file with the department.
5. Have a digital ID on file with and enabled by Info Tech Inc. Using this digital ID will constitute the bidder's signature for proper execution of the bidding proposal.

(2) In lieu of preparing, delivering, and submitting the proposal as specified in 102.6 and 102.9 of the standard specifications, submit the proposal on the internet as follows:

1. Download the latest schedule of items reflecting all addenda from the Bid Express™ web site.
2. Use Expedite™ software to enter a unit price for every item in the schedule of items.
3. Submit the bid according to the requirements of Expedite™ software and the Bid Express™ web site. Do not submit a bid on a printout with accompanying diskette or CD ROM or a paper bid. If the bidder does submit a bid on a printout with accompanying diskette or a paper bid in addition to the internet submittal, the department will disregard the internet bid
4. Submit the bid before the hour and date the Notice to Contractors designates
5. Do not sign, notarize, and return the bidding proposal described in 102.2 of the standard specifications.

(3) The department will not consider the bid accepted until the hour and date the Notice to Contractors designates.

B.2 On a Printout with Accompanying Diskette or CD ROM

(1) Download the latest schedule of items from the Wisconsin pages of the Bid Express web site reflecting the latest addenda posted on the department's web site at:

https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx

Use Expedite™ software to prepare and print the schedule of items. Provide a valid amount for all price fields. Follow instructions and review the help screens provided on the Bid Express™ web site to assure that the schedule of items is prepared properly.

(2) Staple an 8 1/2 by 11 inch printout of the Expedite□□ generated schedule of items to the other proposal documents submitted to the department as a part of the bidder's sealed bid. As a separate submittal, not in the sealed bid envelop but due at the same time and place as the sealed bid, also provide the Expedite™ generated schedule of items on a 3 1/2 inch computer diskette or CD ROM. Label each diskette or CD ROM with the bidder's name, the 4 character department-assigned bidder identification code from the top of the bidding proposal, and a list of the proposal numbers included on that diskette or CD ROM as indicated in the following example:

Bidder Name
BN00
Proposals: 1, 12, 14, & 22

(3) If bidding on more than one proposal in the letting, the bidder may include all proposals for that letting on one diskette or CD ROM. Include only submitted proposals with no incomplete or other files on the diskette or CD ROM.

(4) The bidder-submitted printout of the Expedite□□ generated schedule of items is the governing contract document and must conform to the requirements of section 102 of the standard specifications. If a printout needs to be altered, cross out the printed information with ink or typewriter and enter the new information and initial it in ink. If there is a discrepancy between the printout and the diskette or CD ROM, the department will analyze the bid using the printout information.

(5) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:

1. The check code printed on the bottom of the printout of the Expedite™ generated schedule of items is not the same on each page.
2. The check code printed on the printout of the Expedite™ generated schedule of items is not the same as the check code for that proposal provided on the diskette or CD ROM.
3. The diskette or CD ROM is not submitted at the time and place the department designates.

B Waiver of Electronic Submittal

(1) The bidder may request a waiver of the electronic submittal requirements. Submit a written request for a waiver in lieu of bids submitted on the internet or on a printout with accompanying diskette or CD ROM. Use the waiver that was included with the paper bid document sent to the bidder or type up a waiver on the bidder's letterhead. The department will waive the electronic submittal requirements for a bidding entity (individual, partnership, joint venture, corporation, or limited liability company) for up to 4 individual proposals in a calendar year. The department may allow additional waivers for equipment malfunctions.

(2) Submit a schedule of items on paper conforming to section 102 of the standard specifications. The department charges the bidder a $75 administrative fee per proposal, payable at the time and place the department designates for receiving bids, to cover the costs of data entry. The department will accept a check or money order payable to: "Wisconsin, Dept. of Transportation."

(3) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:

1. The bidder fails to provide the written request for waiver of the electronic submittal requirements.
2. The bidder fails to pay the $75 administrative fee before the time the department designates for the opening of bids unless the bidder requests on the waiver that they be billed for the $75.
3. The bidder exceeds 4 waivers of electronic submittal requirements within a calendar year.

(4) In addition to the reasons specified in section 102 of the standard specifications, the department may refuse to issue bidding proposals for future contracts to a bidding entity that owes the department administrative fees for a waiver of electronic submittal requirements.

PROPOSAL BID BOND

Wisconsin Department of Transportation

DT1303 1/2006

Proposal Number	Project Number	Letting Date
Name of Principal		
Name of Surety	State in Which Surety is Organized	

We, the above-named Principal and the above-named Surety, are held and firmly bound unto the State of Wisconsin in the sum equal to the Proposal Guaranty for the total bid submitted for the payment to be made; we jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns. The condition of this obligation is that the Principal has submitted a bid proposal to the State of Wisconsin acting through the Department of Transportation for the improvement designated by the Proposal Number and Letting Date indicated above.

If the Principal is awarded the contract and, within the time and manner required by law after the prescribed forms are presented for signature, enters into a written contract in accordance with the bid, and files the bond with the Department of Transportation to guarantee faithful performance and payment for labor and materials, as required by law, or if the Department of Transportation shall reject all bids for the work described, then this obligation shall be null and void; otherwise, it shall be and remain in full force and effect. In the event of failure of the Principal to enter into the contract or give the specified bond, the Principal shall pay to the Department of Transportation **within 10 business days of demand** a total equal to the Proposal Guaranty as liquidated damages; the liability of the Surety continues for the full amount of the obligation as stated until the obligation is paid in full.

The Surety, for value received, agrees that the obligations of it and its bond shall not be impaired or affected by any extension of time within which the Department of Transportation may accept the bid; and the Surety does waive notice of any such extension.

IN WITNESS, the Principal and Surety have agreed and have signed by their proper officers and have caused their corporate seals to be affixed this date: **(DATE MUST BE ENTERED)**

PRINCIPAL

(Company Name) **(Affix Corporate Seal)**

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Name of Surety) **(Affix Seal)**

(Signature of Attorney-in-Fact)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

On the above date, this instrument was acknowledged before me by the named person(s).

(Signature, Notary Public, State of Wisconsin)

(Print or Type Name, Notary Public, State of Wisconsin)

(Date Commission Expires)

Notary Seal

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

On the above date, this instrument was acknowledged before me by the named person(s).

(Signature, Notary Public, State of Wisconsin)

(Print or Type Name, Notary Public, State of Wisconsin)

(Date Commission Expires)

Notary Seal

IMPORTANT: A certified copy of Power of Attorney of the signatory agent must be attached to the bid bond.

CERTIFICATE OF ANNUAL BID BOND

Wisconsin Department of Transportation

DT1305 8/2003

Time Period Valid (From/To)
Name of Surety
Name of Contractor
Certificate Holder Wisconsin Department of Transportation

This is to certify that an annual bid bond issued by the above-named Surety is currently on file with the Wisconsin Department of Transportation.

This certificate is issued as a matter of information and conveys no rights upon the certificate holder and does not amend, extend or alter the coverage of the annual bid bond.

Cancellation: Should the above policy be cancelled before the expiration date, the issuing surety will give thirty (30) days written notice to the certificate holder indicated above.

(Signature of Authorized Contractor Representative) (Date)

Effective with March 2010 Letting

LIST OF SUBCONTRACTORS

Section 66.0901(7), Wisconsin Statutes, provides that as a part of the proposal, the bidder also shall submit a list of the subcontractors the bidder proposes to contract with and the class of work to be performed by each. In order to qualify for inclusion in the bidder's list a subcontractor shall first submit a bid in writing, to the general contractor at least 48 hours prior to the time of the bid closing. The list may not be added to or altered without the written consent of the municipality. A proposal of a bidder is not invalid if any subcontractor and the class of work to be performed by the subcontractor has been omitted from a proposal; the omission shall be considered inadvertent or the bidder will perform the work personally.

No subcontract, whether listed herein or later proposed, may be entered into without the written consent of the Engineer as provided in Subsection 108.1 of the Standard Specifications.

Name of Subcontractor	Class of Work	Estimated Value

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS - PRIMARY COVERED TRANSACTIONS

Instructions for Certification

1. By signing and submitting this proposal, the prospective contractor is providing the certification set out below.

2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective contractor shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective contractor to furnish a certification or an explanation shall disqualify such person from participation in this transaction.

3. The certification in this clause is a material representation of fact upon which reliance was placed when the department determined to enter into this transaction. If it is later determined that the contractor knowingly rendered an erroneous certification in addition to other remedies available to the Federal Government the department may terminate this transaction for cause or default.

4. The prospective contractor shall provide immediate written notice to the department to whom this proposal is submitted if at any time the prospective contractor learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department to which this proposal is being submitted for assistance in obtaining a copy of those regulations.

6. The prospective contractor agrees by submitting this proposal that, should this contract be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department entering into this transaction.

7. The prospective contractor further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," which is included as an addendum to PR- 1273 - "Required Contract Provisions Federal Aid Construction Contracts," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

8. The contractor may rely upon a certification of a prospective subcontractor/materials supplier that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A contractor may decide the method and frequency by which it determines the eligibility of its principals. Each contractor may, but is not required to, check the Disapproval List (telephone # 608/266/1631).

9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

10. Except for transactions authorized under paragraph 6 of these instructions, if a contractor in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

1. The prospective contractor certifies to the best of its knowledge and belief, that it and its principals:

   (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

   (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

   (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offense enumerated in paragraph (1)(b) of this certification; and

   (d) Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2. Where the prospective contractor is unable to certify to any of the statements in this certification, such prospective contractor shall attach an explanation to this proposal.

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SPECIAL PROVISIONS

1. Administrative.

1.1 General.

Perform the work under this construction contract for Project 1130-64-76, Northland/STH 15 Intchg, B440315/16 and Project 1130-64-81, Capitol Drive Overpass, B440317; Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2024 Edition, as published by the department, and these special provisions.

If all or a portion of the plans and special provisions are developed in the SI metric system and the schedule of prices is developed in the US standard measure system, the department will pay for the work as bid in the US standard system.

100-005 (20230629)

1.2 Scope of Work.

The work under this contract shall consist of common excavation, roadway embankment, base aggregate, concrete pavement, HMA pavement, storm sewer, bridges (B-44-0315/0316/0317), retaining walls (R-44-0030/0031/0032/0033/0056), sign structures (S-44-0324/0325/0326/0327/0328/0329), erosion control, signing, pavement marking, lighting, FTMS/ITS and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

1.3 Other Contracts.

Coordinate the work according to standard spec 105.5. Modifications to the traffic control plan may be required by the engineer to be safe and consistent with the adjacent work by others. Coordinate activities, detours, work zone traffic control, roadway and lane closures, and other work items as required with other contracts. It is expected that routine maintenance by the town and county personnel may be required at certain times concurrently with the work being done under this contract. The following contracts are anticipated to be under construction within the time period of this contract, unless otherwise indicated:

The following projects will be under construction concurrently with the work under this contract. Coordinate trucking activities, detours, work zone traffic control, roadway and lane closures, and other work items as required with other contracts.

IH 41, Project 1130-64-71/72/87; IH 41, Appleton – De Pere, STH 96 to Lynndale Drive in Outagamie County. Work under this contract is anticipated to begin in the Spring of 2025. Limits of construction for 1130-64-71/72/87 overlap the project limits in the area of the STH 15 interchange. Provide the engineer a schedule of operations for the work zone in the area of STH 15 interchange 2 weeks after contract award of 1130-64-71/72/87 to ensure proper coordination between the two projects.

IH 41, Project 1130-65-76; Appleton – De Pere Ballard Road (CTH E) Interchange in Outagamie County. Work under this contract is anticipated to begin in April 2025, with completion in November 2025. There is no anticipated impact to this contract.

IH 41, Project 1120-57-60; Neenah – Appleton, Breezewood to STH 96 in Outagamie and Winnebago counties. Work under this contract is anticipated to begin in April 2024, with completion anticipated in December 2024. There is no anticipated impact to this contract.

STH 15, Project 1146-75-73; STH 76 – New London, CTH T/Givens Road to USH 45 in Outagamie County. Work under this contract is anticipated to begin in April 2024, with completion anticipated by December 2024. It is anticipated that STH 15, west of Hortonville, will be closed from early April 2024 to mid-November 2024. There is no anticipated impact to this contract.

STH 76, Project 6430-20-71; STH 96 – STH 15, School Road Intersection in Outagamie County. Work under this contract is anticipated to begin in April 2024, with completion anticipated by September 2024. It is anticipated that the intersection of STH 76 and School Road will be closed from mid-April 2024 to August 2024.There is no anticipated impact to this contract.

STH 96, Project 4075-41-71; West County Line – Appleton, Cleary Court to Tower View Drive in Outagamie County. Work under this contract is anticipated to begin in June 2024, with completion anticipated in October 2024. It is anticipated that the intersection of STH 96 and STH 76 intersection will be closed for several weeks during the summer of 2024. There is no anticipated impact to this contract.

STH 96, Project 4075-40-71; West Wisconsin Avenue, Casaloma Drive to N. Badger Avenue in Outagamie County. Utility relocation work in advance of the project on STH 96 is anticipated to begin late winter/early spring 2024. Utility relocation west of Perkins Street are anticipated to completed by September 2024. Relocations east of Perkins Street are anticipated to completed by April 2025. Lane closures on STH 96 will be required to complete the utility relocations. There is no anticipated impact to this project.

1.4 Notice to Contractor, Project Storage and Staging Areas.

Supplement standard spec 106.4(2) and 107.9 with the following:

To accommodate staged construction of the department planned contracts for the IH 41 corridor expansion project, the department will implement a review and approval process for use of storage and staging areas within the right-of-way and adjacent to the project.

Equipment and materials can be stored within the slope intercepts shown on the plan and within the footprint of the roadway or structures within the project limits. Storage of equipment and materials will not be allowed in areas which are restricted by traffic and other requirements provided in the special provisions.

Make any requests for storage and staging areas located outside of the slope intercepts or outside of the proposed roadway and structure footprints to the engineer. The request should include the anticipated date for occupying the area, the anticipated date for vacating the area, and a proposed restoration plan for the area. The planned project storage and staging areas shall be submitted to the engineer for review and approval a minimum of 14 calendar days prior to the anticipated implementation. Review by the engineer does not constitute approval.

1.5 Notice to Contractor, Containment System.

The contractor shall provide a containment system throughout bridge construction over live traffic lanes capable of protecting underlying facilities and vehicles from falling construction debris, as approved by the engineer. The containment system shall be in place before beginning operations that may generate debris. Operations may include but not limited to; false decking installation, deck repair, parapet removal, and deck and parapet pours. The containment system is incidental to the bridge construction items.

ner41-108 (12052023)

1.6 Notice to Contractor, Right-of-Way Fencing.

Maintain existing right-of-way fencing, as shown in plans, until construction operations require removal, or as directed by the engineer. Notify the department 7 calendar days in advance of existing fence removal. Do not remove any existing fence without prior approval from the engineer.

Provide temporary connections between existing and proposed fencing as needed to maintain continuous right-of-way fencing at all times. A quantity of Fence Safety has been included in the contract for this purpose.

Submit a fence staging plan to the engineer detailing existing fence removal, proposed fence placement, and temporary fence use. Temporary fencing use to be kept to a minimum. Staging of installation shall provide adequate measures to protect the general public.

Maintain all existing freeway right-of-way fencing or temporary fencing disturbed by operations.

ner41-616 (12052023)

1.7 Work by Others.

At the intersection of IH 41 SB and STH 15, IH 41 NB and STH 15, the department's Northeast Region Electrical Unit, (920) 366-7521, will perform the following work:

- Provide and install the Microwave detectors and cables.
- Terminate all electrical wire in the signal control cabinet.
- Provide and install EVP heads.
- Remove existing signal cabinet.

Notify the department's Northeast Region Electrical Unit at (920) 366-7521 at least three weeks prior to final installation of the traffic signal equipment for S44-0664 and S44-0665.

The Town of Grand Chute will be contracting separately with We Energies (Electric) for the installation of a new continuous street lighting system. This work will be occurring concurrently with work on the Capitol Drive. We Energies will be installing the street lighting poles after the curb and gutter is installed. Underground electrical crossings and the side streets will be bored at the same time as the pole installation. Street lights will be located at the approximate locations:

- Station130CAP+64 Lt
- Station 133CAP+49 Lt
- Station 135CAP+93 Lt
- Station 137CAP+83 Lt
- Station 141CAP+14 Lt
- Station 143CAP+73 Lt
- Station 145CAP+96 Lt

Coordinate with the We Energies street light installation. Notify We Energies a minimum of 4 weeks prior to final installation of the curb and gutter to allow for mobilization. Allow 14 working days for We Energies to complete this work. Contact Zach Duga at (920) 450-9314, Zachary.duga@WE-ENERGIES.com to coordinate the work as well as to obtain a copy of the final street lighting plans.

The Outagamie County Highway Department will complete landscaping activities in the islands of the STH 15 diverging diamond interchange. The landscaping will occur after the substantial completion of construction activities for Project 1130-64-76.

The Appleton Area Metropolitan Fiber Optic Network (AAMFON**)** has existing underground communications lines on the right side of STH 15 from Stations 95NLEB+00 to 95NLEB+74 then turning left and crossing STH 15, then running along the left side of STH 15 from Stations 95NLEB+74 to 116NLEB+74. AAMFON will install underground fiber along the existing right-of-way in the Northwest quadrant of STH 15/IH 41 Interchange, crossing IH 41 at Station 604SB+50 prior to construction.

The existing underground AAMFON facilities running parallel to STH 15 will remain active until the ITS conduit associated with Project 1130-64-81 is installed. AAMFON will connect to the department's ITS communication vault at Station 604SB+58, 98' LT. AAMFON will place new conduit and fiber optic between the department's communication vault and the facilities installed at Station 604SB+50 LT. This work will occur during construction. Contact Joseph Sargent at (920) 832-6151, sargentjoseph@aasd.k12.wi.us, after the department's ITS conduit is installed. It is anticipated to take 1 working day to complete, and AAMFON will discontinue the existing fiber crossing IH 41 along STH 15 in place once completed.

Notice to Contractor – Safety and Personnel Identification Program.

All workers shall wear OSHA and ANSI compliant safety head protection, safety glasses, safety-toe protective footwear, and safety vest at all times while within the project footprint.

The contractor and respective subcontractors shall provide a copy of their current Company Safety Plans to the department at the preconstruction meeting. All workers shall comply with the Safety Plans of their employer.

All contractor personnel will be required to register in the program prior to performing work. Valid photo identification which includes unexpired driver's license, government issued identification cards, military identification, passport, or other identification approved by the department will be required to register. All personnel registered will be issued a hard hat sticker with an identification number by the department. Stickers shall be placed in a visible location on the hard hat. Register at the IH 41 corridor field office during normal business hours.

Noncompliance with this contract provision may result in removal of contractor personnel from the project or suspension of work according to standard spec 108.6 applicable under the contract.

ner41-108 (12052023)

1.8 Field Facilities.

The department will provide primary field facilities for this project located at 3600 Commerce Court, Appleton, WI 54911.

ner41-105 (12052023)

2. Prosecution and Progress.

2.1 Prosecution and Progress.

General

Begin work within 10 calendar days after the engineer issues a written notice to do so.

The notice to proceed will not be issued prior to April 1, 2024.

Provide the start date to the engineer in writing within a month after executing the contract but at least 14 calendar days before the preconstruction conference. Upon approval, the engineer will issue the notice to proceed within 10 calendar days before the approved start date.

To revise the start date, submit a written request to the engineer at least two weeks before the intended start date. The engineer will approve or deny that request based on the conditions cited in the request and its effect on the department's scheduled resources.

Winter weather work, excavation of frozen ground, high ground water, dewatering during winter months, and mitigation efforts for high water table elevations shall not be considered adverse weather delays to construction.

Indicate on the proposed schedule of operations that a large force and adequate equipment will be needed to assure that the work will be completed within the established contract time.

Excess fill material and cleared and grubbed material should be stockpiled on upland areas an adequate distance away from wetlands, storm sewer inlets, floodplains, and the waterways. Provide erosion control devices for stockpiled soil to avoid erosion and nuisance dust emissions.

After written notice to proceed, and prior to Final Acceptance of the work, assist with maintenance of existing roadways and bridges as specified in standard spec 104.6.1. This assistance may include performance of work covered under pay items or accommodating local repair forces within the work zones. Maintain all newly constructed work as specified in 104.6.1 of the standard spec. Various pay items may be required to maintain the freeway and local streets during construction.

The contractor is advised that there may be multiple mobilizations for such items as traffic control, detours, signing items, temporary pavement markings and other incidental items related to the construction staging. The department will make no additional payment for said mobilizations.

Construction Overview

This information is included to assist the contractor and its subcontractors; do not interpret this information as a demonstration of specified means and methods. Coordinate the schedule of operations for the construction staging as shown in the plans and as noted in these special provisions. Do not move operations ahead within the proposed construction staging unless modifications to the staging and schedule are approved in writing by the engineer. Staging modifications shall address traffic and construction.

Maintain the existing twin 36-inch culvert pipe beneath Northland Avenue (Station 118NLEB+25) until the pond along the NLB Ramp (NLPB) is complete.

<u>Stage 1</u>

- Remove existing Structure B-44-024
- Construct B-44-0317, R-44-0032 and R-44-0033.
- Construct Capitol Drive, Capitol Court and N Rifle Range Road.
- Stage 1 and Stage 2 work are anticipated to be constructed concurrently. Stage 1 work for B-44-31 median pier pile cap is anticipated to be completed prior to the IH 41 widening in that area. Adhere to all requirements defined in the traffic control plans and in the special provisions.

Stage 2

- Remove existing median subgrade as indicated in the plans.
- Construct widening along IH 41 northbound median shoulder.
- Construct early fill embankment for NLC Ramp to provide surcharge as indicated in the plans. Removing embankment surcharge for NLC Ramp shall not occur less than 6 months after final placement of early fill.
- Construct early fill embankment for NLD Ramp.

Winter Shutdown

- Winter shutdown will commence with the completion of Stage 2 in the Fall of 2024. Do not resume work until February 3, 2025, unless approved by the engineer. Provide a start date in writing at least 14 calendar days prior to the planned resumption of work in 2025. Upon approval, the engineer will issue the notice to proceed with 10 calendar days of the approved start date.

Stage 3A

- Remove existing Structures B-44-0177 and B-44-0178.
- Begin construction of B-44-0315 and B-44-0316.
- Begin construction of R-44-0030.
- Complete widening along the median shoulder of IH 41 northbound.
- Continue construction of NLC and NLD Ramps.

Stage 3B

- Begin construction of STH 15/Northland Avenue, NLA Ramp, NLB Ramp and Pond NLPD.
- Continue construction of NLC and NLD ramps.
- Begin Construction of R-44-0031 and R-44-0056.
- Continue construction of B-44-0315 and B-44-0316.
- Continue construction of R-44-0030.

Stage 3C

- Complete construction of STH 15/Northland Avenue, NLA Ramp, NLB Ramp, and NLC Ramp.
- Begin and complete construction of Pond NLPB.
- Continue construction on NLD Ramp.
- Complete construction of B-44-0315, B-44-0316, R-44-0030, R-44-0031, R-44-0056, S-44-0324, S44-0325, S-44-0326, S-44-0327, S-44-0328, and S-44-0329.
- Complete construction of Pond NLPD.

Stage 3D

- Complete construction of NLD Ramp and removal of existing NLD Ramp.

Northern Long-eared Bat *(Myotis septentrionalis)*

Northern long-eared bats (NLEB) have the potential to inhabit the project limits because they roost in trees, bridges and culverts. Roosts may not have been observed on this project, but conditions to support the species exist. The species and all active roosts are protected by the federal Endangered Species Act. If an individual bat or active roost is encountered during construction operations, stop work, and notify the engineer and the WisDOT Regional Environmental Coordinator (REC).

Ensure all operators, employees, and subcontractors working in areas of known or presumed bat habitat are aware of environmental commitments and avoidance and minimization measures (AMMs) to protect both bats and their habitat.

Direct temporary lighting, if used, away from wooded areas during the bat active season April 1 to October 31, both dates inclusive.

The department has contracted with others and will perform the following operations after October 31 and prior to April 1: Cutting down and removing trees.

Contractor means and methods to remove additional trees will not be allowed. If it is determined that additional trees with a 3-inch or greater diameter at breast height (dbh) need to be removed beyond contractor means and methods, notify the engineer to coordinate with the WisDOT REC to determine if consultation with United States Fish and Wildlife Service (USFWS) is required. The contractor must be aware that the WisDOT REC and/or USFWS may not permit modifications.

Northbound IH 41 Exit to Northland Avenue Long-term Ramp Closure

The long-term closure of NB IH 41 exit to Northland Avenue can occur after the Fox Valley Technical College (Appleton campus) spring 2025 commencement ceremony. The anticipated date of the commencement ceremony is May 18, 2025. The long-term closure of this ramp shall not occur prior to the commencement ceremony.

Interim Completion and Liquidated Damages – Capitol Drive, B-44-317 Reconstruction: August 30, 2024

Complete construction operations on Capitol Drive to the stage necessary to reopen it to through traffic by August 30, 2024. Do not reopen until completing the following work: bridge, retaining wall, pavement, lighting, pavement marking, signing and all other incidentals necessary for opening the overpass to vehicular traffic.

If the contractor fails to complete the work necessary to reopen Capitol Drive to traffic and complete mainline widening by August 30, 2024, the department will assess the contractor $2,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on August 31, 2024. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – IH 41 Temporary Widening: November 1, 2024

Complete all work required to complete the temporary widening along IH 41 by November 1, 2024. Work completed includes finished asphalt paving, pavement markings, temporary concrete barrier, traffic control devices and all other incidental items required to complete the widening.

If the contractor fails to complete the work necessary to complete the temporary widening by November 1, 2024, the department will assess the contractor $10,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on November 2, 2024. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – NB IH 41 Exit Ramp Partial Temporary Connection: June 13, 2025

Complete construction of the temporary connection from NB IH 41 to the finished NLB ramp to the stage necessary to allow Project 1130-64-71/72/87 to shift traffic to the temporary widening along the outside shoulder of NB IH 41. Complete this work prior to 12:01 AM, June 13, 2025. This includes grading, base aggregate and HMA pavement.

If the contractor fails to complete the work necessary to shift traffic to the temporary widening along NB IH 41 by June 13, 2025, the department will assess the contractor $2,500 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on June 14, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – NB IH 41 Entrance Ramp Partial Temporary Connection: June 13, 2025

Complete construction of the temporary connection from NB IH 41 to the finished NLA ramp to the stage necessary to allow Project 1130-64-71/72/87 to shift traffic to the temporary widening along the outside shoulder of NB IH 41. Complete this work prior to 12:01 AM, June 13, 2025. This includes grading, base aggregate and HMA pavement.

If the contractor fails to complete the work necessary to shift traffic to the temporary widening along NB IH 41 by June 13, 2025, the department will assess the contractor $2,500 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on June 14, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – R-44-0031 Substantial Completion: June 13, 2025

Complete construction of R-44-0031 to the stage necessary to allow Project 1130-64-71/72/87 to shift traffic to the temporary widening along the outside shoulder of NB IH 41. Complete this work prior to 12:01 AM, June 13, 2025.

If the contractor fails to complete the work necessary to shift traffic to the temporary widening along NB IH 41 by June 13, 2025, the department will assess the contractor $2,500 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on June 14, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – NB IH 41 Exit Ramp to STH 15: September 15, 2025

Complete the work necessary to reopen the northbound IH 41 exit ramp to STH 15 to traffic by September 15, 2025.

If the contractor fails to complete the work necessary to reopen the northbound IH 41 exit ramp to STH 15 to traffic by September 15, 2025, the department will assess the contractor $2,500 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on September 15, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – NB IH 41 Entrance Ramp from STH 15: September 15, 2025

Complete the work necessary to reopen the northbound IH 41 entrance ramp to STH 15 to traffic by September 15, 2025.

If the contractor fails to complete the work necessary to reopen the northbound IH 41 entrance ramp to STH 15 to traffic by September 15, 2025, the department will assess the contractor $3,750 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on September 16, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – SB IH 41 Exit Ramp to STH 15: September 15, 2025

Complete the work necessary to reopen the southbound IH 41 exit ramp to STH 15 to traffic by September 15, 2025.

If the contractor fails to complete the work necessary to reopen the southbound IH 41 exit ramp to STH 15 to traffic by September 15, 2025, the department will assess the contractor $3,500 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on September 16, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – STH 15 and CTH OO/Northland Ave: September 15, 2025

Complete the work necessary to reopen to STH 15/CTH OO/Northland Avenue to traffic by September 15, 2025.

If the contractor fails to complete the work necessary to reopen to STH 15/CTH OO/Northland Avenue to traffic by September 15, 2025, the department will assess the contractor $10,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on September 16, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – SB IH 41 Entrance Ramp to STH 15: October 1, 2025

Complete the work necessary to reopen the southbound IH 41 entrance ramp to STH 15 to traffic by October 1, 2025.

If the contractor fails to complete the work necessary to reopen the southbound IH 41 entrance ramp to STH 15 to traffic by October 1, 2025, the department will assess the contractor $4,500 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on October 2, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

If contract time expires prior to completing all work specified in the contract, additional liquidated damages will be affixed according to standard spec 108.11.

2.2 Notice to Contractor - New or Revised Temporary Construction Access to IH 41.

The use of any construction access point(s) to IH 41 other than existing which is/are not shown in the plans is prohibited without the prior written approval from FHWA and the department. To obtain written approval for temporary access to IH 41 during construction, an Interstate Access Justification Report (IAJR) shall be submitted to the engineer. Requirements of the IAJR for access during construction includes the following:

Plan Details:

- The location, dimensions, grades, and slopes for any new/revised temporary construction access point(s) to IH 41.
- Traffic control measures that are required to manage this access change.
- Traffic control measures that are required to secure/close any new construction access points when not in use.
- Erosion control measures required to manage this change, including the location(s) of any tracking pad(s).

Written summary of proposed temporary construction access change including:

- Timeframe to construct, duration in place, and time to remove.
- Cost of proposed temporary access including grading, traffic control, erosion control, and all other items and incidentals to implement and remove the access.
- Benefits in implementing the change (i.e., cost or time savings, ease of construction, increased safety to workers, and the traveling public).
- Signed Construction Permit, Right of Entry, or similar documentation if temporary access crosses private property.

The IAJR shall be provided to the engineer a minimum of 14 calendar days prior to the anticipated implementation of the new/revised temporary construction access to IH 41. The request will be reviewed, and if warranted, concurred with by the designated department staff. Following department concurrence, the IAJR will be forwarded to FHWA for review and processing.

2.3 Baseline CPM Progress Schedule, Item SPV.0060.0105; CPM Progress Schedule and Accepted Revisions, Item SPV.0060.0110.

Replace standard spec 108.4 with the following:

108.4 Critical Path Method Progress Schedule

108.4.1 Definitions

The department defines terms used in standard spec 108.4 as follows:

Activity	An administrative or construction task performed during the course of the project with a defined duration and scheduled (or actual) start and finish dates.
Critical Path	The longest continuous chain of activities through the CPM schedule that establishes the minimum overall project duration.
Construction Activity	Construction activities are discrete work activities performed by the contractor, subcontractors, utilities, or third parties within the project limits.
CPM Progress Schedule	A Critical Path Method (CPM) Progress Schedule is a network of logically related activities. The CPM schedule calculates when activities can be performed and establishes the critical or longest continuous path or paths of activities through the project.
Data date	The earliest work period after the date through which a schedule is current. Everything occurring earlier than the date date is “as-built” and everything on or after the data date is “as-planned”.
Preliminary Construction Schedule (PCS)	The department’s schedule for the contract work, developed during design, and provided to the contractor for informational purposes only.

Float	Float, as used herein, is the total float of an activity; i.e., it is the amount of time between the date when an activity can start (the early start), and the date when an activity must start (the late start). In cases where the total float of an activity has a different value when calculated based on the finish dates, the lower (more critical) value will govern.
Forecast Completion Date	The completion date predicted by the latest accepted CPM Update, which may be earlier or later than the contract completion date, depending on progress.
Fragnet	A group of logically-related activities, typically inserted into an existing CPM schedule to model a portion of the project, such as the work associated with a change order.
Initial Work Plan	The initial work plan is a time-scaled CPM schedule showing detailed activities for the first 90 calendar days of work and summary level activities for the remainder of the project.
Intermediate Milestone Date	A contractually required date for the completion of a portion of the work, so that a subsequent portion of the work or stage of traffic phasing may proceed.
Master Project Schedule	The department's schedule for the contract work, developed during design, and provided to the contractor for informational purposes only.
Work Breakdown Structure (WBS)	A framework for organizing the activities that make up a project by breaking the project into successively greater detail by level. A WBS organizes the project work. It does not address the sequencing and scheduling of project activities.

108.4.2 Department's Preliminary Construction Schedule

The department's Preliminary Construction Schedule was developed during the design phase of the contract. Its purpose was to illustrate work areas per Stage/Phase of construction. Durations and resource availability are department estimates only. Contractor is solely responsible for its use of means and methods and as such is fully responsible for determining durations based on own estimate of production and available resources. The suggested use of the department's Preliminary Construction Schedule is ease of identification of work availability during each Stage/Phase and the logical relationship between the Stages/Phases. The Preliminary Construction Schedule reflects one possible approach to completing the work, consistent with the traffic phasing requirements and the interim/final completion date(s) contained in the contract. The logic contained in the Preliminary Construction Schedule is not intended to alter or supplement contract requirements for the phasing of the work, but to reflect those requirements. Any reliance on the department's Preliminary Construction Schedule is at the sole risk of the contractor.

108.4.3 Contractor's Scheduling Responsibilities

Prepare and submit a CPM progress schedule that accurately reflects the plan for the performance of the work, based on the physical requirements of the Work, and Traffic Phasing requirements. The CPM schedule is the contractor's committed plan to complete all work within the completion deadlines. The contractor assumes full responsibility for the prosecution of the work as shown. Schedule the Work in the manner required to achieve the completion date and intermediate milestone dates specified in the Prosecution and Progress Special Provision.

Use the latest version of Primavera Project Planner (P6), by Primavera Systems, Inc., Bala Cynwyd, PA to prepare the Initial Work Plan, Baseline CPM Progress Schedule, and Monthly CPM Updates.

Designate a Project Scheduler who will be responsible for scheduling the Work and submit for approval a professional resume describing a minimum of three years of scheduling experience on urban, interstate-highway reconstruction work of similar size and complexity, including recent experience with P6.

108.4.4 Submittals

108.4.4.1 Initial Work Plan

At least 10 business days before the preconstruction meeting, submit an Initial Work Plan (IWP) schedule consisting of the following:

1. Provide a detailed plan of activities to be performed within the first 90 calendar days of the contract. Provide construction activities with durations not greater than 28 calendar days (20 business days), unless the engineer accepts requested exceptions.

2. Provide activities as necessary to depict administrative work, including submittals, reviews, and procurements that will occur within the first 90 calendar days of the contract. Activities other than construction activities may have durations greater than 28 calendar days (20 business days). Allow 21 calendar days (15 business days) for department review of submittals.
3. Provide summary activities for the balance of the project. Summary activities may have durations greater than 28 calendar days (20 business days).
4. Submit the IWP Schedule, including the P6 native data file (XER) and an electronic file (PDF). Submit the P6 native data file (XER) and an electronic file (PDF) to the engineer and the following DOT email boxes; DOTDTSDNERI41@dot.wi.gov
5. The engineer will accept the contractor's Initial Work Plan or provide comments within ten business days after receipt of the Initial Work Plan. Within five business days of receiving the IWP Schedule, the department will schedule a workshop for the contractor to present the IWP Schedule and to answer questions raised during the department's review. Address comments and resubmit the Initial Work Plan as necessary. Do not begin work until the engineer accepts the Initial Work Plan. The department will use the initial work plan to monitor the progress of the work until the Baseline CPM Progress Schedule is accepted.
6. Submit an updated version of the Initial Work Plan on a monthly basis until the engineer accepts the Baseline CPM Progress Schedule. With each update, include actual start dates, completion percentages, and remaining durations for activities started but not completed. Include actual finish dates for completed activities.

108.4.4.2 Baseline CPM Progress Schedule

Within ten business days of receiving an approved IWP, as required by the contract, submit a Baseline CPM Progress Schedule and written narrative consisting of the following:

1. Develop the Baseline CPM schedule. The Baseline CPM is the contractor's committed plan to complete the Work within the time frames required to achieve the contract completion date and Intermediate milestone dates. The department will use the schedule to monitor the progress of the work. Include the following:
    1.1 Provide a detailed plan of activities to be performed during the entire contract duration, including all administrative and construction activities required to complete the work as described in the contract documents. Provide construction activities with durations not greater than 28 calendar days (20 business days), unless the engineer accepts requested exceptions.
    1.2 Provide activities as necessary to depict administrative work, including submittals, reviews, procurements, inspections, and all else necessary to complete the work as described in the contract documents. Activities other than construction activities may have durations greater than 28 calendar days (20 business days). Allow 21 calendar days (15 business days) for department review of submittals.
    1.3 Provide activities as necessary to depict third party work related to the contract.
    1.4 Make allowance for specified work restrictions, non-working days, time constraints, calendars, and weather; and reflect involvement and reviews by the department, and coordination with adjacent contractors, utility owners, and other third parties.
    1.5 With the exception of the Project Start Milestone and Project Completion Milestone, all activities must have predecessors and successors. The start of an activity shall have a Start-to-Start or Finish-to-Start relationship with preceding activities. The completion of an activity shall have a Finish-to-Start or Finish-to-Finish relationship with succeeding activities. Do not use Start-to-Finish relationships. Do not use Finish-to-Start relationships with a lag unless the engineer accepts requested exceptions.
    1.6 Schedule activities shall include a clear and legible description. The use of abbreviations shall be limited. Descriptions shall include an action verb describing the work performed, a basic description of the materials used, and, where applicable, a general location of the work.
    1.7 Schedule all intermediate milestones in the proper sequence and input as either a "Start-no-Earlier-Than" or "Finish-no-Later-Than" date. Do not use other constraint types, within the software, without prior approval by the engineer. Do not apply date constraints on any work tasks without prior approval by the engineer. Provide predecessors and successors for each intermediate milestone as necessary to model each Stage of the Work. Unless the engineer accepts a requested exception, the schedule should encompass all the time in the contract period between the starting date and the specified completion date.
    1.8 Develop and submit an anticipated cash-flow curve for the project within the P6 application, based on the Baseline CPM schedule by assigning cost values to stage or substage summary tasks that total the value of the contract. An example will be provided by the department of a previously accepted cash-flow diagram (created in p6). The example will provide resource type and details required.
    1.9 Provide budgeted quantities consistent with the bid quantities on selective construction tasks within the CPM schedule. The engineer will provide a summarized list of generalized quantities required on construction activities. Quantities are to be added to the activity name description only.
2. Provide an electronic PDF of the CPM schedule depicting the CPM network. Organize the logic diagram by grouping related activities using the WBS that matches the work requirements as laid out in the prosecution and progress.

3. Provide a written narrative with the baseline CPM explaining the planned sequence of work, as-planned critical path, critical activities for achieving intermediate milestone dates, traffic phasing, and planned labor and equipment resources. Use the narrative to further explain:
    3.1 The basis for activity durations in terms of production rates for each major type of work (number of shifts per day and number of hours per shift), and equipment usage and limitations.
    3.2 Use of constraints.
    3.3 Use of calendars.
    3.4 Estimated number of adverse weather days on a monthly-basis.
    3.5 Scheduling of permit and environmental constraints, and coordination of the schedule with other contractors, utilities, and public entities.
4. Submit the Baseline CPM Narrative and schedule including the P6 native data file (XER) and an electronic file (PDF). Submit the P6 native data file (XER), an electronic file (PDF), and written narrative (PDF) to the engineer and the following DOT email boxes; DOTDTSDNERI41@dot.wi.gov.

Within 10 business days of receiving the Baseline CPM, the engineer will provide comments. And accept or reject the Baseline CPM based solely on whether the schedule is complete as specified in this section and meets the requirements of the contract. The engineer's acceptance of the schedule does not modify the contract and does not relieve the contractor from meeting the contract requirements. The Baseline CPM schedule may, but not limited to, be rejected for one of the following reasons

- Does not meet the requirements as laid out in these special provisions
- Out of sequence work
- Missing significant work
- Quantity differences significant enough impacting critical path or near critical path work

The department will not consider requests for contract time extensions as specified in 108.10 or additional compensation for delay specified in 109.4.7 until the department accepts the Baseline CPM schedule.

108.4.4.3 Monthly CPM Updates

Submit CPM Updates on a monthly basis after acceptance of the Baseline CPM. With each CPM Update, include the following:

1. Actual start dates, completion percentages, and remaining durations for activities started but not completed, and actual finish dates for completed activities.
2. Additional activities as necessary to depict additions to the contract by changes and logic revisions as necessary to reflect changes in the contractor's plan for prosecuting the work.
3. Include a narrative report that includes a brief description of monthly progress, changes to the critical path from the previous update, sources of delay, potential problems, work planned for the next 30 calendar days, and changes to the CPM schedule. Changes to the logic of the CPM schedule include the addition or deletion of activities and changes to activity descriptions, original durations, relationships, constraints, calendars, or previously recorded actual dates. Justify changes to the CPM schedule in the narrative by describing associated changes in the planned methods or manner of performing the work or changes in the work itself.
4. Submit each CPM Schedule update, including the P6 native data file (XER) and an electronic file (PDF). Submit the P6 native data file (XER), the electronic file (PDF), responses to the DOT review comments, and the progress schedule update narrative to the engineer and the following DOT email boxes; DOTDTSDNERI41@dot.wi.gov.
5. Within ten business days of receiving each CPM Update, the engineer will provide comments and schedule a meeting as necessary to address comments raised in the engineer's review. Address the engineer's comments as described in the comment review spreadsheet.

108.4.4.4 Three-Week Look-Ahead Schedules

Submit Three-Week Look-Ahead Schedules on a weekly basis after notice to proceed (NTP). The schedule can be hand drawn or generated by computer. With each Three-Week Look-Ahead include:

1. Activities underway and as-built dates for the past week.
2. Planned work for the upcoming two-week period.
3. The activities of the Three-Week Look-Ahead schedule shall include the activities underway and critical RFIs and submittals, based on the CPM schedule. The Three-Week Look-Ahead may also include details on other activities not individually represented in the CPM schedule.
4. On a weekly basis, the department and the contractor shall agree on the as-built dates depicted in the Three-Week Look-Ahead schedule or document any disagreements. Use the as-built dates from the Three-Week Look-Ahead schedules for the month when updating the CPM schedule.

108.4.4.5 Weekly Production Data

Provide estimated and actual weekly production rates for items of work on a weekly basis as follows:

1. Provide data on the following items by area or station:
    1.1 Retaining Walls—SF per week
        a. MSE Walls
    1.2 Bridge Construction
        a. Foundation Pile—Each per week
        b. Foundation/Substructure Concrete—CY per week
        c. Structural Steel Girders—Each per week
        d. Prestressed Concrete Girders—Each per week
        e. Deck Formwork—SF per week
    1.3 Roadway Excavation—CY per week
    1.4 Roadway Structural Section
        a. Grading/Subgrade Preparation—SY per week
        b. Base Material Placement—Ton per week
        c. Base Material Subgrade Preparation—SY per week
        d. Asphalt Pavement—Ton per week
        e. Concrete Pavement – SY per week
2. For each item, indicate the actual daily production for the past week and the anticipated weekly production for the next week.
3. Submit the data in an electronic spreadsheet format at the same time the Three-Week Look-Ahead is submitted. On a weekly basis, the department and the contractor shall agree on the production data or document any disagreements.

108.4.5 Progress Review Meetings

Weekly Progress Review Meetings—After completing the weekly submittal of the Three-Week Look-Ahead and production data, attend a weekly meeting to review the submittals with the department. At the meeting, address comments as necessary, and document agreement or disagreement with the department.

108.4.6 CPM Progress Schedule Revisions

Revision by the contractor—If necessary due to changes in the Work or project conditions and authorized by the engineer, the contractor may submit a CPM Progress Schedule Revision, although the next CPM Update is not yet due. Prepare the CPM Revision in the same format as required for CPM Updates, including justification for changes to the schedule. The process for comment and acceptance of a CPM Revision will be the same as for CPM Updates. If the CPM Revision is accepted, prepare the next monthly update based on the revised CPM. If the CPM Revision is rejected, prepare the next monthly update based on the previous month’s update.

Engineer’s Right to Request Revisions - The engineer will monitor the progress of the work and may request revisions to the CPM schedule. Revise the schedule as requested by the engineer, and submit a CPM Progress Schedule Revision within ten business days of the request. The process for comment and acceptance of a CPM Revision will be the same as for CPM Updates. The engineer may request that the contractor revise the CPM schedule for one or more of the following reasons:

1. The forecast completion date is scheduled to occur more than 14 calendar days after the contract completion date.
2. An intermediate milestone is scheduled to occur more than 14 calendar days after the date required by the contract.
3. The engineer determines that the progress of the work differs significantly from the current schedule.
4. A contract change order requires the addition, deletion, or revision of activities that causes a change in the contractor's work sequence or the method and manner of performing the work.

108.4.7 Documentation Required for Time Extension Requests

To request a time extension to an intermediate milestone date or the contract completion date associated with changes to the work, provide a narrative detailing the work added or deleted and the other activities affected, based on the latest accepted CPM Update. For added work, submit a proposed fragnet of activities to be added or revised in the CPM schedule, indicating how the fragnet is to be tied to the CPM schedule.

To request a time extension to an intermediate milestone date or the contract completion date associated with delays to the work, provide a narrative detailing the affected activities and the cause of the delay, based on the latest accepted CPM Update. Requests for time extensions due to delays should meet the following criteria:

1. For requests to extend the contract completion date, include a description of how the delay affected the project's critical path, based on the latest accepted CPM Update.
2. For requests to extend an intermediate milestone date, include a description of how the delay affected the controlling (longest) path to the milestone, based on the latest accepted CPM Update.
3. The department and the contractor agree that float is not for the exclusive use or financial benefit of either party. Either party has the full use of the float on a first come basis until it is depleted.

108.4.8 Payment for CPM Progress Schedule

The department will pay for measured quantities at the contract unit price for work, acceptably completed under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0105	Baseline CPM Progress Schedule	EACH
SPV.0060.0110	CPM Progress Schedule and Accepted Revisions	EACH

The department will only make progress payments for the value of materials, as specified in standard spec 109.6.3.2.1, until the contractor has submitted the Baseline CPM schedule. The department will retain ten percent of each estimate until the department accepts the Baseline CPM schedule.

Payment is full compensation for all work required under these bid items including the three week look ahead. The department will pay the contract unit price for the Baseline CPM schedule after the department accepts the schedule. Thereafter, the department will pay the contract unit price for each monthly CPM Update, acceptably completed. The department will pay the contract unit price for CPM Revisions, if the department accepts the revision. The department will not pay for proposed revisions that are not accepted.

2.4 Lane Rental Fee Assessment.

A General

The contract designates some lane closures to perform the work. The contractor will not incur a Lane Rental Fee Assessment for closing lanes during the allowable lane closure times. The contractor will incur a Lane Rental Fee Assessment for each lane closure outside of the allowable lane closure times. If a lane is obstructed at any time due to contractor operations, it is considered a closure. The purpose of lane rental is to enforce compliance of lane restrictions and discourage unnecessary closures.

The allowable lane closure times are shown in Traffic and Restrictions to Work.

Submit the dates of the proposed lane, ramp, and roadway restrictions to the engineer as part of the progress schedule.

Coordinate lane, ramp, and roadway closures with any concurrent operations on adjacent roadways within 3 miles of the project. If other projects are in the vicinity of this project, coordinate lane closures to run concurrent with lane closures on adjacent projects when possible. When lane closures on adjacent projects extend into the limits of this project, Lane Rental Fee Assessments will only occur if the closure facilitates work under this contract.

B Lane Rental Fee Assessment

The Lane Rental Fee Assessment incurred for each lane closure, each ramp closure, and each full closure of a roadway, per direction of travel, is as follows:

IH 41 (NB and SB)

- $3,750 per lane, per direction of travel, for the first 15-minute increment.
- $750 per lane, per direction of travel for all subsequent 15-minute increments.

Ramps

- $750 per lane, per direction of travel for each 15-minute increment.

The Lane Rental Fee Assessment represents a portion of the cost of the interference and inconvenience to the road users for each closure. All lane, roadway, or ramp closure event increments 15 minutes and less will be assessed as a 15-minute increment.

The engineer, or designated representative, will be the sole authority in determining time period length for the Lane Rental Fee Assessment.

Lane Rental Fee Assessments will not be assessed for closures due to crashes, accidents, or emergencies not initiated by the contractor.

The department will assess Lane Rental Fee Assessment by the dollar under the administrative item Failing to Open Road to Traffic. The total dollar amount of Lane Rental Fee Assessment will be computed by multiplying the Lane Rental Assessment Rate by the number of 15-minute increments of each lane closure event as described above.

Lane Rental Fee Assessment will be in effect from the time of the Notice to Proceed until the department issues final acceptance. If interim completion time or contract time expires before the completion of specified work in the contract, additional liquidated damages will be assessed as specified in standard spec 108.11 or as specified within this contract.

2.5 Nighttime Work Lighting-Stationary.

A Description

This special provision describes furnishing portable lighting as necessary to complete nighttime work. Nighttime operations consist of work specifically scheduled to occur after sunset and before sunrise.

B (Vacant)

C Construction

C.1 General

This provision shall apply when providing, maintaining, moving, and removing portable light towers and equipment-mounted lighting fixtures for nighttime stationary work operations, for the duration of nighttime work on the contract.

At least 14 days before the nighttime work, furnish a lighting plan to the engineer for review and acceptance. Address the following in the plan:

1. Layout, including location of portable lighting – lateral placement, height, and spacing. Clearly show on the layout the location of all lights necessary for every aspect of work to be done at night.
2. Specifications, brochures, and technical data of all lighting equipment to be used.
3. The details on how the luminaires will be attached.
4. Electrical power source information.
5. Details on the louvers, shields, or methods to be employed to reduce glare.
6. Lighting calculations. Provide illumination with average to minimum uniformity ratio of 5:1 or less throughout the work area.
7. Detail information on any other auxiliary equipment.

C.2 Portable Lighting

Provide portable lighting that is sturdy and free standing and does not require any guy wires, braces, or any other attachments. Furnish portable lighting capable of being moved as necessary to keep up with the construction project. Position the portable lighting and trailers to minimize the risk of being impacted by traffic on the roadway or by construction traffic or equipment. Provide lightning protection for the portable lighting. Portable lighting shall withstand up to 60 mph wind velocity.

If portable generators are used as a power source, furnish adequate power to operate all required lighting equipment without any interruption during the nighttime work. Provide wiring that is weatherproof and installed according to local, state, federal (NECA and OSHA) requirements. Equip all power sources with a ground-fault circuit interrupter to prevent electrical shock.

C.3 Light Level and Uniformity

Position (spacing and mounting height) the luminaires to provide illumination with an average to minimum uniformity ratio of 5:1 or less throughout the work area.

Illuminate the area as necessary to incorporate construction vehicles, equipment, and personnel activities.

C.4 Glare Control

Design, install, and operate all lighting supplied under these specifications to minimize or avoid glare that interferes with all traffic on the roadway or that causes annoyance or discomfort for properties adjoining the roadway. Locate, aim, and adjust the luminaires to provide the adequate level of illumination and the specified uniformity in the work area without the creation of objectionable glare.

Provide louvers, shields, or visors, as needed, to reduce any objectionable levels of glare. As a minimum, ensure the following requirements are met to avoid objectionable glare on the roadways open to traffic in either direction or for adjoining properties:

1. Aim tower-mounted luminaires, either parallel or perpendicular to the roadway, so as to minimize light aimed toward approaching traffic.
2. Aim all luminaires such that the center of beam axis is no greater than 60 degrees above vertical (straight down).

If lighting does not meet above-mentioned criteria, adjust the lighting within 24 hours.

C.5 Continuous Operation

Provide and have available sufficient fuel, spare lamps, generators, and qualified personnel to ensure that the lights will operate continuously during nighttime operation. In the event of any failure of the lighting system, discontinue the operation until the adequate level of illumination is restored. Move and remove lighting as necessary.

D (Vacant)

E Payment

Costs for furnishing a lighting plan, and for providing, maintaining, moving, and removing portable lighting, tower mounted lighting, and equipment-mounted lighting required under this special provision are incidental to the contract.

stp-643-010 (20100709)

3. Meetings.

3.1 Coordination with Businesses and Residents.

Participate in department-sponsored public involvement meetings as directed by the engineer. Ensure that representatives of subcontractors responsible for activities to be discussed at the public involvement meeting are also available to participate in the meeting if directed by the engineer.

The department will schedule meetings as necessary and will notify the contractor seven days prior to the meeting date of the time and location of the meeting such that the contractor can make appropriate accommodations to attend the meeting.

Anticipated meetings include, but are not limited to:

- Quarterly basis
- Before each traffic shift
- Access changes
- Long term closures
- As directed by the engineer

ner41-105 (12052023)

3.2 Traffic Meetings and Traffic Control Scheduling.

Every Wednesday by 10:00 AM, submit a detailed proposed 2-week look-ahead traffic closure schedule to the engineer. Type the detailed proposed 2-week look-ahead closure schedule into an excel spreadsheet provided by the engineer. Enter information such as closure dates, duration, work causing the closure and detours to be used. Also enter information such as ongoing long-term closures, emergency contacts and general 2-month look-ahead closure information into the excel spreadsheet.

The Prime contractor and traffic control contractor are required to attend traffic control meetings as scheduled by the engineer. The meeting will bring local agencies, project stakeholders, owner managers, owner engineers, contractors, document control and construction engineering personnel together to discuss traffic staging, closures and general impacts. Upon obtaining feedback from the meeting attendees, edit, delete and add information to the detailed 2-week look-ahead closure schedule, as needed. Submit the revised 2-week look-ahead to the engineer.

Obtain approval from the engineer for any mid-week changes to the closure schedule. Revise the 2-week look-ahead as required and obtain engineer approval.

ner41-105 (12052023)

3.3 Partnering Meetings Monthly.

The department will implement mandatory monthly leadership partnering meetings. Unless the department and contractor agree otherwise, the contractor, project design engineers, and department field personnel shall meet monthly from project start until the contractor accepts the tentative final estimate. The contractor and department field personnel may mutually agree to invite other attendees.

The department will develop all meeting agendas and compile all meeting notes to be shared with the meeting attendees.

This meeting is intended to facilitate a cooperative team environment that defines roles and responsibilities, determines common goals and objectives, and provides a platform to build trust and accountability. Meeting topics may include:

- Issue and risk management
- Dispute resolution procedures
- Safety
- Public outreach
- Traffic management
- Cost reducing incentives
- Claim resolution
- Scheduling issues
- Quality control

All cost associated with these meetings are incidental to the contract work.

ner41-103 (12052023)

4. Traffic and Restrictions to Work.

4.1 Notice to Contractor – Coordination of Traffic Control with Project 1130-64-71/72/87 (IH 41 Mainline project).

It is anticipated the contractor for the IH 41 Mainline project (reconstruction of mainline IH 41 between STH 96 and Lynndale Drive) will begin work in April 2025. Participate in the Freeway Traffic Control Meeting for the initial traffic control setup of the IH 41 Mainline project as traffic control on IH 41 placed by this contract will conflict with traffic control required to reconstruct the IH 41 Mainline project. Coordinate the removal of traffic control devices on IH 41 required for this project with the installation of traffic control devices for the IH 41 Mainline project. Provide and maintain traffic control devices on IH 41 according to standard specs 104.6.1.2 and 643 during the placement of the IH 41 Mainline project traffic control devices. Remove all traffic control devices placed by this contract that conflict with traffic control devices installed for the IH 41 Mainline project, or as directed as the engineer.

Concrete barrier temporary precast and temporary crash cushions identified as left in place shall become property of the department during this coordination per the requirements identified in special provision Article 19.5, Crash Cushions Temporary Left in Place, and Article 19.7, Concrete Barrier Temporary Precast Left in Place.

4.2 Traffic.

General

Keep IH 41, STH 15, Capitol Drive and all service ramps open to through traffic at all times for the duration of this project except as noted below and in the Prosecution and Progress article in these special provisions.

Capitol Drive and STH 15 shall not be closed at the same time without written approval from the engineer.

Stage 1 and Stage 2 work are anticipated to be constructed concurrently. Contractor shall adhere to all traffic control signage for the respective work zones shown during the concurrent work period. If there is conflicting signage during this overlap, contractor shall be responsible for covering or removing signage as directed by the engineer.

Unless detailed in the plans, do not begin or continue any work that closes traffic lanes outside the allowed time periods specified in this article.

Maintain vehicle and pedestrian access to all driveways within the work zone at all times.

Do not store equipment, vehicles, or materials on adjacent streets beyond the project limits without specific approval of the engineer.

Maintain emergency vehicle access at all times.

Prior to any traffic control being placed, provide the engineer, Wisconsin State Patrol and Outagamie County Highway Maintenance with the name and telephone number of a local person responsible for the emergency maintenance of traffic control. Contact the IH 41 Traffic Management Engineer, Susan Paulus, at (414) 460-3409 for the individuals at the Wisconsin State Patrol and Outagamie County Highway Maintenance.

Coordinate all traffic handling with the engineer. Place roadway signing as detailed on the plans and in conformance with the Manual on Uniform Traffic Control Devices (MUTCD), latest edition. Employ such flag persons, signs, barricades, and drums as may be necessary to safeguard or protect hazards in the work zone, such as exposed manholes or drop-offs for vehicles and direct traffic at locations where construction operations may interfere or restrict the smooth flow of traffic. Make arrangements and be responsible for the prompt replacement of damaged or dislocated traffic control or guidance signs, day or night.

Traffic requirements under this contract shall be coordinated with other adjacent and concurrent department or local municipality projects. The contractor shall be responsible for implementing and coordinating with other contractors all traffic control as shown on the plans. Modifications to the traffic control plan may be required by the engineer to be safe and consistent with adjacent others. See Article 1.3, Other Contracts for adjacent projects.

Residential and Business Property Access

Maintain access to properties along Capitol Drive, Rifle Range Road, and Capitol Court for local residents, businesses, and emergency vehicles. Maintain and keep open the access to all driveways and parking lots where alternative access is not available at all times by building half the driveway at a time and/or plating concrete work. Plating of concrete work, as directed by the engineer, is incidental in the item that is being plated.

Freeway Service Team (FST)

The department has contracted with a private towing vendor to patrol parts of IH 41 during peak hours, holidays and special events. To improve safety and minimize delay, contact 911 immediately for breakdowns or incidents in or near the construction work zone. The FST will be dispatched directly to the scene to aid the vehicles that need to be removed.

Freeway Traffic Control Meeting

The contractor shall conduct a traffic control meeting before:

1. Initial traffic control set up.
2. Intermediate traffic switches.
3. Full freeway closures.
4. Reopening of the highway to traffic.
5. Closures involving multiple projects or over-lapping project limits.

Notify the IH 41 Traffic Management Engineer, Susan Paulus, at (414) 460-3409 seven business days before setting up the meeting.

Traffic Operations During Construction

Traffic shifts shown in a given stage may occur at different times during that stage depending on the controlling elements for a given traffic movement as approved by the engineer. The department anticipates that the schedule of major freeway traffic shifts and roadway openings and closings for each stage shall be as follows, unless approved by the engineer:

Stage 1

- Close Capitol Drive to through traffic between Casaloma Drive and Bluemound Drive. Traffic on Capitol Drive will be detoured during the closure using detour plan provided in the plans.
- Close Rifle Range Road and Capitol Court to through traffic. Maintain access to driveways on Capitol Drive, Capitol Court, and Rifle Range Road at all times.
- Close northbound and southbound IH 41 during demolition of B-44-0024 and close northbound and southbound IH 41 or utilize rolling closures during placement of girders for B-44-0317. Maintain 2 lanes of traffic in each direction of IH 41 at all other times.
- STH 15/Northland Avenue traffic will be maintained on all existing lanes at all times.
- STH 15/Northland Avenue interchange ramp traffic will be maintained on all existing lanes at all times except as specified in Freeway and Service Ramp Work Restrictions.

Stage 2

- Maintain 2 lanes of traffic on IH 41 except as specified in the Freeway and Service Ramp Work Restrictions section of this article.
- Work on IH 41 is anticipated to occur during off peak closures and full freeway closures as specified in the Freeway and Service Ramp Work Restrictions section of this article.
- STH 15/Northland Avenue traffic will be maintained on all existing lanes at all times.
- STH 15/Northland Avenue interchange ramp traffic will be maintained on all existing lanes at all times except as specified in Freeway and Service Ramp Work Restrictions.

Winter Shutdown Configuration

- Capitol Drive, Capitol Court and Rifle Range Road traffic will be maintained on new pavement constructed during Stage 1.
- IH 41 northbound and southbound traffic will remain on the existing travel lanes.
- STH 15/Northland Avenue traffic will be maintained on all existing lanes at all times.
- STH 15/Northland Avenue interchange ramp traffic will be maintained on all existing lanes at all times.

Stage 3A

- Provide full freeway closure for northbound and southbound IH 41 during demolition of B-44-0177 and B-44-0178. Maintain 2 lanes of traffic for IH 41 northbound and southbound on the existing lanes except as specified in the Freeway and Service Ramp Work Restrictions section of this article.
- Close STH 15 and Northland Avenue to through traffic between Casaloma Drive and Bluemound Drive. Traffic on STH 15 and Northland Avenue will be detoured during the closure as shown in the Detour Plans.
- Close the IH 41 southbound entrance ramp to STH 15. Signage for relocated interchange ramp access shall be provided as indicated in the Traffic Control Plans.
- Existing lanes on the IH 41 northbound entrance and exit ramps and the IH 41 southbound exit ramp to STH 15 shall remain open to traffic at all times except as specified in Freeway and Service Ramp Work Restrictions.

Stage 3B

- Maintain 2 lanes of traffic on IH 41 except as specified in the Freeway and Service Ramp Work Restrictions section of this article. Shift IH 41 northbound traffic to the widening along the median shoulder. IH 41 southbound will remain on existing pavement. Coordinate location of IH 41 traffic control signage and devices with contractor for Construction Project 1130-64-71/72/81
- STH 15 and Northland Avenue remains closed to through traffic between Casaloma Drive and Bluemound Drive. Traffic on STH 15 and Northland Avenue will be detoured during the closure as shown in the Detour Plans.
- IH 41 southbound entrance ramp remains closed.
- Close the IH 41 northbound entrance ramp. Signage for relocated interchange ramp access shall be provided as indicated in the Traffic Control Plans.

Stage 3C

- Close northbound and southbound IH 41 or utilize rolling closures during placement of girders for B-44-0315 and B-44-0316. Maintain 2 lanes of traffic in each direction of IH 41 at all other times except as specified in the Freeway and Service Ramp Work Restrictions section of this article. Coordinate location of IH 41 traffic control signage and devices with contractor for Construction Project 1130-64-71/72/81
- STH 15 and Northland Avenue remains closed to through traffic between Casaloma Drive and Bluemound Drive. Traffic on STH 15 and Northland Avenue will be detoured during the closure as shown in the Detour Plans.
- IH 41 southbound and northbound entrance ramps remains closed.
- Close the IH 41 northbound exit ramp. Closure of IH 41 northbound exit ramp and associated traffic control shall be coordinated with contractor for Construction ID 1130-64-71/72/81.
- Signage for relocated interchange ramp access shall be provided as indicated in the Traffic Control Plans.
- Utilize temporary pavement as shown in Traffic Control Plans to maintain access for IH 41 southbound exit ramp to STH 15.

Stage 3D

- Maintain 2 lanes of traffic in each direction of IH 41 at all times except as specified in the Freeway and Service Ramp Work Restrictions section of this article. Coordinate location of IH 41 traffic control signage and devices with contractor for Construction Project 1130-64-71/72/81.
- Open STH 15 and Northland Avenue to through traffic.
- Open IH 41 northbound entrance and exit ramps.
- IH 41 southbound entrance and exit ramps will remain closed to traffic at the completion of this contract.

Freeway and Service Ramp Work Restrictions

Maintain the following lanes during work on each roadway unless otherwise allowed. Each hour shown in the lane requirement tables is defined as a sixty-minute period (example: Hour 7 is the period from 7:00 to 7:59).

Freeway/Expressway Lane Requirements																								
Limits:	Northbound IH 41: STH 96 to STH 47																							
	AM												**PM**											
Hour	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Monday through Thursday	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
Fridays	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1
Saturdays	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1
Sundays	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
Legend																									
1	Off-Peak hours: Provide at least one through freeway lane open in each direction of travel																								
2	Peak hours: Open all IH 41 lanes to travel																								

Freeway/Expressway Lane Requirements																								
Limits:	Southbound IH 41: STH 96 to STH 47																							
	AM												**PM**											
Hour	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Monday through Thursday	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
Fridays	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
Saturdays	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
Sundays	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
Legend																									
1	Off-peak hours: Provide at least one through freeway lane open in each direction of travel																								
2	Peak hours: Open all IH 41 lanes to travel																								

Ramp Closure Hours

Ramp closures at STH 15, STH 47 and STH 96 are allowed Sunday through Saturday during the time periods identified below:

IH 41 NB exit ramp	8:00 PM – 6:00 AM
IH 41 NB entrance ramp	7:00 PM – 5:00 AM
IH 41 SB exit ramp	8:00 PM – 6:00 AM
IH 41 SB entrance ramp	7:00 PM – 5:00 AM

Full Freeway Closure Hours

IH 41 (NB and SB)

11:00 PM – 4:30 AM	Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM and Thursday PM to Friday AM
11:00 PM – 6:00 AM	Friday PM to Saturday AM and Saturday PM to Sunday AM

No lane or shoulder closures will be permitted during special events or over holiday weekends listed under the Article 7.5, Holiday and Special Event Work Restrictions article.

Shoulders may be closed if required by the work operation, but the right and left shoulder may not be closed in the same area at the same time without the approval of the engineer.

Full Freeway Closure

Full closure and detouring of freeway roads will be restricted to Full Freeway Closure Hours unless otherwise specified. The freeway may be closed to facilitate the removal/demolition of structures, erection of girders, deck pours or other work approved by the engineer. Provide signed detour routes, as shown in the plans, fully open and free of construction during all full roadway and service ramp closures.

Bridge superstructure demolition activities will require a full freeway closure in both directions. These closures are to be utilized only for bridge demolition, girder erection, drainage and stage construction changes for the following locations:

- Closure 1: B-44-0024 Demolition
- Closure 2: B-44-0317 Girder Erection
- Closure 3: NB IH 41 Mainline Traffic Shift
- Closure 4: B-44-0177/0178 Demolition
- Closure 5: B-44-0315/0316 Girder Erection
- Closure 6: Construction of pipe crossings at Stations 586SB+98, 588SB+94 and 588SB+99.

Rolling Closures

For setting of the girders for Structure B-44-0315, B-44-0316, B-44-0317, IH 41 and service ramps may be closed for periods not to exceed 20 minutes between the hours of 10:00 PM to the following morning at 4:00 AM, Sunday, Monday, Tuesday, Wednesday, and Thursday nights. Allow all vehicle backups to clear the project area prior to setting up the next road closure during the above timeframe.

Short-term freeway mainline and service ramp rolling closures may be allowed for a maximum of 15 minutes for the removal and erection of sign structures, equipment moves across the road, or other required work as determined by the engineer.

The department has contracted with the Wisconsin State Patrol to assist with traffic control operations by setting up rolling roadblocks for these closures.

Coordinate with the IH 41 Traffic Management Engineer, Susan Paulus, at (414) 460-3409, on these road closures and provide 72 hours prior notice to the engineer.

Submit requests for closures 14 calendar days prior to the planned closure events. Notify local emergency and police agencies 7 calendar days prior to closures.

Ramp Closures

Freeway entrance and exit ramps may be closed for construction operations during time periods identified in the Ramp Closure Hours section of this article or engineer approved timeframes. Coordinate ramp closures with work being performed under separate contracts. Access to and from IH 41 shall be provided at all times, either at the STH 96 interchange or the STH 15 interchange. During closure of a particular ramp movement at one interchange, the corresponding ramp movement at the other interchange shall remain open to traffic.

Road Closures

Notify the engineer, businesses and residents that live along North Capitol Court, North Rifle Range Road, W Capitol Drive and STH 15 seven calendar days in advance of restricting access to their houses or business.

Wisconsin Lane Closure System Advanced Notification

Provide the following advance notification to the engineer for incorporation into the Wisconsin Lane Closure System (LCS).

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

Closure type with height, weight, or width restrictions (available width, all lanes in one direction < 16 feet)	**MINIMUM NOTIFICATION**
Lane and shoulder closures	7 calendar days
Full roadway closures	7 calendar days
Ramp closures	7 calendar days
Detours	7 calendar days
Closure type without height, weight, or width restrictions (available width, all lanes in one direction ≥ 16 feet)	**MINIMUM NOTIFICATION**
Lane and shoulder closures	3 business days
Ramp closures	3 business days
Modifying all closure types	3 business days

Discuss LCS completion dates and provide changes in the schedule to the engineer at weekly project meetings in order to manage closures nearing their completion date.

Portable Changeable Message Signs (PCMS)

After coordinating with department construction field staff, obtain approval of the proposed message from the IH 41 Traffic Management Engineer, Susan Paulus, at (414) 460-3409 at least 3 business days before deploying or changing a message on a PCMS board.

The following are requirements for deploying PCMS boards:

- 7 days in advance of a full freeway closure.
- 7 days advance of a system ramp closure.
- 3 days advance of a service ramp closure.
- 7 days following a major traffic switch in the direction affected.
- Long-term daytime contractor access points on IH 41.
  - Use PCMS board for first 7 days for each acceleration/deceleration lane is used.
  - Fixed signage used after first 7 days has expired.
- 7 days in advance of a local road closure

Temporary Regulatory Speed Limit Reduction

A reduction of the posted regulatory speed limit from 70 mph to 55 mph is required when any of the following conditions are created within the project limits:

1. Bi-directional traffic separated by tubular markers.
2. Lane(s) closed and workers are present within 12 feet of live traffic without positive protection.

No portion of sign text shall be visible when not in use, regardless if it is temporary or permanent regulatory speed limit sign.

During approved temporary regulatory speed limit reductions, install regulatory speed limit signs on the inside and outside shoulders of the roadway at the beginning of the reduced regulatory speed zone, after all locations where traffic may enter the highway segment or every 1/2 mile within the reduced regulatory speed zone. Signs shall be installed at the end of the temporary regulatory speed zone to designate the end of the temporary regulatory speed zone and inform drivers the posted regulatory speed limit reverts back to the original posted speed limit. To minimize possible confusion to the traveling public and to ensure appropriate speed enforcement, enhanced attention to placement and changing of speed limit signs is required.

During periods of no work activity when devices are pulled back and lanes re-opened, restore speed limit to normal posted speed.

A speed limit reduction from 70 mph to 60 mph was approved as part of the Transportation Management Plan. The approved temporary regulatory speed reduction is documented in a Temporary Speed Zone Declaration. Coordinate with the IH 41 Traffic Management Engineer, Susan Paulus, at (414) 460-3409 to identify the construction stages that have the approved temporary regulatory speed reduction.

When construction activities impede the location of a post mounted regulatory speed limit sign, mount the regulatory speed limit sign on portable supports that meet the "crashworthy" definition and height criteria in the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD).

Temporary Work Zone Clear Zone Working Restrictions

The temporary work zone clear zone for this project is 18-feet from the edge of traveled way. If auxiliary lanes are present, clear zone is from the outside edge of the auxiliary lane.

Do not perform work within the clear zone unless protected by concrete barrier temporary precast or a lane closure during the allowed closure periods.

Do not perform work in the median at any time unless protected by concrete barrier temporary precast in both directions except as allowed during lane closure periods.

Replace standard spec 104.6.1.2.3 with the following:

If the roadway remains open to through traffic during construction and a drop-off greater than 2-inches occurs within the 18’ clear zone, eliminate the drop-off prior to completing that day’s work. Unless the special provisions specify otherwise, provide aggregate shoulder material compacted to a temporary 3:1 or flatter cross slope from the surface of the pavement edge.

Replace standard spec 104.6.1.2.4 (1) with the following:

Park equipment a minimum of 30-feet from the edge of the traveled way. Equipment may be parked in the median if it meets the minimum distance requirement from both traveled ways or if it is protected by concrete barrier.

Replace standard spec 104.6.1.2.4 (2) with the following:

Bridge abutments, parapets, pier columns, concrete barrier blunt ends and sign bridge foundations are to remain protected at all times during construction. Removal of existing guardrail shall be done concurrently with, or after, the placement of the temporary concrete barrier. It may be necessary to remove existing guardrail in several phase to maintain protection. Coordinate the removal of existing guardrail with the installation of temporary concrete barrier.

Do not perform heavy equipment work in the median at any time unless protected by concrete barrier in both directions except as allowed during night work with lane closures.

Do not perform heavy equipment work within 18 feet of the edge of the traveled way unless protected by concrete barrier or a lane closure during the allowed closure periods.

If the contractor is unsure whether an individual work operation will meet the safety requirements for working within the clear zone, review the proposed work operation with the engineer before proceeding with the work.

Winter Maintenance

During winter months park equipment at a safe distance (a minimum of 30 feet from the edge of travel lane, equipment may be parked in the median if it meets the minimum 30 feet from both traveled ways or if it is protected by concrete barrier) from the active travel lanes to prevent damage to equipment from snow plowing operations. Do not store equipment or materials within the work zone which may interfere with horizontal sight distances along IH 41.

Outagamie County and the Town of Grand Chute will perform snow removal operations for freeway and local roads that are open to through traffic during construction. Snow may be plowed from the traveled roadway into the work site by the maintaining authority. Remove any snow from the work site that may be required to continue work operations.

Provide for snow removal in those areas closed to through traffic as required to facilitate safe construction activities, changes in traffic control and to provide access to properties within the work area. Outagamie County or the Town of Grand Chute will not provide snow plowing operations in areas outside of the active traveled lanes.

Re-install or adjust any traffic control devices that may be damaged, removed, or shifted as part of normal winter maintenance operations. Clean and maintain traffic control devices as necessary or directed as a result of winter maintenance operations.

Anticipated locations of traffic control devices are shown in the plans. Review the work site with the engineer for locations where additional area may be available to maximize lane and shoulder widths over winter months to aid in winter maintenance operations and to maximize snow storage area. Adjust traffic control devices in these areas.

Snow plowing, ice removal including any road salt which may be required, maintenance and cleaning of traffic control devices, and other winter maintenance activities are incidental other items of work under this contract.

Freight Width Restrictions

IH 41 is designated WisDOT Freight Network Route. During periods no lane closures are allowed, maintain a width restriction no less than 16 feet in each direction, except as indicated in the plans. Movement of OSOW freight is scheduled to occur during this construction project that will require a minimum of 16 feet of horizontal clearance, except as provided for in the plans.

Enter in the correct minimum width restriction in Wisconsin Lane Closure System.

Construction Access

Unless shown in the plans, contractors must propose all access points a minimum of 14 days in advance for approval by the engineer. See Article 2.2, Notice to Contractor – New or Revised Temporary Construction Access to IH 41, for requirements if proposing new or revised access points.

During the period when lane closures are allowed on IH 41, access into the work zones from IH 41 can be made from the closed lane, subject to the approval of the engineer. Construction traffic from the work zone entering IH 41 shall use an approved acceleration lane or run out of the closed lane. All construction traffic re-entering IH 41 must come to within 10 mph of posted speed before re-entering the live IH 41 lane.

During the period when lane closures are not allowed on IH 41, access into the work zones from IH 41 must be made with a deceleration lane. The length of the deceleration lane is subject to review and approval by the engineer to ensure work zone traffic is exiting safely from IH 41. Construction traffic from the work zone entering live traffic on IH 41 must enter within 10 mph of the posted speed limit and use an acceleration lane per plan details or as approved by engineer. The acceleration lane entrance to IH 41 cannot be placed within 1,500-feet of an interchange ramp.

Construction traffic cannot travel counter-directional adjacent to IH 41 traffic except behind temporary concrete barrier.

Contractor shall not be allowed to access the interchange ramp work zones shown in Stage 2 directly from IH 41. Contractor access shall be directly from STH 15 or from the interchange ramps as approved by the engineer.

General Access

U-Turns at existing maintenance crossovers or temporary crossovers between IH 41 northbound and southbound will be allowed when lane closures are in place for inside northbound and southbound passing lanes. Access to the crossover shall be from the closed lane. Do not turn directly into the crossover from the lane open to traffic. Refer to Construction Access section of this article for guidance on re-entering IH 41.

Construction operations affecting the traveling public’s safety on IH 41 will not be allowed during snow and ice conditions, or any other adverse weather conditions, unless approved by the engineer.

If a 2-mile spacing between lane closures is not attainable, the upstream lane closure project/contractor shall extend that closure into the downstream closure.

Delivery of materials and equipment on IH 41 shall only occur during those hours identified as non-peak work periods.

Ramp Access

Access on and off of ramps will only be allowed if approved by the engineer. Crossing ramps with construction equipment/vehicles, unless shown in the plans, needs to be approved by the engineer. For crossing of ramps with equipment that is not tire equipped, an engineer approved rolling roadblock will be required during non-peak hours associated with the ramp area on IH 41.

4.3 Traffic Control.

Perform this work according to the requirements of standard spec 643, and as shown on the plans or as approved by the engineer, except as hereinafter modified.

Submit to engineer for approval a detailed traffic control plan for any changes to the proposed traffic control detail as shown on the plans. Submit this plan 10 days prior to the preconstruction conference.

Submit any traffic control change request to the engineer at least 72 hours prior to an actual traffic control change. A request does not constitute approval.

Provide 24 hours-a-day availability of equipment and forces to expeditiously restore lights, signs, or other traffic control devices that are damaged or disturbed. The cost to maintain and restore the above items shall be considered incidental to the item as bid and no additional payment will be made.

Supply the name and telephone number of a local contact person for traffic control repair before starting work.

Have available at all times sufficient experienced personnel to promptly install, remove and reinstall the required traffic control devices to route traffic during the construction operations.

The turning of traffic control devices when not in use to obscure the message will not be allowed under this contract.

Cover or remove and reinstall existing signs which conflict with traffic control as directed by the engineer.

Conduct operations in such a manner that causes the least interference and inconvenience to the free flow of vehicles on the roadways. This includes the following:

1. Do not park or store any vehicle, piece of equipment, or construction materials on the right-of-way without approval of the engineer or as allowed elsewhere in these special provisions.
2. All construction vehicles and equipment entering or leaving live traffic lanes shall yield to through traffic.
3. Equip all vehicles and equipment entering or leaving the live traffic lanes with a hazard identification beam (flashing yellow signal) capable of being visible on a sunny day when viewed without the sun directly on or behind the device from a distance of 1000 feet. Activate the beam when merging into or exiting a live traffic lane.

Do not disturb, remove or obliterate any traffic control signs, advisory signs, shoulder delineators or beam guard in place along the traveled roadways without the approval of the engineer. Immediately repair or replace any damage done to the above during the construction operations at contractor expense.

The traffic requirements are subject to change at the direction of the engineer in the event of an emergency.

4.4 Public Convenience and Safety.

Revise standard spec 107.8(6) as follows:

The Municipality agrees to waive any noise ordinances/restrictions pertaining to the construction of the IH 41 Project, for the duration of the IH 41 Project.

Delete standard spec 107.8 (4) and replace with the following:

Notify the following organizations and departments at least 72 hours before road closures or detours are put into effect:

State of Wisconsin:

- Wisconsin State Patrol: (920) 929-3700

Outagamie County:

Outagamie County

- Highway Department: (920) 832-5673
- Public Safety Communications: (920) 832-5000
- Sheriff's Department: (920) 832-5605

City of Appleton

- Department of Public Works: (920) 832-5580
- Police Department: (920) 832-5500
- Fire Department: (920) 832-5810
- Appleton Area School District: (920) 852-5300
- Valley Transit: (920) 832-5800

Town of Grand Chute

- Department of Public Works: (920) 832-1581
- Police Department: (920) 832-1575
- Fire Department: (920) 832-6050
- Served by Appleton Area School District: (920) 852-5300
- Served by Valley Transit: (920) 832-5800

The Outagamie County Public Safety Communications 911 dispatches all area police, fire and ambulance services, and will relay any notification given by the contractor in the event of an emergency.

ner41-107 (12052023)

4.5 Holiday and Special Event Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying IH 41 and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights and any other material that might impede the free flow of traffic.

These restrictions apply to the following holiday and special event periods:

- Lambeau Field events with anticipated attendance of 30,000 or more:
    - IH 41 Northbound
        - Begin – 5 hours prior to the posted start time of the event.
        - End – At the posted start time of the event.
    - IH 41 Southbound
        - Begin – At the posted start time of the event.
        - End – 8 hours after the posted start time of the even.

NFL Draft: From 6:00 AM Tuesday, April 22, 2025, to 6:00 PM Sunday, April 27, 2025.

Do not haul materials of any kind along or across any portion of a marked State Trunk Highway including:

- STH 441
- STH 96
- STH 47
- STH 15
- STH 55

These restrictions apply to the following holidays:

- From noon Friday, May 24, 2024, to 6:00 AM Tuesday, May 28, 2024 for
- From noon Wednesday, July 3, 2024, to 6:00 AM Monday, July 8, 2024 for
- From noon Friday, August 30, 2024, to 6:00 AM Tuesday, September 3, 2024 for
- From noon Friday, November 22, 2024, to 6:00 AM Monday, November 25, 2024 for
- From noon Wednesday, November 27, 2024, to 6:00 AM Monday, December 2, 2024 for
- From noon Tuesday, December 24, 2024, to 6:00 AM Thursday, December 26, 2024 for
- From noon Tuesday December 31, 2024, to 6:00 AM Thursday January 2, 2025 for

- From noon Friday, May 23, 2025, to 6:00 AM Tuesday, May 27, 2025 for
- From noon Thursday, July 3, 2025, to 6:00 AM Monday, July 7, 2025 for
- From noon Friday, August 29, 2025, to 6:00 AM Tuesday, September 2, 2025 for

During holidays, do not haul materials of any kind along or across any portion of the following marked State Trunk Highway including:

- STH 441

Prior to preparing bids, verify the dates of each event listed to obtain current dates for work restrictions.

ner41-107 (12052023)

4.6 Hauling Restrictions.

Do not haul materials of any kind on any local roads without approval of the local Maintaining Authority and the department. Provide any proposals to haul on local roads with a written agreement between the contractor and the respective Maintaining Authority. Submit a letter to the department from the Maintaining Authority in agreement to the hauling prior to hauling. Contact the respective Maintaining Authority prior to bidding for approval of haul routes.

At all times, conduct operations in a manner that will cause minimum disruption to traffic on existing roadways.

This provision does not reduce or eliminate the contractor responsibility from restoring local roads under the item maintenance and repair of haul roads.

4.7 Basic Traffic Queue Warning System, Item 643.1205.S.

A Description

This special provision describes providing, repositioning, operating, maintaining, monitoring, calibrating, testing and removing a basic traffic queue warning system (QWS) capable of measuring vehicular speeds at downstream sections of a roadway, and activating the system.

B Materials

Provide Basic Traffic QWS components and software that is National Transportation Communications for ITS Protocol (NCTIP) compliant.

B.1 Portable Traffic Sensors (PTS)

Provide PTS that are nonintrusive and capable of capturing vehicle speed in mph. Integrate each sensor with a modem to communicate with the automated system manager.

B.2 Static Traffic Control Signs with Temporary Flashing Beacon Signs (FBS)

Provide static traffic control signs with temporary flashing beacon signs conforming to standard spec 658.2(2) for Traffic Signal Faces. Ensure each FBS is integrated with a modem, and other equipment (e.g., automated system manager) mounted on it, and acts as a single device for communicating with similarly integrated devices and displaying real-time traffic conditions.

B.3 Automated System Manager (ASM)

Provide an ASM that assesses current traffic data captured by the PTS and activates/deactivates the FBS based on predetermined speed thresholds.

B.4 System Communications

Ensure Basic Traffic QWS communications meet the following requirements:

1. Perform required configuration of the Basic Traffic QWS's communication system automatically during system initialization.
2. Communication between the server and any individual FBS or PTS are independent through the full range of deployed locations, and do not rely upon communications with any other FBS or PTS.
3. Incorporate an error detection/correction mechanism into the Basic Traffic QWS communication system to ensure the integrity of all traffic condition data.

B.5 System Acceptance

Submit vendor verification to the engineer and Bureau of Traffic Operations (DOTBTOworkzone@dot.wi.gov) 14 calendar days before the pre-construction meeting that the system will adequately perform the functions specified in this special provision. Adequate verification includes past successful performance of the system, literature and references from successful use of the system by other agencies, and/or demonstration of the system.

Provide contact information for a designated representative responsible for monitoring the performance of the system and for making modifications to the operational settings as the engineer directs. Provide all testing and calibration equipment.

C Construction

C.1 General

Install and reposition Basic Traffic Queue Warning System per plan or as the engineer directs. Provide plan to the engineer and Bureau of Traffic Operations (DOTBTOworkzone@dot.wi.gov) 14 calendar days before the pre-construction meeting.

PTS may be mounted on FBS, arrow board or other trailer devices.

Install PTS at the following locations:

1. Place first PTS within the lane closure taper.
2. Place second PTS 5,700 feet upstream of the lane closure taper or on FBS #3.
3. Place third PTS 2 miles upstream of the lane closure taper or on FBS #2.

Install FBS at the following locations, delineated by 5 drums:

1. Place first FBS (FBS #3) 5,700 feet upstream of the lane closure taper.
2. Place second FBS (FBS #2) 2 miles upstream of the lane closure taper.
3. Place third FBS (FBS #1) 3 miles upstream of the lane closure taper.

If there are more than 2 lanes or specified in the plans, place FBS on both sides of the roadway.

Number the devices in chronological order so they are visible from the shoulder with 6-inch white high reflective sheeting.

Provide technical personnel for all system calibration, operation, maintenance, and timely on-call support services.

Promptly correct the system within 24 hours of becoming aware of a deficiency in the operation or individual part of the system. A minimum of three days before deployment, place the Basic Traffic QWS and demonstrate to the department that the Basic Traffic QWS is operational.

Maintain the Basic Traffic QWS for the duration of the project. Ensure the system operates continuously (24 hours, 7 days a week) in the automated mode throughout the duration of the project.

Remove the system upon completion.

C.2 Reports

Provide an electronic copy of a weekly summary report of all data via email to the engineer. Ensure the report includes, at a minimum, the average speed per sensor, time in congestive state per sensor and number of triggers per day.

C.3 Meetings

Attend mandatory in-person pre-construction meetings with the department. Attend additional meetings as deemed necessary by the department. These meetings may be held in person or via teleconference, as scheduled by the department.

C.4 Programming

C.4.1 General

Program the Basic Traffic QWS to ensure that the following general operations are performed:

1. Provide a password protected login to the ASM, website and all other databases.
2. Automatic setting of the FBS to reflect current traffic flow status updated every 60 seconds for congestion. Ensure to remove a congestion message when 180 seconds of average traffic speeds above the current level are observed, or utilize a customized frequency as determined by the engineer.
3. The FBS activate based on pre-determined speed thresholds from the next downstream sensor.
    - FBS #3 shall activate based on traffic speeds at the PTS located within the lane closure taper.
    - FBS #2 shall activate based on traffic speeds at the PTS located approximately 1 mile upstream of lane closure taper, or at FBS #3.
    - FBS #1 shall activate based on traffic speeds at the PTS located 2 miles upstream of lane closure taper, or at FBS #2.
4. Provide real-time data from the ASM to a website with a full color mapping feature and refresh every 60 seconds. Make data on website available to the department staff at all times for the duration of the work zone activity. Ensure website includes:
    - Vehicle speeds
    - FBS triggers
    - Device locations
5. Archive all traffic data in a Microsoft Excel format with date and time stamps.
6. Configure the website to quantify system failures which includes communication disruption between any devices in the system configuration, FBS malfunctioning, PTS malfunction, loss of power, low battery, etc.
7. Automatically generate and send an email alert any time a user specified queue is detected by the system.
8. Ensure the system autonomously restarts in case of any power failure.

C.4.2 System Operation Strategy

Arrange for the vendor/manufacturer to coordinate system operation, detection, and trends/thresholds with the engineer.

The sequences below are a minimum requirement, but can be adjusted at the discretion of the engineer, are as follows:

Free Flow:

If the current PTS speed on a downstream section is at or above 40 mph, the next upstream FBS will not flash.

Slow or Stopped Traffic:

If the current PTS speed on a downstream section of the roadway is between the 39 mph and 0 mph (for example, 35 mph), the next upstream FBS shall flash.

C.5 Calibration and Testing

At the beginning of the project perform a successful field test and calibration at the Basic Traffic QWS location to verify the system is detecting accurate vehicle speeds, and accurately relaying the information to the ASM and the FBS.

Send email of successful calibration and testing to the engineer.

D Measurement

The department will measure Basic Traffic Queue Warning System by the day, acceptably completed, measured as each complete system per roadway.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
643.1205.S	Basic Traffic Queue Warning System	DAY

Payment is full compensation for providing, repositioning, operating, maintaining, monitoring, calibrating, testing, and removing the complete system consisting of FBS, PTS, ASM, and system communications.

Failure to correct a deficiency to the FBS, PTS, or ASM within 24 hours after notification from the engineer or the department will result in a one-day deduction of the measured quantity for each day in which the deficiency is not corrected.

Failure to correct the website within 24 hours after notification from the engineer will result in a 10% reduction of the day quantity for each day the website is down.

The engineer will have sole discretion to assess the deductions for an improperly working Basic Traffic QWS.

stp-643-046 (20210113)

5. Utilities.

5.1 Utilities.

This contract comes under the provisions of Wisconsin Administrative Code Ch.Trans 220.

Some of the utility work described below is dependent on prior work being performed by the contractor at a specific site. In such situations, provide the engineer and the affected utility a good faith notice of when the utility is to start work at the site. Provide this notice 14 to 16 calendar days in advance of when the prior work will be completed, and the site will be available to the utility owner. Follow-up with a confirmation notice to the engineer and the utility owner not less than three working days before the site will be ready for the utility owner to begin its work.

Additional detailed information regarding the location of utility facilities is available at the region WisDOT office during normal working hours.

1130-64-76 (STH 15/Northland Avenue)

Grand Chute Sanitary District 1 (Water) has underground water line along the left side of STH 15 from Stations 120NLEB+48 through 121NLEB+93. No conflicts anticipated.

Grand Chute Sanitary District 2 (Sanitary Sewer) has underground sanitary sewer line crossing Ramp A at Station 1602NLA+08, IH 41, and Ramp D at Station 1602NLD+36. A sanitary sewer manhole and sewer line exists along the left side of STH 15 from Stations 121NLEB+62 to 121NLEB+93. No conflicts anticipated.

Level 3 Communications LLC (Communication Line) has underground communication line on the right side of STH 15 from Stations 95NLEB+00 to 121NLEB+93. Existing fiber within that station range will be discontinued in place and fiber optic facilities will be installed by setting a hand hole at Station 95NLEB+00, 74’ RT, bore in two, 2-inch ducts from Stations 95NLEB+00, 124’ RT, to 103NLEB+00, 124’ RT, at a planned depth of 6 feet from existing ground, running 10 feet left of existing We Energies gas line. From Stations 103NLEB+00, 124’ RT to 106NLEB+60, 120’ RT, bore at a planned depth of 14 feet from existing ground, 15 feet left of existing We Energies gas line. From Stations 106NLEB+60 to 120NLEB+00, 100’ RT, bore at a planned depth of 10 feet, 10 feet left of existing We Energies gas line. At Station 120NLEB+00, the new line will move to the right of existing We Energies gas line, 78 feet right of NLEB alignment and at a planned depth of 10 feet to Station 123NLEB+00, 57’ RT and a hand hole will be set at the existing grade. This work will occur during construction, after the spring thaw in 2024, and is anticipated to take 25 working days to complete. Contact Level 3 Communications, aka Lumen, prior to start of construction.

We Energies (Electric) has overhead and underground facilities within project limits. We Energies pole and anchor at Station 120NLEB+82 LT will be moved out of the construction limits to Station 121NLEB+20 90.3’ LT. The underground electric line and padmount transformer located on the North side of STH 15 at Station 99NLEAB+10 and the underground electric line and padmount transformer located on the North side of STH 15 from Stations 113NLEB+95 to 117NLEB+25 will be discontinued, removed, and relocated. This work will be completed during construction as they serve WisDOT traffic cabinets. Contact We Energies 20 calendar days prior to construction to coordinate this work. It is anticipated to take 10 working days to complete.

We Energies (Gas) has underground gas line along the right side of STH 15 from Stations 95NLEB+00 to 121NLEB+93. Gas line will remain in place and no conflicts are anticipated. Contact We Energies when excavating within 2 feet of the marked gas line. We Energies will have a watchdog on site.

1130-64-81 (Capitol Drive)

AT&T Wisconsin (Communication Line) has an overhead communication line along the left side of West Capitol Drive from Stations 129CAP+90 to 133CAP+47. AT&T Wisconsin will transfer aerial facilities to new poles placed by We Energies prior to construction.

AT&T Wisconsin has underground fiber optic along right side of West Capitol Drive from Stations 131CAP+20 to 146CAP+10. AT&T Wisconsin will lower the underground fiber optic line from Station 131CAP+75 to 135CAP+00, 46' FT, 20 inches prior to construction.

AT&T Wisconsin will raise the handhole on the right side of West Capitol Drive at Station 137CAP+00 during construction. Contact AT&T WI prior to working in this area. AT&T will need 1 working day to complete.

The overhead communication line along left side of North Capitol Court from Stations 100CAC+30 to 102CAC+07 will be transferred to new poles placed by We Energies prior to construction.

The overhead communication line crossing North Rifle Range Road from Stations 100RI+39 to 101RI+89, will be relocated to a new We Energies pole at Station 133CAP+22 and span to the new We Energies pole at Station 101RI+88, 39' LT, then continue on to the existing pole located on the left side of North Rifle Range Road, at Station 104RI+00. This work will be done prior to construction, after We Energies completes their relocation work.

ATC Management Inc. (Electric Transmission) has 138 kV overhead transmission lines crossing West Capitol Drive at Station 134CAP+45. No conflicts anticipated.

Grand Chute Sanitary District 1 (Water) has water line and valves from Stations 129CAP+90 to 132CAP+40, 23' LT of West Capitol Drive centerline and crossing West Capitol Drive at Station 130CAP+80, no conflicts anticipated.

Grand Chute Sanitary District 1 has an existing fire hydrant at Station 131CAP+50, LT and will relocate the hydrant to Station 131CAP+68, 33' LT. The existing fire hydrant at Station 132CAP+39, LT will be relocated to Station 132CAP+45, 23.5' LT and adjusted for the new grade. The hydrant relocations will be completed prior to construction.

Grand Chute Sanitary District 2 (Sanitary Sewer) has underground sanitary sewer line and manholes along the right side of West Capitol Drive from Stations 129CAP+90 to 132CAP+37. Manholes will be adjusted by the contractor as part of this roadway improvement contract, during construction.

The underground sanitary sewer line crossing West Capitol Drive at Station 130CAP+98, Station 132CAP+17 and along the left side of West Capitol Drive from Station 145CAP+42 to 146CAP+10 is to remain. No conflicts anticipated.

Spectrum (Communication Line) has overhead electric lines along the left side of West Capitol Drive from Stations 129CAP+90 to 133CAP +50. Overhead lines on poles at Station 131CAP+00 and 133CAP+40 will be relocated to new poles placed by We Energies at Station 130CAP+90, 32' LT and 133CAP+22, 27' LT prior to construction.

The overhead communication line from Stations 133CAP+22 to 146CAP+20 LT and lines along right side of West Capitol Drive from Stations 141CAP+13 to 146CAP+02, turning left and crossing West Capitol Drive at Station 146CAP+02 to 146CAP+78 will be removed and underground facilities will be installed from Stations 133CAP+22, 27' LT to Station 141CAP+58, 103' LT, then to Station 143CAP+43, 76' LT, then to Station 143CAP+75, 76' LT, then to Station 146CAP+20 crossing West Capitol Drive to Station 146CAP+20, 56' RT to Station 142CAP+85, 52' RT heading south out of the project limits.

Overhead communication lines on We Energies poles, crossing North Rifle Range Road from Stations 100RI+39 to 101RI+89, turning right and running along left side of North Rifle Range Road through Station 104RI+00 will be relocated to new We Energies pole Station 133CAP+22 and span to the new We Energies pole at Station 101RI+88, 39' LT. This work will be done prior to construction, after We Energies completes their relocation work.

WIN TECHNOLOGIES (Communication Line) has underground communications line along the right side of West Capitol Drive from Stations 129CAP+90 to 133CAP+52, turning left and crossing West Capitol Drive. There is also an underground communications line along the left side of North Rifle Range Road from Stations 100RI+00 through 104RI+00. No conflicts anticipated.

We Energies (Electric) has overhead electric lines along the left side of West Capitol Drive from Station 129CAP+90 through 146CAP+10.

Poles at Station 131CAP+00 and 133CAP+40 will be relocated to Station 130CAP+90, 32’ LT and 133CAP+22, 27’ LT prior to construction.

Overhead lines from Stations 133CAP+22 to 146CAP+20 will be relocated further left and underground from Stations 133CAP+22, 27’ LT to Station 141CAP+58, 103’ LT, then to Station 143CAP+43, 76 LT, then along the existing right-of-way to Station 146CAP+20, crossing West Capitol Drive to Station 146CAP+20, 56’ RT, to Station 142CAP+85, 52’ RT, and heading south out of the project limits.

There are existing overhead lines crossing North Rifle Range Road from Station 100RI+39 to 101RI+89, then turning East and running along left side of North Rifle Range Road through Station 104RI+00. Facilities between Stations 100RI+39 to 101RI+89 will be relocated underground along the left right-of-way to a new pole at Station 101RI+89.

Underground electric line crossing West Capitol Drive at Station 135CAP+00 will be discontinued in place prior to construction.

We Energies (Gas) has underground gas line along the right side of West Capitol Drive from Stations 129CAP+90 to 131CAP+59, a crossing of West Capitol Drive at Station 129CAP+97, along the North side of West Capitol Drive from Stations 131CAP+49 to 133CAP+63, a crossing of West Capitol Drive at Station 131CAP+59, along the right side of West Capitol Drive from Stations 141CAP+53 to 146CAP+10, on the left side of West Capitol Drive from Stations 145CAP+41 to 146CAP+10, and along the right side of North Capitol Court from Station 100CAC+31 to 102CAC+07. No conflicts anticipated.

We Energies has underground gas line along the left and North side of North Rifle Range Road from Stations 100RI+35 to 104RI +00. The underground gas line will remain in place. Contact We Energies prior to constructing inlets 6316, 6336 and 6341. We Energies will be on site during construction to rock shield the gas pipe near the said inlets and is anticipated to take five working days to complete.

5.2 Reconstructing Sanitary Manhole, Item SPV.0060.1200.

A Description

This special provision describes reconstructing Town of Grand Chute manholes to grade which cannot be adjusted to grade with less than 2-inches or more than 18-inches of total adjusting ring height upon completion. Manholes shall be reconstructed by removing existing manhole covers, adjustment rings, precast cone sections and barrel sections; and furnishing and installing new precast concrete barrel sections, new precast concrete cone sections, new joint seals, new adjustment rings, new external chimney seals, and new manhole covers, as necessary to reconstruct Town of Grand Chute sanitary sewer manholes to finished grade.

Perform this work according to the pertinent provisions of the Standard Specifications for Sewer and Water Construction in Wisconsin, Sixth Edition, December 22, 2003, and published Addenda, except as herein modified.

B Materials

B.1 Precast Concrete Barrel and Cone Sections

Furnish precast barrel and cone sections according to standard spec 611.2.1(3) as designated in the plans.

B.2 Joint Seal Gasket

Furnish either Kent Seal™ or EZ-Stick™ butyl rope.

B.3 External Joint Seal Wrap

Furnish EZ-Wrap™ external manhole joint seals.

B.4 Manhole Adjustment Rings

Furnish precast concrete manhole adjusting rings or Pro-Ring™ from the department's approved products list.

B.5 Trowelable Sealant

Furnish either Kent Seal™ or EZ-Stick™ trowelable butyl sealant.

B.6 Adjusting Ring Shims

Furnish shims which have a minimum surface area of 8 square inches and be made of steel, or other non-degradable material approved by the Town of Grand Chute.

B.7 External Chimney Seals

Furnish EZ-Wrap™ external chimney seal wrap.

B.8 Manhole Cover

Furnish Neenah R-1550 manhole cover with Type “B” self-sealing and non-rocking lid.

C Construction

Excavate and backfill as specified for excavation for structures in standard spec 206. Use granular backfill material for backfilling unless the engineer directs otherwise.

The elevations for manholes as indicated on the plans are approximate and are subject to all revisions necessary to fit field conditions.

The contactor shall take precautions to prevent gravel and other materials from entering the manhole. All materials falling into the manhole shall be removed by the contractor.

Remove existing manhole frame and cover, existing adjustment rings, existing cone section, and/or barrel section. After removing existing materials, the manhole frames and lids shall be delivered to the Grand Chute Public Works at 1900 W Grand Chute Boulevard. Coordinate the delivery of the materials with Mark Van Der Wegen. Dispose of all other material outside the right-of-way according to standard spec 204.3.3.

Install new precast cone and barrel sections as required to adjust to grade. Install joint seal gaskets and wraps per manufacturer(s) instructions. Install steps which conform to AASHTO M199. Manhole step placement shall be such that the first step is located a maximum distance of 8-inches from the top of the cone section. Steps shall not be placed within adjusting rings.

Clean the mating surface on top of new precast concrete cone section. Install adjusting rings to bring manhole lid to finished grade. Manhole frames shall be adjusted to the maximum extent possible by using adjusting rings of various thicknesses and tapers. Adjusting rings heights shall not have a total ring height less than 3-inches or greater than 12-inches. No manhole shall have more than four adjusting rings. The inside diameter of the adjusting rings shall match that of the opening in the manhole flat cover or eccentric cone. Concrete adjusting rings shall be set with butyl rubber sealant troweled into a 1/4 inch thick layer over the entire mating surface of the top of cone and all adjusting rings. The butyl rubber sealant shall be EZ Stik or Kent Seal butyl base sealant in trowelable grade or equal. After placing rings, minor permanent shimming of the casting to obtain the necessary elevation and slope shall be performed. Temporary wedging is not permitted. Shims shall have a minimum surface area of 8 square inches and be made of steel, or other non-degradable material approved by the Town of Grand Chute. Shims shall be placed at a minimum of three locations between the casting and top adjusting ring to prevent rocking of the casting. After the shims have been correctly placed the contractor shall then trowel the butyl rubber sealant over the mating surfaces and then place the casting onto the manhole. Installing the butyl between the adjusting ring and casting by pushing, tuckpointing, or any other method, from the outside of the rings is not permitted. Contractor shall take care to prevent the butyl rubber sealant from getting on the interior surface of the rings and frame within the chimney. Expanded polypropylene adjusting rings, Pro-Ring™, shall be installed according to the manufacturer’s recommendations.

Install an external sealing wrap on the entire manhole chimney from the casting to the 6-inches below the top of the manhole cone section and installed according to the Village Standard Detail.

D Measurement

The department will measure Reconstructing Sanitary Manhole by each manhole reconstructed, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.1200	Reconstructing Sanitary Manhole	EACH

Payment is full compensation for removing existing manhole covers, adjustment rings, cone sections and barrel sections; for providing and installing all required materials, including new precast concrete barrel and cone sections, external joint seals, new adjustment rings, new chimney seals, salvaged manhole covers, and storage of salvaged manhole covers; for all necessary excavation, backfilling, backfill material, delivery of removed covers to Public Works, and disposing of surplus material; and for cleaning

out and restoring the work site, except the department will pay for restoration work such as topsoil, seeding, or asphalt surface under separate contract items.

5.3 Adjusting Water Valve Boxes, Item SPV.0060.1201.

A Description

This special provision describes adjusting water valve boxes to final pavement elevations the plans show.

B Materials

Utilize existing valve boxes where the required extent of adjustment allows. If additional sections are necessary, coordinate with Grand Chute Sanitary District 1 and contact Mark Van Der Wegan (no phone or address listed) to obtain required materials.

C Construction

Before completion of paving operations, adjust the water valve boxes to match the final proposed grade. Excavate and expose the existing water main valve box to the depth needed to adjust the valve box to grade, add or remove extension(s) as needed, and backfill with base aggregate material conforming to the requirements for the adjacent roadway base course construction.

Complete adjustments in such a manner to avoid any damage to the water valve boxes. Provide the Grand Chute Sanitary District 1 two working days advance notice before adjusting the valve boxes to finished grade.

D Measurement

The department will measure Adjusting Water Valve Boxes as a unit of work for each valve box adjustment, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.1201	Adjusting Water Valve Boxes	EACH

Payment is full compensation for adjusting each valve box; excavating as necessary to access the valve box; backfilling; repairing any damage done to the valve box during adjustment; and for adding new sections if necessary.

ner-900-015 (20190718)

5.4 Adjusting Sanitary Manhole, Item SPV.0060.1202.

A Description

This special provision describes adjusting Town of Grand Chute manholes to final pavement elevations and slopes as shown in the plans, with no more than 12-inches of total adjusting ring height upon completion.

Perform this work according to the pertinent provisions of the Standard Specifications for Sewer and Water Construction in Wisconsin, Sixth Edition, December 22, 2003, and published Addenda, except as herein modified.

B Materials

B.1 Manhole Adjustment Rings

Furnish precast concrete manhole adjusting rings or Pro-Ring™ from the department's approved products list. Use only one concrete adjusting ring per manhole, when feasible. Do not use 1-inch and 2-inch concrete adjusting rings, unless preapproved by the Town of Grand Chute.

B.2 Trowelable Sealant

Furnish either Kent Seal™ or EZ-Stick™ trowelable butyl sealant.

B.3 Adjusting Ring Shims

Furnish shims which have a minimum surface area of 8 square inches and be made of steel, or other non-degradable material approved by the Town of Grand Chute.

B.4 Internal Chimney Seals

Furnish Cretex internal chimney seals or approved equal.

B.5 Manhole Cover

Furnish Neenah R-1550 manhole cover with Type “B” self-sealing and non-rocking lid.

C Construction

The elevations for manholes as indicated on the plans are approximate and are subject to all revisions necessary to fit field conditions.

The contactor shall take precautions to prevent gravel and other materials from entering the manhole. All materials falling into the manhole shall be removed by the contractor.

Remove existing manhole frame, cover, and existing adjustment rings. After removing existing materials, the manhole frames and lids shall be delivered to the Grand Chute Public Works at 1900 W Grand Chute Boulevard. Coordinate the delivery of the materials with Greg Koch, (920) 832-1581. Dispose of all other material outside the right-of-way according to standard spec 204.3.3.

Clean the mating surface on top of existing precast concrete cone section. Install adjusting rings to bring manhole lid to finished grade. Manhole frames shall be adjusted to the maximum extent possible by using adjusting rings of various thicknesses and tapers. Adjusting rings heights shall not have a total ring height less than 3-inches or greater than 12-inches. No manhole shall have more than four adjusting rings. The inside diameter of the adjusting rings shall match that of the opening in the manhole flat cover or eccentric cone. Concrete adjusting rings shall be set with butyl rubber sealant troweled into a 1/4 inch thick layer over the entire mating surface of the top of cone and all adjusting rings. The butyl rubber sealant shall be EZ Stik or Kent Seal butyl base sealant in trowelable grade or equal.

After placing rings, minor permanent shimming of the casting to obtain the necessary elevation and slope shall be performed. Temporary wedging is not permitted. Shims shall have a minimum surface area of 8 square inches and be made of steel, or other non-degradable material approved by the Town of Grand Chute. Shims shall be placed at a minimum of three locations between the casting and top adjusting ring to prevent rocking of the casting.

After the shims have been correctly placed the contractor shall then trowel the butyl rubber sealant over the mating surfaces and then place the casting onto the manhole. Installing the butyl between the adjusting ring and casting by pushing, tuckpointing, or any other method, from the outside of the rings is not permitted. Contractor shall take care to prevent the butyl rubber sealant from getting on the interior surface of the rings and frame within the chimney. Expanded polypropylene adjusting rings, Pro-Ring™, shall be installed according to the manufacturer’s recommendations.

D Measurement

The department will measure Adjusting Sanitary Manhole by each manhole adjusted, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.1202	Adjusting Sanitary Manhole	EACH

Payment is full compensation for removing existing manhole covers and adjustment rings; cleaning top of existing precast concrete cone section; for providing and installing all required materials, including new adjustment rings, new chimney seals, salvaged manhole covers, and storage of salvaged manhole covers; for all necessary excavation, delivery of removed covers to Public Works, and disposing of surplus material;; and for cleaning out and restoring the work site, except the department will pay for restoration work such as topsoil, seeding, or asphalt surface under separate contract items.

6. Railroads.

6.1 Railroad Insurance and Coordination - Fox Valley and Lake Superior Rail System, LLC.

A Description

Comply with standard spec 107.17 for all work affecting Fox Valley and Lake Superior Rail System, LLC property and any existing tracks.

A.1 Railroad Insurance Requirements

In addition to standard spec 107.26, provide railroad protective liability insurance coverage as specified in standard spec 107.17.3 Insurance is filed in the name of Fox Valley and Lake Superior Rail System.

Notify evidence of the required coverage, and duration to Justin Mahr, Senior Manger Real Estate - Contracts; 315 W. 3rd Street, Pittsburg, KS 66762; Telephone (402) 651-8238; E-mail: justin.mahr@watco.com

Also send a copy to the following: Jared Kinziger, NE Region Railroad Coordinator; 944 Vanderperren Way, Green Bay, WI 54304; Telephone (920) 492-7713; E-mail: jared.kinziger@dot.wi.gov.

Include the following information on the insurance document:

- Project ID: 1130-64-76/81, IH 41 Mega Project
- Work Performed on or within 50' of RR right-of-way: Traffic control

#	Route Name	City/County	Crossing ID	RR Subdivision	RR Milepost
1	IH 41	Grand Chute, Outagamie	181829G	Fox River	124.00
2	STH 15	Grand Chute, Outagamie	693822Y	Fox River	124.84
3	IH 41	Grand Chute, Outagamie	697811A	Fox River	353.50

A.2 Train Operation

#	Passenger Train Volume	Passenger Train Speed	Freight Train Volume	Freight Train Speed	Frequency	Switch Train Comment*
1	None	NA	6	10	Weekly	No switch trains
2	None	NA	6	10	Weekly	No switch trains
3	None	NA	6	25	Weekly	No switch trains

* Switch trains are in addition to freight and passenger trains.

A.3 Names and Addresses of Railroad Representatives for Consultation and Coordination

Construction Contact

Roger Schaalma, Divisional Engineer, Fox Valley and Lake Superior Rail System, LLC.; 1890 East Johnson Street, Madison, WI 53704; Telephone (608) 620-2044; E-mail rschaalma@watco.com for consultation on railroad requirements during construction.

Amend standard spec 108.4 to include the railroad in the distribution of the initial bar chart, and monthly schedule updates. The bar chart shall specifically show work involving coordination with the railroad.

Flagging Contact

Gary Westphal; Roadmaster; 414-750-5676; gwestphal@watco.com. Reference the Crossing ID, Wisconsin Milepost and Subdivision found in A.1.

Cable Locate Contact

In addition to contacting Diggers Hotline, contact the Construction Contact above at least five working days before the locate is needed. Reference the Crossing ID, Wisconsin Milepost and Subdivision found in A.1.

Fox Valley and Lake Superior Rail System, LLC will only locate railroad owned facilities located in the railroad right-of-way. The railroad does not locate any other utilities.

A.4 Work by Railroad

The railroad will perform the work described in this section, except for work described in other special provisions, and will be accomplished without cost to the contractor. None

A.5 Temporary Grade Crossing

If a temporary grade crossing is desired, submit a written request to the railroad representative named in A.3 at least 40 days prior to the time needed. Approval is subject to the discretion of the railroad. The department has made no arrangements for a temporary grade crossing.

stp-107-026 (20230629)

7. Environmental.

7.1 Information to Bidders, U.S. Army Corps of Engineers Section 404 Permit.

The department has obtained an individual Section 404 Permit from the U.S. Army Corps of Engineers. Comply with the requirements of the permit in addition to requirements of the special provisions.

A copy of the permit is available from the regional office by contacting Scott Ebel at (920) 492-5676.

If the contractor requires work outside the proposed slope intercepts, based on their method of operation to construct the project, it is the contractor's responsibility to determine whether a U.S. Army Corps of Engineers Section 404 permit modification is required. If a Section 404 permit modification is necessary, obtain the permit modification prior to beginning construction operations requiring the permit. No time extensions as discussed in standard spec 108.10 will be granted for the time required to apply for and obtain the permit modification. The contractor must be aware that the U.S. Army Corps of Engineers may not grant the permit modification request.

stp-107-054 (20230629)

7.2 Information to Bidders, WPDES General Construction Storm Water Discharge Permit.

The department has obtained permit coverage through the Wisconsin Department of Natural Resources to discharge storm water associated with land disturbing construction activities under this contract. Conform to all permit requirements for the project.

This permit is the Wisconsin Pollutant Discharge Elimination System, Transportation Construction General Permit, (WPDES Permit No. WI-S066796-2). The permit can be found at:

https://widnr.widen.net/s/s5mwp2gd7s/finalsignedwisdotcsgp

A certificate of permit coverage is available from the regional office by contacting Tim Verhagen at (920) 362-1267. Post the permit certificate in a conspicuous place at the construction site.

stp-107-056 (20230629)

7.3 Notice to Contractor, Handsome Sedge.

The Handsome Sedge, a Wisconsin Threatened plant, is located at the STH 15 interchange. Several communities of the plant have been relocated outside of the proposed construction limits. Contact the IH 41 Corridor Environmental Coordinator at (920) 492-5705 if impacts outside of the proposed construction limits are anticipated. The coordinator will confirm the new impacts will not affect the remaining communities of plants.

7.4 Environmental Protection, Aquatic Exotic Species Control.

Exotic invasive organisms such as VHS, zebra mussels, purple loosestrife, and Eurasian water milfoil are becoming more prolific in Wisconsin and pose adverse effects to waters of the state. Wisconsin State Statutes 30.07, "Transportation of Aquatic Plants and Animals; Placement of Objects in Navigable Waters", details the state law that requires the removal of aquatic plants and zebra mussels each time equipment is put into state waters.

At construction sites that involve navigable water or wetlands, use the follow cleaning procedures to minimize the chance of exotic invasive species infestation. Use these procedures for all equipment that comes in contact with waters of the state and/or infested water or potentially infested water in other states.

Ensure that all equipment that has been in contact with waters of the state, or with infested or potentially infested waters, has been decontaminated for aquatic plant materials and zebra mussels before being used in other waters of the state. Before using equipment on this project, thoroughly disinfect all equipment that has come into contact with potentially infested waters. Guidelines from the Wisconsin Department of Natural Resources for disinfection are available at:

http://dnr.wi.gov/topic/invasives/disinfection.html

Use the following inspection and removal procedures:

1. Before leaving the contaminated site, wash machinery and ensure that the machinery is free of all soil and other substances that could possibly contain exotic invasive species;
2. Drain all water from boats, trailers, bilges, live wells, coolers, bait buckets, engine compartments, and any other area where water may be trapped;
3. Inspect boat hulls, propellers, trailers and other surfaces. Scrape off any attached mussels, remove any aquatic plant materials (fragments, stems, leaves, seeds, or roots), and dispose of removed mussels and plant materials in a garbage can before leaving the area or invested waters; and
4. Disinfect your boat, equipment and gear by either:
    4.1. Washing with ~212 F water (steam clean), or
    4.2. Drying thoroughly for five days after cleaning with soap and water and/or high pressure water, or
    4.3. Disinfecting with either 200 ppm (0.5 oz per gallon or 1 Tablespoon per gallon) Chlorine for 10-minute contact time or 1:100 solution (38 grams per gallon) of Virkon Aquatic for 20- to 30-minute contact time. Note: Virkon is not registered to kill zebra mussel veligers nor invertebrates like spiny water flea. Therefore, this disinfect should be used in conjunction with a hot water (>104º F) application.

Complete the inspection and removal procedure before equipment is brought to the project site and before the equipment leaves the project site.

stp-107-055 (20230629)

7.5 Environmental Protection, Dewatering.

Add the following to standard spec 107.18:

If dewatering is required, treat the water to remove suspended sediments by filtration, settlement or other appropriate best management practice before discharge. The means and methods proposed to be used during construction shall be submitted for approval as part of the Erosion Control Implementation Plan for dewatering at each location it is required. The submittal shall also include the details of how the intake will be managed to not cause an increase in the background level turbidity before treatment and any additional erosion controls necessary to prevent sediments from reaching the project limits or wetlands and waterways. Guidance on dewatering can be found on the Wisconsin Department of Natural Resources website located in the Storm Water Construction Technical Standards, Dewatering Code #1061, “Dewatering”. This document can be found at the WisDNR website:

http://dnr.wi.gov/topic/stormwater/standards/const_standards.html

The cost of all work and materials associated with water treatment and/or dewatering is incidental to the bid items the work is associated.

ner-107-040 (20180212)

7.6 Environmental Protection, Phragmites.

Add the following to standard spec 107.18:

(7) Phragmites, an invasive species plant, is known to exist within the project limits and in areas that ground disturbance or excavation work is shown in the plans. All soils containing plant or root fragments within the roadway construction limits that will be excavated or salvaged as part of the work within the contract shall be used as fill per standard spec 205.3.12, replaced in its original location as salvaged topsoil, hauled to locations designated for disposal as shown in the contract or wasted at a select site as approved by the engineer.

(8) All waste sites are subject to review and approval by the department and shall be suitable to the waste of material containing invasive species to control their spread in compliance with NR 40. Waste sites suitable for invasive species would prevent or control the growth and spread of the plant by burying, mowing or other control practices. The contractor shall submit methods for managing phragmites infested soil on this project for approval as part of the Erosion Control Implementation Plan.

(9) Known Locations of invasives are shown in the plans as a construction detail, but other locations may exists within the project limits. Notify the engineer of any addition areas of phragmites that are identified. The limits of all previously and newly identified locations of phragmites are to be verified by the engineer in the field prior to any soil disturbance taking place.

(10) Prior to moving equipment out of the infested area clean soils, seeds, plant, or invertebrates from exterior surfaces. Use most effective method that is practical by the following means: brush, broom, or other hand tools; high pressure air, steam cleaning; or portable wash station that contains runoff from washing equipment. Do not clean equipment, vehicles or trailers in or near waterways as it may promote the spread of invasive species downstream.

ner41-107 (12052023)

8. Clear, Demolition and Removal.

8.1 Notice to Contractor – Grubbing of Early Tree Removal Contract.

There is an early tree clearing contract that will remove all trees of a 3-inch or greater diameter at breast height (dbh) within the slope intercepts. The scope of the work consists of cutting down and disposing of the trees within the project limits. The stumps and roots of the trees cut down during the removal contract will be left in place. The tree clearing contract will be completed before this project begins.

Grubbing of the stumps and roots of the trees removed during the early tree removal contract will be completed during this project.

Refer to Northern Long-eared Bat section of the Prosecution and Progress article if construction operations require the removal of any additional trees during this project.

8.2 Clearing and Grubbing.

Add to standard spec 201.3:

The contractor is prohibited from open burning of weeds, brush, logs, limbs, stumps, roots, lumber and debris from clearing and grubbing or from demolition.

Dispose of stumps, roots, brush, waste logs and limbs, timber tops and debris resulting from clearing and grubbing or occurring within clearing and grubbing limits by chipping and removing from the highway right-of-way.

ner-201-005 (20190717)

8.3 Ground Water Monitoring Well.

Others have constructed groundwater monitoring wells along the corridor, these wells have been abandoned prior to construction.

If ground water monitoring wells or portions of a ground water monitoring well are encountered during construction, notify the engineer. Any work encountered with verified ground water monitoring wells is incidental to the project.

8.4 Removing Apron Endwalls, Item 204.9060.S.0103.

A Description

This special provision describes removing apron endwalls conforming to standard spec 204.

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Apron Endwalls by each unit, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.0103	Removing Apron Endwalls	EACH

stp-204-025 (20230113)

8.5 Removal and Salvage of High-Tension Cable Guard and Posts, Item SPV.0090.0100.

A Description

This special provision describes salvaging the cables and posts of high-tension cable guard and full depth removal of all footings.

B Materials (Vacant)

C Construction

Existing cable guard shall not be removed until temporary precast barrier is in placed between live traffic and the cable guard.

The length of salvageable high-tension cable guard is estimated.

Completely disassemble the existing cable barrier system and carefully salvage all posts and cable.

Salvage the components of the existing cable guard per the pertinent provisions of standard spec 614.3.9. Any damaged materials shall be replaced at cost of the contractor.

Stockpile the salvaged materials in an engineer-approved locations on the project. Store the materials in a location so as to not come in contact with the ground as follows:

- Posts – Banded and neatly stacked on pallets.
- Cable – Coiled on a cable reel or neatly coiled on pallets.

The Brown County Highway Department will pick up the salvaged materials. Contact Mike Piacenti, Brown County Highway Department, (920) 622-2169 to coordinate pick up times. Provide at least 7 calendar days advance notice for when the cable and posts will be available for pickup.

Label the length of cable guard for each piece coiled on a cable reel or neatly coiled on pallets.

Remove all footings. Full depth removal of footings is required. Dispose of all materials not designated for salvage as specified for disposing of materials under standard spec 203.3.3.5. Removal and disposal of the components is incidental to the work.

D Measurement

The department will measure salvaging cable guard and posts by the linear foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.0100	Removal and Salvage of High-Tension Cable Guard and Posts	LF

Payment is full compensation for removing, handling, cutting, stockpiling, storing, disposal of damaged or non-working equipment, and disposing the existing terminals for high-tension cable guard.

9. Earthwork.

9.1 Notice to Contractor – Clay Cover and Fly Ash Excavation.

The department completed testing for soil and groundwater contamination for locations within this project where excavation is required. A clay encased cell of fly ash is present at the following location:

1. **West Side of STH 15/IH 41 Interchange:** Station 97NLEB+00 to 107NLEB+00 from 95 feet left of reference line to 125 feet right of reference line.

The existing fly ash cell and associated clay cover are expected to be in the excavation limits necessary to construct STH 15, specifically construction of light pole foundations, traffic signal foundations, S-44-325 foundations and R-44-56. Control construction operations in the area of the fly ash cell to ensure that work does not extend beyond the excavation limits for the various work items indicated in the plan.

Unless directed by the engineer, do not excavate beyond the theoretical limits of excavation shown in the plans. Excavation of fly ash material beyond the theoretical limits will be considered incidental to the bid items associated with the re-use and disposal of fly ash.

If the existing fly ash cell or associated clay cover is encountered during work at STH 15, immediately cease excavation activities in the area and notify the engineer. Do not resume construction activities in that area until the engineer coordinates with the department's soils engineer and environmental consultant.

9.2 Notice to Contractor – Salvaged Topsoil.

Remove additional topsoil in areas beneath embankments, as shown in the plans or as directed by the engineer. Use materials as shown in the plans to backfill the area. Removal of additional topsoil beneath embankments is incidental to the Salvaged Topsoil bid item.

After completing the finished grading, place 6-inches of salvaged topsoil on all surfaces where seeds will be sown, or sod will be placed. Use surplus humus-bearing soils to flatten slopes, fill low places in the right-of-way or as directed by the engineer.

9.3 Embankment Construction.

Replace standard spec 205.3.2(4) with the following:

If placing embankment on side slopes 10-feet high or higher and steeper than one vertical to 3 horizontal, cut a minimum 18-inch depth bench into the existing embankment every 3 feet of vertical fill height.

ner-207-005 (20171213)

9.4 Preparing the Foundation.

Add the following to standard spec 211.3.1:

The contractor shall plan construction activities such that the earth subgrade is covered by the roadway base in a timely manner upon completion of preparation of the subgrade or as the engineer directs. The contractor is responsible for the removal of any excess water from the subgrade as a result of rainfall events or natural drainage.

ner-211-005 (20171213)

9.5 Staged Embankment Construction.

Construct the proposed embankments according to the plans, standard spec 207, and as hereinafter provided.

Early roadway embankment shall be placed as shown in the plans and cross sections.

Each stage of construction shall consist of the placement of roadway embankment to the maximum elevation shown in the table for the limits shown. After placement at each stage, a minimum calendar day wait period, as indicated in the table, is required prior to start of the next stage or final paving. Except for maintaining embankments, no work shall be performed on embankments until settlement and monitoring requirements identified in article 10.7, Settlement Gauges and Monitoring, are complete, unless otherwise approved by the engineer. No material shall be stockpiled, or equipment stored on embankments during the waiting period, unless otherwise approved by the engineer. The engineer may extend the wait period of the fill if the settlement data indicate this is appropriate.

The contractor may submit a request, in writing, to the engineer for approval to reduce the wait period if settlement data indicates this is suitable. The request shall include the proposed number of days between final embankment placement and proposed paving operations and all applicable settlement data collected for the location(s) included in the request. The engineer shall respond within 7 days to this request.

Location - Alignment	Begin Station	End Station	Features	Construction Stage(s)	Max Fill Elevation	Wait Period Before Next Stage/Paving
NLA & NLAA	1599NLA+97.39 1594NLAA+46.46	1591NLA+25.64 1590NLAA+32.83	Marsh Excavation Embankment Fly Ash Fill	3B-3C	Finished Subgrade	30 days
NLB & NLBB	1578NLB+77.48 1588NLBB+89.77	1591NLB+00.97 1591NLBB+60.20	Embankment Fly Ash Fill	3B-3C	Finished Subgrade	30 days
NLC & NLCC	1588NLC+00 1589NLCC+02.52	1590NLC+55 1590NLCC+50	Marsh Excavation Early Fill Embankment	2	812 ft	180 days
	1585NLC+00 1589NLCC+02.52	1591NLC+00 1592NLCC+50	Fly Ash Excavation R-44-56 Embankment	3B-3C	Finished Subgrade	30 days
NLD & NLDD	1591NLD+45.55 1590NLDD+11.68	1594NLD+60 1594NLDD+12.63	Marsh Excavation Early Fill Embankment	2	811 ft	180 days
	1591NLD+45.55 1590NLDD+11.68	1594NLD+60 1594NLDD+12.63	Embankment	3A-3D	Finished Subgrade	30 days
	1595NLD+80	1600NLD+25	Marsh Excavation Early Fill Embankment	2	806 ft	180 days
	1595NLD+80	1600NLD+25	Embankment	3A-3D	Finished Subgrade	30 days

9.6 Backfill Controlled Low Strength, Item 209.0200.S.

A Description

This special provision describes furnishing and placing a controlled low strength material designed for use as backfill in trenches for culverts, sewers, utilities, or similar structures, as backfill behind bridges abutments, or as fill for the abandonment of culverts, pipes, or tanks.

B Materials

Provide controlled low strength backfill that consists of a designed cementitious mixture of natural or processed materials. Allowable materials include natural sand, natural gravel, produced sand, foundry sand, produced gravel, fly ash, Portland cement, and other broken or fragmented mineral materials. The designed mixture shall be self-leveling and shall be free of shrinkage after hardening. Design the mixture to reach a state of hardening such that it can support foot traffic in no more than 24 hours. Provide a mixture that also meets the following requirements.

TEST	METHOD	VALUE
Flow (inch)	ASTM D-6103	9 min
Compressive Strength (psi)	ASTM D-6024	20-40 @ 14 days 40-80 @ 28 days 80-120 @ 90 days

Chemical admixtures to control air content and setting time are allowable. Ten days before placement, furnish the engineer with a design mix detailing all components and their proportions in the mix.

C Construction

Place controlled low strength backfill at the locations and to the lines and grades as shown on the plan. Proportion and mix materials to produce a product of consistent texture and flow characteristics. The engineer may reject any materials exhibiting a substantial change in properties, appearance, or composition.

If the official Weather Bureau forecast for the construction site predicts temperatures at or below freezing within the next 24 hours after placement of controlled low strength backfill, protect the placed materials from freezing during that time period. If the temperature is not forecast to rise above 40º F for 72 hours after placement, the engineer may require protection from freezing for up to 72 hours.

No controlled low strength backfill shall be allowed to enter any stream, lake, or sewer system. The contractor shall be responsible for any clean up or remediation costs resulting from such occurrences.

D Measurement

The department will measure Backfill Controlled Low Strength in volume by the cubic yard of material, acceptably completed. Such volume shall be computed from actual measurements of the dimensions of the area to be backfilled. In irregular or inaccessible areas, the engineer may allow volume to be determined by other appropriate methods.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
209.0200.S	Backfill Controlled Low Strength	CY

Payment is full compensation for designing the mix; supplying all materials; preparing the proportioned mix; hauling it to the construction site; placing the material; and protecting it from freezing.

stp-209-010 (20191121)

9.7 Clay Cover, Item 640.1305.S.

A Description

This special provision describes furnishing and installing clay in areas the plans show. Construction of the clay cover shall be performed according to NR 504 and NR 506.

B Materials

For each source, prior to excavating and hauling the clay to the project, submit the results of the laboratory source screening tests described in Table 1. Laboratory test results of the clay must meet or exceed the requirements before placing material.

Submit source screening test results to the engineer for review, two weeks before clay placement.

C Construction

C.1 Clay Cover

C.1.1 Subgrade

Compact the subgrade to the minimum density using standard spec 207.3.6.2, Standard Compaction, or as otherwise specified in the contract requirements.

C.1.2 Erosion Protection

Do not place the clay cover until after all adjacent site grading has been completed and only after silt fence has been installed completely around the area of clay placement.

C.1.3 Clay Placement

After the fine grading is complete, place and compact clay in compacted 6-inch lifts. Place each lift of clay in one continuous lift. See plans for clay construction limits. Measure the thickness of the clay, the plans show, perpendicular to the surface.

Notify the engineer at least three days before starting construction of clay cover.

Table 1

Reference	Number	Test Title	Requirements	Testing Frequency		
				Source Screening	Project Testing	
					Top Cover	Sideslopes
ASTM	D698	Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort	NA	1/source	1/source	1/source
ASTM	D1140	Standard Test Methods for Amount of Material in Soils Finer Than the No. 200 (75-um) Sieve	Per NR 504[1]	2/source	1/2,220 cy per lift[2]	1/3,330 cy per lift[2]
ASTM	D422	Standard Test Method for Particle-Size Analysis of Soils	Per NR 504[1]	2/source	1/2,220 cy per lift[2]	1/3,330 cy per lift[2]
ASTM	D4318	Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils.	Per NR 504[1]	2/source	1/2,220 cy per lift[2]	1/3,330 cy per lift[2]
ASTM	D2487	Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	Per NR 504[1]	2/source	1/2,220 cy per lift[2]	1/3,330 cy per lift[2]
ASTM	D2922	Standard Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)	Per NR 504[1]	NA	200'x200' Grid/lift[2]	240'x240' Grid/lift[2]
ASTM	D5084	Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	See Note 3	1/source	1/6,660 cy per lift[2, 4]	1/10,000 cy per lift[2, 4]

Notes:

1. NR 504 = Wisconsin Department of Natural Resources Regulations Chapter NR 504 Landfill Location, Performance, Design and Construction Criteria.
2. A lift shall not exceed 6-inches.
3. The sample for the test shall be remolded at a minimum dry density of 95% of the maximum dry density as determined by the Standard Proctor test and at a moisture content required to achieve the required hydraulic conductivity of $1x10^{-5}$ cm/sec as stated in NR 506.08(3)(a), but with a minimum moisture content at or above the optimum moisture content as determined in the Standard Proctor test.
4. An undisturbed sample from a thinned walled sampler (Shelby tube).

Compact the clay cover to a minimum of 95% Standard Proctor ASTM D698 Maximum Dry Density with footed compaction equipment having feet at least as long as the loose lift height. As needed, clay shall be disked or otherwise mechanically processed before compaction to break up clods and allow moisture content adjustment. Clod size shall be no greater than 4 inches. All compaction equipment utilized shall have a minimum static weight of 30,000 pounds.

Provide all equipment necessary to adjust clay to the proper moisture content for compaction.

Make sufficient number of passes of the compaction equipment over each lift of clay to ensure complete remolding of the clay.

Do not proceed with placement of additional lifts until all required clay testing and documentation has been completed for the previous lift.

During placement of the clay cover, the minimum moisture content shall be as defined by the testing performed in the source screening evaluation and with the following limits:

- No drier than the optimum moisture content as determined by the Standard Proctor test ASTM D698.

If the in-place clay fails to meet the requirements of Table 1, then remove and replace or rework any portion of the clay clover not meeting the project requirements until project specifications are met. There shall be no compensation for removing, replacing and reworking clay not meeting the requirements in Table 1.

C.1.4 Project Testing and Acceptance

Perform all project testing at the frequency shown in Table 1 except for project testing for ASTM D5084 Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter, which will be done by the department. Record clay cover thickness on a 200 foot x 200 foot grid pattern for the top cover and sideslopes.

Provide the following:

- Access for on-site testing, inspection, and documentation.
- Machinery required to grade/blade density test locations.
- Machinery required to collect undisturbed clay samples (i.e., with Shelby tubes).
- Replace and recompact clay material removed for testing purposes.

Perform sampling, testing, and documentation for project testing in Table 1, required under this provision using HTCP certified technicians. Have a HTCP Grading Technician I (GRADINGTEC-I); or Assistant Certified Technician, Grading (ACT-GRADING); or Aggregate Technician I (AGGTEC-I); or Assistant Certified Technician, Aggregate (ACT-AGG) present at each grading site during all clay cover placement, compaction, and sampling/testing activities. Have a HTCP Nuclear Density Technician I (NUCDENSITYTEC-I) or Assistant Certified Technician, Nuclear Density Gauge Operator (ACT-NUC) perform field density and field moisture content testing.

If an Assistant Certified Technician (ACT) is performing sampling or testing, a certified technician must coordinate and take responsibility for the work an ACT performs. Have a certified technician ensure that all sampling and testing is performed correctly, analyze test results, and post resulting data. No more than one ACT can work under a single certified technician.

Perform all project testing with a department approved laboratory.

C.1.5 Department Testing

The department will perform the project testing for ASTM 5084 Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter.

D Measurement

The department will measure Clay Cover in volume by the cubic yards, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
640.1305.S	Clay Cover	CY

Payment is full compensation for furnishing, placing and compacting the clay cover; and for performing all tests.

stp-640-017 (20210113)

9.8 Roadway Embankment, Item SPV.0035.0100.

A Description

This special provision describes providing embankments and the materials needed to construct embankments. Conform to standard spec 207 and 208 and as below.

Material to construct embankments is incidental to this bid item, including Borrow.

B Materials

Furnish materials according to standard spec 207.2.

If Borrow material is used conform to standard spec 208.2.

C Construction

Conform to standard spec 207.3.

If Borrow material is used conform to standard spec 208.3.

D Measurement

The department will measure Roadway Embankment by the cubic yard acceptably completed in its final position, using the method of average end areas, with no correction for curvature. The department will determine the end areas from preconstruction cross-sections of the area being covered by the proposed embankment and from cross-sections of the completed work. The department will not make allowances for shrinkage, subsidence, lateral movement of the material, or for material in excess of that required for work the plans show or the engineer orders.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.0100	Roadway Embankment	CY

Payment is full compensation for placing material to construct embankments which includes hauling, placing, forming, compacting, shaping, sloping, trimming, finishing, maintaining embankments and other incidental work required under standard spec 207 and 208.

Payment includes clearing, grubbing, excavating, disposing of surplus and unsuitable material and spreading salvaged material for covering the surfaces of excavated areas within the borrow sites.

The department will not pay separately for removing and disposing of rock, stone and boulders that the engineer rejects under standard spec 207.3.11.

~~ner-207-015 (20190402)~~

9.9 Excavation, Hauling, and Reuse of Low-Level Contaminated Material, Item SPV.0035.0105.

A Description

A.1 General

This special provision describes excavating, relocating, and reusing low-level contaminated material within the project limits or at a WDNR approved off site location.

Perform this work conforming to standard spec 205 and Chapters NR 700-754 of the Wisconsin Administrative Code, as supplemented herein. Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport impacted soil.

A.2 Notice to the Contractor – Impacted Soil Locations

The department completed testing for soil contamination at locations within this project where excavation is required. Testing indicated that contaminated material is present at the following locations as shown on the plans:

1. Fly ash site – West Side of STH 15/IH 41 Interchange: Station 99NLEB+30 to 107NLEB+00 from 95 feet left of reference line to 125 feet right of reference line.
2. PVOC Contamination: Station 1586NLB+00 to 1588NLB+00 from reference line to 100 feet right of reference line from approximately 0 to 7.5 feet below ground surface.

If other signs of contamination are encountered at these locations or elsewhere on the project, terminate excavation activities in the area and notify the engineer.

Groundwater monitoring wells maybe present within the construction limits. If encountered, protect all groundwater monitoring wells to maintain their integrity. Adjust wells that do not conflict with utilities, structures, curb and gutter, etc. to be flush with the final grade. For wells that conflict with the previously mentioned items, notify the environmental consultant, and coordinate with the environmental consultant the abandonment or adjustment of the wells by others. The environmental consultant will provide maps indicating the locations of all known monitoring wells, if requested by the contractor.

Coordinate with the environmental consultant to ensure that the environmental consultant is present to abandon and/or document the location of the groundwater monitoring well during excavation activities.

If dewatering is required at the above location, conduct the dewatering according to Section C below.

A.3 Reuse of Low-Level Contaminated Soils

Contaminated material excavated from the locations listed in A.2 is characterized as Low-Level Contaminated Material and shall be reused as fill at the following locations:

1. Ramp A: Station 1591NLA+00 to Station 1595NLA+50 within project limits, estimated 4,306 cubic yards.
2. Ramp B: Station 1586NLB+00 to Station 1591NLB+00 within project limits, estimated 3,090 cubic yards.

Low-level contaminated material from the locations specified in A.2 that cannot be reused in the specified reuse locations must be hauled off-site and disposed of according to the "Hauling, and Disposal of Contaminated Material" special provision.

A.4 Excavation Management Plan Approval

The excavation management plan for this project has been designed to minimize the off-site disposal of impacted material. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding previous investigation and remediation activities in these areas contact:

Name:	Mae Sommerfeld
Address:	944 Van Der Perren Way, Green Bay, WI 54304
Phone:	(920) 362-1704
E-mail:	mae.sommerfeld@dot.wi.gov

A.5 Coordination

Coordinate work under this contract with the environmental consultant. Determine the environmental consultant by contacting the following at least 30 days prior to the preconstruction conference:

Consultant:	TRC Environmental Corporation
Contact:	Dan Haak, P.E.
Address:	999 Fourier Drive, Suite 101, Madison, WI 53717
Phone:	(608) 826-3628
Fax:	(608) 826-3941
E-mail:	dhaak@trccompanies.com

The role of the environmental consultant will be limited to:

1. Determining the location and limits of low-level contaminated soil to be excavated and reused as fill based on soil analytical results from previous investigations, visual observations, and field screening of soil that is excavated;
2. Documenting that activities associated with management of low-level contaminated soil are in conformance with the low-level contaminated soil management methods for this project as specified herein; and
3. Obtaining the necessary approvals for reuse of low-level contaminated soils from the WDNR.
4. Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the areas specified above to the environmental consultant. Also notify the environmental consultant at least 3 calendar days before beginning excavation activities in each low-level contaminated soil areas.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation activities in the low-level contaminated soil areas. Perform excavation work in each of the contaminated areas on a continuous basis until excavation work is completed.

The environmental consultant will be responsible for obtaining the necessary approvals for reuse of the excavated low-level contaminated soil from the WDNR. Do not transport soil offsite without prior approval from the environmental consultant.

B (Vacant)

C Construction

Add the following to standard spec 205.3:

Control operations in the impacted areas to minimize the quantity of low-level contaminated soil excavated and hauled for reuse at the designated reuse location.

The environmental consultant will periodically evaluate materials excavated from the areas specified above. The environmental consultant will evaluate excavated soil based on field screening results, visual observations, and soil analytical results from previous environmental investigations. Assist the environmental consultant in collecting soil samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 20 cubic yards excavated.

Directly load and haul soils designated by the environmental consultant for reuse. Use loading and hauling practices that are appropriate to prevent any spills or releases of soil during transit. Prior to transport, sufficiently dewater soils designated for on-site reuse so as not to contain free liquids.

If the environmental consultant determines the material can be beneficially re-used on-site, the material can be placed at a maximum of 4 feet thick under highway pavements, behind retaining walls, or in other consultant approved areas of the project with 2-foot thick low permeable clay soil cover, including 4 inches of topsoil and grass cover as per NR 538.10. Any area where low-level contaminated material is used as an embankment and not covered by pavement or road shoulder material, it should be sloped to prevent ponding of water as well.

Groundwater may be present within the construction limits. A minimum separation distance of 3 feet between the fly ash and groundwater table at the time of material placement is required as per NR 538.12. Water generated during dewatering operations (if necessary) is expected to be permitted to discharge to the surface except in the contaminated locations.

Control operations in the contaminated locations to minimize the quantity of contaminated water managed. Minimize the amount of open trenches, and construct diversion berms and implement other controls to minimize the infiltration of surface water into excavations in areas of known contamination. Maintain surface water controls until construction of utilities in the areas of contamination are complete. Allow contaminated water encountered, but not requiring removal as a standard course of construction, to remain in-place and do not manage according to this special provision.

If surface water infiltrates excavations and dewatering is required, water may be discharged to the surface if the water meets the requirements of the project dewatering permit and the applicable requirements of the Wisconsin Pollution Discharge Elimination System (WPDES) for contaminated groundwater from remedial action operations. This includes, but is not limited to, pretreatment of water in order to meet WPDES discharge requirements. Perform all necessary monitoring to document compliance with WPDES requirements. Furnish, install, operate, maintain, disassemble, and remove treatment equipment necessary to comply with WPDES requirements.

Ensure continuous dewatering and excavation safety at all times. Provide, operate, and maintain adequate pumping equipment, and drainage and disposal facilities. Notify the engineer of any dewatering activities, and obtain any permits necessary to discharge water. Provide copies of such permits to the engineer. Meet any requirements and pay any costs for obtaining and complying with such permit use. Follow all applicable legislative statutes, judiciary decisions, and regulations of the State of Wisconsin.

The environmental consultant may periodically evaluate water removed from the contaminated locations. Assist the environmental consultant in collecting water samples.

Water generated from dewatering activities within the contaminated locations may exceed the surface water discharge limits for compounds specified in the Wisconsin DNR's "General Permit to Discharge under the Wisconsin Pollutant Discharge Elimination System" for "Contaminated Groundwater from Remedial Action Operations" (WPDES Permit No. WI-0046566-5), Table 3.1.

If dewatering of groundwater is required in the contaminated locations, water shall be either containerized for disposal, treated, and discharged to surface, or upon approval of the municipality, discharged to the sanitary sewer. Pump contaminated water that exceeds surface water discharge limits, as determined by the environmental consultant, into either temporary holding tanks, a treatment system provided by the contractor, or upon approval of the municipality, discharged to the sanitary sewer, as necessary to complete construction. The contractor will coordinate holding tank mobilizations, waste characterization sampling of accumulated water, and transportation/disposal of contaminated water. The cost for holding tank mobilization, transportation, and contaminated water disposal shall be paid by the contractor. Management of contaminated groundwater shall be incidental to this item.

D Measurement

The department will measure Excavation, Hauling, and Reuse of Low-Level Contaminated Soil in cubic yards of low-level contaminated soil reused as documented by the engineer.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV. 0035.0105	Excavation, Hauling, and Reuse of Low-Level Contaminated Soil	CY

Payment is full compensation for excavating, segregating, loading, hauling, and placing of low-level petroleum- and metal- contaminated soil; obtaining solid waste collection and transportation service operating licenses; assisting in the collection of samples for field evaluation; and dewatering of soils prior to transport, if necessary.

9.10 Settlement Gauges and Monitoring, Item SPV.0060.0120.

A Description

A.1 General

This special provision describes furnishing and installation of settlement gauges as well as monitoring of settlement during construction of embankments. The purpose of the geotechnical instrumentation is to monitor ground movements after the placement of embankment fill for determining amount of settlement having taken place prior to next phase of fill placement or final paving.

Install the settlement gauges and collect the required settlement monitoring data as specified herein. The monitoring program required by this article does not relieve the contractor of responsibility for providing additional gauges or instrumentation and monitoring thereof, if, in the contractor's opinion, such additional gauges or instrumentation and monitoring are necessary to accomplish the work.

Instrumentation installed under this contract shall remain fully operational after all appreciable settlement ceases as determined by the engineer and notification of acceptance by the engineer, prior to final paving.

This article covers the work necessary to furnish and install geotechnical settlement gauges, maintaining installed gauges, taking initial and subsequent readings, and abandonment of the instruments.

A.2 Submittals

A.2.1 Prior to Installation

Submit the following specific information for information only, at least 30 days prior to the start of settlement gauge installation:

1. Submit qualifications and experience of instrumentation specialists and personnel.
2. Instrumentation shop drawings detailing locations, depths based on general information shown on the plans, type, details, and other pertinent information showing the installation details for each type of instrumentation required.
3. Description of methods for installing and protecting settlement gauges.
4. Schedule of instrument installation related to significant activities or milestones in the overall project.
5. Following installation of the settlement gauges and prior to the start of embankment construction, submit as-built shop drawings showing the exact installed location, the instrument identification number, the installation date and time, the plate and extension rod tip elevation and instrument length, and installed locations of control points and benchmarks associated with surveys for monitoring settlement gauges. Include details of installed gauges, accessories, and protective measures including all dimensions and materials used.
6. Manufacturer's literature describing installation, operation, and maintenance procedures for all gauges, materials, readout units, and accessories.
7. Installation logs for gauge installations prepared by the instrumentation specialist.
8. Additional geotechnical instrumentation installed at contractor’s discretion shall be considered incidental to this bid item.

A.2.2 After Installation

Submit the following specific information, for evaluation and acceptance by engineer:

1. All settlement gauge monitoring data.
2. Contractor shall submit documentation of gauge abandonment.

A.3 Locations

Install the settlement gauges at the base of the embankment, prior to the start of fill placement, as determined by the engineer at the following locations:

Location - Alignment	Station	Offset (ft) / Direction	Approximate Base Elevation	Estimated Settlement for Early Fill (in)	Estimated Total Settlement Prior to Paving (in)
NLA & NLAA	1592NLA+37	7.0 / LT	791	N/A	0.5 to 1.0
	1594NLA+40	4.0 / LT	791	N/A	2.5 to 3.0
NLB & NLBB	1588NLB+00	14.0 / LT	794	N/A	1.0 to 2.0
	1590NLB+00	19.0 / LT	794	N/A	2.5 to 3.5
NLC & NLCC	1589NLC+15	8.5 / RT	793	6.5 to 7.5	7.5 to 9.0
	1589NLC+80	15.0 / LT	793	5.0 to 6.0	6.0 to 7.0
NLD & NLDD	1592NLDD+67	23.0 / RT	792	8.0 to 8.5	9.0 to 10.0
	1594NLD+20	20.0 / RT	790	7.5 to 8.0	8.0 to 8.5
	1595NLD+90	42.0 / LT	796	0.5 to 1.0	5.5 to 6.0
	1597NLD+37	23.0 / RT	792	3.0 to 4.0	5.5 to 6.0

A.4 Quality Assurance

Notify the engineer at least 24 hours prior to all instrumentation installation operations so that the engineer may monitor the installation work. Notify the engineer when initial readings will be made, and the engineer may elect to participate or observe in taking initial readings.

Each settlement gauge shall be the product of an acceptable manufacturer currently engaged in manufacturing and installing settlement gauges as specified herein.

A.4.1 Personnel Qualification

Qualified technicians with a minimum of 2 years of experience in the installations of settlement gauges similar to those specified herein.

A licensed surveyor registered in the State of Wisconsin and have a minimum of 2 years of experience in the installation of geotechnical instrumentation similar to those specified herein.

A.4.2 Control Points

Surveys for monitoring geotechnical gauges shall be referenced to the same control points and benchmarks established for setting out the work. Control points shall be tied to benchmarks and other monuments outside of the zone of ground movements that might result from underground excavations or embankment placement.

A.4.3 Tolerances

Settlement gauges shall be installed within 2 feet of the horizontal locations and 1 foot of the vertical locations as indicated in this special provision, accepted shop drawings, or at the direction of the engineer.

Should actual field conditions prohibit installation at the locations and elevations indicated on the plans, prior acceptance shall be obtained from the engineer for new instrument locations and elevations.

Equipment for measuring settlement gauges shall have a horizontal and vertical tolerance of 1/8 inch or less.

A.4.4 Project Conditions

Provide the engineer and the department access to the instruments at all times.

All gauges shall be protected from accidental damage.

A.4.5 Monitoring Settlement Gauges

Monitoring shall be performed by the licensed surveyor and shall consist of taking initial survey (horizontal and vertical) of the settlement plate and subsequent survey of riser cap as fill embankment is placed. Take a minimum of two sets of initial readings. After initial readings are approved by the engineer, the average from the initial readings shall be used to establish the baseline reading.

Monitor settlement gauges as follows:

1. Initial survey reading of plate at 4 corners, top of riser cap, and adjacent ground surface. Subsequent survey of riser cap and adjacent ground surface.
2. Monitor 2 times per week, separated by a minimum of 3 calendar days between readings, during the applicable early fill or embankment construction stage. Additionally monitor after installing each new riser section.
3. Monitor once per week after early fill placement until the restart of embankment or retaining wall construction.
4. Monitor once per week after completion of embankment fill to finished subgrade and until termination of monitoring as agreed to with the engineer.

Monitoring shall be summarized in Excel format and access made available to the engineering throughout the monitoring period.

A.4.6 Acceptance

The engineer will evaluate the submittals. Within 7 calendar days after receipt of each submittal, the engineer will notify the contractor of submittal acceptance, or if additional information and/or changes are required. Resubmit the submittal with the required information and/or changes. The engineer will notify the contractor of resubmittal acceptance within 7 calendar days after its receipt.

After the submittal acceptance by the engineer, no changes to the submittal can be made without written consent of the engineer.

B Materials

B.1 Settlement Plates

A 0.5-inch thick steel plate, 24 inches square in size, placed upon a minimum of 1 inch thick mortar leveling course, and with a 1-1/2 inch steel riser pipe that is welded in position perpendicular to the plate at its center.

B.2 Risers

Sections of 1-1/2 inch diameter standard threaded galvanized steel riser pipe welded to the base plate and extended progressively upward at a vertical plumbness as embankment fill is placed and compacted. A 1-1/2 inch standard galvanized steel cap shall be attached to the threaded inner riser plate as a survey reference member, and progressively removed and extended upward as each new section of riser pipe and external sleeve are added due to fill.

B.3 Isolation Casing

Sections of 3-inch diameter standard threaded steel pipe or threaded PVC pipe sleeve initially placed with a 2-foot separation from the base plate and then extended progressively upward encompassing the 1-1/2 inch steel pipe with the internal annulus filled with grease to promote free sliding between sleeve and internal pipe. This sleeve is intended to be continuous to prevent embankment soils from contacting the internal riser pipe over the length of sleeve to the surface as progressive lifts of fill are placed.

C Construction

Install the settlement gauges at locations identified in Section A.3 of this article.

C.1 Installation and Protection

The bottom of the plate shall be placed level on the mortar pad and riser pipe shall be vertical. The elevation of the plate shall be determined, and the lengths and elevations of any added riser pipe(s) shall be accurately measured and recorded.

Position and weld the initial 1-1/2 inch diameter threaded galvanized steel riser pipe perpendicular to the steel settlement plate with a fillet weld. Place end cap at the top of the riser pipe for purposes as a survey reference point.

Place embankment fills as indicated to the elevations identified and shown in the plans/cross sections.

As soon as embankment soils achieve 2 feet of cover over the steel settlement plate, position a 3-inch diameter sleeve loosely around the smaller diameter riser pipe to isolate and protect the inner pipe for subsequent readings. Fill the inner annulus between steel pipe and outer sleeve with sufficient lubricant grease to prevent rust from occurring and resulting in binding of the inner pipe to the outer sleeve.

Progressively add both inner riser pipe and outer sleeve pipe in section increments of 5.0 feet (or other calibrated and measured increments) as embankment fill is continued to be placed, always transferring the end cap to the newest riser pipe top, and always obtaining new elevation readings at each time of extension addition. When the embankment reaches a level approximately 12 inches below the top of the riser, notify the engineer; the engineer may direct that an additional section of riser and cover be installed.

No embankment fill shall be placed around settlement gauges until the elevation of the top of the new riser section has been determined by the contractor's surveyor.

Embankment material in the vicinity of the riser pipe shall be compacted to specification requirements, taking precautions to keep alignment of the riser and the cover pipes vertical at all times.

Take all necessary precautions to ensure that the settlement gauges are not damaged, displaced, or misaligned. If a gauge is damaged, it shall immediately be repaired or replaced by the contractor at this/her own expense. Contractor to protect and maintain all settlement gauges installed as part of this contract.

All the settlement gauges installed under this contract will be maintained, protected, read, repaired, and replaced (if needed) or as directed by the engineer.

C.2 Abandonment

Abandon settlement gauges after evaluation of settlement data and notification of acceptance by the engineer.

Abandonment shall consist of removal of the top section of riser and isolation casing, and backfilling with granular material as directed by the engineer.

D Measurement

The department will measure Settlement Gauges and Monitoring as each unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0120	Settlement Gauges and Monitoring	EACH

Payment is full compensation for furnishing and placing settlement gauges; extending gauges as embankment placement progresses; protecting the gauges; repairing or replacing gauge; and monitoring.

9.11 Hauling and Disposal of Contaminated Material, Item SPV.0195.0101.

A Description

A.1 General

This special provision describes excavating, loading, hauling and disposing of contaminated material at a DNR approved facility or landfill. The closest DNR approved facilities or landfills are:

GFL Hickory Meadows Landfill
W3105 Schneider Road
Hilbert, WI 54129
(920) 853-8553

Outagamie County Recycling & Solid Waste Department
1919 Holland Road (Gate #3)
Appleton, WI 54911
(920) 832-5004

Perform this work conforming to standard spec 205 and Chapters NR 700-754 of the Wisconsin Administrative Code, as supplemented herein. Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport contaminated soil.

A.2 Notice to the Contractor – Contaminated Material Locations

The department completed testing for soil and groundwater contamination for locations within this project where excavation is required. Contaminated material such as soil and fly ash are potentially present at the following locations:

- Fly ash site – West Side of STH 15/I-41 Interchange: Station 99NLEB+30 to 107NLEB+00 from 95 feet left of reference line to 125 feet right of reference line.
- PVOC Contamination – Station 1586NLB+00 to 1588NLB+00, from reference line to 100 feet right of reference line from approximately 0 to 7.5 feet below ground surface (bgs).

Contaminated soils and/or groundwater and/or underground storage tanks (USTs) may be encountered at other locations within the construction limits. If contaminated soils and/or groundwater and/or USTs are encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer and the environmental consultant. Contaminated soil and/or groundwater at other locations shall be managed by the contractor under this contract. USTs will be removed by others.

For further information regarding previous investigation and remediation activities at these sites contact:

Name:	Dan Haak, P.E., TRC Environmental Corporation
Address:	999 Fourier Drive, Suite 101, Madison, WI 53717
Phone:	(608) 826-3628
Fax:	(608) 826-3941
E-mail:	dhaak@trccompanies.com

A.3 Coordination

Coordinate work under this contract with the environmental consultant:

Consultant:	TRC Environmental Corporation
Contact:	Dan Haak, P.E.
Address:	999 Fourier Drive, Suite 101, Madison, WI 53717
Phone:	(608) 826-3628
Fax:	(608) 826-3941
E-mail:	dhaak@trccompanies.com

The role of the environmental consultant will be limited to:

1. Determining the location and limits of contaminated material to be excavated based on soil analytical results from previous investigations, visual observations, and field screening of soil that is excavated;
2. Identifying contaminated materials to be hauled to the facility or landfill;
3. Documenting that activities associated with management of contaminated material are in conformance with the contaminated material management methods for this project as specified herein; and
4. Obtaining the necessary approvals for disposal of contaminated material from the facility or landfill.

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the areas of contamination to the environmental consultant. Also notify the environmental consultant at least 3 calendar days before beginning excavation activities in each of the contaminated areas.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation activities in the contaminated areas. Perform excavation work in each of the contaminated areas on a continuous basis until excavation work is completed.

Identify the DNR approved facility or landfill that will be used for disposal of contaminated materials and provide this information to the environmental consultant no later than 30 calendar days before beginning excavation activities in the contaminated areas or at the preconstruction conference, whichever comes first. The environmental consultant will be responsible for obtaining the necessary approvals for disposal of contaminated materials from the facility or landfill. Do not transport contaminated material offsite without prior approval from the environmental consultant.

A.4 Protection of Groundwater Monitoring Wells

Groundwater monitoring wells maybe present within the construction limits. If encountered, protect all groundwater monitoring wells to maintain their integrity. Adjust wells that do not conflict with utilities, structures, curb and gutter, etc. to be flush with the final grade. For wells that conflict with the previously mentioned items, notify the environmental consultant, and coordinate with the environmental consultant the abandonment or adjustment of the wells by others. The environmental consultant will provide maps indicating the locations of all known monitoring wells, if requested by the contractor.

Coordinate with the environmental consultant to ensure that the environmental consultant is present to abandon and/or document the location of the groundwater monitoring well during excavation activities.

A.5 Excavation Management Plan Approval

The excavation management plan for this project has been designed to minimize the off-site disposal of contaminated material. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR's concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding the investigations, including waste characterization within the project limits, contact Mae Sommerfeld with the department, at (920) 362-1704.

A.6 Health and Safety Requirements

Add the following to standard spec 107.1:

During excavation activities, expect to encounter contaminated materials such as petroleum-contaminated soil and fly ash. Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training that meets the Occupational Safety and Health Administration (OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

Prepare a site-specific Health and Safety Plan, and develop, delineate and enforce the health and safety exclusion zones for each contaminated site location as required by 29 CFR 1910.120. Submit the site-specific health and safety plan and written documentation of up-to-date OSHA training to the engineer before the start of work.

B (Vacant)

C Construction

Add the following to standard spec 205.3:

The environmental consultant will periodically examine excavated material during excavations in the areas of known contamination within the construction limits.

Control operations in the contaminated areas to minimize the quantity of contaminated materials excavated and to ensure that excavations do not extend beyond the minimum required to construct utilities and highway improvements unless expressly directed to do so by the engineer.

The environmental consultant will periodically evaluate materials excavated from the contaminated areas to determine if the material will require offsite disposal or can be beneficially re-used on-site at a maximum thickness of 4 feet under highway pavements, behind retaining walls, or in other consultant approved areas of the project with 2-feet thick low permeable clay soil cover, including 4 inches of topsoil and grass cover. The environmental consultant will evaluate excavated materials based on field screening results, visual observations, and soil analytical results from previous environmental investigations. Assist the environmental consultant in collecting soil samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 20 cubic yards excavated.

On the basis of the results of such field-screening, the material will be designated for disposal as follows:

- Excavation Common consisting of clean soil and/or clean construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, broken pavement, bricks, building stone, and unpainted or untreated wood), which under NR 500.08 are exempt materials.
- Materials with significant contamination be disposed at a WDNR-licensed landfill facility. Materials will be considered to have significant contamination if it exhibits significant odor, staining, and/or elevated PID readings (for example, PID readings greater than 10 ppm).
- Soil exhibiting low-level contamination based on visual assessment and field screening (for example, PID readings less than 10 ppm) will be considered suitable for reuse as backfill for the construction project. Excess low-level contaminated material that cannot be reused as backfill will also be disposed at a WDNR-licensed landfill facility.
- Potentially contaminated for temporary stockpiling and additional characterization prior to disposal.

Some material (i.e. solid waste, significantly impacted soil, or other materials) may require additional characterization prior to disposal. Provide for the temporary stockpiling of up to 200 cubic yards of contaminated material on-site that require additional characterization. Construct and maintain a temporary stockpile of the material according to NR 718.05(3), including, but not limited to, placement of the contaminated soil/fill material on an impervious, bermed area and covering the stockpile with impervious material to prevent infiltration of precipitation and/or contact with surface water runoff. The department's environmental consultant will collect representative samples of the stockpiled material, laboratory-analyze the samples, and advise the contractor, within 10 business days of the construction of the stockpile, of disposal requirements. The stockpiled material shall be disposed either at the WDNR-licensed disposal facility by the contractor or, if characterized as hazardous waste, by the department. As an alternative to temporarily stockpiling contaminated material that requires additional characterization, the contractor has the option of suspending excavation in those areas where such material is encountered until such time as characterization is completed.

Directly load and haul materials designated by the environmental consultant for off-site disposal to the DNR approved landfill facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of contaminated materials or residues. Prior to transport, sufficiently dewater soils designated for off-site disposal so as not to contain free liquids. Verify that the vehicles used to transport contaminated material are licensed for such activity according to applicable state and federal regulations.

When material is encountered outside the above-identified limits of known contamination that appears to contain waste materials or may be impacted with petroleum or chemical products, or when other obvious potentially contaminated materials are encountered or material exhibits characteristics of industrial-type wastes, such as fly ash, foundry sand, and cinders, or when underground storage tanks are encountered, suspend excavation in that area and notify the engineer and the environmental consultant.

Groundwater may be present within the construction limits. Water generated during dewatering operations (if necessary) is expected to be permitted to discharge to the surface except in the contaminated locations.

Control operations in the contaminated locations to minimize the quantity of contaminated water managed. Minimize the amount of open trenches, and construct diversion berms and implement other controls to minimize the infiltration of surface water into excavations in areas of known contamination. Maintain surface water controls until construction of utilities in the areas of contamination are complete. Allow contaminated water encountered, but not requiring removal as a standard course of construction, to remain in-place and do not manage according to this special provision.

If surface water infiltrates excavations and dewatering is required, water may be discharged to the surface if the water meets the requirements of the project dewatering permit and the applicable requirements of the Wisconsin Pollution Discharge Elimination System (WPDES) for contaminated groundwater from remedial action operations. This includes, but is not limited to, pretreatment of water in order to meet WPDES discharge requirements. Perform all necessary monitoring to document compliance with WPDES requirements. Furnish, install, operate, maintain, disassemble, and remove treatment equipment necessary to comply with WPDES requirements.

Ensure continuous dewatering and excavation safety at all times. Provide, operate, and maintain adequate pumping equipment, and drainage and disposal facilities. Notify the engineer of any dewatering activities, and obtain any permits necessary to discharge water. Provide copies of such permits to the engineer. Meet any requirements and pay any costs for obtaining and complying with such permit use. Follow all applicable legislative statutes, judiciary decisions, and regulations of the State of Wisconsin.

The environmental consultant may periodically evaluate water removed from the contaminated locations. Assist the environmental consultant in collecting water samples.

Water generated from dewatering activities within the contaminated locations may exceed the surface water discharge limits for compounds specified in the Wisconsin DNR's "General Permit to Discharge under the Wisconsin Pollutant Discharge Elimination System" for "Contaminated Groundwater from Remedial Action Operations" (WPDES Permit No. WI-0046566-5), Table 3.1.

If dewatering of groundwater is required in the contaminated locations, water shall be either containerized for disposal, treated, and discharged to surface, or upon approval of the municipality, discharged to the sanitary sewer. Pump contaminated water that exceeds surface water discharge limits, as determined by the environmental consultant, into either temporary holding tanks, a treatment system provided by the contractor, or upon approval of the municipality, discharged to the sanitary sewer, as necessary to complete construction. The contractor will coordinate holding tank mobilizations, waste characterization sampling of accumulated water, and transportation/disposal of contaminated water. The cost for holding tank mobilization, transportation, and contaminated water disposal shall be paid by the contractor. Management of contaminated groundwater shall be incidental to this item.

D Measurement

The department will measure Hauling and Disposal of Contaminated Material in tons of contaminated material, accepted by the facility or landfill as documented by weight tickets generated by the facility or landfill.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.0101	Hauling and Disposal of Contaminated Material	TON

Payment is full compensation for segregating, loading, hauling, and disposal of contaminated material; tipping fees including applicable taxes and surcharges; obtaining solid waste collection and transportation service operating licenses; assisting in the collection of samples for field evaluation; and dewatering of materials prior to transport, if necessary.

10. Bases, Subbases and Pavements.

10.1 Cold Patch, Item 495.1000.S.

A Description

This special provision describes furnishing cold patch and filling potholes and other voids in existing pavement surfaces as the engineer directs.

B Materials

Furnish a mixture of course aggregate, natural sand, and MC-250 bituminous material designed to have a workability range of 15-100º F without heating. Ensure that the mixture:

- Adheres to wet surfaces.
- Resists damage from water, salt, and deicing products.
- Requires no mixing or special handling before use.
- Supports traffic immediately after placement and compaction.

Conform to the following gradation:

SIEVE SIZE	PERCENT PASSING (by weight)
½-inch (12.5 mm)	100
3/8-inch (9.5 mm)	90 – 100
No. 4 (4.75 mm)	90 max
No. 8 (2.38 mm)	20 – 65
No. 200 (0.074 mm)	2 – 10
Bitumen	4.8 – 5.4

The department will accept cold patch based primarily on the engineer's visual inspection. The department may also test for gradation.

C Construction

Stockpile cold patch on site on a smooth, firm, well-drained area cleared of vegetation and foreign material. Cover the stockpile and ensure that it is easily accessible. Replenish the stockpile throughout the project duration but limit the size at any given time to 10 tons on site unless the engineer approves otherwise. Dispose of unused material at project completion unless the engineer directs otherwise.

Place cold patch by hand. Remove ponded water and loose debris before placement. Compact flush with a tamper, roller, or vehicle tire after placement.

Refill patched areas as necessary to maintain a flush pavement surface until project completion.

D Measurement

The department will measure Cold Patch by the ton, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
495.1000.S	Cold Patch	TON

Payment for Cold Patch is full compensation for providing and maintaining patches; for furnishing and replenishing stockpiled material on-site; and for disposing of excess material at project completion.

stp-495-010 (20160607)

10.2 HMA Longitudinal Joint Repair, Item SPV.0195.0100.

A Description

This special provision describes providing longitudinal joint repairs in HMA pavements. Conform to standard spec 204, 315, 455, and 460, and as follows.

B Materials

Furnish asphaltic mixture as specified for type 3 HT 58-28 H under standard spec 460.2.

Provide tack coat conforming to standard spec 455.2.5.

C Construction

C.1 General

Remove an area 1.5 to 3 feet wide and at least to the full depth of asphaltic pavement; the engineer will determine the repair length. Remove damaged concrete pavement discovered below the asphalt during this removal and replace with asphalt mixture.

Clean the existing exposed concrete pavement surface before placing tack coat.

Apply asphaltic materials the same day the joint is removed to prevent the entrance of water. Do not apply if weather or surface conditions are unfavorable or before impending rains.

Conform to standard spec 315.3.1 for placement of the HMA pavement.

Dispose of removed pavement and other waste materials outside of the project limits unless the engineer allows otherwise.

C.2 Maintenance

Maintain repaired joints during the contract. Remove and replace additional tack coat and HMA pavement if the engineer directs.

D Measurement

The department will measure HMA Longitudinal Joint Repair by the ton, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.0100	HMA Longitudinal Joint Repair	TON

Payment is full compensation for providing the joint repair including removing the existing asphaltic surface and damaged concrete; for tack coat and asphaltic pavement mixture; and for maintaining the repair during the contract.

10.3 HMA Transverse Joint Repair, Item SPV.0195.0105.

A Description

This special provision describes providing transverse joint repairs in HMA pavements at bridges. Conform to standard spec 204, 315, 455, and 460, and as follows.

B Materials

Furnish asphaltic mixture as specified for type 3 MT 58-28 S under standard spec 460.2. Provide tack coat conforming to standard spec 455.2.5.

C Construction

C.1 General

Remove an area two feet wide and at least to the full depth of asphaltic pavement; the engineer will determine the repair length. Remove damaged concrete pavement discovered below the asphalt during this removal, and replace with asphalt mixture.

Clean the existing exposed concrete pavement surface before placing tack coat.

Apply asphaltic materials the same day the joint is removed to prevent the entrance of water. Do not apply if weather or surface conditions are unfavorable or before impending rains.

Conform to standard spec 315.3.1 for placement of the HMA pavement.

Dispose of removed pavement and other waste materials outside of the project limits unless the engineer allows otherwise.

C.2 Maintenance

Maintain repaired joints during the contract. Remove and replace additional tack coat and HMA pavement if the engineer directs.

D Measurement

The department will measure HMA Transverse Joint Repair by the ton, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.0105	HMA Transverse Joint Repair	TON

Payment is full compensation for providing the joint repair including removing the existing asphaltic surface and damaged concrete; for tack coat and asphaltic pavement mixture; and for maintaining the repair during the contract.

11. Bridges.

11.1 Notice to Contractor, Notification of Demolition and/or Renovation No Asbestos Found.

John Roelke, License Number AII-119523, inspected Structure B-44-0024, B-44-0177 and B-44-0178 for asbestos on 12/16/2020. No Regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is included with the bid package or available from Tim Verhagen, (920) 362-1267, Timothy.Verhagen@dot.wi.gov.

According to NR447 and DHS159, ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 03/20), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days before beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to Tim Verhagen, (920) 362-1267, Timothy.Verhagen@dot.wi.gov and via e-mail to dothazmatunit@dot.wi.gov or via U.S. mail to DOT BTS-ESS attn: Hazardous Materials Specialist, 5 South S.513.12, PO Box 7965, Madison, WI 53707-7965. In addition, comply with all local or municipal asbestos requirements.

Use the following information to complete WisDNR form 4500-113:

- Site Name: Structure B-44-0024, Capitol Drive over IH 41
- Site Address: 441741.73, 882749.77, Town of Grand Chute
- Ownership Information: WisDOT Northeast Region, 944 Vanderperren Way, Green Bay, WI, 54304
- Contact: Tim Verhagen
- Phone: (920) 362-1267
- Age: 64 years old. This structure was constructed in 1960.
- Area: 8,230 SF of deck

- Site Name: Structure B-44-0177, STH 15 EB over IH 41
- Site Address: 441716.59, 882759.93, Town of Grand Chute
- Ownership Information: WisDOT Northeast Region, 944 Vanderperren Way, Green Bay, WI, 54304
- Contact: Tim Verhagen
- Phone: (920) 362-1267
- Age: 27 years old. This structure was constructed in 1997.
- Area: 10,430 SF of deck

- Site Name: Structure B-44-0178, STH 15 WB over IH 41
- Site Address: 441717.60, 882757.07, Town of Grand Chute
- Ownership Information: WisDOT Northeast Region, 944 Vanderperren Way, Green Bay, WI, 54304
- Contact: Tim Verhagen
- Phone: (920) 362-1267
- Age: 27 years old. This structure was constructed in 1997.
- Area: 7,976 SF of deck

Insert the following paragraph in Section 6.g.:

If asbestos not previously identified is found or previously non-friable asbestos becomes crumbled, pulverized, or reduced to a powder, stop work immediately, notify the engineer, and the engineer will notify the department's Bureau of Technical Services at (608) 266-1476 for an emergency response as specified in standard spec 107.24. Keep material wet until it is abated or until it is determined to be non-asbestos containing material.

stp-107-125 (20220628)

11.2 Ice Hot Weather Concreting, Item 501.1000.S.

Conform to standard spec 501.3.8.2 except the department will pay for ice at the contract unit price under the Ice Hot Weather Concreting bid item. This special provision only applies to work done under the following contract bid items:

Concrete Masonry Bridges	Concrete Masonry Retaining Walls
Concrete Masonry Bridges HES	Concrete Masonry Retaining Walls HES
Concrete Masonry Culverts	Concrete Masonry Endwalls
Concrete Masonry Culverts HES	Concrete Masonry Overlay Decks
Concrete Barrier Single-Faced 32-Inch	Concrete Barrier (type)
Concrete Barrier Double-Faced 32-Inch	Concrete Barrier Fixed Object Protection (type)
Concrete Barrier Transition Section 32-Inch	Concrete Barrier Transition (type)

Replace standard spec 501.4 and 501.5 with the following:

501.4 Measurement

(1) The department will measure Ice Hot Weather Concreting by the pound, acceptably completed, measured only if the conditions prescribed in standard spec 501.3.8.2 are met.

501.5 Payment

(1) The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
501.1000.S	Ice Hot Weather Concreting	LB

(2) Payment for Ice Hot Weather Concreting is full compensation for ice used to cool concrete placed in hot weather as specified in standard spec 501.3.8.2.

(3) The department will not pay directly for the concrete specified under this section. Concrete is incidental to the various bid items using it. Payment under those bid items includes providing all materials, including aggregates and associated aggregate source testing, cement, fly ash, slag, and admixtures; and for preparing, transporting, storing, protecting and curing concrete.

(4) If required to remove and replace any concrete damaged by lack of proper protection. Perform this work at no expense to the department.

stp-501-010 (20210708)

11.3 Bar Steel Reinforcement HS Stainless Structures, Item 505.0800.S.

A Description

This special provision describes furnishing and placing stainless steel reinforcing bars and associated stainless steel bar couplers.

Conform to standard spec 505 as modified in this special provision.

B Materials

B.1 General

Furnish stainless steel reinforcing bars conforming to ASTM A955 and to one of the following Unified Numbering System (UNS) designations: S31653, S31803, S32205, or S32304. Supply grade 60 bars, all of the same UNS designation. Conform to the chemical composition specified for the given UNS designation in ASTM A276 table 1.

Supply bars that are free of dirt, mill scale, oil, and debris by pickling to a bright or uniform light finish. The department may reject bars displaying rust/oxidation, questionable blemishes, or lack of a bright or uniform pickled surface.

Furnish chairs or continuous supports made of stainless steel or recycled plastic to support high-strength stainless bar steel reinforcement subject to the plastic chair restriction stated in standard spec 505.3.4(1).

Furnish couplers made from one of the UNS alloys allowed for bar steel.

Furnish tie wire made from one of the UNS alloys allowed for bar steel or from an engineer-approved plastic or nonmetallic material. Ensure that stainless steel tie wire is dead soft annealed.

B.2 Fabrication

Before fabrication, supply test results from an independent testing agency certifying that the reinforcement meets the requirements of Annex A1 of ASTM A955.

Bend bars conforming to standard spec 505.3.2 and according to ASTM A955. Bend and cut bars using equipment thoroughly cleaned or otherwise modified to prevent contamination from carbon steel or other contaminants. Use tools dedicated solely to working with stainless steel.

B.3 Control of Material

Identify reinforcement bars delivered to the project site with tags bearing the identification symbols used in the plans. Include the UNS designation, heat treat condition, heat number, grade corresponding to minimum yield strength level, and sufficient documentation to track each bar bundle to a mill test report.

Provide samples for department testing and acceptance according to CMM 8-50 Exhibit 1 requirements for concrete masonry reinforcement for uncoated bar steel.

Provide mill test reports for the project that do the following:

1. Verify that sampling and testing procedures and test results conform to ASTM A955, ASTM A276 table 1, and these contract requirements.
2. Include a chemical analysis with the UNS designation, heat lot identification, and the source of the metal.
3. Include tensile strength, yield strength, and elongation tests results conforming to ASTM A955 for each size furnished.
4. Certify that the bars have been pickled to a bright or uniform light finish.

C Construction

C.1 General

Ship, handle, store, and place the stainless steel reinforcing as follows:

1. Separate from regular reinforcement during shipping. Pad points of contact with steel chains or banding, or secure with non-metallic straps.
2. Store on wooden cribbing separated from regular reinforcement. Cover with tarpaulins if stored outside.
3. Handle with non-metallic slings.
4. Do not flame cut or weld. Protect from contamination when cutting, grinding, or welding other steel products above or near the stainless steel during construction.
5. Place on plastic or stainless steel bar chairs. If placing stainless steel chairs on steel beams, use chairs with plastic-coated feet.
6. Tie with stainless steel wire or an engineer-approved plastic or nonmetallic material.

Do not tie stainless steel reinforcing bars to, or allow contact with, uncoated reinforcing bars or galvanized steel. Maintain at least 1 inch clearance between stainless steel bars or dowels and uncoated or galvanized steel. Where 1 inch clearance is not possible, sleeve bars with a continuous polyethylene or nylon tube at least 1/8 inch thick extending at least 1 inch in each direction and bind with nylon or polypropylene cable ties. Sleeves are not required between stainless steel bars and shear studs. Stainless steel bars can be in direct contact with undamaged epoxy-coated bars.

Cut flush with the top flange or remove uncoated fasteners, anchors, lifting loops, or other protrusions into a bridge deck before casting the deck on prestressed concrete beams.

C.2 Splices

Splice as the plans show. Provide stainless steel couplers conforming to the minimum capacity, certification, proof testing, and written approval requirements of standard spec 550.3.3.4. The contractor may substitute stainless steel couplers for lap slices the plans show if the engineer approves in writing.

If increasing or altering the number or type of bar splices the plans show, provide revised plan sheets to the engineer showing the reinforcement layout, type, length, and location of revised bar splices and revised bar lengths. Obtain engineer approval for the location of new lap splices or substitution of mechanical bar couplers before fabrication. Ensure that new lap splices are at least as long as those the plans show.

D Measurement

The department will measure Bar Steel Reinforcement HS Stainless Structures by the pound, acceptably completed, computed from the nominal weights of corresponding sizes for carbon steel deformed bars in AASHTO M31 regardless of stainless steel alloy provided. The department will not measure extra material used if the contractor alters the reinforcement layout as allowed under C.2, extra material for splices or couplers the plans do not show, or the weight of devices used to support or fasten the steel in position.

The department will measure the Bar Couplers Stainless bid items as each individual coupler, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	LB

Payment for Bar Steel Reinforcement HS Stainless Structures is full compensation for furnishing and placing stainless steel reinforcing bars, including supports. Where the plans specify bar couplers, the department will pay for the length of bars as detailed with no deduction or increase for installation of the coupler.

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11.4 HPC Masonry Structures, Item SPV.0035.0800.

A Description

This special provision describes specialized material and construction requirements for high-performance concrete used in bridge structures. Conform to standard spec 501, 502 and 509, as modified in this special provision. Conform to standard spec 715 for QMP Concrete Pavement, Cast-in-Place Barrier and Structures.

B Materials

501.2.7.3 Coarse Aggregates

Replace the entire text of 501.2..3.1 with the following:

501.2.7.3.1 General

(1) Provide coarse aggregates from a department-approved source. Use an approved source listed on the APL or follow the source approval process specified in standard spec 106.3.4.2. In addition to the requirements of standard spec 106.3.4.2, perform tests for LA wear, sodium sulfate soundness, freeze-thaw soundness and lightweight pieces at least once per calendar year when producing coarse aggregates for use in high-performance concrete mixes.

(2) Use clean, hard, durable crushed limestone or crushed gravel with 100 percent fractured surfaces and free of excess flat and elongated pieces, lightweight particles, frozen lumps, vegetation, deleterious substances or adherent coatings considered injurious.

(3) Use virgin aggregates only.

(4) Contact the engineer a minimum of 4 weeks prior to paving to collect a sample of the aggregates proposed for the project. The engineer will obtain the sample or observe the contractor obtaining the sample. The sampler must be HTCP certified to sample aggregates.

(5) The department test results will be used for aggregate acceptance.

(6) The department will randomly sample coarse aggregate for lightweight pieces testing at least once per 10,000 cubic yards during placement of concrete masonry structures.

501.2.7.3.2 Physical Properties

Replace standard spec 501.2.7.3.2.1 paragraph one with the following:

(1) Furnish coarse aggregates approved for use in concrete masonry structures and conforming to the following:

Aggregate Quality Test	Test Method	Maximum Percent by Weight
LA Wear (100 and 500 revolutions) [1]	AASHTO T96 WTM	40
Sodium Sulfate Soundness (R-4, 5 cycles) [1]	AASHTO T104 WTM	6
Freeze-Thaw Soundness[1]	AASHTO T103 WTM	12
Lightweight Pieces[1] [2]	AASHTO T113 WTM	2.0

[1] Coarse aggregate sizes No. 1 and No. 2 as defined in 501.2.7.4.2 will be tested individually and the results weighted by the blend percentage listed in the mix design.

[2] Material having a bulk specific gravity (saturated surface-dry basis) of less than 2.45. Determine the percentage of lightweight pieces in the sample retained on the 3/8-inch sieve by the weight of the total sample.

501.2.7.3.3 Deleterious Substances

Replace 501.2.7.3.3 paragraph one with the following:

(1) The quantity of deleterious substances must not exceed the following percentages:

DELETERIOUS SUBSTANCE	PERCENT BY WEIGHT
Shale	1.0
Coal	1.0
Clay lumps	0.3
Soft fragments	5.0
Any combination of above	5.0
Flat or elongated pieces based on a 3:1 ratio[1]	15.0
Materials passing the No. 200 sieve	1.5

[1] According to ASTM D4791 WTM

501.2.8 Concrete Curing Materials

Replace entire text with the following:

(1) Furnish burlap conforming to AASHTO M 182, class 1, 2, 3 or 4.

C Construction

501.3.2.4.3.3 Extended Delivery Time

Delete standard spec 501.3.2.4.3.3 paragraph one.

501.3.5 Ready-Mixed Concrete

Replace standard spec 501.3.5.1 paragraph one with the following:

(1) Use central-mixed concrete as defined in standard spec 501.3.5.1(2) for all work performed under this special provision.

501.3.5.2 Delivery

Replace standard spec 501.3.5.2 paragraph three with the following:

(3) Deliver and completely discharge all concrete within one hour beginning when adding water to the cement, or when adding cement to the aggregates. A decrease in air temperature below 60 F or the use of department-approved retarders does not increase the discharge time.

501.3.7.1 Slump

Replace the entire text with the following:

(1) Use a 2-inch to 4-inch slump

(2) Perform slump tests for concrete according to AASHTO T119 WTM.

501.3.8.2 Hot Weather Concreting

Replace the entire text of standard spec 501.3.8.2.1 (1) and (2) with the following:

501.3.8.2.1 General

(1) The contractor is responsible for the quality of concrete placed in hot weather. Submit a written temperature control plan at or before the pre-pour meeting. In that plan, outline the actions to control concrete temperature if the concrete temperature at the point of placement exceeds 80° F. Do not place concrete without the engineer's written acceptance of that temperature control plan. Perform the work as outlined in the temperature control plan.

(2) If the concrete temperature at the point of placement exceeds 80 F, do not place concrete for items covered in this special provision.

(3) The department will pay $0.75 per pound for the quantity of ice required to reach a target concrete temperature of 75° F if the following conditions are met:

1. The un-iced concrete temperature exceeds 80 F.
2. The contractor has performed the actions outlined in the contractor's accepted temperature control plan.
3. The contractor elects to use ice.

(4) Notify the engineer whenever conditions exist that might cause the temperature at the point of placement to exceed 80° F. If project information is not available, the contractor should obtain information from similar mixes placed for other nearby work.

501.3.8.2.2 Bridge Decks

Replace the entire text with the following:

(1) Do not place concrete for bridge decks when the air temperature is above 80 F.

(2) For concrete placed in bridge decks, submit a written evaporation control plan at each pre-pour meeting. In that plan, outline the actions to maintain concrete surface evaporation at or below 0.15 pounds per square foot per hour. Do not place concrete for bridge decks without the engineer's written acceptance of that evaporation control plan. If the engineer accepts an evaporation control plan calling for ice, the department will pay $0.75 per pound for that ice. Perform the work as outlined in the evaporation control plan.

(3) If predicting a concrete surface moisture evaporation rate exceeding 0.15 pounds per square foot per hour, do not place concrete for bridge decks.

(4) Provide evaporation rate predictions to the engineer 24 hours before each bridge deck pour.

(5) Compute the evaporation rate from the predicted ambient conditions at the time and place of the pour using the nomograph, or computerized equivalent, specified in CMM 525, figure 1 or using a computerized equivalent. Use weather information from the nearest national weather service station. The engineer will use this information to determine if the pour will proceed as scheduled.

(6) At least 8 hours before each pour, the engineer will inform the contractor in writing whether to proceed with the pour as scheduled. If the actual computed evaporation rate during the pour exceeds 0.15 pounds per square foot per hour, at the engineer's discretion, the contractor may be allowed to implement immediate corrective action and complete the pour.

502.3.5.4 Superstructures

Delete standard spec 502.3.5.4 paragrah five.

502.3.7.8 Floors

Replace standard spec 502.3.7.8 paragraph five with the following:

(5) Set the rails or tracks that the finish machine rides on, to the required elevation; and ensure they adjust to allow for settlement under load. Support the rails or tracks outside the limits of the finished riding surface. Do not support rails or tracks on the tops of girders, or within the finished riding surface, without the engineer's written permission.

Delete standard spec 502.3.7.8 paragraph thirteen, fourteen, and fifteen.

Add the following to standard spec 501.3.7.8:

(19) Do not place bridge deck concrete more than 10 feet ahead of the finishing machine. If there is a delay of more than 10 minutes during the placement of a bridge deck, cover all concrete (unfinished and finished) with wet burlap to protect the concrete from evaporation until placement operations resume.

(20) Keep hand finishing, except for the edge of deck, to a minimum. Equip the finishing machine with a pan behind the screed. Apply micro texture using a broom or turf drag following the use of a 10-foot straight edge. Only finish by hand as necessary to close up finished concrete. Begin wet curing the deck within a timeframe acceptable to the engineer following the micro texture.

(21) For bridge decks with a design speed of 40 mph or greater, provide longitudinal grooving according to the provision included in this contract.

502.3.8 Curing

Replace standard spec 502.3.8.1 (1) with the following:

(1) Maintain adequate moisture throughout the concrete mass to support hydration for at least 14 days.

502.3.8.2 Curing Requirements

Replace entire text of standard spec 502.3.8.2.1 with the following:

502.3.8.2.1 General

(1) Wet-cure the concrete for bridge decks, structural approach slabs, sidewalks on bridges and raised medians on bridges for 14 days by use of a soaker hose system, or other engineer-approved methods. Cover the finished surface of bridge decks and overlays with one layer of wetted burlap or wetted cotton mats within 10 minutes after the finishing machine has passed. Apply the burlap/cotton gently to minimize marking of the fresh concrete. Keep the first layer of burlap/cotton continuously wet until the bridge deck or overlay is sufficiently hard to apply a second layer of wetted burlap/cotton. Immediately after applying the second layer of burlap/cotton, continue to keep the deck wet until placing and activating the soaker hose system. Throughout the remainder of the curing period, keep the burlap/cotton continuously wet with soaker hoses hooked up to a continuous water source. Inspect the burlap/cotton twice daily to ensure the entire surface is moist. If necessary, alter the soaker hose system as needed to ensure the entire surface is covered and stays moist. After 48 hours from the time of completion of the bridge deck or overlay pour, the soaker hose system and burlap/cotton may be covered with polyethylene sheeting. Provide a continuous flow of water through the soaker hose system for the entire curing period.

(2) Do not uncover any portion of the deck at any time for any reason during the first 7 days of the curing period.

(3) Set up and test the fogging system before each bridge deck, structural approach slab, bridge mounted sidewalk or bridge mounted raised median pour. Keep the fogging system set up and operational during the pour.

502.3.8.2.3 Decks

Delete the entire text.

502.3.8.2.4 Parapets

Replace the entire text with the following:

(1) Cure the inside and outside concrete faces and tops of railings or parapets by covering with wetted burlap immediately after form removal and surface finish application. Keep the burlap thoroughly wet for at least 7 days; or by covering for the same period with thoroughly wet polyethylene-coated burlap conforming to standard spec 501.2.8.

(2) Secure coverings along all edges to prevent moisture loss.

502.3.9 Cold Weather Protection

Replace the entire text of standard spec 502.3.9.6 with the following:

502.3.9.6 Bridge Decks

(1) Protect concrete in bridge decks as specified for structural masonry, and except for parapets and similar pours, according to the following requirements:

1. Do not place concrete for bridge decs or other superstructure elements when the national weather service forecast for the construction area predicts temperatures to fall below 32 F within 24 hours, unless the engineer specifically allows or requires in writing.
2. Protect the underside of the deck, including the girders, for bridge deck and overlay pours by housing and heating when the national weather service forecast predicts temperatures to fall below 32 F during the cold weather protection period. Maintain a minimum temperature of 40 F in the enclosed area under the deck for the entire 14-day curing period.

D (Vacant)

E Payment

Replace standard spec 502.5.1 paragraph one with the following:

502.5.1 General

(1) The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.0800	HPC Masonry Structures	CY

710.5 Sampling and Testing

Supplement standard spec 710.5 with the following:

710.5.8 Chloride Penetration Resistance

(1) For each new or changed mix design, measure chloride penetration resistance according to AASHTO T277 at a frequency of 1 test per 3 months (quarterly) of production.

(2) Strip permeability samples from molds and wet cure according to AASHTO T277 Accelerated Moist Curing. Upon completion of the curing process, obtain one sample from each cylinder and test according to AASHTO T277.

(3) Ensure that the initial accepted mix designs meet the chloride penetration resistance limit of 1500 coulombs based on AASHTO T277. Quarterly chloride resistance test results exceeding 1500 coulombs, the department will require adjustment of the concrete mix going forward to improve the chloride penetration resistance.

715.2.2 Class I Concrete Mixes

Supplement standard spec 715.2.2.2 with the following:

715.2.2.2 Structures

(5) Provide a mix design using optimized aggregate gradation and a cementitious content within the range of 470 to 540 pounds per cubic yard. For all superstructure and substructure concrete, unless the engineer approves otherwise in writing, concrete mixtures must use an IL, IP, IS, or IT blended cement.

(6) In addition to the standard spec mix design laboratory trial batching for structures, include the results of the following tests:

1. AASHTO T119 Slump of Hydraulic Cement Concrete.
2. AASHTO T277 Rapid Determination of the Chloride Permeability of Concrete, using the modified curing procedure according to 710.5.8 in this special provision.

(7) Provide concrete with a 28-day compressive strength that equals or exceeds the following:

- If the contract specifies f'c, then f'c.
- If the contract does not specify f'c, then 4000 psi.

(8) Provide concrete with a maximum chloride penetration resistance of 1500 coulombs at 28-days.

BTS-715-005 (20230703)

11.5 Fence Chain Link Polymer-Coated 6-FT B-44-315, Item SPV.0090.0801; Fence Chain Link Polymer-Coated 6-FT B-44-316, Item SPV.0090.0802; Fence Chain Link Polymer-Coated 6-FT B-44-317, Item SPV.0090.0803; Fence Chain Link Polymer-Coated 6-FT R-44-30, Item SPV.0090.0900; Fence Chain Link Polymer-Coated 6-FT R-44-31, Item SPV.0090.0901; Fence Chain Link Polymer-Coated 6-FT R-44-32, Item SPV.0090.0902; Fence Chain Link Polymer-Coated 8-FT R-44-33, Item SPV.0090.0903.

A Description

This special provision describes furnishing and installing a new polymer-coated fence system on structures in conforming to the pertinent plan details and as directed by the engineer. The color of all components in this fence system shall be the same and shall be as specified on the plans.

B Materials

All materials for this fence system shall be new stock, free from defects impairing strength, durability, and appearance. Fabric shall be produced by methods recognized as good commercial practice. Wire used in the manufacture of the fabric shall be capable of being woven into fabric without the polymer-coating cracking or peeling. Pipes used in framework shall be straight, true to section and free of defects. All burrs at the ends of pipes shall be removed before galvanizing. The polymer-coating shall be a dense

impervious covering, applied without voids, tears or cuts that reveal the substrate. Excessive roughness, bubbles, blisters and flaking in the polymer-coating will be a basis for rejection.

B.1 Fabric

Provide steel chain link fence fabric conforming to the requirements of ASTM F668, Class 2b, a polymer-coating fused and adhered to wire that is zinc-coated. Provide fabric woven from 9-gage wire using plan specified mesh size, diamond pattern, with both the top and bottom selvages knuckled. The minimum breaking strength of the wire shall be 1290 lbs. The color of polymer-coating shall conform to the requirements of ASTM F934.

B.2 Framework

Provide steel rails, posts and post sleeves conforming to the requirements of ASTM F1083, Standard Weight Pipe (Schedule 40) of the size (O.D.) and weight as shown on the plans. The minimum yield strength shall be 30,000 psi and the minimum tensile strength shall be 48,000 psi. These components shall be zinc-coated inside and outside by the hot-dip process as stated in ASTM F1083. Provide polymer-coating over zinc-coating conforming to ASTM F1043. The color of polymer-coating shall conform to the requirements of ASTM F934 and match the color of the other fence components. Weld base plate to posts or post sleeves and complete any additional welding of components before galvanizing.

B.3 Fittings

Provide end post caps, line post caps, top rail sleeves, rail ends, line rail clamps, brace bands, tension bands, tension bars, and tie wires that are steel and conform to the requirements of ASTM F626. Tie wires shall be round and 9-gage wire. These components (excluding tie wires) shall be zinc-coated by the hot-dip process as stated in ASTM F626. Provide polymer-coating over zinc-coating on components (excluding tie wires) that conforms to the requirements of ASTM F626. For tie wires, provide polymer-coating on wire that is zinc-coated using the same procedure as used for the wires in the fence fabric. End post caps and line post caps shall fit tightly over posts to prevent moisture intrusion. Supply dome style caps for end posts and loop type caps for line posts. The color of polymer-coating shall conform to the requirements of ASTM F934 and match the color of the other fence components.

B.4 Bolts

All bolts are to be supplied with lock washers and nuts. Use galvanized steel bolts, nuts and washers per plan details.

B.5 Tests

B.5.1 Fabric and Tie Wire

Breaking Strength: ASTM A370

Zinc-Coating Requirements

Weight of Zinc-Coating: ASTM A90

Polymer-Coating Requirements

Thickness of Polymer-Coating: ASTM F668

Adhesion: ASTM F668

Accelerated Aging Test: ASTM F668, D1499

Mandrel Bend Test: ASTM F668

B.5.2 Framework

Tensile and Yield Strength: ASTM E8

Zinc-Coating Requirements

Weight of Zinc-Coating: ASTM A90

Polymer-Coating Requirements

Thickness of Polymer-Coating: ASTM E376

Adhesion: ASTM F1043

Accelerated Aging Test: ASTM F1043, D1499

B.5.3 Fittings

Zinc-Coating Requirements

Weight of Zinc-Coating:	ASTM A90	

Polymer-Coating Requirements

Thickness of Polymer-Coating:	ASTM F626	
Adhesion:	ASTM F1043	(same test as for framework)
Accelerated Aging Test:	ASTM F1043, D1499	(same test as for framework)

B.6 Submittals

In addition to the engineer, send submittals listed in this section to the name below for informational purposes:

David Nelson
WisDOT (Bureau of Structures)
4822 Madison Yards Way
Madison, WI 53705

B.6.1 Shop Drawings

Submit shop drawings showing the details of fence construction. Show the fence height, post spacing, rail location, and all dimensions necessary for the construction of the chain link fence. Label the end posts, line posts, rails, post sleeves, top rail sleeves, bolts and fittings. State the polymer-coating type used on the fabric, framework and fittings and the Class of coating used on the fabric. State the color of polymer-coating to be used on the fence components. For the fabric, state the wire gage, mesh size, and type of selvages used. For the framework, state the size (O.D.) and unit weight for the posts and rails. For the fittings, state the size for top rail sleeves, brace bands, tension bands, tension bars, line rail clamps, size and type of bolts, and the tie wire gage. State the material type used for fabric, framework, and fittings. Also give the breaking strength for the fabric wire and the tensile and yield strength properties for the framework.

B.6.2 Specification Compliance

Submit certification of compliance with material specifications. Provide material certification and test documentation for fabric, framework, fittings and hardware that shows that all materials meet or exceed the specifications of this contract and the tests in section B5 of this specification. This document shall provide the name, address and phone number of the manufacturer, and the name of a contact person.

C Construction

C.1 Delivery, Storage and Handling

Deliver material to the site in an undamaged condition. Upon receipt at the job site, all materials shall be thoroughly inspected to ensure that no damage occurred during shipping or handling, and condition of materials is in conformance with these specifications. If polymer-coating is damaged, Contractor shall repair or replace components as necessary to the approval of the engineer at no additional cost to the Owner. Carefully store material off the ground to ensure proper ventilation and drainage and to provide protection against damage caused by ground moisture. Handle all polymer-coated material with care.

C.2 Touch-up and Repair

For minor damage caused by shipping, handling or installation to polymer-coated surfaces, touch-up the finish conforming to the manufacturer’s recommendations. Provide touch-up coating such that repairs are not visible from a distance of 6-feet. If damage is beyond repair, the fencing component shall be replaced at no additional cost to the Owner. The contractor shall provide the engineer with a copy of the manufacturer’s recommended repair procedure and materials before repairing damaged coatings.

C.3 General

Install the chain link fence conforming to ASTM F567 and the manufacturer’s instructions. The contractor shall provide staff that is thoroughly familiar with the type of construction involved and materials and techniques specified. Chain link fabric shall be installed on the side of the posts indicated on the plans. Fabric shall be attached to the end posts with tension bars and tension bands. It shall be attached to rails, and posts without tension bands, with tie wires. The fabric shall be installed and pulled taut to provide a smooth and uniform appearance free from sag, without permanently distorting the fabric diamond or reducing the fabric height. Install top rail to pass through line post caps and form a continuous brace

between end posts. Minimum length of top rail between splices shall be 20-feet. Splice top rail at joints with sleeves for a rigid connection. Locate splices near 1/4-point of post spacing. Heads of bolts shall be on the side of the fence adjacent to pedestrian traffic.

D Measurement

The department will measure Fence Chain Link Polymer-Coated X-Ft. by the linear foot, acceptably furnished and installed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.0801	Fence Chain Link Polymer-Coated 6-FT B-44-315	LF
SPV.0090.0802	Fence Chain Link Polymer-Coated 6-FT B-44-316	LF
SPV.0090.0803	Fence Chain Link Polymer-Coated 6-FT B-44-317	LF
SPV.0090.0900	Fence Chain Link Polymer-Coated 6-FT R-44-30	LF
SPV.0090.0901	Fence Chain Link Polymer-Coated 6-FT R-44-31	LF
SPV.0090.0902	Fence Chain Link Polymer-Coated 6-FT R-44-32	LF
SPV.0090.0903	Fence Chain Link Polymer-Coated 8-FT R-44-33	LF

Payment is full compensation for fabricating, galvanizing and polymer-coating all fence components, and transporting to jobsite; and for erecting components to create a polymer-coated fence system, including any touch-up and repairs.

(BOS SPV 05/2023)

11.6 PVC Pipe Sleeve, Item SPV.0090.0804.

A Description

This special provision describes furnishing and installing 3-inch PVC Pipe Sleeve conduit through the structure slope paving according to the requirements of standard spec 652, the plans, standard detail drawings, and as hereinafter provided.

B Materials

According to the plans and standard spec 652.2.3.

C Construction

According to the plans, standard spec 652.3, and as hereinafter provided.

Coordinate pipe sleeve depth with the electrical contractor to ensure compatibility with the conduit routing as required for the installation.

Field measure and cut pipe sleeve lengths as necessary for sufficient passage through concrete slope paving.

D Measurement

The department will measure PVC Pipe Sleeve item by the linear foot of conduit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.0804	PVC Pipe Sleeve	LF

Payment for the PVC Pipe Sleeve bid item is full compensation for furnishing and installing the conduit; for field measuring and coordinating installation with the electrical contractor; for making inspections.

11.7 Longitudinal Grooving Bridge Deck, Item SPV.0165.0800.

A Description

This special provision describes providing longitudinal deck grooves parallel to the centerline of the roadway prior to opening the bridge to traffic as directed by the engineer.

B Materials

Use a grooving machine containing blades mounted on a multi-blade arbor on a self-propelled machine built for grooving hardened concrete surfaces.

Use a grooving machine with a depth control device that detects variations in the deck surface and adjusts the cutting head height to maintain a specified depth of groove.

Equip the grooving machine with a guide device to control multi-pass alignment.

C Construction

Groove the pavement longitudinally without damaging the concrete deck surface.

Complete a longitudinal grooving operation that results in a uniformly grooved deck surface.

Cut grooves continuously across the deck width to within 18 inches of the barrier rail, curb line, or median divider. If metal floor drains extend more than 18 inches from the barrier rail, curb line, or median divider; all grooves on the bridge deck surface are to end within 6 inches of the floor drain perimeter.

At skewed metal edged expansion joints in the bridge deck surface, end all grooves on the bridge deck surface within 6 inches of the joint leaving no ungrooved surface adjacent to each side of the joint greater than 6 inches in width on the deck side of the expansion joints.

Produce grooves that are continuous across construction joints or other joints in the concrete deck surface less than 1/2-inch wide.

Construct longitudinal grooves with the following criteria:

Width (in)	Depth (in)	Spacing C-C (in)	Width Tolerance (in)	Depth Tolerance (in)	Spacing Tolerance (in)
1/8	3/16	3/4	0 to 1/16	± 1/16	± 1/16

Collect, remove and dispose of solid material residue and liquid waste resulting from grooving operations by vacuuming in a manner satisfactory to the engineer.

D Measurement

The department will measure Longitudinal Grooving Bridge Deck by the square foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.0800	Longitudinal Grooving Bridge Deck	SF

Payment for Longitudinal Grooving Bridge Deck is full compensation for providing the required machinery and operators; for grooving, for collecting, removing and properly disposing of all waste materials.

12. Retaining Walls and Ground Support.

12.1 Drilling Shaft 42-Inch Special, Item SPV.0090.0600; Drilling Shaft 48-Inch Special, Item SPV.0090.1000.

A Description

This special provision describes drilling the shaft and placing an inner and outer permanent casing for the foundations of Overhead Sign Structure S-44-0325 and bases SB5 and SB9 of traffic signal S-44-0665 according to standard spec 531, the special provision in this contract titled Hauling and Disposal of Contaminated Material, as shown in the plans and as hereinafter provided.

B Materials

B.1 Controlled Low Strength Material

Provide controlled low strength material (CLSM) that consists of a designed cementitious mixture of natural or processed materials. Allowable materials include natural sand, natural gravel, produced sand, foundry sand, produced gravel, fly ash, Portland cement, and other broken or fragmented mineral materials. The designed mixture shall be self-leveling and shall be free of shrinkage after hardening.

Design the mixture to reach a state of hardening such that it can support foot traffic in no more than 24 hours. Provide a mixture that also meets the following requirements.

TEST	METHOD	VALUE
Flow (inch)	ASTM D-6103	9 min
Compressive Strength (psi)	ASTM D-6024	20-40 @ 14 days 40-80 @ 28 days 80-120 @ 90 days

Chemical admixtures to control air content and setting time are allowable. Ten days before placement, furnish the engineer with a design mix detailing all components and their proportions in the mix.

B.2 Permanent Casing

Provide steel casing that can withstand insertion stresses as well as concrete and soil pressure.

C Construction

Replace standard spec 531.3.2 with the following:

(1) Before drilling, locate existing underground cable, utility, or drainage structures.

(2) Drill shaft to the depth the plans show with minimal disturbance to adjacent soil. Make shaft vertical within less than 1/8 inch per foot. Control operations to minimize the quantity of contaminated materials excavated and to ensure that excavations do not extend beyond the minimum required to drill the shaft unless expressly directed to do so by the engineer.

(3) Install engineer approved outer casing during drilling operations to accommodate the shaft with outer casing in intimate contact with shaft sidewalls. Ensure the outer casing can withstand insertion stresses as well as concrete and soil pressure.

(4) Install engineer approved inner casing to accommodate the depth and diameter of the foundation shown in the plans. Make shafts vertical within less 1/8 inch per foot.

(5) Stabilize the inner casing to prevent movement from concrete pressure and other loads that occur due to construction operations.

(6) If the inner casing appears unsatisfactory in any way, before or during concrete placement, the engineer will order the work stopped until correction of the defects.

(7) The inner and outer casing shall be left in place.

(8) The engineer will coordinate with the Bureau of Structures if shallow obstructions, including bedrock, are encountered.

(9) Wait until concrete has attained 3500 psi compressive strength or has cured for 7 equivalent days, as specified in standard spec 502.3.10, before filling the annulus with the CLSM.

C.1 Placement of CLSM

(1) Place CLSM in the annular space between the outer casing pipe and inner shaft foundation casing. Proportion and mix materials to produce a product of consistent texture and flow characteristics. The engineer may reject any materials exhibiting a substantial change in properties, appearance, or composition.

(2) If the official Weather Bureau forecast for the construction site predicts temperatures at or below freezing within the next 24 hours after placement of CLSM, protect the placed materials from freezing during that time period. If the temperature is not forecast to rise above 40º F for 72 hours after placement, the engineer may require protection from freezing for up to 72 hours.

(3) No CLSM shall be allowed to enter any stream, lake, or sewer system. The contractor shall be responsible for any clean up or remediation costs resulting from such occurrences.

D Measurement

The department will measure the Drilling Shaft bid item by the linear foot, acceptably completed.

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.1000	Drilling Shaft 48-Inch Special	LF
SPV.0090.1300	Drilling Shaft 42-Inch Special	LF

E Payment

Payment for the Drilling Shaft bid item is full compensation for excavating and backfilling; providing permanent inner and outer casing; and backfilling with CLSM. Payment also includes designing the CLSM mix; supplying all materials; preparing the proportional mix; hauling it to the construction site; and protecting it from freezing.

Handling and disposal of material removed during excavation of shaft is paid for under the Hauling and Disposal of Contaminated Material bid item.

12.2 Wall Concrete Panel Mechanically Stabilized Earth R-44-30, Item SPV.0165.0900; Wall Concrete Panel Mechanically Stabilized Earth R-44-31, Item SPV.0165.0901; Wall Concrete Panel Mechanically Stabilized Earth R-44-32, Item SPV.0165.0902; Wall Concrete Panel Mechanically Stabilized Earth R-44-33, Item SPV.0165.0903; Wall Concrete Panel Mechanically Stabilized Earth R-44-56, Item SPV.0165.0904.

A Description

This special provision describes designing, furnishing materials and erecting a permanent earth retention system according to the lines, dimension, elevations and details as shown on the plans and provided in the contract. The design life of the wall and all wall components shall be 75 years minimum.

This special provision describes the quality management program (QMP) for Mechanically Stabilized Earth (MSE) walls. A quality management program is defined as all activities, including process control, inspection, sampling and testing, and necessary adjustments in the process that are related to the construction of the MSE wall, which meets all the requirements of this provision.

This special provision describes contractor quality control (QC) sampling and testing for backfill density testing, documenting those results, and documenting related production and placement process changes. This special provision also describes department quality verification (QV), independent assurance (IA), and dispute resolution.

Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes sampling and testing procedures.

B Materials

B.1 Proprietary Wall Systems

The supplied wall system must be from the department's approved list of Concrete Panel Mechanically Stabilized Earth Wall systems. Proprietary wall systems must conform to the requirements of this specification and be pre-approved for use by the department's Bureau of Structures. The department maintains a list of pre-approved proprietary wall systems. The name of the pre-approved proprietary wall system selected shall be furnished to the engineer within 25 days after the award of contract.

To be eligible for use on this project, a system must have been pre-approved by the Bureau of Structures and added to that list prior to the bid opening date. To receive pre-approval, the retaining wall system must comply with all pertinent requirements of this provision and be prepared according to the requirements of Chapter 14 of the department's LRFD Bridge Manual. Information and assistance with the pre-approval process can be obtained by contacting the Bureau of Structures, Structures Maintenance Section at the following email address: DOTDLStructuresFabrication@dot.wi.gov.

To be eligible to provide wall facing panels for this project, a precast concrete manufacturing plant must be pre-approved by the Bureau of Technical Services under standard spec 106.3.3.3.1 prior to the bid closing date. Information and assistance with the pre-approval process can be obtained by contacting the Bureau of Technical Services at the following email address: DOTProductSubmittal@wisconsin.gov.

B.2 Design Requirements

It is the responsibility of the contractor to submit a design and supporting documentation as required by this special provision, for review and acceptance by the department, to show the proposed wall design is in compliance with the design specifications. The submittal shall include the following items for review: detailed plans and shop drawings, complete design calculations, explanatory notes, supporting materials, and specifications. The detailed plans and shop drawings shall include all details, dimensions, quantities and cross-sections necessary to construct the walls. Submit shop drawings to the engineer conforming to 105.2 with electronic submittal to the fabrication library under 105.2.2. Certify that shop drawings conform to quality control standards by submitting department form DT2329 with each set of shop drawings. Department review does not relieve the contractor from responsibility for errors or omissions on shop dr

awings. Submit no later than 60 days from the date of notification to proceed with the project and a minimum of 30 days prior to the date proposed to begin wall construction.

The plans and shop drawings shall be prepared on reproducible sheets 11 inch x 17 inch, including borders. Each sheet shall have a title block in the lower right corner. The title block shall include the WisDOT project identification number and structure number. Design calculations and notes shall be on 8 ½ inch x 11 inch sheets, and shall contain the project identification number, name or designation of the wall, date of preparation, initials of designer and checker, and page number at the top of the page. All plans, shop drawings, and calculations shall be signed, sealed and dated by a professional engineer licensed in the State of Wisconsin.

The design of the wall shall be in compliance with the current American Association of State Highway and Transportation Officials LRFD (AASHTO LRFD) Bridge Design Specifications with latest interim specifications for Mechanically Stabilized Earth Walls, WisDOT's current Standard Specifications for Highway and Structure Construction (standard spec), Chapter 14 of the WisDOT LRFD Bridge Manual and standard engineering design procedures as determined by the department. Loads, load combinations, load and resistance factors shall be as specified in AASHTO LRFD Section 11. The associated resistance factors shall be defined according to Table 11.5.7-1 in AASHTO LRFD.

Design and construct the walls according to the lines, grades, heights and dimensions shown on the plans, as herein specified, and as directed by the engineer. Where walls or wall sections intersect with an included angle of 130 degrees or less, a vertical corner element separate from the standard panel face shall abut and interact with the opposing standard panels. The corner element shall have ground reinforcement connected specifically to that panel and shall be designed to preclude lateral spread of the intersecting panels. If the wall is installed in front of a bridge abutment or wing, it shall also be designed to resist the applied abutment/bridge lateral forces specified on the plans.

Walls parallel to supporting highway traffic shall be designed for the effects of highway surcharge loading equivalent of 2 feet soil surcharge weight or 240 psf. The design shall also consider the traffic barrier impact where applicable. Walls that do not carry highway traffic shall be designed for a live load surcharge of 100 psf according to Chapter 14 of the WisDOT LRFD Bridge Manual or as stated on the plans.

A maximum value of the angle of internal friction of the wall backfill material used for design shall be assumed to be 30 degrees without a certified report of tests. If a certified report of tests yields an angle of internal friction greater than 30 degrees, the larger test value may be used for design, up to a maximum value of 36 degrees.

An external stability check at critical wall stations showing Capacity Demand Ratios (CDR) for sliding, eccentricity, and bearing checks is performed by the department and are provided on the wall plans.

The design of the wall by the contractor shall consider the internal and compound stability of the wall mass according to AASHTO LRFD 11.10.6. The internal stability shall include soil reinforcement pullout, soil reinforcement rupture, and panel-reinforcement connection failure at each soil reinforcement level. The design shall be performed using the Simplified Method or Coherent Gravity Method. Calculations for factored stresses and resistances shall be based upon assumed conditions at the end of the design life. The value of the pullout resistance factor, F*, used in design calculations shall be obtained from the AASHTO LRFD Figure 11.10.6.3.2-2 as appropriate to the proposed reinforcement type. Compound stability shall be computed for the applicable strength limits. Sample analyses and hand calculations shall be submitted to verify the output of any software program used. The design calculations and notes shall clearly indicate the Capacity to Demand Ratios (CDR) for all internal and external stabilities as defined in AASHTO LRFD.

The wall facing shall be designed according to AASHTO LRFD 11.10.2.3. The facing panels shall also be designed to resist compaction stresses that occur during the wall erection. The minimum thickness of the facing panel shall be 5.5 inches. The surface area of a standard single panel cannot exceed 60 square feet. The maximum height of a standard panel shall be 5 feet. The top and bottom panels may exceed 5 foot in height based on site topography subject to the approval by the Structures Design Section. The design of the steel reinforcement within the panels shall be based on one-way bending action. Design the wall panels and joints between panels to accommodate a maximum differential settlement of 1 foot over a 100-foot length with ¾-inch joint widths, unless the plans indicate other maximum differential settlement requirements.

The minimum length of soil reinforcement measured from the back face of the wall shall be equal to 0.7 of the wall height, or as shown on the plan. In no case shall this length be less than 8 feet. The soil reinforcement length shall be the same from the bottom to the top of the wall. All soil reinforcement layers

shall be connected to facings. The soil reinforcement shall extend a minimum of 3.0 feet beyond the theoretical failure plane in all cases. The maximum vertical spacing of soil reinforcement layers shall be 31 inches. The uppermost layer of the reinforcement shall be located between 6 inches and 18 inches below the bottom of an overlying slab, footing or top of the wall. The upper layers of the soil reinforcement shall also be checked to verify that they have sufficient tensile resistance against traffic barrier impact where applicable.

All soil reinforcement required for the reinforced soil zone shall be connected to the face panels. The reinforcement and the reinforcement/facing connection strength shall be designed to resist maximum factored reinforcement loads according to AASHTO LRFD Section 11.10.6. Facing connection strength shall be defined as the resistance factor times the failure load, or the load at 0.5 inch deformation times 0.9, whichever is less. The nominal long term design strength in steel reinforcement and connections shall be based upon assumed conditions at the end of the design life.

Soil reinforcement shall be prefabricated into single or multiple elements before galvanizing. Soil reinforcement shall be fabricated or designed to avoid piling, drainage structures or other obstacles in the fill without field modifications. Unless approved by the Bureau of Structures cutting or altering of the basic structural section of either the strip or grid at the site is prohibited, a minimum clearance of 3” shall be maintained between any obstruction and reinforcement, and splicing reinforcement is not allowed.

The minimum embedment of the wall shall be 1 foot 6 inches below finished grade, or as given on the plans. All walls shall be provided with a concrete leveling pad. Minimum wall embedment does not include the leveling pad depth. Step the leveling pad to follow the general slope of the ground line. Frost depth shall not be considered in designing the wall for depth of leveling pad.

Wall facing units shall be installed on a leveling pad.

B.3 Wall System Components

Materials furnished for wall system components under this contract shall conform to the requirements of this specification. All documentation related to material and components of the wall systems specified in this subsection shall be submitted to the engineer.

B.3.1 Wall Facing

Wall facing shall consist of modular precast concrete face panels produced by a wet cast process. The concrete panels shall have a minimum strength of 4000 psi at 28 days. The concrete for the panels shall be air entrained, with an air content of 6% +/- 1.5%. All materials for the concrete mixture for the panels shall meet the requirements of standard spec 501. The panel edges shall be configured so as to conceal the joints. The detail shall be a shiplap, tongue and groove or other detail adequate to prevent vandalism or ultraviolet light damage to the backside of the wall joint covering. Joint widths between panels shall be uniform and ¾-inch, unless noted otherwise on the plans. Use full wall height slip joints at points of differential settlement when detailed on the plan. Horizontal joints must be provided with a compressible bearing material to prevent concrete to concrete contact. Panels shall be reinforced using coated high-strength bar steel or welded steel wire fabric conforming to standard spec 505. Welded steel wire fabric shall be epoxy-coated according to ASTM A884 or galvanized according to AASHTO M 111 or ASTM A641. Panel dowels for cast-in-place copings shall be coated high-strength bar steel conforming to standard spec 505. Unless approved by the Bureau of Structures, adhesive anchors are prohibited.

For reinforced cast-in-place concrete cap or coping, use poured Grade A concrete conforming to standard spec 501 as modified in standard spec 716. Provide QMP for cast-in-place cap and coping concrete as specified in standard spec 716, Class II Concrete. Use coated high-strength bar steel conforming to standard spec 505.

Provide a minimum of two bearing pads per panel. The allowable bearing stress shall not exceed 900 psi. The bearing pads shall be preformed EPDM rubber conforming to ASTM D2000, Grade 2, Type A, Class A with a Durometer Hardness of 80 +/-5, or high- density polyethylene pads with a minimum density of 0.034 lb/in^3 according to ASTM D1505.

An 18-inch wide geotextile shall be used on the backface of the wall panels to cover all panel joints. The geotextile shall meet the physical requirements stated in standard spec 645.2.4 for Geotextile, Type DF, Schedule B, except that the grab tensile strength shall be a minimum of 180 pounds in both the machine and cross-machine directions. The geotextile shall be attached with a standard construction adhesive suitable for use on concrete surfaces and cold temperatures. The adhesive shall be applied to the panels, not to the geotextile.

B.3.2 Leveling Pad

Provide an unreinforced cast-in-place concrete leveling pad. Use Grade A concrete conforming to standard spec 501 as modified in standard spec 716. Provide QMP for leveling pad concrete as specified in standard spec 716, Class III Concrete.

The minimum width of the leveling pad shall be 12-inches. The minimum thickness of the leveling pad shall be 6-inches.

B.3.3 Backfill

Furnish and place backfill for the wall as shown on the plans and as hereinafter provided.

Place backfill in a zone extending horizontally from the back face of the wall facing to 1 foot minimum beyond the end of the reinforcement and extending vertically from the top of the leveling pad to a minimum of 3 inches above the final reinforcement layer.

Use natural sand or a mixture of sand with gravel, crushed gravel or crushed stone. Do not use foundry sand, bottom ash, blast furnace slag, crushed/recycled concrete, crushed/milled asphaltic concrete or other potentially corrosive material.

Provide material conforming to the following gradation requirements as per AASHTO T27.

Sieve Size	% by Weight Passing
1 inch	100
No. 40	0 - 60
No. 200	0 - 15

The material shall have a liquid limit not greater than 25, as per AASHTO T89, and a plasticity index not greater than 6, as per AASHTO T90. Provide the percent by weight, passing the #4 sieve.

In addition, backfill material shall meet the following requirements.

Test	Method	Value	
		(Galvanized)	(Aluminized Type 2)
pH	AASHTO T-289	5.0-10.0	5.0 – 9.0
Sulfate content	AASHTO T-290	200 ppm max.	
Chloride content	AASHTO T-291	100 ppm max.	
Electrical Resistivity	AASHTO T-288	3000 ohm-cm min.	1500 ohm-cm min.
Organic Content	AASHTO T-267	1.0% max.	
Angle of Internal Friction	AASHTO T-236[1]	30 degrees min. (At 95.0% of maximum density and optimum moisture, per AASHTO T99, or as modified by C.2.)	

[1] If the amount of P-4 material is greater than 60%, use AASHTO 236 with a standard-size shear box. Test results of this method may allow the use of larger angles of internal friction, up to the maximum allowed by this specification.

If the amount of P-4 material is less than or equal to 60%, two options are available to determine the angle of internal friction. The first method is to perform a fractured faces count, per ASTM D5821, on the R-4 material. If more than 90% of the material is fractured on one face and more than 50% is fractured on two faces, the material meets the specifications and the angle of internal friction can be assumed to be 30 degrees. The second method allows testing all P-1” material, as per AASHTO T-236, with a large shear box. Test results of this second method may allow the use of larger angles of internal friction, up to the maximum allowed by this specification.

Prior to placement of the backfill, obtain and furnish to the engineer a certified report of test results that the backfill material complies with the requirements of this specification. Specify the method used to determine the angle of internal friction. This certified report of test shall be less than 6 months old. Tests

will be performed by a certified independent laboratory. In addition, when backfill characteristics and/or sources change, provide a certified report of tests for the new backfill material. Additional certified report of tests are also required. These additional backfill tests may be completed at the time of material production or material placement, with concurrence of the engineer. If this additional testing is completed at the time of material production, complete testing for every 2000 cubic yards of backfill or portion thereof. If this additional testing is completed at the time of material placement, complete testing for every 2000 cubic yards of backfill, or portion thereof, used per wall. For the additional required testing for every 2000 cubic yards of backfill placement, if the characteristic of the backfill and/or the source has not changed then Angle of Internal Friction tests are not included in the additional required testing. All certified reports of test results shall be less than 6 months old and performed by a certified independent laboratory.

B.3.4 Soil Reinforcement

All steel portions of the wall system exposed to earth shall be galvanized. All soil reinforcement and attachment devices shall be carefully inspected to ensure they are true size and free from defects that may impair the strength and durability. Soil reinforcement shall be galvanized or aluminized Type 2. Galvanized soil reinforcement shall be according to AASHTO M 111 or ASTM A641. Aluminized soil reinforcement shall be according to ASTM A463 Aluminized Type 2-100, SS, Grade 50, Class 2. Design of galvanized soil reinforcement shall be according to Section 11.10.6.4.2 of the current AASHTO LRFD Specifications. The design life of steel soil reinforcements shall comply with AASHTO LRFD. Aluminized soil reinforcement shall be limited 16 years of steel protection. Aluminized steel shall only be used on soil reinforcement elements and shall not be used on facing connections or any other steel portion of the wall system. Steel soil reinforcement shall be prefabricated into single or multiple elements before galvanizing.

C Construction

C.1 Excavation and Backfill

Excavation and preparation of the foundation for the MSE wall and the leveling pad shall be according to standard spec 206. The volume of excavation covered is limited to the width of the reinforced mass and to the depth of the leveling pad unless shown or noted otherwise on the plan. At the end of each working day, provide good temporary drainage such that the backfill shall not become contaminated with run-off soil or water if it should rain. Do not stockpile or store materials or large equipment within 10 feet of the back of the wall.

Place backfill materials in the areas as indicated on the plans and as detailed in this specification. Backfill lifts shall be no more than 8-inches in depth, after compaction.

Conduct backfilling operations in such a manner as to prevent damage or misalignment of the wall panels, soil reinforcement, or other wall components. At no expense to the department, correct any such damage or misalignment as directed by the engineer. A field representative of the wall supplier shall be available during wall construction to provide technical assistance to the contractor and the engineer.

Place and compact the MSE backfill to the level of the next higher layer of MSE reinforcement before placing the MSE reinforcement or connecting it to the wall facing. Place and compact material beyond the reinforced soil zone to allow for proper compaction of material within the reinforced zone. The MSE reinforcement shall lay horizontally on top of the most recently placed and compacted layer of MSE backfill.

Do not operate tracked or wheeled equipment on the backfill within 3 feet from the back panels. The engineer may order the removal of any large or heavy equipment that may cause damage or misalignment of the panels.

C.2 Compaction

Compact all backfill behind the wall as specified in standard spec 207.3.6. Compact the backfill to 95.0% of maximum dry density as determined by AASHTO T-99 (modified to compute densities to the nearest 0.1 pcf).

Ensure adequate moisture is present in the backfill during placement and compaction to prevent segregation and to help achieve compaction.

Compaction of backfill within 3 feet of the back face of the wall should be accomplished using lightweight compaction devices. Use of heavy compaction equipment or vehicles should be avoided within 3 feet of the panels. Do not use sheepsfoot or padfoot rollers within the reinforced soil zone.

A minimum of 3 inches of backfill shall be placed over the MSE reinforcement prior to working above the reinforcement.

C.3 Wall Components

C.3.1 General

Erect panel facing and other associated elements according to the wall manufacturer's construction guide. Place and compact the MSE backfill to the level of the next higher layer of MSE reinforcement before placing the MSE reinforcement or connecting it to the wall facing.

The MSE reinforcement shall lay horizontally on the top of the most recently placed and compacted layer of MSE backfill. Bending of MSE reinforcement that result in a kink in the reinforcement shall not be allowed. If skewing of the reinforcement is required due to obstructions in the reinforced fill, the maximum skew angle shall not exceed 15 degrees from the normal position unless a greater angle is shown on the plans. The adequacy of the skewed reinforcement in such a case shall be addressed by supporting calculations.

C.3.2 Leveling Pad

Provide an unreinforced cast-in-place concrete leveling pad as shown on the plans. Vertical tolerances shall not exceed 3/4-inch when measured along a 10-foot straight edge. Allow concrete to set at least 12 hours prior to placing wall facing units.

The bottom row of wall facing units shall be horizontal and 100% of the unit surface shall bear on the leveling pad. Rubber or plastic shims may be used to level the wall facing units at the leveling pad. No more than 2 shims (each 3/16-inch thick) shall be used to level the wall facing.

C.3.3 Steel Layers

Place the steel reinforcement full width in one piece as shown on the plans. No splicing will be allowed. Maintain elements in position during backfilling.

C3.4 Panel Tolerances

As backfill material is placed behind a panel, maintain the panel in its proper inclined position according to the supplier specifications and as approved by the engineer. The supplier shall specify the back batter so that the final position of the wall is vertical. Vertical tolerances and horizontal alignment tolerances shall not exceed ¾-inch when measured along a 10-foot straight edge. The maximum allowable offset in any panel joint shall be ¾-inch. The overall vertical tolerance of the wall (plumbness from top to bottom) shall not exceed ½-inch per 10 feet of wall height. Erect the precast face panels to ensure that they are located within 1 inch from the contract plan offset at any location to ensure proper wall location at the top of the wall. Provide a uniform joint width between all adjacent face panels to prevent direct concrete-to-concrete contact. Maintain this width by the use of bearing pads and/or alignment pins. The final joint width shall be within ¼-inch of the design joint width. Failure to meet this tolerance shall cause the engineer to require the contractor to disassemble and re-erect the affected portions of the wall. In addition, imperfect molding, honeycombing, cracking or severe chipping of panels shall be cause of panel rejection.

C.4 Quality Management Program

C.4.1 Quality Control Plan

Submit a comprehensive written quality control plan to the engineer at or before the pre-construction meeting. Do not perform MSE wall construction work before the engineer reviews and accepts the plan. Construct the project as the plan provides.

Do not change the quality control plan without the engineer's review and acceptance. Update the plan with changes as they become effective. Provide a current copy of the plan to the engineer and post in the contractor's laboratory as changes are adopted. Ensure that the plan provides the following elements:

1. An organizational chart with names, telephone numbers, current certifications and/or titles, and roles and responsibilities of QC personnel.
2. The process used to disseminate QC information and corrective action efforts to the appropriate persons. Include a list of recipients, the communication process that will be used, and action time frames.
3. A list of source locations, section and quarter descriptions, for all aggregate materials requiring QC testing.
4. Descriptions of stockpiling and hauling methods.
5. An outline for resolving a process control problem. Include responsible personnel, required documentation, and appropriate communication steps.

6. Location of the QC laboratory, retained sample storage, and other documentation.
7. A summary of the locations and calculated quantities to be tested under this provision.
8. A proposed sequencing plan of wall construction operations and random test locations.

C.4.2 Quality Control Personnel

Perform the quality control sampling, testing, and documentation required under this provision using HTCP certified technicians. Have a HTCP Grading Technician I (GRADINGTEC-I); or Assistant Certified Technician, Grading (ACT-GRADING); or Aggregate Technician I (AGGTEC-I); or Assistant Certified Technician, Aggregate (ACT-AGG) present at the grading site during all wall backfill placement, compaction, and nuclear testing activities. Have a HTCP Nuclear Density Technician I (NUCDENSITYTEC-I) or Assistant Certified Technician, Nuclear Density Gauge Operator (ACT-NUC) perform field density and field moisture content testing.

If an Assistant Certified Technician (ACT) is performing sampling or testing, a certified technician must coordinate and take responsibility for the work an ACT performs. Have a certified technician ensure that all sampling and testing is performed correctly, analyze test results, and post resulting data. No more than one ACT can work under a single certified technician.

C.4.3 Equipment

Furnish the necessary equipment and supplies for performing quality control testing. Ensure that all testing equipment conforms to the equipment specifications applicable to the required testing methods. The engineer may inspect the measuring and testing devices to confirm both calibration and condition. Calibrate all testing equipment according to the CMM and maintain a calibration record at the laboratory.

Furnish nuclear gauges from the department's approved product list at:

https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/tools/appr-prod/default.aspx

Ensure that the nuclear gauge manufacturer or an approved calibration service calibrates the gauge the same calendar year it is used on the project. Retain a copy of the calibration certificate with the gauge.

Conform to AASHTO T310 and CMM 8-15 for density testing and gauge monitoring methods.

Split each Proctor sample and identify so as to provide comparison with the department's test results. Unless the engineer directs otherwise, retain the QC split samples for 14 calendar days and promptly deliver the department's split samples to the department.

C.4.4 Documentation

1. Document all observations, inspection records, and process adjustments daily. Submit test results to the department's project materials coordinator on the same day they become available.
2. Use forms provided in CMM Chapter 8. Note other information in a permanent field record and as a part of process control documentation enumerated in the contractor's quality control plan. Enter QC data and backfill material certified report results into the applicable materials reporting system (MRS) software within 5 business days after results are available.
3. Submit final testing records and other documentation to the engineer electronically within 10 business days after all contract-required information becomes available. The engineer may allow submission of scanned copies of hand-written documentation.

C.4.5 Quality Control (QC) Testing

Perform compaction testing on the backfill. Conform to CMM 8-15 for testing and gauge monitoring methods. Conduct testing at a minimum frequency of 1 test per 150 cubic yards of backfill, or major portion thereof in each lift. A minimum of one test for every lift is required. Deliver documentation of all compaction testing results to the engineer at the time of testing.

Perform one gradation test every 750 cubic yards of fill and one 5-point Proctor test (or as modified in C.2) every 2,250 cubic yards of fill. Provide the region split samples of both within 72 hours of sampling, at the region laboratory. Test sites shall be selected using ASTM Method D3665. Provide Proctor test results to the engineer within 48 hours of sampling. Provide gradation test results to the engineer within 24 hours of sampling.

C.4.6 Department Testing

C.4.6.1 General

The department will conduct verification testing to validate the quality of the product and independent assurance testing to evaluate the sampling and testing. The department will provide the contractor with a listing of names and telephone numbers of all QV and IA personnel for the project, and provide test results to the contractor within 2 business days after the department obtains the sample.

C.4.6.2 Quality Verification (QV) Testing

The department will have an HTCP technician, or ACT working under a certified technician, perform QV sampling and testing. Department verification testing personnel must meet the same certification level requirements specified in C.4.2 for contractor testing personnel for each test result being verified. The department will notify the contractor before sampling so the contractor can observe QV sampling.

The department will conduct QV tests at the minimum frequency of 30% of the required contractor density, Proctor and gradation tests.

The department will locate density tests and gradation samples randomly, at locations independent of the contractor's QC work. The department will split each Proctor and gradation QV sample, testing half for QV, and retaining the remaining half for 10 business days.

The department will conduct QV Proctor and gradation tests in a separate laboratory and with separate equipment from the contractor's QC tests. The department will use the same methods specified for QC testing.

The department will assess QV results by comparing to the appropriate specification limits. If QV test results conform to this special provision, the department will take no further action. If density QV test results are nonconforming, the area shall be reworked until the density requirements of this special provision are met. If the gradation test results are nonconforming, standard spec 106.5 will apply. Differing QC and QV nuclear density values of more than 1.5 pcf will be investigated and resolved. QV density tests will be based on the appropriate QC Proctor test results, unless the QV and QC Proctor result difference is greater than 3.0 pcf. Differing QC and QV Proctor values of more than 3.0 pcf will be investigated and resolved.

C.4.6.3 Independent Assurance (IA)

Independent assurance is unbiased testing the department performs to evaluate the department's QV and the contractor's QC sampling and testing, including personnel qualifications, procedures, and equipment. The department will perform an IA review according to the department's independent assurance program.

That review may include one or more of the following:

1. Split sample testing.
2. Proficiency sample testing.
3. Witnessing sampling and testing.
4. Test equipment calibration checks.
5. Reviewing required worksheets and control charts.
6. Requesting that testing personnel perform additional sampling and testing.

If the department identifies a deficiency, and after further investigation confirms it, correct that deficiency. If the contractor does not correct or fails to cooperate in resolving identified deficiencies, the engineer may suspend placement until action is taken. Resolve disputes as specified in C.4.6.4.

C.4.6.4 Dispute Resolution

The engineer and contractor should make every effort to avoid conflict. If a dispute between some aspect of the contractor's and the engineer's testing program does occur, seek a solution mutually agreeable to the project personnel. The department and contractor may review the data, examine data reduction and analysis methods, evaluate sampling and testing procedures, and perform additional testing. Use ASTM E 178 to evaluate potential statistically outlying data.

Production test results, and results from other process control testing, may be considered when resolving a dispute.

If the project personnel cannot resolve a dispute, and the dispute affects payment or could result in incorporating non-conforming product or work, the department will use third party testing to resolve the dispute. The department's central office laboratory, or a mutually agreed on independent testing laboratory, will provide this testing. The engineer and contractor will abide by the results of the third party tests. The party in error will pay service charges incurred for testing by an independent laboratory. The department may use third party test results to evaluate the quality of questionable materials and determine the appropriate payment. The department may reject material or otherwise determine the final disposition of nonconforming material as specified in standard spec 106.5.

C.5 Geotechnical Information

Geotechnical data to be used in the design of the wall is given on the wall plan. After completing wall excavation of the entire reinforced soil zone, notify the department and allow the Regional Soils Engineer two working days to review the foundation.

D Measurement

The department will measure Wall Concrete Panel Mechanically Stabilized Earth by the square foot, acceptably completed. The department will compute the measured quantity from the theoretical pay limits the contract plans show. The department will make no allowance for wall area constructed above or below the theoretical pay limits. All work beyond the theoretical pay limits is incidental to the cost of work. The department will make no allowance for as-built quantities.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.0900	Wall Concrete Panel Mechanically Stabilized Earth R-44-30	SF
SPV.0165.0901	Wall Concrete Panel Mechanically Stabilized Earth R-44-31	SF
SPV.0165.0902	Wall Concrete Panel Mechanically Stabilized Earth R-44-32	SF
SPV.0165.0903	Wall Concrete Panel Mechanically Stabilized Earth R-44-33	SF
SPV.0165.0904	Wall Concrete Panel Mechanically Stabilized Earth R-44-56	SF

Payment is full compensation for supplying a design and shop drawings; preparing the site, including all necessary excavation and disposal of materials; supplying all necessary wall components to produce a functional wall system including cap, copings, leveling pads, leveling pad steps, and shims; constructing the retaining system and providing temporary drainage; providing backfill, backfilling, compacting, developing/completing/documenting the quality management program, and performing compaction testing.

The department will pay separately for parapets, traffic barriers, railings, and other items above the wall cap or coping.

13. Drainage and Erosion Control.

13.1 Storm Sewer.

Supplement standard spec 204.5.1 with the following:

QMP sampling, testing and documentation if applicable is incidental to removing storm sewer bid item and no separate payment will be made.

Supplement standard spec 608.2 with the following:

Two weeks prior to start of storm sewer construction, provide a shoring design and installation sequence for each location where shoring is to be used. Have a professional engineer, currently registered in the State of Wisconsin and knowledgeable of the specific site conditions and requirements, verify the adequacy of the design. Submit one electronic copy in portable document format of each shoring design, signed and sealed by the same professional engineer verifying the design, to the engineer for incorporation into the permanent project record.

Supplement standard spec 608.3.1 with the following:

(10) Incorporate excavated material in the work to the extent practicable. Use materials with suitable engineering properties for embankment.

(11) Dispose of surplus or unsuitable material as specified in standard spec 205.3.12.

Replace standard spec 608.5.2 with the following:

Payment for the Storm Sewer Pipe bid items is full compensation for providing all materials, including all special Y's, mitered sections, elbows and connections required; for all submittals; for excavating and wasting excess material, except rock excavation; for providing rubber gaskets; Lubrication of rubber gaskets; mastic joint sealer; for supporting utilities in storm sewer trench; for shoring design, providing a signed and sealed copy of the design; for installation, monitoring, and removal of shoring; for forming foundation; for laying pipe; for sealing joints and making connections to new or existing features, bedding material; for backfilling and granular backfill material; for QMP sampling, testing and documentation; for cleaning out; and absent the pertinent contract bid items, for restoring the work site.

13.2 Catch Basins, Manholes, and Inlets.

Supplement standard spec 611.3.1 with the following:

Use a Grade "A" concrete for final adjustment of manhole cover. Provide a butyl rubber gasket or butyl rubber rope for joints of precast reinforced concrete manhole sections. Butyl Rubber gasket joint used for manholes conforms to 8.41.6 of the Standard Specification for Sewer and Water Construction in Wisconsin, latest Edition. Provide non-rocking covers for all drainage structures subject to traffic loading.

Prior to ordering drainage pipes and structures, verify related drainage information in the plan. Submit shop drawings for all drainage structures. For structures where WisDOT standard detail drawings are not available, provide shop drawings prepared, verified and stamped by a professional engineer currently registered in the State of Wisconsin. Submit one electronic copy of shop drawings in portable document format for engineer's review two weeks before fabrication. Show clearly on shop drawings information for all pipe connections to the structure. The contractor is responsible for all errors of detailing and fabrication. The omission from the shop drawings of any pipe connection shall not relieve contractor of the responsibility of providing such materials, even though the shop drawings may have been reviewed and accepted by the engineer.

Supplement standard spec 611.3.3 with the following:

Use monolithic concrete shimming as the plan shows for final adjustment of drainage structures located within the concrete pavement, concrete shoulders, concrete curb and gutter and concrete barrier wall.

Supplement standard spec 611.3.7 with the following:

Construct height adjustments of 4-inches or more with concrete grade rings. Never use grade rings less than 2-inches thick.

Replace standard spec 611.5.2 (1) with the following:

Payment for Catch Basins, Manholes, and Inlets bid items is full compensation for providing all submittals; materials, including all masonry, and concrete bricks, for Grade "A" concrete adjustments and monolithic concrete shimming; adjusting rings; conduit and sewer connections, steps, and other fittings; for providing and installing butyl rubber joints; for furnishing backfill, backfilling; all excavating, disposing of surplus material, and for cleaning out and restoring the work site; except that the department will pay for covers, including frames, grates and lids separately.

Cost of non-rocking covers for all drainage structures subject to traffic loading is incidental to new cover on proposed structure or reconstructing/adjusting manholes or inlets on existing structure.

13.3 Notice to Contractor – Pond NLPD Dewatering.

The construction of Pond NLPD is expected to encounter groundwater during construction. Dewatering effort should be anticipated during pond excavation to maintain stable slopes and for the installation of the pond clay liner.

Prior to construction, lower the groundwater table to below the bottom of the clay liner elevation to allow for the construction of the pond liner according to Article 14.5, Pond Liner Clay, of the special provisions. Continue dewatering after installation of the clay liner until the pond reaches its normal operating water level, as identified in the plans, to prevent loss of liner integrity due to hydrostatic uplift.

If the pond does not reach the normal operating water level through natural means while dewatering is occurring, fill the pond mechanically. This could include discharging water from the dewatering operations into the pond. Damage to the clay liner if the pond is filled mechanically will be repaired at no cost to the department. Dewatering and pond filling is incidental to Pond Liner Clay bid item.

13.4 Cover Plates Temporary, Item 611.8120.S.

A Description

This special provision describes providing and removing steel plates to cover and support asphaltic pavement and traffic loading at manholes, inlets and similar structures during milling and paving operations.

B Materials

Provide a 0.25 inch minimum thickness steel plate that extends to the outside edge of the existing masonry.

C (Vacant)

D Measurement

The department will measure Cover Plates Temporary as each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
611.8120.S	Cover Plates Temporary	EACH

Payment is full compensation for furnishing, installing, and removing the cover plates.

The steel plates shall become the property of the contractor when no longer needed in the contract work.

stp-611-006 (20151210)

13.5 Pipe Grates 30-Inch, Item 611.9850.S.0001; Pipe Grates 42-Inch, Item 611.9850.S.0002.

A Description

This special provision describes providing pipe grates for pipe apron endwalls as detailed in the plans.

B Materials

Furnish steel conforming to the requirements of standard spec 506.2.2.1. Furnish steel pipe conforming to the requirements of standard spec 506.2.3.6.

Furnish pipe grates galvanized according to ASTM A123.

Furnish angles and brackets galvanized according to ASTM A123.

Furnish required hardware galvanized according to ASTM A153.

C Construction

Repair pipes, rods, angles and brackets on which the galvanized coating has been damaged according to the requirements of AASHTO M36.

D Measurement

The department will measure Pipe Grates in units of work, where one unit is one grate, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
611.9850.S.0001	Pipe Grates 30-Inch	EACH
611.9850.S.0002	Pipe Grates 42-Inch	EACH

Payment is full compensation for furnishing and installing all materials; and for drilling and connecting grates to apron endwalls.

stp-611-010 (20230113)

13.6 Pond Liner Clay, Item 640.1303.S.

A Description

This special provision describes furnishing and installing clay liner in areas shown on the plans.

B Materials

For each source, prior to excavating and hauling the clay liner to the project, submit the results of the laboratory source screening tests described in Table 1. Laboratory test results of the clay must meet or exceed the requirements before placing material.

Submit source screening test results to the engineer for review, two weeks prior to clay placement.

C Construction

C.1 Clay Liner

C.1.1 Subgrade

Compact the subgrade to the minimum density using standard spec 207.3.6.2 Standard Compaction, or as otherwise specified in the contract requirements.

C.1.2 Erosion Protection

Do not place the clay liner until after all adjacent site grading has been completed and only after silt fence has been installed completely around the area of clay liner placement.

C.1.3 Clay Placement

After the fine grading is complete, place and compact clay liner in compacted 6-inch lifts. Place each lift of clay liner in one continuous lift. See plans for clay liner construction limits. Measure the thickness of the clay, as shown in the plans, perpendicular to the surface.

Notify the engineer at least three days before starting construction of clay liner.

Table 1

Reference	Number	Test Title	Requirements	Testing Frequency	
				Source Screening	Project Testing
AASHTO[1]	T99-01	Moisture –Density Relationships of Soils Using a 2.5-kg (5.5 lb) Rammer a 305 mm (12-in.) Drop (Standard Proctor)	NA	1/source	NA
AASHTO	T-88-00	Particle Size Analysis of Soils	P200[3] $\geq$ 50%	2/source	1/lift
AASHTO	T-89-02	Determining the Liquid Limit of Soils	LL[4] $\geq$ 22%	2/source	1/lift
AASHTO	T-90-00	Determining the Plastic Limit and Plasticity Index of Soils	PI[5] $\geq$ 12%	2/source	1/lift
AASHTO	T310-03	In-Place Density and Moisture Content of Soils and Soil-Aggregates by nuclear Methods (Shallow Depth)	DD[6] $\geq$ 95% of the MDD[7]	NA	100'x100' Grid/lift
ASTM[2]	D5084-03	Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	K[8] $\leq 1 \times 10^{-7}$ cm/sec	1/source[9]	1/site[10]

Notes:

1. AASHTO = American Association of State Highway and Transportation Officials
2. ASTM = American Society of Testing and Materials
3. P200 = Percent by weight passing the #200 sieve (%)
4. LL = Liquid Limit (%)
5. PI = Plasticity Index (%)
6. DD = Dry Density (pcf)
7. MDD = Maximum Dry Density (pcf) as determined by the Standard Proctor Test
8. K = Hydraulic Conductivity (cm/sec)
9. The sample for the test shall be remolded at a minimum dry density of 95% of the maximum dry density as determined by the Standard Proctor test and at a moisture content required to achieve the required hydraulic conductivity, but with a minimum moisture content at or above the optimum moisture content as determined in the Standard Proctor test.
10. An undisturbed sample from a thinned walled sampler (Shelby tube)

Compact the clay liner to a minimum of 95% Standard Proctor AASHTO T-99 Maximum Dry Density with footed compaction equipment having feet at least as long as the loose lift height. As needed, clay shall be disked or otherwise mechanically processed before compaction to break up clods and allow moisture content adjustment. Clod size shall be no greater than 4 inches. All compaction equipment utilized shall have a minimum static weight of 30,000 pounds.

Provide all equipment necessary to adjust clay liner to the proper moisture content for compaction.

Make sufficient number of passes of the compaction equipment over each lift of clay to ensure complete remolding of the clay.

Do not proceed with placement of additional lifts until all required clay liner testing and documentation has been completed for the previous lift.

During placement of the clay liner the minimum moisture content shall be as defined by the testing performed in the source screening evaluation and with the following limits:

- No drier than the optimum moisture content as determined by the Standard Proctor test.

If the in-place clay liner fails to meet the requirements of Table 1, then remove and replace or rework any portion of the clay liner not meeting the project requirements until project specifications are met. There shall be no compensation for removing, replacing and reworking clay not meeting the requirements in Table 1.

C.1.4 Project Testing and Acceptance

Perform all project testing at the frequency shown in Table 1 except for project testing for ASTM D5084-03 Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter, which will be done by the department. Record clay liner thickness on a 100 foot x 100 foot grid pattern.

Provide the following:

- Access for on-site testing, inspection, and documentation.
- Machinery required to grade/blade density test locations.
- Machinery required to collect undisturbed clay samples (i.e., with Shelby tubes).
- Replace and recompact clay material removed for testing purposes.

Perform sampling, testing, and documentation for project testing in Table 1, required under this provision using HTCP certified technicians. Have a HTCP Grading Technician I (GRADINGTEC-I); or Assistant Certified Technician, Grading (ACT-GRADING); or Aggregate Technician I (AGGTEC-I); or Assistant Certified Technician, Aggregate (ACT-AGG) present at each grading site during all clay liner placement, compaction, and sampling/testing activities. Have a HTCP Nuclear Density Technician I (NUCDENSITYTEC-I) or Assistant Certified Technician, Nuclear Density Gauge Operator (ACT-NUC) perform field density and field moisture content testing.

If an Assistant Certified Technician (ACT) is performing sampling or testing, a certified technician must coordinate and take responsibility for the work an ACT performs. Have a certified technician ensure that all sampling and testing is performed correctly, analyze test results, and post resulting data. No more than one ACT can work under a single certified technician.

Perform all project testing with a department approved laboratory.

C.1.5 Department Testing

The department will perform the project testing for ASTM D5084-03 Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter.

D Measurement

The department will measure Pond Liner Clay in volume by the cubic yards, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
640.1303.S	Pond Liner Clay	CY

Payment is full compensation for dewatering areas of site where the clay liner is to be placed; for furnishing, placing and compacting the clay liner; and for performing all tests.

stp-640-016 (20210113)

13.7 Erosion Control.

Supplement standard spec 107.20 as follows:

Perform construction operations in a timely and diligent manner, continuing all construction operations methodically from the initial topsoil stripping operation through the subsequent grading and finishing to minimize the period of exposure to erosion.

Re-topsoil finished graded areas within 24 hours, or as designated by the engineer. Seed, fertilize, and mulch or erosion mat all topsoiled areas within five working days after placement of topsoil.

At a minimum or as the engineer directs, for every 10 feet of fill placed or cut created, measured vertically, the contractor shall finish grade to the lines and sections the plans show and place permanent erosion control items including out to the slope intercepts. Permanent erosion control includes, but is not limited to, topsoil, mulch, matting, rip rap, and seeding. Do not construct the subsequent 10-foot fill or cut section until the previous 10-foot fill or cut section is restored.

Prepare an Erosion Control Implementation Plan (ECIP) amendment detailing an over-winter erosion control plan. Present this ECIP amendment at a pre-winter shut down meeting with Wisconsin DNR and department staff prior to October 15th.

13.8 Temporary Ditch Checks.

Complete work according to standard spec 628 and as herein provided. Erosion bales will not be allowed for construction of temporary ditch checks.

Delete standard spec 628.3.14(2) and replace it with the following:

(2) Construct temporary ditch checks per guidance provided in the Wisconsin Erosion Control Product Acceptability List (PAL). Place temporary ditch checks across ditches at locations the plans show or as the engineer directs immediately after shaping the ditches or slopes. Excavate upstream sumps as the engineer directs.

Delete standard spec 628.4.17 and replace it with the following:

(1) The department will measure Temporary Ditch Checks by the linear foot, acceptably completed.

13.9 Seeding Rates.

Delete standard spec 630.3.5 and replace with the following:

(1) Use the following sowing rate for seeds in pounds per 1000 square feet:

- Temporary seeding at 3 pounds
- No. 10 at 3 pounds
- No. 20 at 5 pounds
- No. 30 at 5 pounds
- No. 35 at 5 pounds
- No. 40 at 5 pounds
- No. 45 at 5 pounds
- No. 60 at an equivalent seeding rate of 1.5 pounds[1]
- No. 75 at an equivalent seeding rate of 0.3 pounds[1]
- No. 80 at an equivalent seeding rate of 0.5 pounds [1]
- No. 85A, 85B, 90A and 90B at 0.25 pounds
- No. 95A and 95B at 0.128 pounds
- Nurse crop seeding at 0.8 pounds

13.10 Planting Mixture, Item SPV.0035.0110.

A Description

This special provision describes providing planting mixture at the locations the plans show. Conform to standard spec 632 and as follows.

B Materials

Provide Planting Mixture, as shown on plan. The planting mixture consists of the following blend by volume:

1. Two parts topsoil. Topsoil shall conform to standard spec 625.
2. One-part sand. Obtain the engineer’s approval for the sand.

3. One-part compost.

   Compost shall be either well-rotted shredded leaf mulch, free of disease; or well-rotted, unleached, stable or cattle manure containing no more than 25 percent by volume of straw, sawdust, or other bedding materials and free of toxic substances. Either shall be free of stones, sticks, soil, weed seeds, debris, and other material harmful to plant growth.

4. One part peat moss. Peat moss shall conform to standard spec 632.

C Construction

Ensure proper excavation of planting area for all areas to receive Planting Mixture. Prepare planting beds by removing any construction materials, stone, or other debris larger than 2 inches in length or diameter for entire area of planting bed and to depths indicated on plans.

Provide planting mixture over entire planting bed area and fine grade to match grades as indicated on plans or to adjacent back of curb or other hardscape surface as indicated on plans and account for settling. Place Planting Mixture in 6-inch to 8-inch lifts, watering in or tamping to reduce settling potential. A minimum of 12-inch depth shall be provided in all locations; depth varies, see plans.

Obtain approval of Planting Mixture depths, locations, and elevations by supervising engineer.

D Measurement

The department will measure Planting Mixture by the cubic yard, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRPTION	UNIT
SPV.0035.0110	Planting Mixture	CY

ner-632-020 (20190710)

Payment is full compensation for furnishing the mixture and for preparing and placing the mixture.

13.11 Northland Avenue Pond Outlet Storm Sewer Structure, Item SPV.0060.0200.

A Description

This special provision describes furnishing and installing manhole structures with baffle walls for storm sewer in-line detention at the Northland Avenue ponds.

B Materials

Furnish concrete manhole structures with a baffle wall and restrictor holes that are according to standard spec 501 and 611 and as shown on the plans.

C Construction

Field verify all existing connections. Ensure the sump depth as shown on the plans is 2-feet below the lowest pipe invert.

Conform to standard spec 611.

D Measurement

The department will measure Northland Avenue Pond Outlet Storm Sewer Structure as each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0200	Northland Avenue Pond Outlet Storm Sewer Structure	EACH

Payment is full compensation for furnishing and installing Pond Outlet Storm Sewer Structure and all incidentals to complete the work.

13.12 Reconnect Storm Sewer, Item SPV.0060.0201.

A Description

This special provision describes connecting proposed storm sewer pipe/structures to existing storm sewer pipe/structures or proposed pipe/structures.

B Materials

Use concrete masonry for concrete collar conforming to standard spec 520.2.4.

Furnish storm sewer pipe according to standard spec 608.2.

C Construction

Remove existing concrete collars, pipe seals or end walls constructed under previous projects or in earlier stages of this project as necessary to reconnect storm sewer. Ensure that positive drainage is achieved when connecting proposed pipe to existing structures or storm sewer. Salvage any structurally sound pipe that requires removal if prior approval is granted by the engineer. Make all necessary connections using the appropriate coupling, concrete collar, or by means approved by the engineer.

D Measurement

The department will measure Reconnect Storm Sewer as each location as specified in the plans, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0201	Reconnect Storm Sewer	EACH

Payment is full compensation for performing all work; removing seals, end walls and concrete collars, providing all materials, coring, couplings, concrete collars. Any additional pipe or materials required to reconnect the storm sewer shall be considered incidental to this bid item.

13.13 Storm Sewer Plug, Item SPV.0060.0203.

A Description

Install a Storm Sewer Plug at locations specified in the plans.

B Materials

Provide a precast reinforced concrete plug or an engineer approved alternative, conforming to the inside diameter of the corresponding pipe as shown on the plan.

All materials, if concrete, must conform to standard spec 501 and standard spec 611.

C Construction

Place a watertight plug in the end of the storm sewer pipe in a manner that seals the pipe but allows for future removal of plug without damaging the storm sewer pipe.

D Measurement

The department will measure Storm Sewer Plug as each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0203	Storm Sewer Plug	EACH

Payment is full compensation for furnishing and installing all required materials and removal in subsequent stage; and for furnishing all tools, labor, equipment and incidentals required to complete the work.

13.14 Detention Pond Anti-Seep Collar, Item SPV.0060.0204.

A Description

This special provision describes furnishing and installing low permeable clay around pipes at pond outlet control structures at the locations shown on the plans.

B Materials

Furnish materials and testing of materials as specified in Item 640.1303.S of these special provisions.

C Construction

Construct clay anti-seep collars to the locations and extents as shown in the plans. Construct, place, and compact clay for anti-seep collars as specified in Item 640.1303.S of these special provisions.

D Measurement

The department will measure Anti-Seep Collar as each individual collar, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0204	Detention Pond Anti-Seep Collar	EACH

Payment is full compensation for dewatering areas of site where the low permeable clay is to be placed; for furnishing and placing and compacting the low permeable clay and all incidentals to complete the work.

13.15 Cover Plates, Item SPV.0060.0205.

This special provision describes providing steel plates to cover and support construction and traffic loadings at existing field inlets. Conform to standard spec 611, as the plans show, and as follows.

B Materials

Provide a 0.5-inch minimum thickness steel plate that extends to the outside edge of the existing masonry.

C Construction

Cover the portion of existing field inlets where proposed grading covers the existing grate. Cover plates will remain in place after completion of this project.

Clean out all soil, debris, other accumulated matter, and materials deposited or lodged due to the contractor's operations from the structure before placing the cover plate on the structure. Place cover plate over portion of existing field inlet which is below the proposed ditch flow line elevation. Do not extend covers above the proposed flow line to prevent flow bypass of the inlet.

D Measurement

The department will measure Cover Plates as each unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0205	Cover Plates	EACH

Payment is full compensation for cleaning out; and furnishing and installing the cover plate.

ner-611-015 (20171213)

13.16 Drain Slotted Vane ADA Compliant, Item SPV.0060.0206.

A Description

This special provision describes providing slotted vane drain as the plans show conforming to standard spec 611; standard detail drawing 8D14, "Slotted Vane Drain"; and as modified in this special provision. The Drain Slotted grate needs to be ADA Compliant per current ADA Standards.

B (Vacant)

C Construction

Before encasing the pipe in concrete, cover the upper end of the slotted drain as the plans show, or as approved by the engineer.

Before construction operations adjacent to the slotted area of the slotted vane drain pipe, cover the slots on the top of the drain. Remove any material entering the pipe at the contractor's expense.

Exercise care to avoid damage to the slotted vane drainpipe. If any section of pipe is damaged or is unsatisfactory as determined by the engineer, replace the drainpipe at the contractor's expense.

D Measurement

The department will measure Drain Slotted Vane ADA Compliant as each individual drain slotted van, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0206	Drain Slotted Vane ADA Compliant	EACH

Payment is full compensation for furnishing all materials; hauling and placing the pipe; making connections to existing inlets; furnishing concrete masonry, end plug or cap; and cleaning out and restoring site of work.

13.17 Manhole 8-FT Riser Pipe Grate, Item SPV.0060.0207.

A Description

This special provision describes furnishing and installing a galvanized steel pipe grate for the Pond Outlet Control Manhole Structure #6126-S3B.

B Materials

Furnish steel conforming to the requirements of standard spec 506.2.2.1. Furnish pipe grate, angles, and brackets galvanized according to ASTM A123. Furnish required hardware galvanized according to ASTM A153. Provide accessible hinged opening for maintenance access.

C Construction

Embed steel adhesive anchors to a minimum depth of 5”.

Conform to standard spec 611.

D Measurement

The department will measure Riser Pipe Grate by each unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0207	Manhole 8-FT Riser Pipe Grate	EACH

Payment is full compensation for furnishing and installing the Riser Pipe Grate and all incidentals to complete the work.

13.18 Street Sweeping, Item SPV.0075.0100.

A Description

This special provision describes removing small dirt and dust particles from the roadway using a street sweeper periodically during the project as the engineer directs.

B Materials

Furnish a vacuum-type street sweeper equipped with a power broom, water spray system and a vacuum collection system.

Use vacuum equipment with a self-contained particulate collector capable of preventing discharge from the collection bin into the atmosphere.

Use a vacuum-type sweeper as the primary sweeper, except as specified in this special provision or approved by the engineer.

Use a vacuum, water spray system, or other engineer-approved method to clear debris from scuppers in existing concrete barrier walls.

C Construction

Provide sweeping of pavement, sidewalk, driveways, curb lanes and gutters on local-street active haul routes as directed by the engineer.

D Measurement

The department will measure Street Sweeping by the hour that the street sweeper is on the project actively picking up and removing debris from the roadway.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0075.0100	Street Sweeping	HRS

Payment is full compensation for mobilization; sweeping, vacuuming and water spray; disposing of materials; and submitting the hourly meter tickets each day the sweeper is used.

13.19 Low Maintenance Seed Mix, Item SPV.0085.0100.

A Description

This special provision describes furnishing and sowing low-maintenance seed at the locations the plans show. Conform to standard spec 630 and as follows.

B Materials

Furnish one of the following seed mixes: “No-Mow” seed mix as produced by Prairie Nursery, Westfield, Wisconsin; “Eco-Grass” as produced by Prairie Moon Nursery, Winona, Minnesota; or an approved equal.

C Construction

Prepare the seed bed conforming to standard spec 630.3.2. Sow the seed mix conforming to standard spec 630.3.3. Sow seed at a rate that is conforming to the manufacturer’s recommendations.

D Measurement

The department will measure Low Maintenance Seed Mix by the pound, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0085.0100	Low Maintenance Seed Mix	LB

Payment is full compensation for performing the work as described in 630.5 of the standard specification.

ner-630-005 (20190709)

13.20 Sump Pump Connections, Item SPV.0090.0200.

A Description

This special provision describes reconnecting existing storm sewer laterals, private connections, and sump pump connections to structures or pipe, new or existing.

B Materials

Furnish unperforated pipe and connections that are according to standard spec 612.2.6.

Furnish concrete according to standard spec 501 for concrete collar.

C Construction

Identify all private laterals in existing structures prior to that structure's removal. Remove existing lateral pipes to the next good joint and replace in-kind. Verify that positive drainage is achieved when connecting to the new inlet or curb outlet structure. The contractor will be allowed to salvage any structurally sound pipe that was removed with prior approval by the engineer. Connect the existing pipes to the new pipes with the appropriate coupling, concrete collar or by means approved by the engineer. Any additional pipe or materials required to reconnect the storm sewer laterals shall be considered incidental to this bid item. Ensure pipe opening is a minimum of 6” below top of structure.

D Measurement

The department will measure Sump Pump connections by the linear foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.0200	Sump Pump Connections	LF

Payment is full compensation for furnishing and installing the Sump Pump Connections, storing any salvaged materials, and all incidentals to complete the work. Payment for locating the existing sump pump outlet shall be paid under the Drain Tile Exploration item.

13.21 Precast Trench Drain, Item SPV.0090.0205.

A Description

This special provision describes providing a precast trench drain system as the plans show. Conform to standard spec 415 and 611 and as follows.

B Materials

B.1 Documentation

Submit manufacturer's specifications, certifications, and installation instructions for grates, frames, connections, and precast drain channel two weeks before placement for engineer approval.

B.2 Frames and Grates

Furnish frames and grates manufactured of ductile iron conforming to ASTM A536 and meets AASHTO HS-25 load ratings for heavy duty high speed traffic. Ensure that frames and grates are one piece anchored into the body of the line drain, except where the plans show removable grates.

For removable grates, provide a repetitive minimum pullout resistance of 340 pounds per foot of length after completion of 1,000 hours of salt spray testing according to ASTM B117. Match removable grates to their frames in pairs before delivery to the worksite. Ensure that grates fit into frames without rocking. Furnish corrosion resistant locking devices for removable grates.

Secure the trench drain system in concrete according to the manufacturers specifications. Use concrete conforming to standard spec 415.2.1.

Furnish concrete curing compounds conforming to standard spec 415.2.4.

B.3 Precast Drain Channel

Furnish precast drain channel sections constructed of monolithic polymer concrete. Ensure that the interior surface of the channel is smooth below the level of the frame, grate, and associated connections. Use polymer concrete consisting of aggregate with either polyester resin or vinylester resin. Ensure that the polymer concrete conforms to the following:

Property	ASTM Test Method	Value
Compressive Strength	C-579	12,000 psi minimum
Tensile Strength	C-307	1,500 psi minimum
Flexural Strength	C-580	3,000 psi minimum
Moisture Absorption	C-140	5% max
Chemical Resistance	C-267	Pass
Freeze Thaw	C-666	1,600 minimum cycles without weight loss

C Construction

Excavate trench channel to the lines and grades the plans show. Grade and compact the bottom of the trench to provide firm and uniform bearing throughout.

Install the trench drain channel, trench drain joints, and connections according to manufacturers' instructions. Install trench drains to the lines and grades the plans show. Securely join sections of the precast drain channel to prevent separation during backfilling. Connect to existing drainage facilities as the plans show before placing concrete backfill.

Place concrete in channel without floating or shifting the line drain and without concrete segregation. Secure the frames or the line drain wall into the concrete with steel anchoring rods. Ensure that concrete backfill is flush with the adjacent surfaces and with the drain's frame. Texture the surface of the concrete with a broom or burlap to produce a durable, skid-resistant surface.

D Measurement

The department will measure Precast Trench Drain by the linear foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.0200	Precast Trench Drain	LF

Payment is full compensation for providing precast trench drain; for excavation; aggregate base materials; for concrete backfill; and for removal/disposing of waste materials and restoring the site.

14. Miscellaneous Concrete.

14.1 Protection of Concrete.

Add to standard spec 415.3.14:

The contractor shall provide for a minimum of one concrete finisher to remain on the project site after final finishing of all concrete surfaces until the concrete has hardened sufficiently to resist surface scarring caused by footprints, handprints, or any other type of imprint, malicious or otherwise. The finisher shall actively and continuously patrol on foot the newly placed concrete and repair any damage to the surface that might be sustained as described above.

The cost for providing the finisher(s), the necessary equipment, and materials is incidental to the contract.

ner-415-015 (20180326)

14.2 Coloring Concrete Custom, Item 405.0200.

This special provision describes coloring concrete Outagamie gray for incorporation full-depth in work constructed under other contract bid items. Conform to standard spec 405 as modified in this special provision.

Replace standard spec 405.2.1.1(1) with the following:

(1) Integrally color concrete using non-fading pigments conforming to ASTM C979.

- For Outagamie gray: use synthetic iron oxide at a loading of 6 percent or more by weight of total cementitious material in the mix. Match the concrete color in reasonably close conformance with Butterfield "UCP U28 Charcoal" color, which is similar to Federal Standard 595 - FS 26081.

Replace standard spec 405.2.1.1(3) with the following:

(3) The department will accept the color based on comparison to color samples available for viewing at Outagamie County Highway Department.

stp-405-020 (20190618)

Replace standard spec 415.2.1.2(1) with the following.

(1) Furnish a two-part curing compound conforming to ASTM C1315, type 1. First part glossy, second part matte.

15. Signing and Marking.

15.1 Blue Specific Service Signs.

Add the following to standard spec 638.3.4:

Do not remove or move blue specific service signs or their associated posts. Specific service signs are signs with logos that identify commercial entities providing gas, food, lodging, camping, or attractions. A separate contractor, Interstate Logos - Wisconsin, is responsible for these signs. Contact Interstate Logos - Wisconsin at (844) 496-9163 a minimum of 14 calendar days in advance to coordinate removing, moving, or re-installation of these signs.

The contractor is responsible for damage done to these signs due to contractor operations.

stp-638-010 (20150630)

15.2 Temporary Overhead Sign Structure (S-01-0001-TEMP), Item SPV.0060.1000; Transporting Temporary Overhead Sign Structure (S-01-0001-TEMP), Item SPV.0060.1005.

A Description

This special provision describes transporting, installing, maintaining, and removing state owned Temporary Overhead Sign Structure(s) and bases as shown on the plans.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 531 and 532 and as shown in the plans.

Provide couplers with the nut specification recommended for F1554 Grade 55 anchor rods and provide a minimum thread engagement of 1".

Provide new high strength bolts, anchor rods, top and leveling nuts, and washers with each installation.

C Construction

Each component of the structure shall include permanent structure number and piece mark for foundation blocks, columns, and beam sections. Shop drawings can be obtained from the WisDOT Highway Structures Information System (HSI) by searching for Structure S-01-0001-TEMP. Shop drawings are for information only.

Construct the leveling pads that are level and constructed of 1¼" dense graded base according to standard spec. 305. Place concrete foundation units on prepared leveling pad foundations.

Transport structure components including foundation blocks to the construction site. Provide equipment necessary to load foundation blocks with an estimated weight of 22,400 lbs.

Column and chord members shall be erected according to standard spec 532.3. Chord members shall be connected on the ground prior to placing on columns.

Install anchor rods according to DT2321.

Install high strength bolts according to DT2322. Bolts attaching the sleeve to the top of the column should be snug tight only.

For reinstallation of previously accepted Temporary Overhead Sign Structure components, the contractor shall provide new F1554 grade 55 threaded rods, high strength bolts, nuts, and washers that had been removed when the structure was stored. New high strength bolts, unless from a previously tested lot shall have pre-installation testing performed using DT2322. The contractor shall follow the previously approved plans and shops for reinstallation.

Connected elements of Temporary Overhead Sign Structures shall be inspected by the contractor prior to placing the chord on the columns. Columns shall be anchored to the foundation blocks and chord members shall be bolted together. Procedures for inspection and reporting shall be according to 532.3.8(2). Structures must be inspected each time the structure is to be erected over traffic. When removed from a project to be stored, the State Ancillary Project Manager shall be notified by the engineer.

Prior to transporting to the site or when no longer required for use in the contract, transport Temporary Overhead Sign Structures to:

WisDOT CO Sign Shop 3609 Pierstorff St.
Madison, WI 53704

Coordinate with the following for drop off instructions.

Primary contact: Jon Eldridge, (608) 246-3270, jonathan.eldridge@dot.wi.gov

Secondary contact: Matt Rauch, (608) 246-5305, matt.rauch@dot.wi.gov

Provide a minimum of 48-hour notice, prior to picking up or dropping off the structures at the sign shop.

The contractor shall prevent damage to the structure components at all times, including during transport and storage.

Store steel components so they are not lying on the ground. Place steel components on sufficient cribbing to keep them straight and clear of the ground.

Remove leveling pads and restore site to a condition at least equal to the condition existing prior to installation of the structure.

D Measurement

The department will measure Temporary Overhead Sign Structure and Transporting Temporary Overhead Sign Structure as each individual structure, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.1000	Temporary Overhead Sign Structure (S-01-0001-TEMP)	EACH
SPV.0060.1005	Transporting Temporary Overhead Sign Structure (S-01-0001-TEMP)	EACH

Payment for Temporary Overhead Sign Structure is full compensation for furnishing all materials and miscellaneous items required for handling, erecting, inspecting, removing, storing, and reinstalling during the contract. Payment also includes leveling pad excavation and materials, trucking between work sites, and removing after contract completion.

Payment for Transporting Temporary Overhead Sign Structure is full compensation for loading, unloading, and transporting the structure and foundation blocks to and/or from the designated WisDOT storage site prior to and/or after contract completion, and for coordinating with the contacts listed.

16. Lighting and Electrical.

16.1 General Requirements for Electrical Work.

Contact information for the Wisconsin Department of Transportation Northeast Region

- ITS - Kimberly Bradley, (920) 366-7521 kimberly.bradley@dot.wi.gov
- Traffic Signals – Kimberly Bradley, (920) 366-7521 kimberly.bradley@dot.wi.gov
- Lighting – Matthew Talcott, (920) 360-4749 matthew.talcott@dot.wi.gov

Notify the department's Northeast Region Electrical Unit at (920) 366-7521 at least three weeks prior to beginning the electrical work.

16.2 Notice to Contractor – Electrical Equipment Lead Time.

Order equipment for ITS, traffic signals and lighting as soon as possible to assure the equipment is procured in a timely fashion and, therefore, installed, inspected and ready for turn-on at the required date. Coordinate with the engineer on the latest material lead time within 14 days of the notice to proceed.

16.3 Electrical Meetings.

Electrical Kick Off Meeting

No later than 5 working days prior to starting any electrical installation construction activities, arrange and conduct an Electrical Kick Off Meeting between the department, the engineer, and electrical subcontractors to discuss the construction of the electrical elements of the project including traffic signals, roadway lighting systems, Intelligent Transportation Systems (ITS), and all other electrical facilities.

During the electrical kick off meeting, the contractor may be requested to provide additional workplan information related to the electrical installation activities. Upon completion of the electrical kick off meeting and acceptance of any additional requested workplan information, the contractor will be given authorization to proceed with electrical construction activities. The contractor shall not start work on electrical installation activities until after authorization has been given by the engineer.

Additional Electrical Meetings

Arrange and conduct additional electrical progress meetings between the department, the engineer, and electrical subcontractors no later than 5 working days prior to:

1. Energizing new systems.
2. Opening roadway
3. Final inspection

Electrical Meeting Requirements

The contractor shall make meeting requests through the engineer not later than 10 working days prior starting any electrical installation construction activities. The engineer will arrange the meeting location and time. Electrical meetings shall be held during regular working hours between 9:00 AM and 5:00 PM Monday through Friday.

The department shall prepare and distribute an agenda three working days prior to the electrical meeting.

At the electrical meeting, prepare to discuss the following information as applicable to the electrical work included in the project:

1. Inspection Expectations
    a. Project walk-throughs.
    b. Staking and verification of locations.
    c. Location and orientation of cabinet bases.
2. Contractor Work Operations
    a. Provide names and qualifications of personnel that will be working on the project.
    b. Provide shop drawings, materials documentation, and lead times.
    c. Coordination of electrical service application, installation, and reimbursement.
    d. Locations and elevations of electrical work.
    e. Schedule and operations for contract work – include critical path items and responsible parties.
    f. Electrical work completed by others.
    g. Temporary installations and connections.
    h. End of shift site requirements.
    i. Process for energizing new facilities.
    j. Timely measurement and agreement of quantities.
3. Traffic Control Requirements
    a. Traffic control requirements.
    b. Roadway lighting requirements for opening roadways.
    c. Staged ITS requirements.
4. Safety

The department will prepare meeting minutes.

The contractor and electrical subcontractor are required to attend all electrical meetings. Electrical meetings are considered incidental to the electrical work.

16.4 Electrical Service for WisDOT DDI at IH 41 SB & STH 15, IH 41 NB & STH 15.

A Description

Work under this item shall be according to standard spec 656 with the following additions.

B Materials

Replace standard spec 656.2.3 with the following:

(1) Furnish an approved service having a meter breaker pedestal, 22,000-AIC circuit breakers unless the local utility requires otherwise, grounding electrodes and connections, conduit and fittings, and all necessary conductors and equipment required by the WSEC and the utility for a service connection. Furnish a pedestal for any meter with shared uses which are intended to provide

electrical service for either a WisDOT street lighting system and/or a WisDOT FTMS system, as well as a WisDOT traffic signal system as follows:

a. One (1) 100 A 2-Pole breaker (Lighting)

b. One (1) 30 A 2-Pole breaker (FTMS)

c. One (1) 30 A single pole breaker (Signals)

d. One (1) 20 A single pole breaker (Signals)

(2) 100 A and 30 A 2-pole breakers are not required for non-shared meter pedestals. When the meter breaker pedestal is energized, install an approved meter seal at all access points on the meter trough. Meter shall be time of use type.

C Construction

The contractor is responsible for making early application for the installation of the electric service lateral.

Contact the local electric company to make application and request a time of use meter. The future monthly invoices can go to the following address:

IH 41 NB & STH 15:

WisDOT Expenditure Acct (S44-0664)
P.O. Box 7366
Madison, WI 53707-7366

IH 41 SB & STH 15:

WisDOT Expenditure Acct (S44-0665)
P.O. Box 7366
Madison, WI 53707-7366

Add the following to standard spec 656.3.1:

(3) Feeder wire between meter pedestal and main panel board shall be routed through the bottom of the cabinet enclosure and within conduit. Entry through the side of the cabinet enclosure is not allowed.

Amend standard spec 656.3.2(1) as follows:

The local utility shall furnish and install a 200 A, 120/240 volt AC, single phase, 3-wire underground electrical service lateral. Arrange and assume responsibility for the timely installation of the service lateral by the utility. The lateral shall be terminated at a meter pedestal as the plans show.

D (Vacant)

E (Vacant)

16.5 Poles Type 5 Aluminum, Item 657.0322; Poles Type 5 Steel, 657.0321.

Replace standard spec 657.2.1.1(6) and add 657.2.1.1(7):

(6) Furnish identification plaques according to the plan numbering. Coordinate with the Northeast Region Electrical Unit for information to be included with pole plaques.

(7) Install PVC rodent screens according to the WisDOT qualified products list https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/tools/prods/misc.aspx for all structure mounted light poles, FTMS cameral poles, monotubes or as directed by the engineer in the field.

16.6 Lamp, Ballast, LED, Switch Disposal by Contractor, Item 659.5000.S.

A Description

This special provision describes the detachment and packaging of lamps, ballasts, LEDs, and mercury containing switches (e.g., overhead roadway lighting, underdeck bridge, wall packs, pedestrian signals, traffic control stop lights and warning flashers, fluorescent bulbs, and thermostats) removed under this contract for disposal as hazardous materials.

For Lamp, Ballast, LED, Switch Disposal by Contractor, coordinate removal from the work site by the department's hazardous waste disposal vendor. Disposal will be billed to the department by the hazardous waste disposal vendor.

B Materials

B.1 Disposal by Contractor

Items removed under this contract will be considered the property of the department for waste generator identification. The contractor is responsible for coordinating with the department's hazardous waste vendor for disposal:

https://wisconsindot.gov/Documents/doing-bus/eng-consultants/cnslt-rsrces/environment/hazwaste-contacts.pdf

C Construction

C.1 Removal

Arrange for the de-energizing of luminaires after receiving approval from the engineer that the existing luminaires can be removed. Do not remove luminaires that cannot be replaced with proposed LED units and operational within the same workday. The new LED units need to be operational prior to sunset of the same workday.

Detach and remove luminaires and lamps from the existing traffic signal poles or respective structure. Avoid breaking fixtures whenever possible.

Lamps, ballasts, LED, and switches will become property of the department, and will be disposed of in an environmentally sound manner.

C.2 Packaging of Hazardous Materials

Provide a secure, level location removed from the travelled way for storage of the material for disposal.

Pack intact fixtures in the packaging of the new lamps used to replace them, or packaging affording the equivalent protection. Place in full, closed stackable cartons.

Pile cartons no more than four high if palletized and secure cartons with shrink wrap to prevent shifting or falling of the loads. Clearly mark each pallet with the words "Universal Waste Lamps" or "Universal Waste Ballasts", the date, and the number of fixtures on each pallet.

Pack broken fixtures into (min.) 6 mil thick plastic bags and place inside sturdy cardboard boxes or the equivalent. Mark the outer packaging with the term "Broken Fixtures/Lamps", the date and the number of broken fixtures clearly marked on the box.

The hazardous waste vendor will not accept fixtures improperly packaged. The vendor will reject any fixtures not removed as part of a contract pay item or otherwise required under this contract.

Pack ballasts and mercury containing switches in appropriate containers.

C.3 Disposal by Contractor

Complete the lamp and ballast inventory (https://wisconsindot.gov/Documents/doing-bus/eng-consultants/cnslt-rsrces/environment/dotlampballastinventory.dotx) and contact the hazardous waste vendor to coordinate pickup and disposal at a location specified by the contractor. Consolidate all pallets and boxes from one project at a single location. Contact the hazardous waste vendor to set up an appointment for pickup. The hazardous waste vendor requires a minimum of one week advance notice to schedule pickup.

D Measurement

The department will measure Lamp, Ballast, LED, Switch Disposal by Contractor as each individual unit removed and received by the hazardous waste vendor, properly packaged and acceptably completed, matching the total number of units provided on the inventory form. The department will not measure broken fixtures that exceed a total of 10 percent of all fixtures to be disposed.

The department will measure Lamp, Ballast, LED, SWITCH Disposal by Department as each individual unit removed and delivered to the department, properly packaged and acceptably completed, matching the total number of units provided on the inventory form. The department will not measure broken fixtures that exceed a total of 10 percent of all fixtures to be disposed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH

Payment for Lamp, Ballast, LED, Switch Disposal by Contractor is full compensation for detachment, handling, packaging, labeling and scheduling disposal with the hazardous waste vendor; and scrapping and disposal of all other materials.

stp-659-500 (20220628)

16.7 Anchor Bolt Cover Shroud, Item SPV.0060.0500.

A Description

This work shall be according to the requirements of standard spec 657, the plans, standard detail drawings, and as hereinafter provided.

B Materials

Furnish aluminum cover shroud according to the plans and standard spec 657.2.6 and as hereinafter provided:

Housing and cover plate shall be 12-gauge aluminum. Rivets for attaching the cover plate to the housing shall be aluminum and sized according to the specifications determined by the fabricator of the unit. Provide nonmetallic washers between cover shroud and steel lock washer.

C Construction

According to the plans and standard spec 657.3 and as hereinafter provided:

Follow all manufacturer installation guidelines for installation of cover shroud and accessories. Apply silicone sealant between the top of the cover shroud body and the aluminum cover plate.

Cover shrouds shall be installed at the locations noted on the plans for streetlights 200, 201 and 202.

D Measurement

The item will be measure Anchor Bold Cover Shroud as each individual shroud, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0500	Anchor Bolt Cover Shroud	EACH

Payment is full compensation for transporting all materials and installing a complete unit.

16.8 Concrete Control Cabinet Double Base, Item SPV.0060.0501.

A Description

This work shall be according to the requirements of standard spec 654, the plans, standard detail drawings, and as hereinafter provided.

B Materials

According to the plans and standard spec 654.2.

C Construction

According to the plans and standard spec 654.3 and as hereinafter provided.

This item includes measuring the cabinets to ensure proper sizing and location of electrical conduit stubs. Provide verification and obtain approval from the engineer prior to pouring the base. Refer to standard detail drawings for Concrete Control Cabinet Base, Type 9, Special, and Concrete Control Cabinet Base, Type L for details not shown in the plans.

D Measurement

The department will measure Concrete Control Cabinet Double Base by the unit, acceptably completed.

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0501	Concrete Control Cabinet Double Base	EACH

E Payment

Payment for the Bases bid item is full compensation for providing concrete bases; for embedded conduit and electrical components; for anchor rods, nuts and washers; for bar steel reinforcement; for aggregate, excavating, backfilling, restoring asphaltic surfaces, and disposing of surplus materials.

16.9 Remove Traffic Signal IH 41 SB & STH 15, Item SPV.0060.0600; Remove Traffic Signal IH 41 NB & STH 15, Item SPV.0060.0601.

A Description

This work shall consist of removing the existing traffic signal equipment from the intersection of IH 41 SB & STH 15 and IH 41 NB & STH 15 according to the requirements of standard spec 657 and standard spec 658, standard detail drawings, and as hereinafter provided.

B (Vacant)

C Construction

After coordination with the NE Region Electrical Unit, Kim Bradley at (920) 366-7521, the existing traffic signal equipment shall be disconnected from the concrete bases and transported off site to the electrical subcontractor facilities and/or to a recycling/garbage facility.

D Measurement

The department will measure Remove Traffic Signal bid item as each unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0600	Remove Traffic Signal IH 41 SB & STH 15	EACH
SPV.0060.0601	Remove Traffic Signal IH 41 NB & STH 15	EACH

Payment is full compensation for removal and transporting to the appropriate facility.

16.10 Liquid Tight Flexible Nonmetallic Conduit 2-Inch, Item SPV.0090.0500.

A Description

This special provision describes furnishing and installing a liquid tight flexible nonmetallic conduit according to the requirements of standard spec 652, the plans, standard detail drawings, and as hereinafter provided.

B Materials

According to the plans and standard spec 652.2, and as hereinafter provided. Any required fittings shall be considered incidental to this bid item.

C Construction

According to the plans, standard spec 652.3, and as hereinafter provided.

Coordinate with the engineer in the field to ensure sufficient slack is provided in the conduit to accommodate any expansion or deflection of the structure.

Follow all manufacturer installation guidelines for installation of conduit.

D Measurement

The department will measure Liquid Tight Flexible Nonmetallic Conduit 2-Inch by the linear foot of conduit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.0500	Liquid Tight Flexible Nonmetallic Conduit 2-Inch	LF

Payment is full compensation for furnishing and installing Liquid Tight Flexible Nonmetallic Conduit 2-Inch as shown on the plans, any necessary fittings, and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work in a professional and acceptable manner.

17. FTMS/ITS.

17.1 Intelligent Transportation Systems (ITS) – Control of Materials.

Standard spec 106.2 – Supply Source and Quality

Add the following to standard spec 106.2:

The department will furnish a portion of equipment to be installed by the contractor. This department-furnished equipment includes the following:

Department-Furnished Items
Camera Assembly
Pole Mounted Cabinet
Wireless Antenna
Ethernet Switches
Small Form Pluggable
Fiber Optic Termination (12-CT Panel)
Fiber Optic Cable Outdoor Plan 12-CT
Fiber Optic Cable Outdoor Plan 24-CT
Fiber Optic Cable Outdoor Plan 72-CT

Pick-up small department-furnished equipment, such as communications devices, cameras, and controllers, from the department's Traffic Management Center (TMC), 433 W. St. Paul Ave., Milwaukee, WI 53203 at a mutually agreed upon time during normal state office hours. Contact the Statewide ITS Engineer, Dean Beekman at (414) 227-2154 to coordinate pick-up of equipment.

Pick up cabinets and solar power systems, including batteries, at the department's TMC equipment storage facility at 633 W. Wisconsin Ave., Milwaukee, WI 53203 at a mutually agreed upon time during normal state office hours. Contact Dean Beekman to coordinate pick-up of equipment.

Large department-furnished equipment, such as camera poles and dynamic message signs will be delivered by the supplier to a contractor-controlled site identified by the contractor. Delivery will not necessarily be in a "just in time" manner. Store the equipment until field installation.

Within two weeks of Notice to Proceed, contact the engineer and Dean Beekman. Provide the address and contact information for the contractor-controlled location for delivery and the desired delivery schedule for the large state-furnished materials.

Transportation of the equipment between the electric shop and the field or interim locations are the responsibility of the contractor.

Standard spec 106.3 – Approval of Materials

Add the following to standard spec 106.3:

Design/Shop Drawings

Before the purchase and/or fabrication of any of the components listed herein, and for any non-catalog item shown on the Material and Equipment List specified above, and no more than 30 days after notice to proceed, submit five copies of design drawings and shop drawings, as required, to the department for review. The items and the drawings that represent them shall meet the requirements of the standard specifications.

Design drawing submissions shall consist of signed and certified designs, design drawings, calculations, and material specifications for required items.

Shop drawings will be required for, but not limited to the following:

1. Mounting assemblies for the vehicle speed and classification sensors, including their attachment to the structure.
2. Mounting LED warning signs to the sign structure.
3. Mounting detail for dynamic message signs.
4. Any contractor-designed structure or foundation.

The department will complete its review of the material within 30 days from the date of receipt of the submission, unless otherwise specified. The department will advise the contractor, in writing, as to the acceptability of the material submitted. The department may determine that if no exceptions were taken for the item, it is approved, and no further action is required by the contractor; or the item may be partially or totally rejected, in which case modify and/or amend the submittal as required by the department and resubmit the item within 14 days. At this time, the review and approval cycle described above will begin again.

stp-670-005 (20230629)

17.2 Intelligent Transportation Systems - General Requirements.

A Description

A.1 General

This special provision describes providing elements for an Intelligent Transportation System (ITS) in or along the existing roadway as the plans show.

Unusual aspects of this project include:

1. The project includes working on cables and equipment that are carrying data between roadside equipment and the department's Traffic Management Center (TMC). Interruption of this service is not expected to perform this work. If an interruption is determined necessary, it must be done on a weekend, and must be done in a way that minimizes communication outages for the existing equipment. Notify the department's TMC at least 48 hours in advance of the planned interruption.
2. The department will furnish some of the equipment to be installed. Make a reasonable effort to discover defects in that equipment before installing it.

A.2 Surge Protection

Equip every ungrounded conductor wire entering or leaving any equipment cabinet with a surge protector. For purposes of this section, multiple cabinets on a single pole or foundation are considered a single cabinet.

B Materials

B.1 General

Only furnish equipment and component parts for this work that are new and have high quality workmanship. All controls, indicators, and connectors shall be clearly and permanently labeled in a manner approved by the engineer. All equipment of each type shall be identical.

All electrical equipment shall conform to the standards and requirements of the Wisconsin Electrical Code, the National Electrical Manufacturers Association (NEMA), National Electric Safety Council (NESC), Underwriter's Laboratory Inc. (UL) or the Electronic Industries Association (EIA), when applicable. All materials and workmanship shall conform to the requirements of the National Electrical Code (NEC), Rural Electrification Administration (REA), Standards of the American Society for Testing and Materials (ASTM), American Association of State Highway and Transportation Officials (AASHTO), requirements of the plans these special provisions, the standard specifications, and to any other codes, standards, or ordinances that may apply. All system wiring, conduit, grounding hardware and circuit breakers shall be in conformance with the National Electrical Code. Whenever reference is made to any of the standards mentioned, the reference shall be considered to mean the code, ordinance, or standard that is in effect at the time of the bid advertisement.

B.2 Outdoor Equipment

All conductive connectors, pins (except pins connected by soldering), and socket contacts shall be gold plated. Acrylic conformal coating shall protect each circuit board side that has conductive traces. Except for integrated circuits containing custom firmware, all components shall be soldered to the printed circuit board.

To prevent galvanic corrosion, all connections between dissimilar metals shall incorporate a means of keeping moisture out of the connection. Where the connection need not conduct electricity, interpose a non-absorbing, inert material or washer between the dissimilar metals. Use nonconductive liners and washers to insulate fasteners from dissimilar metals. Where the connection must conduct electricity, use a conductive sealant between the dissimilar metals. Alternatively, use an insulating gasket and a bond wire connecting the two metal parts.

B.3 Custom Equipment

Equipment that is not part of the manufacturer's standard product line, or that is made or modified specifically for this project, shall conform to the following requirements:

Where practical, electronics shall be modular plug-in assemblies to facilitate maintenance. Such assemblies shall be keyed to prevent incorrect insertion of modules into sockets.

All components shall be available from multiple manufacturers as part of the manufacturers' standard product lines. All must be clearly labeled with the value, part number, tolerance, or other information sufficient to enable a technician to order an exact replacement part.

Lamps used for indicator purposes shall be light-emitting diodes.

The printed circuit boards shall be composed of "two-ounce" copper on 1/16 inch thick fiberglass epoxy or equivalent type construction. Holes that carry electrical connections from one side of the boards to the other shall be completely plated through. Multilayer printed circuit boards shall not be used. The name or reference number used for the board in the drawings and maintenance manuals supplied to the department shall be permanently affixed to each board.

All components shall be mounted so that the identifying markings are visible without moving or removing any part, if practical.

B.4 Environmental Conditions

Equipment shall continue to operate as specified under the following ranges of environmental conditions, except as noted in the specifications for individual pieces of equipment.

1. **Vibration and Shock:** Vehicle speed and classification sensors and any other equipment mounted atop poles or on structures shall not be impaired by the continuous vibration caused by winds (up to 90 mph with a 30 percent gust factor) and traffic.
2. **Duty Cycle:** Continuous
3. **Electromagnetic Radiation:** The equipment shall not be impaired by ambient electrical or magnetic fields, such as those caused by power lines, transformers, and motors. The equipment shall not radiate signals that adversely affect other equipment.
4. **Electrical Power:**
    - 4.1. **Operating power:** The equipment shall operate on 120-volts, 60-Hz, single-phase unless otherwise specified. It shall conform to its specified performance requirements when the input voltage varies from 89 to 135 volts and the frequency varies +3 Hz.
    - 4.2. **High frequency interference:** The equipment operation shall be unaffected by power supply voltage spikes of up to 150 volts in amplitude and 10 microseconds duration.
    - 4.3. **Line voltage transients:** The equipment operation shall be unaffected by voltage transients of plus or minus 20 percent of nominal line voltage for a maximum duration of 50 milliseconds. Equipment in the field shall meet the power service transient requirements of NEMA Standard TS-2 when connected to the surge protectors in the cabinets.
5. **Temperature and Humidity:**
    - 5.1. **Field equipment:** Equipment in the field shall meet the temperature and humidity requirements of NEMA Standard TS-2. Liquid crystal displays shall be undamaged by temperatures as high as 165 degrees F, and shall produce a usable display at temperatures up to 120 degrees F.
    - 5.2. **Equipment in Controlled Environments:** shall operate normally at any combination of temperatures between 50 degrees F and 100 degrees F, and humidity's between 5 percent and 90 percent, non-condensing, and with a temperature gradient of 9 degrees F per hour.

B.5 Patch Cables and Wiring

All cables and wiring between devices installed in a single cabinet, or in separate cabinets sharing a single concrete base, will be considered incidental to the installation of the devices and no separate payment will be made for them. It is anticipated that this will include fiber optic patch cables between termination panels and Ethernet switches, 10 / 100 MBPS Ethernet cables, RS-232 cables between individual devices and terminal servers, and power cables between individual devices and power sources within the cabinets.

B.6 Surge Protection

Low-voltage signal pairs, including twisted pair communication cable entering each cabinet shall be protected by two-stage, plug-in surge protectors and shall be installed on both ends of camera control cables. The protectors shall meet or exceed the following minimum requirements:

1. The protectors shall suppress a peak surge current of up to 10k amps.
2. The protectors shall have a response time less than one nanosecond.
3. The protector shall clamp the voltage between the two wires at a voltage that is no more than twice the peak signal voltage and clamp the voltage between each wire and ground at 50 volts.
4. The first stage of protection shall be a three-element gas discharge tube, and the second stage shall consist of silicon clamping devices.
5. The protector shall also contain a resettable fuse (PTC) to protect against excessive current.
6. There shall be no more than two pairs per protector.
7. It shall be possible to replace the protector without using tools.

Cables carrying power to curve signs shall be protected at the cabinet by grounded metal oxide varistors of appropriate voltages. The varistors must be at least 0.8 inch in diameter.

C Construction

C.1 Thread Protection

Provide rust, corrosion, and anti-seize protection at all thread assemblies of metallic parts by coating (non-spray) the mating surfaces with an approved compound. Failure to use an approved compound will result in no payment for the items to which coating was to have been applied.

C.2 Cable Installation

When installing new cables into conduits containing existing cables, remove the existing cables and reinstall the existing cables simultaneously with the new cables. Take every precaution necessary to protect the existing cables. In the event of avoidable damage to the existing cables, replace all damaged cables, in-kind, at no additional expense to the department. When cables are pulled into conduit, use a cable pulling lubricant approved by the cable manufacturer. Submit documentation supporting manufacturer approval of the lubricant to the engineer.

C.3 Wiring

Every conductor, except a conductor contained entirely within a single piece of equipment, must terminate either in a connector or on a terminal block. Provide and install the connectors and terminal blocks where needed, without separate payment. Use approved splice kits instead of connectors and terminal blocks for underground power cable splices.

Permanently label and key connectors to preclude improper connection. Obtain prior engineer approval for labeling methods before use.

Terminal blocks must be affixed to panels that permanently identify the block and what wire connects to each terminal. This may be accomplished by silk screening or by installing a laminated printed card under the terminal block, with the labels on portions of the card that extend beyond the block. Installation of terminal blocks by drilling holes in the exterior wall of the cabinet is not acceptable.

Use barriers to protect personnel from accidental contact with all dangerous voltages.

Do not install conductors carrying AC power in the same wiring harness as conductors carrying control or communication signals.

Arrange wiring, including fiber optic pigtails, so that any removable assembly can be removed without disturbing wiring that is not associated with the assembly being removed.

Communication and control cables may not be spliced underground, except where indicated on the plans.

Cables in the Traffic Management Center (TMC) or in communication hubs, which are not contained within a single cabinet, shall have at least 10 feet of slack.

C.4 System Operations

If the contractor’s operations unexpectedly interrupt Intelligent Transportation Systems (ITS) service, notify the engineer immediately and restore service within 24 hours. Repair all damaged facilities to the condition existing before the interruption. If service is not restored within 24 hours, the department may restore service to any operating device and deduct restoration costs from payments due the contractor.

C.5 Surge Protection

Arrange the equipment and cabinet wiring to minimize the distance between each conductor’s point of entry and its protector. Locate the protector as far as possible from electronic equipment. Ensure that all wiring between the surge protectors and the point of entry is free from sharp bends.

D Measurement

The department will not measure the work performed under this special provision.

E Payment

The department will pay for the work performed under this special provision under the contract ITS bid items.

stp-670-010 (20230629)

Temporary Intelligent Transportation System

The department will supply, operate, and maintain a temporary intelligent transportation system during construction of this project which will consist of trailer-mounted Closed Circuit Television (CCTV) devices. These portable devices will be parked inside and outside the construction limits of the project to assist law enforcement and the department with the monitoring of traffic conditions during the construction activities.

The department will coordinate the placement of these devices with the contractor. The contractor shall accommodate the placement of these devices within the project. The general accommodations include an area to park the devices out of the clear zone but still visible to traffic and access to and from the devices. Contact the Northeast Region Traffic Section at (920) 366-7521 for specific details regarding the temporary intelligent transportation system.

17.3 Removing Communication Vault, Item 204.9060.S.0701.

A Description

This special provision describes removing Communication Vaults conforming to standard spec 204.

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Communication Vault by the unit, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S	Removing Communication Vault	EACH

stp-204-025 (20230113)

17.4 Ramp Closure Gates 30-FT, Item 662.1030.S; Ramp Closure Gates 40-FT, Item 662.1040.S.

A Description

This special provision describes providing freeway on-ramp closure gates on type 5 steel luminaire poles.

B Materials

B.1 General

Provide five user manuals and a listing of vendors and contact information for each manufactured component including flasher electrical components.

The engineer may allow alternates equal to specified manufactured components. The engineer may require plan detail modifications to accommodate alternates. The engineer may accept alternate arms or mounting adaptors only if the contractor can demonstrate that the department can easily remove and replace the arms.

B.2 Components

Furnish type 5 steel poles designed to carry twin 15-foot luminaire arms and conforming to standard spec 657 and with dimensions for acceptable installation of the ramp gate hardware as shown on the detail. Ensure a contiguous pole by eliminating the hand hole near base of pole, thus allowing uninhibited mounting of the gate pivot assembly.

Furnish galvanized steel nuts and bolts conforming to ASTM A307 except where designated as high strength (HS), conform to ASTM F3125. For the ramp closure gate locking mechanism, furnish a 3/4-inch handle nut.

Furnish grade A36 steel for the gate supports, gate pivot assembly, and associated hardware galvanized after fabrication by either a mechanical or hot-dip process. Grind welded connections, rough edges, and burrs smooth before galvanizing to ensure a finished appearance. Ensure that the galvanized coating conforms to ASTM A 153.

Provide aluminum/fiberglass gate arms of the nominal length the bid item indicates and conforming to plan dimensions. Cover gate arms on two sides with alternating red and white shop-applied type H reflective from the department's approved products list. Also provide a shear pin base that is the manufacturer’s "permanent pivot" style. Obtain components from:

B&B Roadway
15191 Hwy 243
Russellville, AL 35654
Tel: (888) 560-2060
Gate arm: Model MU605

Furnish a worm gear winch with a single line vertical lift capacity of 2000 lbs. Ensure that the winch has hardened steel gears, a handgrip, permanently lubricated bearings, a reinforced arc-welded reel assembly, and mounting plate. Ensure that the winch can be mounted to the winch mount plate shown on the construction details and the handgrip can be operated without conflict with the pole or ramp gate assembly. Furnish a 2-inch outdoor rated, rot resistant polyester strap for the connection between the worm gear winch and the gate arm pivot assembly.

C Construction

Provide ramp closure gate at the locations the plans show. Apply marine grade anti seize compound to all bolt threads and to the interface between the aluminum base and steel pole. The engineer may direct adjustment of the gate arm assembly to ensure the correct vertical and angular orientation of the completed closure gate.

Install structure identification plaques in the location the plan details show.

D Measurement

The department will measure the Ramp Closure Gates bid items as each individual installation, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
662.1030.S	Ramp Closure Gates 30-FT	EACH
662.1040.S	Ramp Closure Gates 40-FT	EACH

Payment for the Ramp Closure Gate bid items is full compensation for providing ramp closure gates including support poles; for gate arm assemblies including guides, collars, and gate arms; and for structure identification plaques.

stp-662-005 (20191121)

17.5 Install Pole Mounted Cabinet, Item 673.1225.S.

A Description

This special provision describes installing department furnished aluminum enclosures on poles for intelligent transportation systems equipment.

B Materials

Use stainless steel bolts, nuts, and washers unless otherwise specified.

All conductors, terminals, and parts that could be hazardous to maintenance personnel shall be protected with suitable insulating material.

The cabinet will be equipped with service panels. Two panels shall be provided and mounted on the cabinet sidewalls. The left side panel shall be designated as "Input/Communications," and the right-side panel shall be designated as the "Service Panel."

The service panel will be equipped with a four-outlet handi-box. Wire the handi-box to the series portion of the filtering surge protector.

Use metallic conduit, fittings, and adapters required from the underground conduit transition point to the cabinet as part of this item. A typical installation requires on 2-inch conduit. Use metallic conduit conforming to standard spec 652.

C Construction

Coordinate receiving the cabinet from the department's vendor and protect and store the cabinet between receiving the cabinet and installing as shown on the plans. Note and photograph any damage to the cabinet upon receipt and notify the engineer and the Statewide ITS Engineer of any damage.

Fasten the field cabinet securely onto a pole. Provide bolted stainless steel connections with lock washers, locking nuts, or other engineer-approved means to prevent the connection nuts from backing off. Isolate dissimilar materials from one another using stainless steel fittings. Make all power connections to the cabinet as specified in standard spec 656.

Drill and tap the cabinet, as necessary, to mount the terminal blocks and other attachments to the service panel, to provide an entrance on the back of the cabinet for cable from the pole mounted intelligent transportation systems equipment, and to mount the service panel to the cabinet as shown in the details. Remove all sharp edges or burrs, or both, caused by the cutting or drilling process. Seal all openings to prevent water from entering the cabinet. Mount the surge protector to the service panel.

Install metallic conduit on the exterior of the pole (for entrance to the cabinet from the ground) as the plans show, and according to the applicable requirements of standard spec 652.

D Measurement

The department will measure Install Pole Mounted Cabinet as each individual assembly, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
673.1225.S	Install Pole Mounted Cabinet	EACH

Payment is full compensation for storing the pole mounted cabinet, installing the pole mounted cabinet; for making all connections and conduit/wire entrances; and for all testing.

stp-673-010 (20230629)

17.6 Removing 50-Foot Camera Pole, Item 677.9051.S.

A Description

This special provision describes removing existing camera poles and all equipment mounted on them.

B (Vacant)

C Construction

The contractor may request a meeting with the engineer to assess the condition and operability of equipment mounted on the pole before beginning work removing the pole. Any damage or improper operation not noted at the meeting, or before the contractor starting work on the removal, will be assumed to be the fault of the contractor; repair or replace the equipment. Store the equipment for pick up by department representatives.

Disconnect all cables, wiring and equipment that are mounted on or in the poles, and remove the pole from the concrete footing. The department will pick up any antennae, cameras, or other equipment mounted on the pole; contact maintenance staff at (414) 227-2166 at the department's Statewide Traffic Operations Center, when the material is ready to be picked up. Properly dispose of the pole, conduit, cabling, and wiring away from the project site.

D Measurement

The department will measure Removing 50-Foot Camera Pole by the unit, acceptably removed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
677.9051.S	Removing 50-Foot Camera Pole	EACH

Payment is full compensation for removing and disposing of the existing camera pole; disconnecting any necessary wiring; removing the equipment mounted on the poles; disposing of cabling and wiring; disposing of the pole properly off the project site; and transportation.

stp-677-901 (20230629)

17.7 Salvaging Ramp Gate System, Item SPV.0060.0701.

A Description

This special provision describes salvaging a ramp gate system.

B Materials

The existing ramp gate system consists of a transformer base, pole, gear winch with cable, yoke assembly, gate pivots, supports, guides, collar, gate arm, bumper rods, and flashing LED lights, pedestal base, traffic signal standards, cabinets, solar power system, and all associated hardware.

C Construction

The department assumes that all equipment is in good condition and in working order prior to the contractor's removal operation. Prior to removal, inspect and provide a list of any damaged or non-working equipment to the engineer. Any equipment not identified as damaged or not working, prior to removal, and found to be damaged or not working shall be replaced by the contractor at no cost to the department.

Disconnect all cables and remove the ramp gate system from the concrete base. Associated traffic signal standard, pole mounted cabinet, and solar power system are included with the salvaging ramp gate system item. Dispose of the underground cable. Safeguard all parts from damage or loss. Collect the materials as follows:

- Poles – laid on an even, horizontal surface.
- Winches, pivots, guides and transformer bases – neatly bound on pallets.
- Cable and wire – coiled on a cable reel or neatly coiled on pallets.
- Hardware – in 5-gallon pails or burlap sacks.

Contact Kimberly Bradley at 920-492-4174 to make delivery arrangement at least 5 working days prior to delivery of salvaged materials. Deliver salvaged materials to the department at 944 Vanderperren Way, Green Bay, WI 54304.

Dispose of all materials not designated for salvage as specified for disposing of materials under standard spec 203.3.5. Removal and disposal of the components is incidental to the work.

D Measurement

The department will measure Salvaging Ramp Gate System as each individual salvaged system, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0701	Salvaging Ramp Gate System	EACH

Payment is full compensation for removing, storing, and disconnecting and disposing of cabling.

18. Miscellaneous and Incidental Construction.

18.1 Midwest Guardrail System (MGS).

Add to standard spec 614.2.1 the following:

The Midwest Guardrail System installed along IH 41 and STH 15 shall be attached to steel posts and notched plastic blockouts.

Add to standard spec 614.3.2.1 the following:

All posts will be driven through the base aggregate dense and select crushed layers of the pavement structure.

18.2 Filling Concrete Shoulder Rumble Strips 24-Inch, Item 416.9100.S.

A Description

This special provision describes filling existing concrete shoulder rumble strip grooves prior to staging that requires shifting traffic onto the shoulder.

B Materials

Furnish a commercial patching material selected from the department's approved products list for rapid setting concrete patch material. Provide the engineer a copy of the manufacturer's specifications and installation instructions.

C Construction

Fill the rumble strip grooves by cleaning/preparing the voids and applying patch material according to manufacturer's instructions. Apply patch material in a neat manner and protect the surrounding surface from application. Finish patch smooth and flush with surrounding pavement. Maintain work done under this item until no longer required for traffic staging.

D Measurement

The department will measure Filling Concrete Shoulder Rumble Strips 24-Inch as each individual rumble strip array, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
416.9100.S	Filling Concrete Shoulder Rumble Strips 24-Inch	EACH

Payment is full compensation for furnishing patch material, cleaning/preparing the voids, applying patch material, and for maintenance during the time specified.

stp-416-090 (20180628)

18.3 Fence Safety, Item 616.0700.S.

A Description

This special provision describes providing plastic fence at locations the plans show.

B Materials

Furnish notched conventional metal "T" or "U" shaped fence posts.

Furnish fence fabric meeting the following requirements.

Color:	International orange (UV stabilized)
Roll Height:	4 feet
Mesh Opening:	1 inch min to 3 inch max
Resin/Construction:	High density polyethylene mesh
Tensile Yield:	Avg. 2000 lb per 4 ft. width (ASTM D638)
Ultimate Tensile Strength:	Avg. 3000 lb per 4 ft. width (ASTM D638)
Elongation at Break (%):	Greater than 100% (ASTM D638)
Chemical Resistance:	Inert to most chemicals and acids

C Construction

Drive posts into the ground 12 to 18 inches. Space posts at 7 feet.

Use a minimum of three wire ties to secure the fence at each post. Weave tension wire through the top row of strands to provide a top stringer that prevents sagging.

Overlap two rolls at a post and secure with wire ties.

D Measurement

The department will measure Fence Safety by the linear foot along the base of the fence, center-to-center of posts, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
616.0700.S	Fence Safety	LF

Payment is full compensation for furnishing and installing fence and posts; maintaining the fence and posts in satisfactory condition; and for removing and disposing of fence and posts at project completion.

stp-616-030 (20160607)

18.4 Construction Staking Survey Project 1130-64-76, Item SPV.0060.0100; Construction Staking Survey Project 1130-64-81, Items SPV.0060.0101.

A Description

This special provision describes providing all construction staking survey required to layout and construct the work. Conform to standard spec 650 and standard spec 105.6, and as follows.

B (Vacant)

C Construction

Perform all surveying required to construct the work under this contract as specified in standard spec 650. Include all other miscellaneous survey required to layout and construct all work under this contract.

Remove and replace standard spec 105.6 with the following:

105.6 Construction Staking

105.6.1 General

(1) The department is responsible for errors or discrepancies found in previous department surveys, plans, specifications, special provisions, or work constructed under other department contracts. The department will pay for further studies and redesign required due to these errors or discrepancies.

(2) The department will furnish data for the horizontal and vertical control points. Prosecute the work using these points for field control. The department is responsible for the accuracy of lines, slopes, and grades it provides. The engineer and contractor shall agree on the meaning of all stakes, measurements, and marks before the contractor begins work.

105.6.2 Contractor-Performed Staking

(1) Provide the construction stakes or markings needed to prosecute the work as follows:

- Additional staking or markings that might be needed to support the contractor’s specific method of operations.
- Staking required under standard spec 650 to lay out and construct the work for the individual construction bid items the contract includes.

(2) Other staking or markings as required to successfully prosecute the work.

(3) The contractor is responsible for the accuracy of lines, slopes, and grades the contractor provides. Construct the work conforming to the lines, grades, cross sections, and dimensions the contract specifies or the engineer establishes.

(4) Notify the engineer immediately when finding errors or discrepancies in previous surveys, plans, specifications, special provisions, or work constructed under other contracts. Suspend related operations until the engineer gives approval to proceed.

(5) The engineer may check the control of work, as established by the contractor, at any time. The engineer will provide the results of these checks to the contractor, but by doing so in no way relieves the contractor of the responsibility for the accuracy of their layout work.

(6) Correct or replace deficient layout and construction work resulting from:

- Inaccuracies in the contractor's staking operations.
- Not reporting inaccuracies found in work done by the department or by others.

(7) If, due to the inaccuracies in 105.6.2(5), the department is required to make further studies, redesign, or both, the department will deduct all expenses incurred from the payment due the contractor.

D Measurement

The department will measure Construction Staking Survey Project as a single unit, acceptably completed for the entire project.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0100	Construction Staking Survey Project 1130-64-76	EACH
SPV.0060.0101	Construction Staking Survey Project 1130-64-81	EACH

Payment is full compensation for performing all survey work required to layout and construct all work under this contract.

ner-650-025 (20210716)

18.5 Crash Cushions Temporary Left In Place, Item SPV.0060.0150.

A Description

This special provision describes leaving in place temporary crash cushion according to the pertinent provisions of standard spec 614 and as hereinafter provided.

Crash Cushions Temporary Left in Place become the property of the department after final acceptance by the engineer.

B Materials

Furnish materials according to standard spec 614.2.7.

C Construction

Complete work according to standard spec 614.3.4. Maintain the crash cushion until the department takes possession of it.

D Measurement

The department will measure Crash Cushions Temporary Left in Place as each individual unit, acceptably completed and left in place where indicated on the plans.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0150	Crash Cushion Temporary Left in Place	EACH

Payment is full compensation for providing and leaving Crash Cushion Temporary on the project site including any necessary anchoring and anchoring devices; and for maintaining and replacing damaged components.

18.6 Mobilizations Emergency Pavement Repair, Item SPV.0060.0160.

A Description

This special provision describes furnishing and mobilizing personnel, equipment, traffic control, and materials to the project site to repair the existing pavement for emergencies as the engineer directs. An emergency is a sudden occurrence of a serious and urgent nature, beyond normal maintenance of the existing pavement.

B (Vacant)

C Construction

Mobilize with sufficient personnel, equipment, traffic control, materials, and incidentals on the jobsite within 4 hours of the engineer's written order to repair the existing pavement on an emergency basis.

D Measurement

The department will measure Mobilizations Emergency Pavement Repair as each individual mobilization, acceptably completed. The department will not include delivering and installing pavement repair or maintenance materials provided for in specific contract bid items. All traffic control items used for each Mobilization will be considered incidental to the Mobilization.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0120	Mobilizations Emergency Pavement Repair	EACH

Payment is full compensation for the staged moving of personnel, moving equipment, setting up and removing traffic control, traffic control materials, and moving materials. The department will pay separately for delivery and installation of pavement repair materials under the other bid items in this contract. The department will not pay separately for traffic control items and materials even though they may be included in other bid items in this contract and will consider them incidental to each Mobilization.

18.7 Concrete Barrier Temporary Precast Left in Place, Item SPV.0090.0150.

A Description

This special provision describes leaving in place temporary concrete barrier conforming to the shape, dimensions, and details the plans show and according to the pertinent provisions of standard spec 603 and as modified in this special provision.

Concrete Barrier Temporary Precast Left in Place becomes the property of the department after final acceptance by the engineer. Ownership identification shall include the department (DOT).

B Materials

Furnish materials according to standard spec 603.2.2.

C Construction

Complete work according to standard spec 603.3.2.

Prior to the department taking possession of the barrier, all sections of temporary concrete barrier that do not conform to CMM 145 shall be replaced.

D Measurement

The department will measure Concrete Barrier Temporary Precast Left in Place by the linear foot, acceptably completed, measured along the base of the barrier after final installation in its left in place location.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.0150	Concrete Barrier Temporary Precast Left in Place	LF

Payment is full compensation for leaving Concrete Barrier Temporary Precast on the project site including anchoring devices.

Delivery, installation, and anchoring of the barrier will be paid for under the pertinent items included in the contract.

ADDITIONAL SPECIAL PROVISION 1 (ASP 1)
FOR TRANSPORTATION ALLIANCE FOR NEW SOLUTIONS (TrANS)
PROGRAM EMPLOYMENT PLACEMENTS AND APPRENTICESHIPS

The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), Section 5204(e) – Surface Transportation Workforce Development Training and Education, provides for 100 percent Federal funding if the core program funds are used for training, education, or workforce development purposes, including "pipeline" activities. The core programs includes: Congestion Mitigation and Air Quality Improvement (CMAQ) Program, Highway Bridge Program (HBP), Interstate Maintenance (IM), National Highway System (NHS), and Surface Transportation Program (STP). These workforce development activities cover surface transportation workers, including OJT/SS programs for women and minorities as authorized in 23 U.S.C. §140(b).

TrANS is an employment program originally established in 1995 in Southeastern Wisconsin. Currently TrANS has expanded to include TrANS program locations to serve contractors in Southeast (Milwaukee and surrounding counties), Southcentral (Dane County and surrounding counties including Rock County), and most Northeastern Wisconsin counties from locations in Keshena, Rhinelander and surrounding far Northern areas. TrANS attempts to meet contractor's needs in other geographic locations as possible. It is an industry driven plan of services to address the outreach, preparation, placement and retention of women, minorities and non-minorities as laborers and apprentices in the highway skilled trades. These candidate preparation and contractor coordination services are provided by community based organizations. For a list of the TrANS Coordinators contact the Disadvantaged Business Enterprise Office at (414) 438-4583 in Milwaukee or (608) 266-6961 in Madison. These services are provided to you at no cost.

I. BASIC CONCEPTS

Training reimbursements to employing contractors for new placements, rehires or promotions to apprentice of TrANS Program graduates will be made as follows:

1) **On-the-Job Training, Item ASP.1T0G, ASP 1 Graduate.** At the rate of $5.00 per hour on federal aid projects when TrANS graduates are initially hired, or seasonally rehired, as unskilled laborers or the equivalent.

   Eligibility and Duration: To the employing contractor, for up to 2000 hours from the point of initial hire as a TrANS program placement.

   Contract Goal: To maintain the intent of the Equal Employment Opportunity program, it is a goal that __12__ *(number)* TrANS Graduate(s) be utilized on this contract.

2) **On-the-Job Training, Item ASP.1T0A, ASP 1 Apprentice.** At the rate of $5.00 per hour on federal aid projects at the point when an employee who came out of the TrANS Program is subsequently entered into an apprenticeship contract in an underutilized skilled trade (this will include the Skilled Laborer Apprenticeship when that standard is implemented).

   Eligibility and Duration: To the employing contractor, for the length of time the TrANS graduate is in apprentice status.

   Contract Goal: To maintain the intent of the Equal Employment Opportunity program, it is a goal that __7__ *(number)* TrANS Apprentice(s) be utilized on this contract.

3) The maximum duration of reimbursement is two years as a TrANS graduate plus time in apprentice status.

4) If a TrANS program is not available in the contractor's area and another training program is utilized, payment of On-the-Job Training hours may be approved by the Wisconsin Department of Transportation (WisDOT) if the training program meets the established acceptance criteria. Only On-the-Job Training Hours accumulated after WisDOT approval will be reimbursed as specified under Items ASP.1T0G and ASP.1T0A. For more information, contact the Disadvantaged Business Enterprise Office at the phone numbers listed above.

5) WisDOT reserves the right to deny payments under items ASP.1T0G and ASP.1T0A if the contractor either fails to provide training or there is evidence of a lack of good faith in meeting the requirements of this training special provision.

II. RATIONALE AND SPECIAL NOTE

The $5.00 per hour now being paid for TrANS placements is intended to cover the duration of two years to allow for reaching entry-level laborer status. An additional incentive, the $5.00 rate, would promote movement into the underutilized skilled trades' apprenticeships and applies until the individual completes their apprenticeship. These incentives benefit TrANS candidates by giving them a better opportunity to enter a skilled trade; benefits contractors who will be assisted in meeting their EEO profiles and goals; and benefits the public who will see the program reinforce larger public-private employment reform in Wisconsin. The pool of TrANS graduates was created for the purpose of addressing underutilization in the skilled trades, an objective that is further reinforced by a parallel retention pilot program, known as the Companywide Reporting. *Whether or not reimbursement is involved, the WisDOT reassures contractors who are in the Companywide Program that TrANS placements still contribute toward fulfilling the new hire goal of 50% women and minorities.* Based on data administered by United States Department of Labor (US DOL), the highway skilled trades remain underutilized for women statewide (less than 6.9%); and for minorities in all counties (% varies by county).

<u>NOTE</u>: *Unless using other advancement strategies, contractors are encouraged to use some or all of this monetary incentive to offset the cut in hourly wages an individual may incur when entering an apprenticeship if the full general laborer hourly rate has been previously paid. No special accounting measures are required.*

III. IMPLEMENTATION

The implementation of ASP 1 is intended to cover only the amount of time it takes for underutilization to be resolved across the trades. This will be measured annually at the county and/or state levels using data administered by WisDWD in relation to goals set by the USDOL-OFCCP. With appropriate state and federal approvals, we may also do some measurement at the company level.

It is the contractor's responsibility to note on their Certified Payrolls if their employee is a TrANS graduate or a TrANS apprentice. The District EEO Coordinators utilize the information on the Certified Payrolls to track the hours accumulated by TrANS Graduates and TrANS apprentices on WisDOT contracts. Payment under this ASP 1 is made based on the hours recorded off of the Certified Payrolls. Tracking may eventually include improved linkages with the WisDWD apprentice database, information from company and committee level sources.

TrANS is nondiscriminatory by regulation, and is a tool for optional use by contractors to address the underutilization of women and minorities as laborers and apprentices in our industry's skilled trades.

IV. TRANS TRAINING

As part of the contractor's equal employment opportunity affirmative action program, training shall be provided to employees enrolled in apprenticeship and on-the-job training programs as follows:

The contractor shall provide on-the-job training aimed at developing full journey workers in the type of trade or job classifications involved. In the event the contractor subcontracts a portion of the contract work, the contractor shall determine how many, if any, of the trainees are to be trained by the subcontractor provided, however, that the contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The contractor shall also insure that this training special provision is made applicable to such subcontract.

Training and upgrading of minorities and women toward journey workers status is a primary objective of this training special provision. Accordingly, the contractor shall make every effort to enroll minority trainees and women (e.g., by conducting systematic and direct recruitment through public and private sources likely to yield minority trainees and women trainees); to the extent such persons are available within a reasonable area of recruitment. The contractor will be given an opportunity and will be responsible for demonstrating the steps that they have taken in pursuance thereof, prior to determination as to whether the contractor is in compliance with this training special provision. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journey workers status or in which they have been employed as a journey worker. The contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used, the contractor's records should document the findings in each case.

V. APPRENTICESHIP TRAINING

The Federal Highway Administration's (FHWA) policy is to require full use of all available training and skill improvement opportunities to assure increased participation of minority groups,

disadvantaged persons and women in all phases of the highway construction industry. The FHWA On-the-Job Training (OJT) Program requires the State transportation agencies (STAs) to establish apprenticeships and training programs targeted to move women, minorities, and disadvantaged individuals into journey-level positions to ensure that a competent workforce is available to meet highway construction hiring needs, and to address the historical under-representation of members of these groups in highway construction skilled crafts.

The OJT Supportive Services (OJT/SS) Program was established in Title 23 Code of Federal

Regulations (CFR), Part 230) to supplement the OJT program and support STA training programs by providing services to highway construction contractors and assistance to highway construction apprentices and trainees. The primary objectives of OJT/SS are:

(1) To increase the overall effectiveness of the State highway agencies' approved training programs.

(2) To seek other ways to increase the training opportunities for women, minorities, and disadvantaged individuals.

The STAs are responsible for establishing procedures, subject to the availability of Surface Transportation and Bridge Funds under 23 U.S.C. §140(b*)* (Nondiscrimination), for the provision of supportive services with respect to training programs approved under 23 CFR, Part 230(a*)* (Equal Employment Opportunity on Federal and Federal-aid Construction Contracts – including Supportive Services).

The contractor and subcontractor shall maintain records to demonstrate compliance with these apprenticeship requirements. Reasonable exemptions and modifications to and from any or all of these requirements will be determined by the Wisconsin Department of Transportation-Civil Rights Office. A request for an exemption or modification, with justification, shall be made in writing, addressed to WisDOT Civil Rights Office, 4802 Sheboygan Avenue, P.O. Box 7965, Rm. 451, Madison, WI 53707.

ADDITIONAL SPECIAL PROVISION 3

DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM IMPLEMENTATION

Authority

Wisconsin Department of Transportation (WisDOT) is a recipient of funds from the US Department of Transportation's Federal Highway Administration. The DBE program is a federal program applicable on all contracts administered by WisDOT that include federal-aid highway funds. The authority for the DBE program is the Transportation Bill as approved by Congress periodically. DBE program guidance and requirements are outlined in the Code of Federal Regulations at 49 CFR Part 26. This contract is subject to DBE provisions because it is financed with federal-aid-highway funds. Additionally, this contract is subject to the *State of Wisconsin Standard Specifications for Highway and Structure Construction* and all applicable contract documents.

Requirements

Pursuant to the federal DBE program regulation at 49 CFR Part 26, a contractor's failure to comply with any provision of the DBE program regulatory provisions will be considered a material breach of contract. This is nonnegotiable.

If a contractor fails to carry out the DBE program requirements and/or the Required Contract Provisions for Federal Aid Contracts (FHWA 1273) referenced in this document, sanctions will be assessed depending upon the facts, reasoning, severity, and remedial efforts of the contractor that may include: termination of contract, withholding payment, assessment of monetary sanctions, and/or suspension/debarment proceedings that could result in the disqualification of the contractor from bidding for a designated period of time.

(1) The Commitment to Subcontract to DBE (Form DT1506 or digital submittal), Attachments A, and Good Faith Effort Documentation (Form DT1202) will be submitted as described in Section 2.
(2) Any change to DBE Commitments thereafter must follow modification of DBE subcontracting commitment as described in Section 9.
(3) The Department requires this list of DBE subcontractors from all bidders at time of bid to ensure the lowest possible cost to taxpayers and fairness to other bidders and subcontractors. Bid shopping is prohibited.
(4) The contractor must utilize the specific DBE firms listed in the approved DBE Commitment to perform the work and/or supply the materials for which the DBE firm is listed unless the contractor obtains written consent in advance from WisDOT. The contractor will not be entitled to payment for any work or materials on the approved DBE Commitment that is not performed or supplied by the listed DBE without WisDOT's written consent.

Description

The Wisconsin Department of Transportation is committed to the compliant administration of the DBE Program. The DBE provisions work in tandem with FHWA 1273 and WisDOT's *Standard Specifications for Highway and Structure Construction* and *Construction and Materials Manual*. The WisDOT Secretary is signatory to assurances of department-wide compliance.

The Department assigns the contract DBE goal as a percentage of work items that could be performed by certified DBE firms on the contract. The assigned DBE goal is expressed on the bid proposal as a percentage applicable to the total contract bid amount.

(1) WisDOT identifies the assigned DBE goal in its contract advertisements and posts the contract DBE goal on the cover of the bidding proposal. The contractor can meet the assigned contract DBE goal by subcontracting work to a DBE firm or by procuring services or materials from a DBE firm.

(2) Under the contract, the prime contractor should inform, advise, and develop participating DBE firms to be more knowledgeable contractors who are prepared to successfully complete their contractual agreement through the proactive provision of assistance in the following areas:

- Produce accurate and complete quotes
- Understand highway plans applicable to their work
- Understand specifications and contract requirements applicable to their work
- Understand contracting reporting requirements

(3) The Department encourages contractors to assist DBE subcontractors more formally by participating in WisDOT's Business Development program as a mentor, coach, or resource. For comprehensive information on the Disadvantaged Business Enterprise Program, visit the Department's Civil Rights and Compliance Section website at: http://wisconsindot.gov/Pages/doing-bus/civil-rights/dbe/default.aspx

1. Definitions

Interpret these terms, used throughout this additional special provision, as follows:

a. **Assigned DBE Contract Goal:** The percentage shown on the cover of the Highway Work Proposal that represents the feasible level of DBE participation for each contract. The goal is calculated using the Engineer's Estimate and DBE Interest Report. Goal assignment includes review of FHWA funds, analyzes bid items for subcontract opportunity and compatibility with DBE certified firm work codes. Additional factors considered include proximity, proportion, and regulations.

b. **Bid Shopping:** In construction law, bid shopping is the practice of divulging a subcontractor's bid to another prospective contractor(s) before or after the award of a contract to secure a lower bid.

c. **DBE:** Disadvantaged Business Enterprise – A for-profit small business concern where socially and economically disadvantaged individuals own at least a 51% interest and control management and daily business operations.

d. **DBE Commitment:** The DBE Commitment is identified in the Commitment to Subcontract to DBE (Form DT1506) and is expressed as the amount of DBE participation the prime contractor has secured. The DT1506, a contract document completed by the bidder, is required to be considered a responsive bidder on an FHWA-funded contract that has an assigned DBE goal. The prime contractor will have the option to submit the DT1506 digitally, as an entry with the bid in Bid Express, or as an attachment to the bid.

e. **DBE Utilization:** The actual participation of a DBE subcontractor on a project. WisDOT verifies DBE utilization through review of the DBE Commitment, payments to subcontractors, and contract documentation. The Prime Contractor receives DBE credit for payments made to the DBE firms performing the work listed on the approved DBE Commitment, and those submitted after approved commitment with Attachment A.

f. **Good Faith Effort:** Legal term describing a diligent and honest effort taken by a reasonable person under the same set of facts or circumstances. For DBE subcontracting, the bidder must show that it took all necessary and reasonable steps to achieve the assigned DBE goal by the scope, intensity, and appropriateness of effort that could reasonably be expected for a contractor to obtain sufficient DBE participation.

g. **Manufacturer:** A firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract.

h. **Reasonable Price:** Contractors are expected to assess reasonable price by analyzing the contract scope for DBE subcontract feasibility and comparing common line items in DBE and non-DBE subcontract quotes for the same work. Per federal regulation, reasonable price is not necessarily the lowest price.

i. **Supplier:** A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles, or equipment required under the contract are bought, kept in stock, and regularly sold or leased to the public.

j. **Tied quote:** Subcontractor quote that groups multiple bid/line items at a bundled/package price with a notation that the items within the quote will not be separated.

2. WisDOT DBE Program Compliance

a. Documentation Submittal

- The Commitment to Subcontract to DBE (Form DT1506 or digital submittal) must be submitted at the time of bid (Tuesday) by all prime contractors.
- Attachments A OR quotes from all DBEs included in the Commitment must be submitted at bid (Tuesday) **OR**
- Within one-hour following bid submittal by ALL prime contractors via eSubmit (Tuesday).
- If only DBE quotes were submitted, all remaining signed Attachments A must be submitted within 24-hours of bid closing via eSubmit (Wednesday).
- If the assigned DBE contract goal is not met, Documentation of Good Faith Effort (Form DT1202) and supporting documentation must be submitted within 24-hours of bid closing (Wednesday) via eSubmit. Instructions for eSubmit.

**Bidders have the option of submitting the DBE Commitment at the time of bid via direct entry through Bid Express OR with attachment of Form DT1506 (Commitment to Subcontract to DBE). The DBE Commitment entered with bid is the digital form of the DT1506. Separate submission of Form DT1506 is not required if the DBE Commitment is entered in Bid Express. Form DT1202, if applicable, is no longer required to be submitted at time of bid; submit DT1202 within the 24-hour supplemental time frame following bid closing.

The DBE Office will not certify Good Faith Effort and the Bureau of Project Development will consider the bid nonresponsive if the contractor fails to furnish the DBE Commitment (digitally entered into the bid OR Form DT1506 as an attachment), Attachments A, and Form DT1202 if applicable, as required. See sample forms in the Appendix.

b. Verification of DBE Commitment

The documentation related to DBE subcontract commitment submitted prior to contract award is evaluated as follows:

(1) DBE Goal Met

If the bidder indicates that the contract DBE goal is met, the Department will evaluate the DBE Commitment submitted with bid OR Form DT1506, and Attachments A to verify the actual DBE percentage calculation. If the DBE Commitment is verified, the contract is eligible for award with respect to the DBE Commitment.

(2) DBE Goal Not Met

a) If the bidder indicates a bid percentage on the DBE Commitment that does not meet the assigned DBE contract goal, the bidder must request alternative evaluation of good faith effort through submission of Form DT1202 (Documentation of Good Faith Effort) within 24-hours of bid including narrative description. Supplementary documentation of good faith effort that supports the DT1202 submission is also due within 24-hours of bid submission and prior to bid posting. The Department will review the bidder's DBE Commitment and evaluate the bidder's good faith efforts submission.

b) Following evaluation of the bidder's Good Faith Effort documentation the bidder will be notified that the Department intends to:

1. *Approve* the request (adequate documentation of GFE has been submitted) - no conditions placed on the contract with respect to the DBE Commitment;
2. *Deny* the request (inadequate documentation of GFE has been submitted) - the contract is viewed as non-responsive per Wisconsin Standard Specifications for Highway and Structure Construction and will not be executed.

c) If the Department denies the bidder's request, the contract is ineligible for award. The Department will provide a written explanation for denying the request to the bidder. The bidder may appeal the Department's denial (see Section 4).

Supplemental good faith effort documentation must be submitted through eSubmit.

3. Department's Criteria for Good Faith Effort Documentation

The Federal-aid Construction Contract Provision, referenced as FHWA-1273, explicitly states that the prime contractor shall be responsible for all work performed on the contract by piecework, station work, or subcontract.

The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of the contract including assurances of equal employment opportunity laws, DBE regulations, and affirmative action. Compliance encompasses responsible and responsive action, documentation, and good faith effort.

Contractually, all contractors, subcontractors, and service providers on the contract are bound by FHWA 1273 and DBE program provisions. **Prime contractors should encourage subcontractors to utilize DBE firms whenever possible to contribute to the assigned DBE contract goal.**

Bidders are required to document good faith effort. Per 49 CFR Part 26.53, good faith effort is demonstrated in one of two ways. The bidder:

(1) Documents that it has obtained enough DBE participation to meet the goal; OR

(2) Documents that it made adequate good faith efforts to meet the goal, even though it did not succeed

Appendix A of 49 CFR Part 26 provides guidance concerning good faith efforts. WisDOT evaluates good faith effort on a contract basis just as each contract award is evaluated individually.

The efforts employed by the bidder should be those that WisDOT can reasonably expect a bidder to take to actively and aggressively obtain DBE participation sufficient to meet the DBE contract goal. The Department will only approve demonstration of good faith effort if the bidder documents the quality, quantity, and intensity of the variety of activities undertaken that are commensurate with expected efforts to meet the stated goal.

The Department, in conjunction with industry stakeholders, has developed the following guidance for contractor good faith effort activity. The guidance and the attached appendices provide a framework for the actions required by all parties in the processing and evaluation of bidder's total efforts to achieve the project specific DBE goal prior to the bid letting date.

a. Solicitation Guidance for Prime Contractors:

(1) Document all efforts and decisions made toward achieving the DBE goal on the contract. The bidder should use WisDOT-approved DBE outreach tools, including the UCP DBE Directory and the Bid Express Small Business Network to foster DBE participation on all applicable contracts.

(2) As needed, request assistance with DBE outreach and follow-up by contacting the Department's DBE Support Services Office by phone or email request at least 14 days prior to the bid letting date. Phone numbers are (414) 438-4584 and/or (608) 267-3849; Fax: (414) 438-5392; E-mail: DBE_Alert@dot.wi.gov

(3) Participate in and document a substantive conversation with at least one DBE firm per Let, to discuss questions, concerns, and any other contract related matters that may be applicable to the DBE firm. Guidelines for this conversation are provided in Appendix A of ASP-3.

(4) Request quotes by identifying potential items to subcontract and solicit. In their initial contacts, contractors are strongly encouraged to include a single page, detailed list of items for which they are accepting quotes, by project, within a letting. *See attached sample entitled "Sample Contractor Solicitation Letter" in* Appendix B. Prime contractors should also indicate a willingness to accept quotes in areas they are planning to perform themselves, as required by federal rules. In some cases, it might be appropriate to use DBE firms to do work in a prime contractor's area of specialization.

i. Solicit quotes from certified DBE firms who match possible items to subcontract using all reasonable and available means. Additionally, forward copies of solicitations highlighting the work areas for which quotes are being sought to DBE_Alert@dot.wi.gov

ii. Acceptable outreach tools include SBN (Small Business Network, see Appendix C): https://www.bidx.com/wi/main, postal mail, email, fax, and phone.

a. Contractors must ask DBE firms for a response in their solicitations. See *Sample Contractor Solicitation Letter,* Appendix B. This letter may be included as an attachment to the sub-quote request.

b. Solicit quotes at least 10 calendar days prior to the letting date to allow DBE firms sufficient time to respond. Prime contractors should contact DBE firms early, asking if they need help organizing their quote, assistance confirming equipment needs, or other assistance supporting their submission of a competitive quote for their services.

c. A follow up solicitation should take place within 5 calendar days of the letting date. Email and/or SBN are the preferred method for the solicitation.

iii. Upon request, provide interested DBE firms with adequate information about plans, specifications, and the requirements of the contract by letter, information session, email, phone call, and/or referral.

iv. When potential exists, the contractor should advise interested DBE firms on how to obtain bonding, line of credit, or insurance if requested.

v. Document DBE firm's interest in quoting by taking appropriate steps to follow up initial solicitation with:

a. Email to all prospective DBE firms in relevant work areas

b. Phone call log to DBE firms who express interest via written response or call

c. Fax/letter confirmation

d. Signed copy of record of subcontractor outreach effort

b. Guidance for Evaluating DBE quotes

(1) Quote evaluation practices required to evaluate DBE quotes:

i. Reasonable Price**:** Contractors are expected to assess reasonable price by analyzing the contract scope for DBE subcontract feasibility and comparing common line items in DBE and non-DBE subcontract quotes for the same work. Per federal regulation, reasonable price is not necessarily the lowest price. See 49 CFR Part 26, Appendix A. IV.D(2).

(2) Documentation submitted by the prime of the following evaluation is required to evaluate DBE quotes by contractors:

i. Evaluation of DBE firm's ability to perform "possible items to subcontract" using legitimate reasons, including but not limited to, ***a discussion*** between the prime and DBE firm regarding its capabilities prior to the bid letting. If lack of capacity is the reason for not utilizing the DBE firm's quote, the prime is required to contact the DBE by phone and email regarding their ability to perform the work indicated in the UCP directory listed as their work area by NAICS code. Only the work area indicated by the NAICS code(s) listed in the UCP directory can be counted toward DBE credit. Documentation of the conversation is required.

a In striving to meet an assigned DBE contract goal, contractors are expected to use DBE quotes that are responsive and reasonable. This includes DBE quotes that are not the low quote.

b Additional evaluation - Evaluation of DBE quotes with tied bid items. Typically, this type of quoting represents a cost saving but is not clearly stated as a discount. Tied quotes are usually presented as an 'all or none' quote. When non-DBE subcontractors submit tied bid items in their quotes, the DBE firm's quote may not appear competitive. In such a case, the following steps are taken in comparing the relevant quotes. These are qualitative examples:

i Compare bid items common to both quotes, noting the reasonableness in the price comparison.

ii Review quotes from other firms for the bid items not quoted by the DBE firm to see if combining both can provide the same competitive advantage that the tied bid items offered.

See Appendix D – *Good Faith Effort Evaluation Measures* and Appendix E - *Good Faith Effort Best Practices.*

c. Requesting Good Faith Effort Evaluation At the time of bid- if the DBE goal is not met in full, the prime contractor must indicate they will file form DT1202- Documentation of Good Faith Effort within 24-hours of bid submission. Supplementary documentation of good faith effort that supports the DT1202 submission is also due within 24-hours of bid submission and prior to bid posting. Supporting documentation for the DT1202 is to include the following:

(1) Solicitation Documentation: The names, addresses, email addresses, and telephone numbers of DBE firms contacted along with the dates of both initial and follow-up contact; electronic copies of all written solicitations to DBE firms. A printed copy of SBN solicitation is acceptable.

(2) Selected Work Items Documentation: Identify economically feasible work units to be performed by DBEs to include activities such as: list of work items to be performed; breaking up of large work items into smaller tasks or quantities; flexible time frames for performance and delivery schedules.

(3) Documentation of Project Information provided to interested DBEs: A description of information provided to the DBE firms regarding the plans, specifications, and estimated quantities for portions of the work to be performed by that DBE firm.

(4) Documentation of Negotiation with Interested DBEs: Provide sufficient evidence to demonstrate that good faith negotiations took place. Merely sending out solicitations requesting bids from DBEs does not constitute sufficient good faith efforts.

(5) Documentation of Sound Reasoning for Rejecting DBEs and copies of each quote received from a DBE firm and, if rejected, copies of quotes from non-DBEs for same items.

(6) Documentation of Assistance to Interested DBEs- Bonding, Credit, Insurance, Equipment, Supplies/Materials

(7) Documentation of outreach to Minority, Women, and Community Organizations and other DBE Business Development Support: Contact organizations and agencies for assistance in contacting, recruiting, and providing support to DBE subcontractors, suppliers, manufacturers, and truckers at least 14 days before bid opening. Participate in or host activities such as networking events, mentor-protégé programs, small business development workshops, and others consistent with DBE support.

If the Good Faith Effort documentation is deemed adequate, the request will be approved and the DBE office will promptly notify the Prime Contractor and Bureau of Project Development.

If the DBE Office denies the request, the Prime Contractor will receive written correspondence outlining the reasons. The Department encourages the Prime Contractor to communicate with DBE staff to clarify any questions related to meeting goals and/or contractor demonstration of good faith efforts.

If the contract is awarded, the Prime Contractor must obtain written consent from the DBE Office to change or replace any DBE firm listed on the approved DBE Commitment. No contractor, prime or subsequent tier, shall be paid for completing work assigned to a DBE subcontractor on an approved DBE Commitment unless WisDOT has granted permission for the reduction, replacement, or termination of the assigned DBE in writing. If a prime contractor or a subcontractor on any tier uses its own forces to perform work assigned to a DBE on an approved DBE Commitment, **they will not be paid for the work**. Any changes to DBE Commitment after the approval of the DBE Commitment must be reviewed and approved by the DBE Office prior to the change (see Section 9).

Additional resources for demonstrating and tracking good faith effort can be found on the “Contracting with a DBE” webpage in the ASP-3 and Good Faith Effort Guidance section.

4. Bidder's Documentation of Good Faith Effort Evaluation Request Appeal Process

A bidder can appeal the Department's decision to deny the bidder's demonstration of Good Faith Effort through Administrative Reconsideration. The bidder must provide a written justification refuting the specific reasons for denial as stated in the Department's denial notice. The bidder may meet in person with the Department if so requested. Failure to appeal within 5 business days after receiving the Department's written notice denying the request constitutes a forfeiture of the bidder's right of appeal. Receipt of appeal is confirmed by email date stamp or certified mail signed by WisDOT staff. A contract will not be executed without documentation that the DBE provisions have been fulfilled.

The Department will appoint a representative who did not participate in the original good faith effort determination, to assess the bidder's appeal. The Department will issue a written decision within 5 business days after the bidder presents all written and oral information. In that written decision, the Department will explain the basis for finding that the bidder did or did not demonstrate an adequate good faith effort to meet the contract DBE goal. The Department's decision is final.

5. Determining DBE Eligibility

Directory of DBE firms

a. The only resource for DBE firms certified in the State of Wisconsin is the Wisconsin Unified Certification Program (UCP) DBE Directory. WisDOT maintains a current list of certified DBE firms at: http://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/dbe-ucp-directory.xlsx

b. The DBE Program office is available to assist with contracting DBE firms:(608) 267-3849.

c. DBE firms are certified based on various factors including the federal standards from the Small Business Administration that assigns a North American Industrial Classification (NAICS) Codes. DBE firms are only eligible for credit when performing work in their assigned NAICS code(s). If a DBE subcontractor performs work that is not with its assigned NAICS code, the prime contractor should contact the DBE Office to inquire about compatibility with the Business Development Program.

6. Counting DBE Participation

Assessing DBE Work

The Department will only count the DBE usage towards the contract DBE goal if the DBE firm is certified as a DBE by one of the UCP agencies. The Department only counts the value of the work a DBE actually performs towards the DBE goal. The Department assesses the DBE work as follows:

a. The Department counts work performed by the DBE firm's own resources. The Department includes the cost of materials and supplies the DBE firm obtains for the work. The Department also includes the cost of equipment the DBE firm leases for the work. The Department will not include the cost of materials, supplies, or equipment the DBE firm purchases or leases from the prime contractor or its affiliate, with the exception of non-project specific leases the DBE has in place before the work is advertised.

b. The Department counts fees and commissions the DBE subcontractor charges for providing bona fide professional, technical, consultant, or managerial services. The Department also counts fees and commissions the DBE charges for providing bonds or insurance. The Department will only count costs the program engineer deems reasonable based on experience or prevailing market rates.

c. If a DBE firm subcontracts work, the Department counts the value of the work subcontracted to a DBE subcontractor.

d. The contractor will maintain records and may be required to furnish periodic reports documenting its performance under this item.

e. It is the Prime Contractor's responsibility to determine whether the work that is committed and/or contracted to a DBE firm can be counted for DBE credit by referencing the work type and NAICS code listed for the DBE firm on the Wisconsin UCP DBE Directory.

f. It is the Prime Contractor's responsibility to assess the DBE firm's ability to perform the work for which it is committing/contracting the DBE to do. Note that the Department encourages the Prime Contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts.

g. The Prime Contractor will inform the DBE office via email of all DBE subcontractors added to the project following execution of the contract. The Prime Contractor may omit submission of another form DT1506, but must submit signed Attachment A forms for additional DBE firms.

h. See Section 7 for DBE credit evaluation for Trucking and Section 8 for DBE credit evaluation for Manufacturers, Suppliers, and Brokers

Naming conventions: When emailing files, please use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, Attachment A" Email: DBE_Alert@dot.wi.gov

*Note: A sublet request is required for DBE work, regardless of subcontract tier, and also for reporting materials or supplies furnished by a DBE.

- Sublet Requests via form DT1925 or WS1925 are required for 1st Tier DBEs
- For all 2nd Tier and below notification of DBE sublet is indicated by the contractor entering them in CRCS

7. Credit Evaluation for Trucking

All bidders are expected to adhere to the Department's current trucking policy posted on the HCCI website at: http://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/trucking-utilization-policy.pdf

The prime contractor is responsible for ensuring that all subcontractors including trucking firms, receive Form FHWA 1273: https://www.fhwa.dot.gov/programadmin/contracts/1273/1273.pdf

See Section 8 for Broker credit.

8. Credit Evaluation for Manufacturers, Suppliers, Brokers

The Department will calculate the amount of DBE credit awarded to a prime using a DBE firm for the provisions of materials and supplies on a contract-by-contract basis. The Department will count the material and supplies that a DBE firm provides under the contract for DBE credit based on whether the DBE firm is a manufacturer, supplier, or broker. Generally, DBE credit is determined through evaluation of the DBE owner's role, responsibility, and contribution to the transaction. Maximum DBE credit is awarded when the DBE firm manufactures materials or supplies. DBE credit decreases when the DBE firm solely supplies materials, and minimal credit is allotted when the DBE firm's role is administrative or transactional. It is the bidder's responsibility to confirm that the DBE firm is considered a supplier or a manufacturer before listing them on Commitment to Subcontract to DBE form DT1506 or DBE Commitment submitted with the bid.

a. Manufacturers

(1) A manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications.

(2) If the materials or supplies are obtained from a DBE manufacturer, **100%** percent of the cost of the materials or supplies counts toward DBE goals.

b. Regular Dealers of Material and/or Supplies

(1) A regular dealer is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications

and required under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business.

(2) If the materials or supplies are purchased from a DBE regular dealer, count **60%** percent of the cost of the materials or supplies toward DBE goals.

(3) At a minimum, a regular dealer must meet the following criteria to be counted for DBE credit:

i. The DBE firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question.

ii. The DBE firm must both own and operate distribution equipment for the product--bulk items such as petroleum products, steel, cement, gravel, stone, or asphalt. If some of the distribution equipment is leased, the lease agreement must accompany the DBE Commitment form for evaluation of the dealer's control before the DBE office approves the DBE credit.

(4) When DBE suppliers are contracted, additional documentation must accompany the DBE Commitment and Attachment A forms. An invoice or bill-of-sale that includes names of the bidder and the DBE supplier, along with documentation of the calculations used as the basis for the purchase agreement, subcontract, or invoice. WisDOT recognizes that the amount on the Attachment A form may be more or less than the amount on the invoice per b.(1) above.

i. The bidder should respond to the following questions and include with submission of form DT1506 or the DBE Commitment entered with bid:

a. What is the product or material?

b. Is this item in the prime's inventory or was the item purchased when contract was awarded?

c. Which contract line items were referenced to develop this quote?

d. What is the amount of material or product used on the project?

(5) Supplies purchased in **bulk** from DBE firms at the beginning of the season may be credited to current contracts if submitted with appropriate documentation to the DBE office.

i. To ensure that the appropriate credit is assigned, follow the procedure below:

a. When DBE suppliers are contracted for bulk supply or commodity purchases, an invoice or bill-of-sale that includes names of the contractor and the DBE supplier should be submitted to the DBE Office via eSubmit (preferred during letting) or the DBE_Alert email box. The supply/commodity credit may be applied during the federal fiscal year (October- September) in which the purchase was made.

b. When the contractor intends to apply the credit to a particular project, submit a copy of the original invoice, documentation of the calculations for supplies/commodities to be used on the project, and an Attachment A. Indicate on the Attachment A:

c. This supply/commodity is in the prime's inventory or pre-paid in case of commodities

d. The full value of the original invoice submitted to the DBE Office, above in (1)

e. The amount of material or product used on this project

f. Fuel estimate listed on Attachment A will be recorded as a deduction from the full fuel purchase amount shown on the invoice

ii. DBE Office Process (Applies only to bulk purchases)

a. Supply/Commodity commitment is received

b. Engineer verifies amount listed on invoice and enters the full amount into spreadsheet

c. The amount of credit applied for each project is updated on the spreadsheet until the bulk purchase is exhausted

d. Engineer informs contractor when full amount of bulk purchase has been applied

c. Brokers, Transaction Expediters, Packagers, Manufacturers' Representatives

(1) No portion of the cost of the materials, supplies, services themselves will count for DBE credit. However, WisDOT will evaluate the fees or commissions charged when a prime purchases materials, supplies, or services from a DBE certified firm which is neither a manufacturer nor a regular dealer, namely: brokers, packagers, manufacturers' representatives, or other persons who arrange or expedite transactions.

(2) Brokerage fees are calculated as **10%** of the purchase amount.

(3) WisDOT may count the amount of fees or commissions charged for assistance in the procurement of the materials and supplies, fees, or transportation charges for the delivery of materials or supplies required on a job site.

(4) Evaluation of DBE credit includes review of the contract need for the item/service, the sub-contract or invoice for the item/service, and a comparison of the fees customarily allowed for similar services to determine whether they are reasonable.

9. DBE Commitment Modification Policy (Formerly "DBE Replacement Policy")

a. Issuing a Contract Change Order

Any changes or modifications to the contract once executed are considered contract modifications and as such require a change order. In addition, the DBE office must provide consent for reduction, termination, or replacement of subcontractors approved on the DBE Commitment *in advance* of the modification for the prime contractor to receive payment for work or supplies. Additions to the DBE Commitment do not require advance notification of the DBE office. (see below e. DBE Utilization beyond the approved DBE Commitment)

b. Contractor Considerations

(1) A prime contractor cannot modify the DBE Commitment through reduction in participation, termination, or replacement of a DBE subcontractor listed on the approved DBE Commitment without prior written consent from the DBE Office. This includes, but is not limited to, instances in which a prime contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm.

(2) If a prime contractor reduces participation, replaces, or terminates a DBE subcontractor who has been approved for DBE credit toward its contract, the prime is required to provide documentation supporting its inability to fulfill the contractual commitment made to the Department regarding the DBE utilization.

(3) The Prime Contractor is required to demonstrate efforts to find another DBE subcontractor to perform at least the same amount of work under the contract as the DBE subcontractor that was terminated, to the extent needed to meet the assigned DBE contract goal. When additional opportunity is available by contract modifications, the Prime Contractor must utilize DBE subcontractors that were committed to equal work items, in the original contract.

(4) In circumstances when a DBE subcontractor fails to complete its work on the contract for any reason, or is terminated from a contract, the Prime Contractor must undertake efforts to maintain its commitment to the assigned DBE goal.

(5) The DBE subcontractor should communicate with the Prime Contractor regarding its schedule and capacity in the context of the contract. If the DBE firm anticipates that it cannot fulfill its subcontract, they will advise the Prime Contractor and suggest a DBE subcontractor that may replace their services and provide written consent to be released from its subcontract.

i. Before the Prime Contractor can request modification to the approved DBE Commitment, the Prime Contractor must:

a. Make every effort to fulfill the DBE Commitment by working with the listed DBE subcontractor to ensure that the firm is fully knowledgeable of the Prime Contractor's expectations for successful performance on the contract. Document these efforts in writing.

b. If those efforts fail, provide written notice to the DBE subcontractor of the Prime Contractor's intent to request to modify the Commitment through reduction in participation, termination, and/or replacement of the subcontractor including the reason(s) for pursuing this action.

c. Copy the DBE Office on all correspondence related to changing a DBE subcontractor who has been approved for DBE credit on a contract, including preparation and coordination efforts.

d. Clearly state the amount of time the DBE firm has to remedy and/or respond to the notice of intent to replace/terminate. The DBE must be allowed five days from the date notice was received as indicated by email time stamp or signed certified mail, to respond, in writing. EXCEPTION: The Prime Contractor must provide a verifiable reason for a response period shorter than five days. For example, a WisDOT project engineer or project manager confirms that WisDOT has eliminated an item the DBE subcontractor was contracted for.

e. The DBE subcontractor must acknowledge the contract modification with written response to the Prime Contractor and the DBE Office. If objecting to the subcontract modification, the DBE subcontractor must outline the basis for objection to the proposed modification, providing sound reasoning for WisDOT to reject the prime's request.

c. Request to Modify DBE Subcontracting Commitment

The written request referenced above may be delivered by email or fax. The request must contain the following:

(1) Project ID number

(2) WisDOT Contract Project Engineer's name and contact information

(3) DBE subcontractor name and work type and/or NAICS code

(4) Contract's progress schedule

(5) Reason(s) for requesting that the DBE subcontractor be replaced or terminated

(6) Attach/include all communication with the DBE subcontractor to deploy/address/resolve work completion

Naming conventions: When emailing files, please use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, MODIFICATION" Email: DBE_Alert@dot.wi.gov + Project Engineer

WisDOT will review the request and any supporting documentation submitted to evaluate if the circumstance and the reasons constitute good cause for replacing or terminating the approved DBE subcontractor.

Good Causes to Replace a DBE subcontractor according to the federal DBE program guidelines {49 CFR part 26.53}

- The listed DBE subcontractor fails or refuses to execute a written contract
- The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor
- The listed DBE subcontractor fails or refuses to meet the prime contractor's reasonable, nondiscriminatory bond requirements
- The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness
- The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215, and 1,200 or applicable state law
- The prime has determined that the listed DBE subcontractor is not a responsible contractor
- The listed DBE subcontractor voluntarily withdraws from the project and provides written notice of its withdrawal
- The listed DBE subcontractor is ineligible to receive DBE credit for the type of work required

- A DBE firm owner dies or becomes disabled with the result that the listed DBE subcontractor is unable to complete its work on the contract.

d. Evaluation and Response to the Request

WisDOT's timely response to the Prime Contractor's request for modification of the approved DBE Commitment will be provided to the prime and the WisDOT project engineer via email.

If WisDOT determines that the Prime Contractor's basis for reduction in participation, replacement, or termination of the DBE subcontractor is not consistent with the good cause guidelines, the DBE office will provide a response via email within 48-hours of receipt of request from the Prime Contractor as indicated by email time stamp. The communication will include: the requirement to utilize the committed DBE, actions to support the completion of the contractual commitment, a list of available WisDOT support services, and administrative remedies, including withholding payment to the prime, that may be invoked for failure to comply with federal DBE guidelines for DBE replacement.

The WisDOT contact for all actions related to modification of the approved DBE Commitment is the DBE Program Engineer who can be reached at DBE_Alert@dot.wi.gov or (414) 335-0413.

e. DBE Utilization beyond the approved DBE Commitment

When the prime or a subcontractor increases the scope of work for an approved DBE subcontractor or adds a DBE subcontractor who was not on the approved form DT1506 or DBE Commitment submitted with bid at any time after contract execution, this is referred to as voluntary DBE contract goal achievement. The contractor must follow these steps to ensure that the participation is accurately credited toward the DBE goal:

(1) Forward a complete, signed Attachment A form to the DBE Office. A complete Attachment A includes DBE subcontractor contact information, signatures, subcontract value, and description of the work areas to be performed by the DBE. The DBE Office will verify the DBE participation and revise the DBE Commitment based on the email/discussion and the new Attachment A.

(2) When adding to an existing DBE Commitment, submit a new Attachment A to the DBE Alert mailbox

(3) OR Submit a final Attachment A to DBE Alert during the Finals Process when Compliance receives notice of "Substantially Complete"

Naming conventions: When emailing files, please use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, New Attachment A" Email: DBE_Alert@dot.wi.gov

Special note on trucking

- DBE truckers added to the sublets in CRCS *will* be approved without DBE credit (You will see a "N" in CRCS instead of "Y")
- Prime Contractors may enter a "place holder" e.g. $1000.00, for DBE Trucking in CRCS if the full amount of trucking is unknown for sublet purposes only
- The hiring contractor may obtain the Attachment A with DBE signature included but the **Prime Contractor** must sign the Attachment A before submitting
- DBE truckers need to be added to the DBE commitment once. If the DBE trucker is on the initial commitment (DT1506/E1506) there is no requirement to submit another Attachment A for that trucker for that contract.

10. Commercially Useful Function

a. Commercially Useful Function (CUF) is evaluated after the contract has been executed, while the DBE certified firm is performing contracted work items.

b. The Department uses Form DT1011, DBE Commercially Useful Function Review and Certification to evaluate if the DBE is performing a commercially useful function. WisDOT counts expenditures of a DBE toward the DBE goal only if the DBE is performing a commercially useful function on that contract.

c. A DBE firm is performing a commercially useful function if the following conditions are met:

(1) For contract work, the DBE is responsible for executing a distinct portion of the work and is carrying out its responsibilities by actually performing, managing, and supervising that work.

(2) For materials and supplies, the DBE is responsible for negotiating price, determining quality and quantity, ordering, and paying for those materials and supplies.

d. Offsite Hauling – when DBE truck will haul between a pit and plant or location other than the construction site associated with the commitment

(1) Indicate Offsite Hauling on Attachment A

(2) Discuss offsite hauling at weekly progress meetings with Project Engineer (PE)

(3) PE conducts spot checks of pits/plants to verify DBE truck is hauling and/or verifying hauling log

(4) Prime should be prepared to submit haul tickets, plant/pit tickets, timecards, and other pertinent documentation if requested by PE or DBE Office

11. Credit Evaluation for DBE Primes

WisDOT calculates DBE credit based on the amount and type of work performed by DBE certified firms for work submitted with required documentation. If the prime contractor is a DBE certified firm, the Department will only count the work that the DBE prime performs with its own forces for DBE neutral credit. The Department will also calculate DBE credit for work performed by any other DBE certified subcontractor, DBE certified supplier, and DBE certified manufacturer on the contract in each firm's approved NAICS code/work areas that are submitted with required documentation. Crediting for manufacturers and suppliers is calculated consistent with Section 8 of this document and 49 CFR Part 26.

12. Joint Venture

A joint venture is an association of a DBE firm and one or more other firms to carry out a single, for-profit business enterprise, for which the parties combine their property, capital, efforts, skills and knowledge, and in which the DBE is responsible for a distinct, clearly defined portion of the work of the contract and whose share in the capital contribution, control, management, risks, and profits of the joint venture are commensurate with its ownership interest. If a DBE performs as a participant in a joint venture, the Department will only credit the portion of the total dollar value of the contract equal to the portion of the work that the DBE performs with its own forces.

13. Mentor-Protégé

a. If a DBE performs as a participant in a mentor-protégé agreement, the Department will credit the portion of the work performed by the DBE protégé firm.

b. DBE credit is evaluated and confirmed by the DBE Office for any contracts on which the mentor-protégé team identifies itself to the DBE Office as a current participant of the Mentor-Protégé Program.

(1) DBE credit may only be awarded to a non-DBE mentor firm for using its own protégé firm for less than one half of its goal on any contract; and

(2) Not award DBE credit to a non-DBE mentor firm for using its own protégé firm for more than every other contract performed by the protégé firm.

c. A DBE protégé firm may be eligible for conditional NAICS code extension for training with the mentor. Request permission from the DBE Office- Certification area.

d. Refer to WisDOT's Mentor-Protégé guidelines for guidance on the number of contracts and amount of DBE credit allowed on WisDOT projects.

14. Use of Joint Checks

The use of joint checks is allowable if it is a commonly recognized business practice in the material industry. A joint check is defined as a two-party check between a DBE subcontractor, a prime contractor, and the regular dealer or materials supplier who is neither the prime nor an affiliate of the prime. Typically, the prime contractor issues one check as payor to the DBE subcontractor and to the supplier jointly (to guarantee payment to the supplier) as payment for the material/supplies used by the DBE firm in cases where the DBE subcontractor and materials have been approved for DBE credit. The DBE subcontractor gains the opportunity to establish a direct contracting relationship with the supplier to potentially facilitate a business rapport that results in a line of credit or increased partnering opportunities.

The cost of material and supplies purchased by the DBE firm is part of the value of work performed by the DBE to be counted toward the goal. To receive credit, the DBE firm must be responsible for negotiating price, determining quality and quantity, ordering the materials, and installing (where applicable) and "paying for the material itself." See 49 CFR 26.55(c)(1).

The approval to use joint checks constitutes a commitment to provide further information to WisDOT, upon request by staff. WisDOT will allow the use of joint checks when the following conditions are met:

a. The Prime Contractor must request permission to use joint checks from the DBE Office by submitting the Application to Use Joint Checks.

(1) Request should be made when the DBE Commitment or the Request to Sublet is submitted; the request will not be considered if submitted after the DBE Subcontractor starts its work.

(2) Approval/Permission must be granted prior to the issuance of any joint checks.

(3) The payment schedule for the supplier must be presented to the DBE office before the first check is issued.

(4) The joint check for supplies must be strictly for the cost of approved supplies.

b. The DBE subcontractor is responsible for furnishing and/or installing the material/work item and is not an ‘extra participant’ in the transaction. The DBE firm’s role in the transaction cannot be limited solely to signing the check(s) to release payment to the material supplier. At a minimum, the DBE subcontractor’s tasks should include the following:

(1) The DBE subcontractor (not the prime/payor) negotiates the quantities, price, and delivery of materials.

(2) The DBE subcontractor consents to sign/release the check to the supplier by signing the Application to Use Joint Checks after establishing the conditions and documentation of payment within the subcontract terms or in a separate written document.

c. The Prime contractor/payor acts solely as a guarantor.

(1) The Prime Contractor agrees to furnish the check used for the payment of materials/supplies under the contract.

(2) The prime contractor/payor cannot require the subcontractor to use a specific supplier or the prime contractor’s negotiated unit price.

15. Payment

Costs for conforming to this Additional Special Provision (ASP) and any associated DBE requirements are incidental to the contract.

Appendix A
Substantive Conversation Guidelines

The substantive conversation is critical to all bidders' demonstration of good faith effort to meet the DBE goal prior to bid opening. Relationship building between primes and subcontractors is crucial to DBE goal attainment. Responsible bidders seek to build rapport with potential DBE subcontractors to understand capacity, areas of expertise, and assess contracting feasibility. Bidders who compete for WisDOT contracts are specialty contractors responding to a growing and changing contract environment. Just as these specialists are responsible for care of the roads, they are likewise responsible for contributing to the health of the industry. The substantive conversation drives collaboration that will build industry health and capacity. The following is intended to provide guidance for such discussions but is not an exhaustive list. Contractors are encouraged to incorporate their existing strategies for cultivating business relationships as well.

<u>Prior to Bid Opening- this discussion should happen as early as possible (WisDOT advertisements are released weeks prior to each Let)</u>

1. Determine DBE subcontractor's interest in quoting
2. If response indicates inexperience with quoting- offer support/assistance to the DBE in understanding the industry including fundamentals a subcontractor needs to know, required reading and/or resources.
3. Assess their interest and experience in the road construction industry by asking questions such as:

- Have you competed for other WisDOT contracts? Ratio of competed/to wins
- Have you performed on any transportation industry contracts (locally or with other states)?
- What the largest contract you've completed?
- Have you worked in the industry: apprentice, journeyman, safety, inspection etc.?
- Does this project fit into your schedule? Are you working on any contracts now?
- Have you reviewed a copy of the plans? Are you comfortable performing within the scope and quantity considerations of this contract?
- What region do you work in? Home base?
- Which line items are you considering?
- Have you read/are you familiar with WisDOT Standard Specifications? Construction Material Manual?
- Do you understand where your work fits in the project schedule, project phases?

<u>Following Bid Opening- this discussion can happen at any time</u>

1. After reviewing their quote, note the following in your discussion:

- Does the quote look complete? Irregular?
- Are there errors in the quote? Are items very high or very low?
- In general, does the quote look competitive?

2. Questions and Advice for the bidder to share with the potential DBE subcontractor:

- What line items would typically be in a competitive quote for a subcontractor of their specialty?
- How many employees and what is their role/experience/expertise in your firm?
- Do you have resources for labor (union member, family-based, community-resourced) and capital (banking relationship, bond agent, CPA)?
- Where have you worked: cities, states, government, commercial, residential/private sector, etc. Explain similarities or differences.
- Refer them to reliable, trusted, industry resources that can educate or connect them to relevant resources, education/certification resources, more appropriate contract opportunities.
- Discussion about prime contract and subcontract liability, critical path items, contract quantities, schedule risks, and potential profit/loss (for upcoming known projects or in general).
- Discussion of bonding, insurance, and overall business risk considerations.

Appendix B

Sample Contractor Solicitation Letter Page 1

(This sample is provided as a guide, not a formatting requirement)

DBE Solicitation - [Month] [Day], [Year] WisDOT Bid Letting

Attention all DBEs. [Prime Contractor] is actively seeking your quote for the [Month][Day], [Year] Bid Letting. [Prime Contractor] is considering bidding on the projects listed on page 2 as a prime contractor. Please see page 2 for instructions and the sub-contractable opportunities for each proposal.

Does [Prime Contractor] accept quotes in areas we might self-perform? Yes, we do! We support this federal rule and (if needed) we consider areas we might self-perform an opportunity to provide in the field assistance and training if we award your quote.

Where can DBEs find the plans, specifications & addenda? Please visit [Prime Contractor's] plan room [LINK] or on WisDOT's Highway Construction Contract Information HCCI website: Wisconsin Department of Transportation Highway Construction Contract Information (wisconsindot.gov). This same website can be checked for the contract status.

What should your quote include? All the costs required to complete the items you propose to perform including labor, equipment, material, and related bonding or insurance. The quote should also note items that you are DBE certified to perform, tied items, and any special terms. Please use page 2 as your cover sheet for your quote.

Do you have a question regarding bonding, credit, insurance, equipment, or supplies/materials? We welcome all DBE questions! Please call [Prime Contractor] and ask to speak with [Contact]. [Prime Contractor] can provide basic information as well as a referral to a trusted industry partner for insurance and bonding needs.

When are quotes due?

[Month] [Day], [Year] at [Time]. We accept quotes via SBN, email, or fax. Please make every effort to have your quotes in by this time or earlier. Quality check your quote so it includes the correct letting date, project ID, proposal number, unit price and extension.

Who can DBEs contact for questions, information, clarification or for a quote evaluation? [Project Manager Name] [Phone] [Email]. If you are quoting [Prime Contractor] for the first time, we encourage you to come meet with us in person to discuss the project. Our office hours are 7:30 a.m. – 5:00 p.m. On bid day, we are in the office by 6:30 a.m.

Why partner with [Prime Contractor]?

DBE partnership is a core part of [Prime Contractor's] mission. Including DBEs at the beginning of each project is essential in the success of each project. We consider DBEs to be important industry partners who bring dedication and knowledge at various stages during construction. We are proud to be an industry leader with our DBE partnership. Your success as a DBE is our success.

Sample Contractor Solicitation Letter Page 2

(This sample is provided as a guide, not a formatting requirement)

REQUEST FOR QUOTE

[Prime Contractor]
Letting Date: [Month] [Day], [Year]
Project IDs: 1234-56-00 (Proposal #1) & 1234-01-78 (Proposal #6)

Please check all that apply:
____Yes, we will be quoting the projects & items listed below
____ No, we are not interested in quoting on the letting or its items referenced below
____ Please take our name off your monthly DBE contact list
____ We have questions about quoting this letting. Please have someone contact me at this number:

Prime Contractor Contact:_____ DBE:_____
Phone:_____ Fax:_____
Email:_____

Please circle the proposals and items you will be quoting below and contact us with any questions

Proposal **County**	**1** **Dane County**	**6** **Crawford County**
Clearing & Grubbing	**X**	**X**
Dump Truck Hauling	**X**	**X**
Curb/Gutter/Sidewalk	**X**	
Erosion Control Items		**X**
Excavation	**X**	**X**
Pavement Marking		**X**
Traffic Control	**X**	
Sawing	**X**	**X**
QMP, Base		**X**
Pipe Underdrain	**X**	
Landscape		**X**
Beam Guard	**X**	
Electrical	**X**	
Signs/Posts/Markers		**X**
Survey/Staking		**X**

Again, please make every effort to have your quotes into our office by time deadline prior to the letting date.

Sample Contractor Solicitation Email - Simplified

(This sample is provided as a guide, not a formatting requirement)

ATTENTION DBEs

- **[Prime Contractor] specializes in municipal projects in the XX Region(s)**
- **We have successfully competed for *and* completed XX WisDOT projects over the past XX years**
- **Consider [Prime Contractor] your partner on WisDOT Projects**

[Prime Contractor] is seeking *your* subcontractor quote for the XX/XX/20XX WisDOT bid letting on the below projects:

Project	Proposal	County	Region
1234-56-00	**2**	**Dane**	**SW**
1234-01-78	**6**	**Crawford**	**SW**

- Please review the attachments **[attach Solicitation Letter]** and respond with your intent to quote (or not) along with the work items you are interested in performing and respond via fax or email by ***date***. The quote should note items that you are DBE certified to perform, tied items, and any special terms. Please include labor, equipment, material, and related bonding or insurance.

- If you have any questions regarding bonding, credit, insurance, equipment and/or materials/supplies, please feel free to call [Prime Contractor] and ask for [Contact]. **(Include if your company is willing to answer these types of DBE questions)**

- Plans and Specifications can be found: **WisDOT HCCI Website: List webpage where plans are located**

- If you do choose to quote, please make every effort to have your quote into our office by ***time and date.*** Make sure the correct letting date, project number, unit price and extension are included in your quote.

- Should you have questions regarding the mentioned project, please call our office at (414) 555-5555 and we will direct you to the correct estimator/project manager.
  Our office hours are 7:30 a.m. - 5:00 p.m.

Thank you – we look forward to working with your company on this project!

Prime Contractor
Project Manager
Direct: 414-555-5555
Cell: 414-555-5556

Sample Contractor Solicitation Email to non-DBE WisDOT Subcontractors - Simplified

(This sample is provided as a guide, not a formatting requirement)

ATTENTION WisDOT SUBCONTRACTORS

[Prime Contractor] is considering bidding on the below projects for the XX/XX/20XX WisDOT Bid Letting:

Project	Proposal	County	Region	DBE Goal
1234-56-00	2	Dodge	SW	6.00%
1234-01-78	11	Adams	NC	3.00%
1234-00-99	20	Buffalo	NW	5.00%
1234-00-98	33	Portage	NC	6.00%

The above projects have DBE goals and [Prime Contractor] is committed to DBE inclusion with every project. As such, we are requesting:

- All WisDOT Subcontractors to **solicit and utilize** DBEs in your quotes.
- DBE participation can be achieved through purchasing materials from DBE suppliers, using DBE subcontractors and/or DBE trucking firms or any combination of these.
- If there is an opportunity to untie an item in your quote so a DBE can be utilized, please look for those opportunities as well.
- Your quote will be evaluated based on the amount of DBE participation your company is able to provide when compared to other quotes for the same work.

If you do choose to quote, please make every effort to have your quote into our office by **time and date.** Please submit all quotes to [Email]. Make sure the correct letting date, project number, unit price and extension are included in your quote.

Should you have questions regarding the mentioned project, the Project Manager contact is: [Name] [Phone Number] [Email]

Thank you for utilizing DBEs who are trusted industry partners with WisDOT projects.

Prime Contractor
Project Manager
Direct: 414-555-5555
Cell: 414-555-5556

Appendix C
Small Business Network (SBN) Overview

The Small Business Network is a part of the Bid Express® service that was created to ensure that prime bidders have a centralized online location to find subs - including small and disadvantaged business enterprises (DBEs). It is available for prime bidders to use as part of their Basic Service subscription. Within the Small Business Network, **Prime Contractors** can:

1. Easily select proposals, work types and items:
    a. After adding applicable work types, select items that you wish to quote. Enter the sub-quote quantities and add comments, if desired. Adding or removing items and work types can be done quickly. If needed, you can save the sub-quote for later completion.
2. Create sub-quotes for the subcontracting community:
    a. Create sub-quotes with ease using the intuitive sub-quote creator. In seven short steps, you can rapidly create a custom sub-quote directed to all subcontractors that bid on the applicable work types. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
    b. Create a sub-quote to send to subcontractors or suppliers that lists the items in a proposal that you want quoted
    c. Create an unlimited number of sub-quotes for items you want quoted, and optionally mark them as a DBE preferred request.
    d. Add attachments to sub-quotes.
3. View sub-quote requests & responses:
    a. After logging into the Bid Express service, you can quickly review all of your sub-quote requests and all unsolicited sub-quote requests from subcontractors. To simplify the Small Business Network home screen, sub-quote requests can be hidden with one click if they are not applicable.
    b. View or receive unsolicited sub-quotes that subcontractors have posted, complete with terms, conditions and pricing.
4. View Record of Subcontractor Outreach Effort:
    a. For each sub-quote produced, a *Record of Subcontractor Outreach Effort* is generated that shows the response statistics for a particular sub-quote. If accepted by the letting agency, this report may serve as proof of a “Good Faith” effort in reaching out to the DBE community.
    b. Easily locate pre-qualified and certified small and disadvantaged businesses.
    c. Advertise to small and disadvantaged businesses more efficiently and cost effectively.
    d. Document your interactions with subs/DBEs by producing an Outreach Report (may be accepted as proof of DBE outreach at the discretion of each agency).

The Small Business Network help small businesses learn more about opportunities, compete more effectively, network with other contractors and subcontractors, and win more jobs. The DBE will provide free SBN accounts to DBEs when requested. Use DBE_Alert@dot.wi.gov to request an account. **DBE firms can:**

1. View and reply to sub-quote requests from primes:
    a. After logging into the Bid Express service, you can quickly review all incoming sub-quote requests and all unsolicited sub-quotes created by your company. Receive notifications by selected work type. To simplify on the Small Business Network home screen, sub-quote requests can be filtered by work types relevant to your interests or hidden with one click if they are not applicable.
2. Select items when responding to sub-quote requests from primes:
    a. You have the freedom to choose and price any number of items when responding to a sub-quote request. Quantities can be modified, and per-item comments are also available.
    b. View requests for sub-quotes for work that primes have posted for projects they are bidding, add your pricing, terms, and conditions, and submit completed sub-quotes to the requesting primes. c. Add attachments to a sub-quote.
3. Create and send unsolicited sub-quotes to specific contractors:
    a. Create unsolicited sub-quotes with ease using the intuitive sub-quote creator. In eight short steps, you can rapidly create a custom sub-quote directed at any number of specific vendors of your choosing. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
4. Easily select and price items for unsolicited sub-quotes:
    a. After adding applicable work types, select items that you wish to quote. The extended price calculates automatically, cutting out costly calculation errors. Comments can be provided on a per-item basis as well.
    b. Create an unsolicited sub-quote that lists the items from a proposal that you want to quote, include pricing, terms and conditions, and send it to selected prime/plan holder.
    c. Add attachments to a sub-quote.
    d. Add unsolicited work items to sub-quotes that you are responding to.
5. Easy Access to Valuable Information
    a. Receive a confirmation that your sub-quote was opened by a prime.
    b. View Bid Tab Analysis data from past bids, including the high, average and low prices of items.
    c. View important notices and publications from DOT targeted to small and disadvantaged businesses.
6. Accessing Small Business Network for WisDOT contracting opportunities
    a. If you are a contractor not yet subscribing to the Bid Express service, go to **www.bidx.com** and select “Order Bid Express.” The Small Business Network is a part of the Bid Express Basic Service.

Appendix D

Good Faith Effort Evaluation Measures *by categories referenced in DBE regulations*

Bidders must demonstrate that they took all necessary and reasonable steps to achieve the assigned DBE contract goal. For each contract, all bidders must submit documentation indicating the goal has been met or if falling short of meeting the assigned goal, must request a DBE Goal Waiver and document all efforts employed to secure DBE subcontractor participation on Form DT1202.

DBE staff analyze the bidder's documented good faith efforts to determine if action taken was sufficient to meet the goal. Sufficiency is measured contract-by-contract. WisDOT evaluates active and aggressive efforts, quality, quantity, scope, intensity, and appropriateness of the bidder's efforts as a scale of the principles of Good Faith outlined in 49 CFR Part 26, Appendix A. Additional emphasis is placed on the bidder's demonstration of timely submission of documentation and communication with DBE subcontractors, and business development initiatives undertaken to support DBE firm growth.

The following is a sample of good faith effort activities that are rated according to the accompanying rubric. Contractors are encouraged to identify additional activities that align with their business type(s).

- Personal, tailored solicitation to firms that specialize in work types planned or desired for subcontracting
- Follow up to initial solicitation via email or phone
- Substantive conversation including topics such as contract liability, critical path work items, schedule risks, and potential profit/loss
- SBN utilization including posting quotes
- Review and response to DBE quotes including provision of information about plans, specifications,and requirements as applicable
- Documentation requesting subcontractors support DBE goal by solicitation and inclusion of DBE subcontractor quotes
- Responsive and timely submission of organized documentation
- Analysis of number of DBE firms who do work types that you typically subcontract
- Analysis of number of DBE firms who reside in geographical areas where prime seeks work
- Analysis of firms who express interest in bidding/quoting including the number of firms who declined your solicitation
- Reference check of DBE subcontractor work or training (documentation of questions and response required)
- Number of different efforts undertaken to meet the assigned DBE goal as documented in accompanying Form DT1202
- Submission of all DBE quotes received matched with a variety of work to be performed by DBEs
- Number and names of DBE firms provided written advice, or referral to industry-specific business development resources
- Overall pattern of DBE utilization on all WisDOT contracts which may include contracting with municipalities
- Documentation of resources expended to meet assigned DBE goal (#of hours, staff titles, average pay rate, actions taken)
- Analysis of subcontractable work items to be completed by prime beyond prime contractor's 30%
- Risk analysis of work items that are typically in tied quotes that could be unbundled
- List of contract work items in smallest economically feasible units, identifying schedule impact
- Submission of a Gap Analysis identifying DBE skillset and/or industry needs
- Staff training in EEO and Civil Rights laws as documented in training logs
- Written Capacity Assessment completed with DBE firm documenting its ability to perform the work quoted
- DBE engagement efforts beyond simple solicitation that include a substantive discussion, initiated as early in the acquisition process as possible (*points added for each day prior to letting*)
- Outreach and marketing efforts with minority, women, and veteran-focused organizations at least 10 days prior to bid opening
- Active involvement in WisDOT's Business Development Program, TrANS training, facilitated networking efforts, workshops
- Customized teaching/training efforts for future opportunities with DBE subcontractor, contract specific and/or annually
- Introduction and reference provided for DBE subcontractor to a prime who has not previously contracted with the DBE firm
- Prime utilization of a DBE subcontractor the prime has not contracted with previously
- Written referral/recommendation to bond/insurance agents, manufacturer, supplier
- Documented efforts fostering DBE participation through administrative and/or technical assistance
- Evidence of negotiation with the DBE firm about current and future Let opportunities
- Recommendation of local and state services that support small business and access to opportunity: DOA, SBA, WEDC, WPI, etc.
- Advice on bonding, lines of credit, or insurance as required to complete the items quoted and contract requirements

GFE Evaluation Rubric – Phase 1 – Initial Review

DT1202	Examples	Rating	OBOEC Feedback
Solicitation Documentation	Identify all reasonable and available activities performed to solicit the interest of all certified DBEs who have capacity and ability to perform work on the project. *Such as: Updated solicitation letter and email, timely solicitation, and follow-up, and/or utilized various methods to communicate solicitation (ex: letter, email, publication, posting and/or website)*		
Selected Work Items Documentation	All work items are broken out into economically feasible units to facilitate DBE participation. *Such as: Selected work items are specific to each proposal and clearly identified in all solicitation(s)*		
Documentation of Project Information provided to Interested DBEs	Provide interested DBEs with adequate information about the plans, specifications, and any other contractual requirements in a timely manner to assist DBEs in response to solicitation. *Such as: Project information is clearly identified in all solicitation(s)*		
Documentation of Negotiation with Interested DBEs	Provide sufficient evidence demonstrating that good faith negotiations took place during the bid letting. *Such as: Documented attempts with DBEs or on behalf of DBEs to increase DBE participation*		
Documentation of Sound Reason for Rejecting DBEs	Provide sufficient evidence demonstrating that DBEs are rejected for sound reasons. *Such as: Detailed and thoughtful analysis that considers both the percentage and dollar difference when rejecting a DBE including past performance, relevant business experience and stability, safety record, business ethic and integrity, technical capacity, and other tangible factors.*		
Documentation of Assistance to Interested DBEs- bonding, credit, insurance, equipment, supplies/materials	Documented assistance in both solicitation(s) and outreach to DBEs.		
Documentation of Outreach to Minority, Women, and Community organizations and other DBE Business Development Support	Effectively use the services of minority, women, and community organizations as well as contractors' groups, local, state, and federal business assistance offices and organization that provide assistance in recruiting and supporting DBEs, as well participation in activities that support DBE business development. *Such as: Variety of activities that translate into meaningful DBE participation*		
Documentation of other GFE activities	*Such as: Used DT1202 Excel Workbook, Diversity & Inclusion company policy, Mentor-Protégé participant, awarded neutral DBE after bid submission, included company GFE overview/strategy information and/or company website highlights DBE opportunities and participation*		
Overall Demonstration of GFE			

GFE EVALUATION RATING LEGEND – PHASE 1 – Initial Review

Documentation provided by bidder is evaluated and rated on the rubric. Bidders should include activities characterized by the following types of effort:

ACTIVE & AGGRESSIVE: Demonstrated through engaged and assertive activity
QUALITY: Demonstrated through essential character of conscientious and serious activity
QUANTITY: Demonstrated through a measurable number of activities
SCOPE & INTENSITY: Demonstrated through a rigorous approach to an appropriate and purposeful range of activities
TIMING: Demonstrated through engagement efforts beyond simple solicitation, initiated early in the process

GFE EVALUATION – PHASE 2 – Team Review

GFE Team completes:

- Review of activities included on the rubric
- Review of the intent to award and sound reasoning submitted by Prime
- Bid analysis to confirm if any bid submitted met the DBE goal
- Review average of other bidders DBE goal achievement
- Team review of combined efforts documented in Phase 1 and 2 constitute final GFE determination

Rating Scale:

- **GFE Approval:**
  Bona Fide = 6 or more categories color coded green.
  Genuine effort characterized by sincere and earnest activities – "Solicitation" and "Sound Reasoning" must be green

- **GFE Approval:**
  Sufficient = 5 or more categories color coded green or yellow
  Adequate effort documented with a variety of quality activities – "Solicitation" and "Sound Reasoning" must be green or yellow

- **GFE Denial:**
  Pro Forma efforts = 4 or less categories color coded green or yellow. Perfunctory effort characterized by routine or superficial activities

Green = Exceeds expectations
Yellow = Meets expectations
Red = Areas in need of attention and/or absence of documentation **See OBOEC Rubric Analysis_Feedback**

Excerpt from Appendix A to 49 CFR Part 26:
V. In determining whether a bidder has made good faith efforts, it is essential to scrutinize its documented efforts. At a minimum, you must review the performance of other bidders in meeting the contract goal. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts. As provided in §26.53(b)(2)((vi), you must also require the contractor to submit copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract to review whether DBE prices were substantially higher; and contact the DBEs listed

GFE RUBRIC ANALYSIS	
OBOEC DECISION	APPROVAL OR DENIAL
Prime Contractor	
Proposal	
Project	
Bid Letting	
DBE Goal Amount	
DBE Goal Amount Achieved	
Bid Analysis	
Goal %	Achieved %
Apparent Low Bidder	%
Bidder B	
Bidder C	
Average of OTHER Bidders (Not including Apparent Low Bidder)	
DBE Quotes Received	
DBE Quotes Awarded	
DBE Quote(s) Rejected	**Rejected Quote Analysis**
DBE Quote(s) Awarded	**Awarded DBE Amount**

Appendix E
Good Faith Effort Best Practices

This list is not a set of requirements; it is a list of potential strategies

Primes

- Prime contractor open houses inviting DBE firms to see the bid "war room" or providing technical assistance.
- Participate in speed networking and mosaic exercises as arranged by DBE office.
- Host information sessions not directly associated with a bid letting.
- Participate in a formal mentor protégé or joint venture with a DBE firm.
- Participate in WisDOT advisory committees i.e. TRANSAC, or Mega Project committee meetings.
- Facilitate a small group DBE 'training session' clarifying how your firm prepares for bid letting, evaluates subcontractors, preferred qualifications, and communication methods.
- Encourage subcontractors to solicit and highlight DBE participation in their quotes to you.
- Quality of communication, not quantity creates the best results. Contractors should be thorough in communicating with DBE firms before the bid and provide any assistance requested to assure best possible bid.

DBE

- DBE firms should contact primes as soon as possible with questions regarding their quotes or bid; seven days prior is optimal.
- Continually check for contract addendums on the HCCI website through the Thursday prior to letting to stay abreast of changes.
- Review the status of contracts on the HCCI website reviewing the 'apparent low bidder' list and bid tabs at a minimum.
- Prepare a portfolio or list of related projects and prime and supplier references; be sure to note transportation related projects of similar size and scope, firm expertise and staffing.
- Participate in DBE office assessment programs.
- Participate on advisory and mega-project committees.
- Sign up to receive the DBE Contracting Update.
- Consider membership in relevant industry or contractor organizations.
- Active participation is a must. Quote as many projects as you can reasonably work on; quoting the primes and bidding as a prime with the Department are the only ways to get work.

Appendix F
Good Faith Effort Evaluation Guidance
Appendix A of 49 CFR Part 26

I. When, as a recipient, you establish a contract goal on a DOT-assisted contract for procuring construction, equipment, services, or any other purpose, a bidder must, in order to be responsible and/or responsive, make sufficient good faith efforts to meet the goal. The bidder can meet this requirement in either of two ways. First, the bidder can meet the goal, documenting commitments for participation by DBE firms sufficient for this purpose. Second, even if it doesn't meet the goal, the bidder can document adequate good faith efforts. This means that the bidder must show that it took all necessary and reasonable steps to achieve a DBE goal or other requirement of this part which, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not fully successful.

II. In any situation in which you have established a contract goal, Part 26 requires you to use the good faith efforts mechanism of this part. As a recipient, you have the responsibility to make a fair and reasonable judgment whether a bidder that did not meet the goal made adequate good faith efforts. It is important for you to consider the quality, quantity, and intensity of the different kinds of efforts that the bidder has made, based on the regulations and the guidance in this Appendix.

The efforts employed by the bidder should be those that one could reasonably expect a bidder to take if the bidder were actively and aggressively trying to obtain DBE participation sufficient to meet the DBE contract goal. Mere pro forma efforts are not good faith efforts to meet the DBE contract requirements. We emphasize, however, that your determination concerning the sufficiency of the firm's good faith efforts is a judgment call. Determinations should not be made using quantitative formulas.

III. The Department also strongly cautions you against requiring that a bidder meet a contract goal (i.e., obtain a specified amount of DBE participation) in order to be awarded a contract, even though the bidder makes an adequate good faith efforts showing. This rule specifically prohibits you from ignoring bona fide good faith efforts.

IV. The following is a list of types of actions which you should consider as part of the bidder's good faith efforts to obtain DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.

A. (1) Conducing market research to identify small business contractors and suppliers and soliciting through all reasonable and available means the interest of all certified DBEs that have the capability to perform the work of the contract. This may include attendance at pre-bid and business matchmaking meetings and events, advertising and/or written notices, posting of Notices of Sources Sought and/or Requests for Proposals, written notices or emails to all DBEs listed in the State's directory of transportation firms that specialize in the areas of work desired (as noted in the DBE directory) and which are located in the area or surrounding areas of the project.

(2) The bidder should solicit this interest as early in the acquisition process as practicable to allow the DBEs to respond to the solicitation and submit a timely offer for the subcontract. The bidder should determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.

B. Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units (for example, smaller tasks or quantities) to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces. This may include, where possible, establishing flexible timeframes for performance and delivery schedules in a manner that encourages and facilitates DBE participation.

C. Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation with their offer for the subcontract.

D. (1) Negotiating in good faith with interested DBEs. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional Agreements could not be reached for DBEs to perform the work.

(2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Prime contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.

E. (1) Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union status) are not legitimate causes for the rejection or non-solicitation of bids in the contractor's efforts to meet the project goal. Another practice considered an insufficient good faith effort is the rejection of the DBE because its quotation for the work was not the lowest received. However, nothing in this paragraph shall be construed to require the bidder or prime contractor to accept unreasonable quotes in order to satisfy contract goals.

(2) A prime contractor's inability to find a replacement DBE at the original price is not alone sufficient to support a finding that good faith efforts have been made to replace the original DBE. The fact that the contractor has the ability and/or desire to perform the contract work with its own forces does not relieve the contractor of the obligation to make good faith efforts to find a replacement DBE, and it is not a sound basis for rejecting a prospective replacement DBE's reasonable quote.

F. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or contractor.

G. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

H. Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, State, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.

V. In determining whether a bidder has made good faith efforts, it is essential to scrutinize its documented efforts. At a minimum, you must review the performance of other bidders in meeting the contract goal. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts. As provided in §26.53(b)(2)((vi), you must also require the contractor to submit copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract to review whether DBE prices were substantially higher; and contact the DBEs listed on a contractor's solicitation to inquire as to whether they were contacted by the prime. Pro forma mailings to DBEs requesting bids are not alone sufficient to satisfy good faith efforts under the rule.

VI. A promise to use DBEs after contract award is not considered to be responsive to the contract solicitation or to constitute good faith efforts.

[79 FR 59600, Oct. 2, 2014]

Appendix G

(SAMPLE) Forms DT1506 and DT1202

Official Form DT1506 can be found here: https://wisconsindot.gov/Documents/formdocs/dt1506.pdf

COMMITMENT TO SUBCONTRACT TO DBE

Clear

Wisconsin Department of Transportation

DT1506 12/2021 s.84.06(2) Wis. Stats. ☐ Non-Traditional Project

Project ID: _____

Proposal # _____

Prime Contractor: _____

County: _____

Letting Date: _____

Total $ Value of Prime Contract: $ _____

DBE Contract Goal: _____ %

DBE Goal Achieved: 0.00 %

This contract requires that a specified percentage of the work be subcontracted to a disadvantaged business enterprise and that this information be submitted as described in ASP-3. The submittal of this form with the bid proposal constitutes your DBE commitment. Include Attachment A for DBEs included on commitment.

This form must be completed and returned for this proposal. See page 2 for instructions.

1. DBE Firm	2. Work or Items to be subcontracted	3. Supplier Y/N	4. Trucking Only	5. DBE Full Subcontract $	6. DBE Amount for Credit $
			O# L#		
			O# L#		
			O# L#		
			O# L#		
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			O# L#		
			O# L#		
			O# L#		
			O# L#		
				$ 0.00	$ 0.00

Government Use Only Approved Amounts		
A =	$	%
V =	$	%
Total =	$	%

Signature:

Date:

Good faith effort approved: Yes ☐ No ☐

Prime Representative Signature & Date

DBE Office Signature & Date Approved

COMMITMENT TO SUBCONTRACT TO DBE
ATTACHMENT A

CONFIRMATION OF PARTICIPATION

Project I.D.:	Proposal Number:
Letting Date:	

Name of DBE Firm Participating in this Contract:	
Name of the Prime/Subcontractor who hired the DBE Firm: *(list all names of tiers if more than one)*	
Type of Work or Type of Material Supplied:	
Total Subcontract Value:	Total DBE Credit Value:

FOR PRIME CONTRACTORS ONLY: I certify that I made arrangements with the participating DBE firm to perform the type of work listed or supply the material indicated above for the subcontract value listed above.	Prime Contractor Representative's Signature
	Prime Contractor Representative's Name (Print Name)
	Prime Contractor (Print Company Name)
	Date

FOR PARTICIPATING DBE FIRMS ONLY: I certify that I made arrangements with the Prime Contractor or the Hiring Contractor to perform the type of work or supply the material indicated above for the subcontract value listed above.	Participating DBE Firm Representative's Signature	Date
	Participating DBE Firm Representative's Name (Print Name)	
FOR DBE TRUCKING FIRMS ONLY: I certify that I will utilize, for DBE credit, only trucks listed on my WisDOT approved Schedule of Owned/Leased Vehicles for DBE Credit form and I will be utilizing the number of trucks as listed below.	Participating DBE Firm (Print Company Name)	
	DBE Firm's Address:	

# Owned Trucks	# Leased Trucks	# DBE-Owned Leased Trucks	# Non-DBE-Owned Leased Trucks

☐ Off site Hauling

Official Form DT1506 can be found here: https://wisconsindot.gov/Documents/formdocs/dt1506.pdf

DOCUMENTATION OF GOOD FAITH EFFORT

Wisconsin Department of Transportation
DT1202 3/2020

Project ID	Proposal No.	Letting
Prime Contractor		County
Person Submitting Document		Telephone Number
Address		Email Address

All bidders must undertake necessary and reasonable steps to achieve the assigned DBE contract goal per federal regulatory guidance at 49 CFR Part 26. Bidders use this form to document all efforts employed to meet the assigned goal as a record of contractor good faith efforts (GFE). Refer to ASP3 or 49 CFR Part 26 for guidance on actions that demonstrate good faith effort.

It is critical to list all efforts, attach documentation, and follow the instructions to complete this submission. Documentation of good faith effort includes copies of each DBE and non-DBE subcontractor quote submitted to the bidder for the same line items. Utilize the sample documentation logs to document and organize efforts.

Submit good faith effort documentation per ASP-3 guidelines.

Instructions: Provide a narrative description of all activities pursued to demonstrate good faith efforts, any corresponding documentation, and applicable explanation on separate pages. Include the following items, organized in the order listed below.

1. **Solicitation Documentation:**
   - a. **Purpose:** To identify all reasonable and available activities the bidder performed to solicit the interest of all certified DBEs who have the capacity and ability to perform work on the project. All solicitation efforts should begin as early as possible to ensure DBEs have ample time to respond and ask questions.
   - b. **Action:** Identify and list all activities engaged in to solicit DBEs using all reasonable and available means such as written notice and follow-up communications; substantive conversations; pre-bid meetings; networking events; market research; advertising.
2. **Selected Work Items Documentation:**
   - a. **Purpose:** To ensure that all work items are broken out into economically feasible units to facilitate DBE participation. This must occur even when you prefer to perform the work yourself.
   - b. **Action:** Identify economically feasible work units to be performed by DBEs to include activities such as: list of work items to be performed; breaking up of large work items into smaller tasks or quantities; flexible time frames for performance and delivery schedules.
3. **Documentation of Project Information provided to Interested DBEs:**
   - a. **Purpose:** To provide interested DBEs with adequate information about the plans, specifications, and any other contractual requirements in a timely manner to assist DBEs in response to solicitation.
   - b. **Action:** Provide DBEs access to plans, specifications, and other contract requirements. Early solicitation allows ample opportunity to provide project information, links to Let advertisements, and substantive engagement with DBEs.

4. **Documentation of Negotiation with Interested DBEs:**
   a. **Purpose:** To ensure that negotiations with interested DBEs were made in good faith providing evidence as to why agreements could not be reached for DBEs to perform work.

   b. **Action:** Provide sufficient evidence to demonstrate that good faith negotiations took place. Merely sending out solicitations requesting bids from DBEs does not constitute sufficient good faith efforts. A bidder using good business judgment considers a number of factors in negotiating with all subcontractors, and the firm's price and capabilities in addition to contract goals are taken into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for failing to meet the DBE goal as long as costs are reasonable. (see 49 CFR Part 26 Appendix A)

5. **Documentation of Sound Reason for Rejecting DBEs:**
   a. **Purpose:** To ensure that bidders avoid rejecting DBEs as unqualified without sound reasons. Reasons for rejection must be based on thorough investigation of DBE capabilities.

   b. **Action:** Provide sufficient evidence to demonstrate that DBE was rejected for sound reasons such as past performance, relevant business experience and stability, safety record, business ethic and integrity, technical capacity, other tangible factors.

6. **Documentation of Assistance to Interested DBEs - Bonding, Credit, Insurance, Equipment, Supplies/Materials:**
   a. **Purpose:** To assist interested DBEs in obtaining bonds, lines of credit, insurance, equipment, supplies, materials, and other assistance or services.

   b. **Action:** Assist interested DBEs in obtaining bonding, lines of credit or insurance, and provide technical assistance or information related to plans, specifications, and project requirements. Assist DBEs in obtaining equipment, supplies, materials or other services related to meeting project requirements (excluding supplies or equipment the DBE purchases from the prime).

7. **Documentation of outreach to Minority, Women, and Community Organizations and other DBE Business Development Support:**
   a. **Purpose:** To effectively use the services of minority, women, and community organizations as well as contractors' groups, local, state, and federal business assistance offices and organization that provide assistance in recruiting and supporting DBEs, as well as participation in activities that support DBE business development.

   b. **Action:** Contact organizations and agencies for assistance in contacting, recruiting, and providing support to DBE subcontractors, suppliers, manufacturers, and truckers at least 14 days before bid opening. Participate in or host activities such as networking events, mentor-protégé programs, small business development workshops, and others consistent with DBE support.

Return to:
Wisconsin Department of Transportation
DBE Program Office
PO Box 7965
Madison, WI 53707-7965
DBE_Alert@dot.wi.gov

I certify that I have utilized comprehensive good faith efforts to solicit and utilize DBE firms to meet the DBE participation requirements of this contract proposal, as demonstrated by my responses and as specified in Additional Special Provision 3 (ASP-3).

I certify that the information given in the Documentation of Good Faith Efforts is true and correct to the best of my knowledge and belief.

I further understand that any willful falsification, fraudulent statement, or misrepresentation will result in appropriate sanctions, which may involve debarment and/or prosecution under applicable state (Trans 504) and Federal laws.

(Bidder/Authorized Representative Signature)

(Print Name)

(Title)

Good Faith Effort -- Sample Documentation Logs

The sample logs below are provided as guides rather than exhaustive list. See ASP3, Appendix A for additional examples of demonstrable good faith efforts. Attach documentation for each activity listed.

Acceptable forms of documentation include copies of solicitations sent to DBEs, notes from substantive conversations and negotiations with DBEs, copies of advertisements placed, email communications, all quotes received from DBEs and from all subcontractors who were considered alongside DBE quotes, proof of attendance at applicable networking events; flyers for events or workshops for DBEs offered by the prime, and other physical records of good faith efforts activities.

SOLICITATION LOG

Date	Activity	Name of DBE Solicited	Follow-up
4/1/2020	Sent May Let solicitation	Winterland Electric	Spoke with Mark Winterland on 4/15/20 to ask if he would quote

SELECTED WORK ITEMS SOLICITED LOG

Work Type	DBE Firm	Contact Person	Date	Contact Mode
Pavement Marking	ABC Marking	Leslie Lynch	4/1/2020	Email; phone
	#1 Marking Co.	Mark Smart	4/1/2020	Email; left VM
Electrical	Winterland Electric	Tabitha Tinker	4/3/2020	Email, left VM
	Superstar Wiring	Jose Huascar	4/3/2020	Email; phone

INFORMATION PROVIDED LOG

Request Date	DBE Firm	Information Requested & Provided	Response Date
4/1/2020	Winterland Electric	Requested info on electrical requirements; provided plan and link to specs	4/3/2020
4/21/2020	Absolute Construction	Wanted to know how and when supplies are paid for by WisDOT; referred to spec that covers stockpiling	4/21/2020

NEGOTIATIONS LOG

Date	DBE Firm	Contact Name	Work Type	Quotes Rec'd?	Considered for project?	If not selected, why?
4/12/2020	ABC Landscape	John Dean	Erosion Control	Yes	No	Cannot perform all items
4/17/2020	Wild Ferns	Sandy Lynn	Erosion Control	Yes	Yes	
4/20/2020	#1 Marking	Mark Smart	Electrical	Yes	Yes	

ASSISTANCE LOG

Date	DBE Firm	Contact Person	Assistance Provided
4/1/2020	ABC Sawing	Jackie Swiggle	Informed DBE on how to obtain bonding
4/17/2020	Supreme Construction	Winston Walters	Provided contact for wholesale supply purchase

OUTREACH & BUSINESS DEVELOPMENT LOG

Date	Agency/Organization Contacted	Contact Person	Assistance Requested
4/1/2020	Women in Construction	LaTonya Klein	Contact information for woman-owned suppliers
4/28/2020	WBIC	Sam Smith	Asked for information to provide to DBE regarding financing programs through WBIC

Official Form DT1202 can be found here: https://wisconsindot.gov/pages/global-footer/formdocs/default.aspx

ADDITIONAL SPECIAL PROVISION 4

This special provision does not limit the right of the department, prime contractor, or subcontractors at any tier to withhold payment for work not acceptably completed or work subject to an unresolved contract dispute.

Payment to First-Tier Subcontractors

Within 10 calendar days of receiving a progress payment for work completed by a subcontractor, pay the subcontractor for that work. The prime contractor may withhold payment to a subcontractor if, within 10 calendar days of receipt of that progress payment, the prime contractor provides written notification to the subcontractor and the department documenting "just cause" for withholding payment.

The prime contractor is not allowed to withhold retainage from payments due subcontractors.

Payment to Lower-Tier Subcontractors

Ensure that subcontracting agreements at all tiers provide prompt payment rights to lower-tier subcontractors that parallel those granted first-tier subcontractors in this provision.

Acceptance and Final Payment

Within 30 calendar days of receiving the semi-final estimate from the department, submit written certification that subcontractors at all tiers are paid in full for acceptably completed work.

ADDITIONAL SPECIAL PROVISIONS 5
FUEL COST ADJUSTMENT

A Description

Fuel Cost Adjustments will be applied to partial and final payments for work items categorized in Section B as a payment to the contractor or a credit to the department. ASP-5 shall not apply to any force account work.

B Categories of Work Items

The following items and Fuel Usage Factors shall be used to determine Fuel Cost Adjustments:

(1) Earthwork.		Unit	Gal. Fuel Per Unit
205.0100	Excavation Common	CY	0.23
205.0200	Excavation Rock	CY	0.39
205.0400	Excavation Marsh	CY	0.29
208.0100	Borrow	CY	0.23
208.1100	Select Borrow	CY	0.23
209.1100	Backfill Granular Grade 1	CY	0.23
209.1500	Backfill Granular Grade 1	Ton	0.115
209.2100	Backfill Granular Grade 2	CY	0.23
209.2500	Backfill Granular Grade 2	Ton	0.115
350.0102	Subbase	CY	0.28
350.0104	Subbase	Ton	0.14
350.0115	Subbase 6-Inch	SY	0.05
350.0120	Subbase 7-Inch	SY	0.05
350.0125	Subbase 8-Inch	SY	0.06
350.0130	Subbase 9-Inch	SY	0.07
350.0135	Subbase 10-Inch	SY	0.08
350.0140	Subbase 11-Inch	SY	0.09
350.0145	Subbase 12-Inch	SY	0.09

C Fuel Index

A Current Fuel Index (CFI) in dollars per gallon will be established by the Department of Transportation for each month. The CFI will be the price of No. 2 fuel oil, as reported in U.S. Oil Week, using the first issue dated that month. The CFI will be the average of prices quoted for Green Bay, Madison, Milwaukee and Minneapolis.

The base Fuel Index (BFI) for this contract is $2.55 per gallon.

D Computing the Fuel Cost Adjustment

The engineer will compute the ratio CFI/BFI each month. If the ratio falls between 0.85 and 1.15, inclusive, no fuel adjustment will be made for that month. If the ratio is less than 0.85 a credit to the department will be computed. If the ratio is greater than 1.15 additional payment to the contractor will be computed. Credit or additional payment will be computed as follows:

(1) The engineer will estimate the quantity of work done in that month under each of the contract items categorized in Section B.

(2) The engineer will compute the gallons of fuel used in that month for each of the contract items categorized in Section B by applying the unit fuel usage factors shown in Section B.

(3) The engineer will summarize the total gallons (Q) of fuel used in that month for the items categorized in Section B.

(4) The engineer will determine the Fuel Cost Adjustment credit or payment from the following formula:

$$FA = \left(\frac{CFI}{BFI} - 1\right) x\ Q\ x\ BFI$$

(plus is payment to contractor; minus is credit to the department)

Where	FA	=	Fuel Cost Adjustment (plus or minus)
	CFI	=	Current Fuel Index
	BFI	=	Base Fuel Index
	Q	=	Monthly total gallons of fuel

E Payment

A Fuel Cost Adjustment credit to the department will be deducted as a dollar amount each month from any sums due to the contractor. A Fuel Cost Adjustment payment to the contractor will be made as a dollar amount each month.

Upon completion of the work under the contract, any difference between the estimated quantities and the final quantities will be determined. An average CFI, calculated by averaging the CFI for all months that fuel cost adjustment was applied, will be applied to the quantity differences. The average CFI shall be applied in accordance with the procedure set forth in Section D.

Additional Special Provision 6 (ASP-6)
Modifications to the standard specifications

Make the following revisions to the standard specifications:

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108 Prosecution and Progress

Add subsection 108.9.4.1 effective with the November 2023 letting:

108.9.4.1 Winter Suspension for Completion Date Contracts

(1) The contractor may request a winter suspension for a completion date contract. If the department determines weather conditions do not allow for the completion of the remaining work, the department may approve the contractor's request and determine the start date of the winter suspension. The end date of the winter suspension is March 31 or a date mutually agreed upon by both parties. For multi-year contracts, the department will only consider winter suspension for the final year of the contract.

(2) During winter suspension, store all materials in a manner that does not obstruct vehicular and pedestrian traffic and protect the materials from damage. Install traffic control and other safety devices necessary to protect the traveling public and pedestrians. Provide suitable drainage and install temporary erosion control where necessary. If the winter suspension begins when liquidated damages are being assessed, or when the work has not progressed as scheduled and would not have been completed prior to the completion date, the cost of necessary pre-suspension work is incidental. If the winter suspension begins prior to the contract completion date, and the work has progressed as scheduled and would have been completed prior to the completion date, the cost of pre-suspension work will be paid as specified under 109.4.

(3) For a winter suspension that begins prior to the contract completion date and the work has progressed as scheduled and would have been completed prior to the completion date, the engineer will extend contract time to correspond with the end of the winter suspension and liquidated damages will not be assessed during the winter suspension.

(4) For a winter suspension that begins when liquidated damages are being assessed or when the work has not progressed as scheduled and would not have been completed prior to the completion date, the engineer will not extend contract time. Time will be suspended until the end of the winter suspension. Liquidated damages will not be assessed during the winter suspension and liquidated damages will resume at the end of the winter suspension.

108.10.2 Excusable, Non-Compensable Delays

108.10.2.1 General

Replace entire section with the following effective with the January 2024 letting:

(1) Non-compensable delays, 108.10.2.1(3), are excusable delays not the contractor's or the department's fault. The engineer will not pay for the delay costs listed in 109.4.7 for non-compensable delays.

(2) For non-compensable delays under calendar day and completion date contracts, the engineer will extend contract time if the conditions specified in 108.10.1 are met. The department will relieve the contractor from associated liquidated damages, as specified in 108.11, if the engineer extends time under 108.10.1.

(3) The following are non-compensable delays:

1. Delays due to earthquakes, other cataclysmic phenomena of nature the contractor cannot foresee and avoid, severe weather or job conditions caused by recent weather as specified in 108.10.2.2.
2. Extraordinary delays in material deliveries the contractor or their suppliers cannot foresee and forestall resulting from strikes, lockouts, freight embargoes, industry-wide shortages, governmental acts, or sudden disasters.
3. Delays due to acts of the government, a political subdivision other than the department, or the public enemy.
4. Delays from fires or epidemics.
5. Delays from strikes beyond the contractor's power to settle not caused by improper acts or omissions of the contractor, their subcontractors, or their suppliers.
6. Altered quantities as specified in 109.3.

108.10.3 Excusable Compensable Delays

Replace entire section with the following effective with the January 2024 letting:

(1) Compensable delays are excusable delays due to the department's actions or lack of actions. The engineer will grant a time extension for a compensable delay if the conditions specified in 108.10.1 are met.

(2) The following are compensable delays:

1. A contract change for revised work as specified for extra work under 104.2.2.1, for a differing site condition under 104.2.2.2, or for significant changes in the character of the work under 104.2.2.4.
2. A contract change for an engineer-ordered suspension under 104.2.2.3.
3. The unexpected discovery of human remains, an archaeological find, or historical find consistent with 107.25.
4. The unexpected discovery of a hazardous substance consistent with 107.24.
5. The non-completion of work that utilities or other third parties perform, if that work is not completed as specified in the contract.

(3) For a compensable delay or a time extension, the department will relieve the contractor from associated liquidated damages under 108.11, and will pay the contractor for delay costs determined as follows:

1. Adjust the contract price as specified in 109.4.2 through 109.4.5 for delays under item 1 of 108.10.3(2).
2. Adjust the contract price as specified in 109.4.7 for delays under items 2 through 5 of 108.10.3(2).

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310 Open Graded Base

310.2 Materials

Replace paragraph two with the following effective with the November 2023 letting:

(2) The contractor may substitute material conforming to the gradation requirements for crushed aggregate specified in Table 310-01 if that material conforms to the fracture requirements for open-graded crushed gravel specified in 301.2.4.5.

TABLE 310-01 COARSE AGGREGATE (% passing by weight)

AASHTO No. 67[1]

SEIVE	COARSE AGGREGATE (% PASSING by WEIGHT) AASHTO No. 67
2-inch	-
1 1/2-inch	-
1-inch	100
3/4-inch	90 – 100
1/2-inch	-
3/8-inch	20 – 55
No. 4	0 – 10
No. 8	0 – 5
No. 16	-
No. 30	-
No. 50	-
No. 100	-
No. 200	<=1.5

[1] Size according to AASHTO M43.

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390 Base Patching

390.4 Measurement

Replace entire section with the following effective with the November 2023 letting:

(1) The department will measure Removing Pavement for Base Patching by the cubic yard acceptably completed. Measure the depth from the bottom of the adjacent pavement to the top of the patch.

(2) The department will measure Base Patching Asphaltic by the ton acceptably completed as specified for asphaltic pavement in 450.4.

(3) The department will measure Base Patching Concrete HES and Base Patching Concrete SHES by the cubic yard acceptably completed. Measure the depth from the bottom of the adjacent pavement to the top of the patch.

390.5 Payment

Replace entire section with the following effective with the November 2023 letting:

(1) The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
390.0100	Removing Pavement for Base Patching	CY
390.0201	Base Patching Asphaltic	TON
390.0305	Base Patching Concrete HES	CY
390.0405	Base Patching Concrete SHES	CY

(2) Payment for Removing Pavement for Base Patching is full compensation for removing old pavement; for preparing the foundation and bringing up to grade. If the engineer orders the contractor to excavate yielding or unstable subgrade materials and backfill with suitable materials, the department will pay for that work with contract bid items or as agreed upon using 109.4.

(3) Payment for Base Patching Asphaltic is full compensation for providing and compacting asphaltic mixture including asphaltic binder.

(4) Payment for Base Patching Concrete HES and Base Patching Concrete SHES is full compensation for providing, curing, and protecting concrete. Payment also includes providing tie bars and dowel bars in unhardened concrete and steel within the patch. For tie bars and dowel bars provided in concrete not placed under the contract, the department will pay separately under the Drilled Tie Bars and Drilled Dowel Bars bid items as specified in 416.5.

(5) Payment for Base Patching SHES also includes providing test data to the engineer as specified in 416.2.4.

(6) The department will pay for sawing existing concrete pavement for removal under the Sawing Concrete bid item as specified in 690.5.

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460 Hot Mix Asphalt Pavement

460.2.8.2.1.3.1 Contracts with 5000 Tons of Mixture or Greater

Replace paragraph four with the following effective with the November 2023 letting:

(4) Use the test methods identified below, or other methods the engineer approves, to perform the following tests at the frequency indicated:

Blended aggregate gradations:

Drum plants:

- Field extraction by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to WTM D8159. Gradation of resulting aggregate sample determined according to WTM T30.
- Belt samples, optional for virgin mixtures, obtained from stopped belt or from the belt discharge using an engineer-approved sampling device and performed according to WTM T11 and T27.

Batch plants:

- Field extraction by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to WTM D8159. Gradation of resulting aggregate sample determined according to WTM T30.

Asphalt content (AC) in percent:

Determine AC using one of the following methods:

- AC by ignition oven according to WTM T308.
- AC by chemical extraction according to AASHTO T-164 method A or B.
- AC by automated extraction according to WTM D8159.
- If the department is using an ignition oven to determine AC, conform to WTP H003.
- If the department is not using an ignition oven to determine AC, ignition oven correction factor (IOCF) must still be reverified for any of the reasons listed in WTP H003 Table 2 and conform to WTP H-003 sections 3 through 6.
- Gradation of resulting aggregate sample determined according to WTM T30.

Bulk specific gravity of the compacted mixture:

According to WTM T166.

Theoretical maximum specific gravity:

According to WTM T209.

Air voids (Va) by calculation according to WTM T269.

VMA by calculation according to WTM R35.

460.2.8.3.1.4 Department Verification Testing Requirements

Replace paragraph three with the following effective with the November 2023 letting:

(3) The department will perform testing conforming to the following standards:

Bulk specific gravity (G_{mb}) of the compacted mixture according to WTM T166.

Maximum specific gravity (Gmm) according to WTM T209.

Air voids (Va) by calculation according to WTM T269.

VMA by calculation according to WTM R35.

Asphalt content by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B, or automated extraction according to WTM D8159. If using an ignition oven to determine AC, conform to WTP H-003.

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503 Prestressed Concrete Members

503.2.2 Concrete

Replace paragraph five with the following effective with the November 2023 letting:

(5) Furnish prestressed concrete members cast from air-entrained concrete, except I-type girders may use non-air-entrained concrete. Use type I, IL, IS, IP, IT, II, or III cement. The contractor may replace up to 30 percent of type I, IL, II, or III cement with an equal weight of fly ash, slag, or a combination of fly ash and slag. Ensure that fly ash conforms to 501.2.4.2.2 and slag conforms to 501.2.4.2.3. Use only one source and replacement rate for work under a single bid item. Use a department-approved air-entraining admixture conforming to 501.2.5.2 for air-entrained concrete. Use only coarse aggregate conforming to 310.2(2).

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604 Slope Paving

604.2 Materials

Replace paragraph three with the following effective with the November 2023 letting:

(3) Under the Slope Paving Crushed Aggregate bid item, furnish crushed stone or crushed gravel conforming to the gradation in Table 604-01, but with the additional requirements that at least 75 percent of the particles, by count, have at least one fractured face. Determine fracture according to WTM D5821.

TABLE 604-01 COARSE AGGREGATE (% passing by weight)

AASHTO No. 4[1]

SEIVE	COARSE AGGREGATE (% PASSING by WEIGHT) AASHTO No. 4
2-inch	100
1 1/2-inch	90 - 100
1-inch	20 - 55
3/4-inch	0 - 15
1/2-inch	-
3/8-inch	0 - 5
No. 4	-
No. 8	-
No. 16	-
No. 30	-
No. 50	-
No. 100	-
No. 200	<=1.5

[1] Size according to AASHTO M43.

612 Underdrains

612.3.9 Trench Underdrains

Replace paragraph one with the following effective with the November 2023 letting:

(1) Under the Underdrain Trench bid item, excavate and backfill underdrain trenches. Backfill with coarse aggregate gradation conforming to 604.2(3). Before backfilling place geotextile as the plans show.

614 Semi-rigid Barrier Systems and End Treatments

614.2.6 Sand Barrel Arrays

Replace paragraph one with the following effective with the November 2023 letting:

(1) Furnish sand barrels from the APL. Use fine aggregate conforming to gradation shown in Table 614-2 mixed with sodium chloride conforming to AASHTO M143. Apply an object marker to front-most barrel in the array.

TABLE 614-2 FINE AGGREGATE GRADATION

SEIVE	FINE AGGREGATE (% PASSING by WEIGHT)
3/8-inch	100
No. 4	90 - 100
No. 8	-
No. 16	45 - 85
No. 30	-
No. 50	5 - 30
No. 100	0 - 10
No. 200	<=3.5

628 Erosion Control

628.2.13 Rock Bags

Replace paragraph two with the following effective with the November 2023 letting:

(2) Fill the bags with a clean, sound, hard, durable, engineer-approved coarse aggregate conforming by visual inspection to the gradation specified for coarse aggregate gradation in 604.2(3).

639 Drilling Wells

639.2.1 General

Replace paragraph two with the following effective with the November 2023 letting:

(2) For grout use fine aggregate conforming to 501.2.7.2; and gradation conforming to 614.2.6(1); and type I, IL, IS, IP, or IT cement.

652 Electrical Conduit

652.3.1.2 Installing Underground

Replace paragraph two with the following effective with the November 2023 letting:

(2) Excavate trenches true to line and grade to provide the conduit uniform bearing throughout its length. Do not backfill the trench before inspecting the conduit. Carefully tamp the backfill in place as specified for placing backfill in layers in 651.3. Place at least 0.7 cubic feet of coarse aggregate gradation conforming to 604.2(3) directly under each drainage hole.

ERRATA

390.3.4 Special High Early Strength Concrete Patching

Correct errata link in paragraph (1) by changing from 416.3.8 to 416.3.7.

(1) Construct as specified for special high early strength repairs under 416.3.7 except as follows:

- The contractor may delay removal for up to 14 calendar days after cutting the existing pavement.
- Open to traffic as specified for concrete base in 320.3.

ADDITIONAL SPECIAL PROVISION 7

A. Reporting 1st Tier and DBE Payments During Construction

1. Comply with reporting requirements specified in the department's Civil Rights Compliance, Contractor's User Manual, Sublets and Payments.
2. Report payments to all DBE firms within 10 calendar days of receipt of a progress payment by the department or a contractor for work performed, materials furnished, or materials stockpiled by a DBE firm. Report the payment as specified in A(1) for all work satisfactorily performed and for all materials furnished or stockpiled.
3. Report payments to all first tier subcontractor relationships within 10 calendar days of receipt of a progress payment by the department for work performed. Report the payment as specified in A(1) for all work satisfactorily performed.
4. All tiers shall report payments as necessary to comply with the DBE payment requirement as specified in A(2).
5. DBE firms must enter all payments to DBE and non-DBE firms regardless of tier.
6. Require all first tier relationships, DBE firms and all other tier relationships necessary to comply with the DBE payment requirement in receipt of a progress payment by contractor to acknowledge receipt of payment as specified in A(1), (2), (3) and (4).
7. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4), (5), and (6), and shall be binding on all first tier subcontractor relationships, all contractors and subcontractors utilizing DBE firms on the project, and all payments from DBE firms.

B. Costs for conforming to this special provision are incidental to the contract.

NOTE: CRCS Prime Contractor payment is currently not automated and will need to be manually loaded into the Civil Rights Compliance System. Copies of prime contractor payments received (check or ACH) will have to be forwarded to paul.ndon@dot.wi.gov within 5 days of payment receipt to be logged manually.

***Additionally, for information on Subcontractor Sublet assignments, Subcontractor Payments and Payment Tracking, please refer to the CRCS Payment and Sublets manual at:

https://wisconsindot.gov/Documents/doing-bus/civil-rights/labornwage/crcs-payments-sublets-manual.pdf

ADDITIONAL SPECIAL PROVISION 9

Electronic Certified Payroll or Labor Data Submittal

(1) Use the department's Civil Rights Compliance System (CRCS) to electronically submit certified payroll reports for contracts with federal funds and labor data for contracts with state funds only. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at:

https://wisconsindot.gov/Pages/doing-bus/civil-rights/labornwage/default.aspx

(2) Ensure that all tiers of subcontractors, including all trucking firms, either submit their weekly certified payroll reports (contracts with federal funds) or labor data (contracts with state funds only) electronically through CRCS. These payrolls or labor data are due within seven calendar days following the close of the payroll period. Every firm providing physical labor towards completing the project is a subcontractor under this special provision.

(3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin their submittals. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Paul Ndon at (414) 438-4584 to schedule the training.

(4) The department will reject all paper submittals for information required under this special provision. All costs for conforming to this special provision are incidental to the contract.

(5) Firms wishing to export payroll/labor data from their computer system into CRCS should have their payroll coordinator contact Paul Ndon at paul.ndon@dot.wi.gov. Not every contractor's payroll system is capable of producing export files. For details, see Section 4.8 CPR Auto Submit (Data Mapping) on pages 49-50; 66-71 of the CRCS Payroll Manual at:

https://wisconsindot.gov/Documents/doing-bus/civil-rights/labornwage/crcs-payroll-manual.pdf

REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. Non-segregated Facilities
IV. Davis-Bacon and Related Act Provisions
V. Contract Work Hours and Safety Standards Act Provisions
VI. Subletting or Assigning the Contract
VII. Safety: Accident Prevention
VIII. False Statements Concerning Highway Projects
IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
XI. Certification Regarding Use of Contract Funds for Lobbying
XII. Use of United States-Flag Vessels:

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding $10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (*see* 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

> "It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurances Required:

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:
(1) Withholding monthly progress payments;
(2) Assessing sanctions;
(3) Liquidated damages; and/or
(4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than $10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 “Contract provisions and related matters” with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act (40 U.S.C. 3141(2)(B)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided,* That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH–1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in 29 CFR part 1, a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to *DBAconformance@dol.gov*. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to *DBAconformance@dol.gov*, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.* Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided,* That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph

2.a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements* (1) *Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements* (1) *Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (*e.g.,* the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH–347 or in any other format desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division website at *https://www.dol.gov/sites/dolgov/files/WHD/legacy/files/wh347/.pdf* or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR part 3; and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH–347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 3729.

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under 29 CFR part 6 any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices* (1) *Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeyworkers under this part must be in conformity with

the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, 18 U.S.C. 1001.

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or 29 CFR part 1 or 3; or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or 29 CFR part 1 or 3.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* $31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term “perform work with its own organization” in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of $150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1**. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

* * * * *

3. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily

excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, ‘on-board’ commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B) This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

NON-DISCRIMINATION PROVISIONS

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. Compliance with Regulations: The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. Non-discrimination: The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

4. Information and Reports: The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance: In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

a. Withholding payments to the contractor under the contract until the contractor complies; and/or
b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. Incorporation of Provisions: The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)

1. The Offeror's or Bidder's attention is called to the "Employment Practices" and "Equal Opportunity Clause" set forth in the Required Contract Provisions, FHWA 1273.
2. The goals and timetables for minority and female participation expressed in percentage terms for the contractor's aggregate work force in each trade, on all construction work in the covered area, are as follows:

Goals for Minority Participation for Each Trade:

County	%	County	%	County	%
Adams	1.7	Iowa	1.7	Polk	2.2
Ashland	1.2	Iron	1.2	Portage	0.6
Barron	0.6	Jackson	0.6	Price	0.6
Bayfield	1.2	Jefferson	7.0	Racine	8.4
Brown	1.3	Juneau	0.6	Richland	1.7
Buffalo	0.6	Kenosha	3.0	Rock	3.1
Burnett	2.2	Kewaunee	1.0	Rusk	0.6
Calumet	0.9	La Crosse	0.9	St. Croix	2.9
Chippewa	0.5	Lafayette	0.5	Sauk	1.7
Clark	0.6	Langlade	0.6	Sawyer	0.6
Columbia	1.7	Lincoln	0.6	Shawano	1.0
Crawford	0.5	Manitowoc	1.0	Sheboygan	7.0
Dane	2.2	Marathon	0.6	Taylor	0.6
Dodge	7.0	Marinette	1.0	Trempealeau	0.6
Door	1.0	Marquette	1.7	Vernon	0.6
Douglas	1.0	Menominee	1.0	Vilas	0.6
Dunn	0.6	Milwaukee	8.0	Walworth	7.0
Eau Claire	0.5	Monroe	0.6	Washburn	0.6
Florence	1.0	Oconto	1.0	Washington	8.0
Fond du Lac	1.0	Oneida	0.6	Waukesha	8.0
Forest	1.0	Outagamie	0.9	Waupaca	1.0
Grant	0.5	Ozaukee	8.0	Waushara	1.0
Green	1.7	Pepin	0.6	Winnebago	0.9
Green Lake	1.0	Pierce	2.2	Wood	0.6

Goals for female participation for each trade: 6.9%

These goals are applicable to all the contractor's construction work, (whether or not it is federal or federally assisted), performed in the covered area. If the contractor performs construction work in the geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The contractor's compliance with the Executive Order and the Regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project for the sole purpose of meeting the contractor's goals shall be a violation of the contract, the Executive Order and the Regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of $10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor, employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

   As referred to in this section, the Director means:

   Director
   Office of Federal Contract Compliance Programs
   Ruess Federal Plaza
   310 W. Wisconsin Ave., Suite 1115
   Milwaukee, WI 53202

   The "Employer Identification Number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.

4. As used in this notice, and in the contract resulting from solicitation, the "covered area" is the county(ies) in Wisconsin to which this proposal applies.

ADDITIONAL FEDERAL-AID PROVISIONS

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidding collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

BUY AMERICA PROVISION

Buy America (as documented in 88 FR 57750 (2 CFR part 184 and 200) from the Office of Management and Budget: Federal Register: Guidance for Grants and Agreements) shall be domestic products and permanently incorporated in this project as classified in the following three categories, and as noted in the Construction and Materials Manual (CMM):

1. Iron and Steel

   All iron and steel manufacturing and coating processes (from the initial melting stage through the application of coatings) must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America.

   The exemption of the iron and steel manufacturing and coating processes Buy America requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or $2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project.

2. Manufactured Product

   All manufactured products (as defined in CMM 228.5) are covered under a previous waiver from 1983 and are currently exempt from Buy America.

3. Construction Material

   All construction materials (as defined in 88 FR 57750 (2 CFR part 184 and 200) and as referenced in CMM 228.5) must comply with Buy America. All manufacturing process of construction materials must occur in the United States.

88 FR 55817 (DOT-OST-2022-0124) allows a limited waiver of Buy America requirements for de minimis costs and small grants.

- The Total value of the non-compliant products is no more than the lesser of $1,000,000 or 5% of total applicable costs for the project[1]; or
- The total amount of Federal financial assistance applied to the project, through awards or subaward, is below $500,000[2]

The contractor shall take actions and provide documentation conforming to CMM 228.5 to ensure compliance with this Buy America provision.

https://wisconsindot.gov/rdwy/cmm/cm-02-28.pdf

Upon completion of the project, certify to the engineer, in writing using department form DT4567 that all iron and steel, manufactured products, and construction materials conform to this Buy America provision.

Form DT4567 is available at: https://wisconsindot.gov/Documents/formdocs/dt4567.docx

Attach a list of iron or steel and construction material exemptions and their associated costs to the certification form.

1 The de minimis public interest waiver does not apply to iron and steel subject to the requirements of 23 U.S.C. 313 on financial assistant administered by FHWA. The de minimis threshold in 23 CFR 635.410(b)(4) continues to apply for iron and steel.
2 The small grant portion of the waiver does not apply to iron, steel, and manufactured goods subject to the requirements of 49 U.S.C. 22905(a).

CARGO PREFERENCE ACT REQUIREMENT

All Federal-aid projects shall comply with 46 CFR 381.7 (a) – (b) as follows:

(a) *Agreement Clauses.* "Use of United States-flag vessels:"

(1) Pursuant to Pub. L. 664 (43 U.S.C. 1241(b)) at least 50 percent of any equipment, materials or commodities procured, contracted for or otherwise obtained with funds granted, guaranteed, loaned, or advanced by the U.S. Government under this agreement, and which may be transported by ocean vessel, shall be transported on privately owned United States-flag commercial vessels, if available.

(2) Within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (a)(1) of this section shall be furnished to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590."

(b) *Contractor and Subcontractor Clauses.* "Use of United States-flag vessels: The contractor agrees—"

(1) To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

(2) To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b) (1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

(3) To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

WISCONSIN DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION AND SYSTEM DEVELOPMENT

SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS FOR PROJECTS WITH FEDERAL AID

I. PREVAILING WAGE RATES

The attached U.S. Department of Labor (Davis-Bacon Minimum Wage Rates) furnishes the minimum prevailing wage rates pursuant to the Davis-Bacon and Related Acts. The wage rates shown are the minimum rates required by the contract to be paid during its life, however this is not a representation that labor can be obtained at these rates. Itis the responsibility of bidders to inform themselves as to the local labor conditions and prospective changes or adjustments of wage rates. No increase in the contract price will be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

II. COVERAGE OF TRUCK DRIVERS

Truck drivers are covered by Davis-Bacon Minimum Wage Rates in the following circumstances:

- Drivers of a contractor or subcontractor for time spent working on the site of the work.
- Drivers of a contractor or subcontractor for time spent loading and/or unloading materials and supplies on the site of the work, if such time is not de minimis. https://www.dol.gov/whd/FOH/FOH_Ch15.pdf
- Truck drivers transporting materials or supplies between a facility that is deemed part of the site of the work and the actual construction site.
- Truck drivers transporting portions of the building or work between a site established specifically for the performance of the contract where a significant portion of such building or work is constructed and the physical place where the building or work called for in the contract will remain.

Truck drivers are not covered by Davis-Bacon Minimum Wage Rates in the following circumstances:

- Material delivery truck drivers while off the site of the work.
- Drivers of a contractor or subcontractor traveling between a Davis-Bacon job and a commercial supply facility while they are off the site of the work."
- Truck drivers whose time spent on the site of the work is de minimis, such as only a few minutes at a time merely to pick up or drop off materials or supplies.

Details are available online at:

https://www.dol.gov/whd/recovery/pwrb/Tab9.pdf

https://wisconsindot.gov/Pages/doing-bus/civil-rights/labornwage/trckng.aspx

III. POSTINGS AT THE SITE OF THE WORK

In addition to the required postings furnished by the department, the contractor shall post the following in at least one conspicuous and accessible place at the site of work:

a. A copy of the contractor's Equal Employment Opportunity Policy.

All required documents shall be posted by the first day of work and be accurate and complete. Postings must be readable, in an area where they will be noticed, and maintained until the last day of work.

IV. RESOURCES

Required information regarding compliance with federal provisions is found in the following resources:

- FHWA-1273 included in this contract
- U.S. Department of Labor Prevailing Wage Resource Book
- U.S. Department of Labor Field Operations Handbook
- U.S. Code of Federal Regulations
- Any applicable law, Act, or Executive Order enacted by the federal government at the time of the letting of this contract

"General Decision Number: WI20230010 12/22/2023

Superseded General Decision Number: WI20220010

State: Wisconsin

Construction Type: Highway

Counties: Wisconsin Statewide.

HIGHWAY, AIRPORT RUNWAY & TAXIWAY CONSTRUCTION PROJECTS (does not include bridges over navigable waters; tunnels; buildings in highway rest areas; and railroad construction)

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2023

1	01/13/2023
2	01/20/2023
3	03/31/2023
4	04/07/2023
5	05/26/2023
6	06/02/2023
7	06/16/2023
8	06/23/2023
9	07/07/2023
10	07/14/2023
11	07/28/2023
12	08/18/2023
13	09/01/2023
14	09/08/2023
15	10/13/2023
16	12/15/2023
17	12/22/2023

BRWI0001-002 06/01/2023

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.18	25.88

BRWI0002-002 06/01/2023

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER	$ 47.10	25.16

BRWI0002-005 06/01/2023

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 39.97	25.02

BRWI0003-002 06/01/2023

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.00	26.06

BRWI0004-002 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes

BRICKLAYER.....$ 44.50 26.96

BRWI0006-002 06/01/2023

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	$ 40.08	25.98

BRWI0007-002 06/01/2023

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	$ 40.95	26.80

BRWI0008-002 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	$ 44.96	25.67

BRWI0011-002 06/01/2023

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	$ 40.00	26.06

BRWI0019-002 06/01/2023

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	$ 39.32	26.74

BRWI0034-002 06/01/2023

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	$ 41.56	26.19

CARP0068-011 05/02/2022

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

	Rates	Fringes
Carpenter & Piledrivermen.....	$ 41.19	27.05

CARP0264-003 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER	$ 41.91	29.72

CARP0310-002 06/05/2023

Ashland, Bayfield, Forest, Iron, Langlade, Lincoln, Marathon, Oneida, Shawano, Taylor and Vilas

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0314-001 06/05/2023

Columbia, Dane, Dodge, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk and Walworth

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER	$ 36.15	20.43

CARP0731-002 06/05/2023

Calumet (Eastern portion of the County), Fond Du Lac, Manitowoc and Sheboygan

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0804-001 06/05/2023

Adams, Juneau, Portage and Wood

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0955-002 06/05/2023

Calumet (western portion of County), Fond Du Lac, Green Lake, Marquette, Outagamie and Winnebago

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1056-002 06/01/2023

	Rates	Fringes
MILLWRIGHT	$ 40.00	27.77

CARP1074-002 06/05/2023

Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pepin, Pierce, Polk, Rusk, Sawyer, St. Croix and Washburn

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1143-002 06/05/2023

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPEALEAU AND VERNON COUNTIES

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1146-002 06/05/2023

Brown, Door, Florence, Kewaunee, Marinette, Menominee and Shawano

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP2337-009 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
PILEDRIVERMAN	$ 39.22	34.01

ELEC0014-002 12/25/2022

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Maryville, Colby, Unity, Sherman, Fremont, Lynn & Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST CROIX, SAWYER, TAYLOR, TREMPEALEAU, VERNON, AND WASHBURN COUNTIES

	Rates	Fringes
Electricians:	$ 39.25	22.34

ELEC0014-007 05/29/2022

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician	$ 29.63	3%+16.18

Low voltage construction, installation, maintenance and removal of teledata facilities (voice, data, and video) including outside plant, telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated systems digital network).

ELEC0127-002 06/01/2023

KENOSHA COUNTY

	Rates	Fringes
Electricians:	$ 46.05	30%+13.15

ELEC0158-002 05/30/2021

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE(Wausuakee and area South thereof), OCONTO, MENOMINEE (East of a ine 6 miles West of the West boundary of Oconto County), SHAWANO (Except Area North of Townships of Aniwa and Hutchins) COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 36.14	29.75%+10.26

ELEC0159-003 05/30/2021

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and Emmet Townships), GREEN, LAKE (except Townships of Berlin, Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 43.38	23.13

ELEC0219-004 06/01/2019

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern, Florence and Homestead) AND MARINETTE COUNTY (Township of Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over $180,000	$ 33.94	21.80

	Rates	Fringes
Electrical contracts under $180,000	$ 31.75	21.73

ELEC0242-005 05/30/2021

DOUGLAS COUNTY

	Rates	Fringes
Electricians:	$ 41.37	69.25%

ELEC0388-002 06/01/2023

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:	$ 38.74	26%+11.76

ELEC0430-002 06/01/2023

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:	$ 46.70	25.02

* ELEC0494-005 05/28/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:	$ 47.75	26.72

ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:	$ 37.91	22.74

* ELEC0494-013 05/28/2023

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupuin), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer	$ 34.65	18.36
Technician	$ 34.65	18.36

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillion, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

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ELEC0577-003 06/01/2022

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:	$ 37.41	29.50%+10.00

ELEC0890-003 06/01/2022

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:	$ 40.70	25.95%+11.26

ELEC0953-001 06/02/2019

	Rates	Fringes
Line Construction:		
(1) Lineman	$ 47.53	21.43
(2) Heavy Equipment Operator	$ 42.78	19.80
(3) Equipment Operator	$ 38.02	18.40
(4) Heavy Groundman Driver	$ 33.27	16.88
(5) Light Groundman Driver	$ 30.89	16.11
(6) Groundsman	$ 26.14	14.60

ENGI0139-005 06/01/2023

	Rates	Fringes
Power Equipment Operator		
Group 1	$ 43.77	27.40
Group 2	$ 43.27	27.40
Group 3	$ 42.77	27.40
Group 4	$ 42.51	27.40

Group 5.....$ 42.22 27.40
Group 6.....$ 36.32 27.40

HAZARDOUS WASTE PREMIUMS:
EPA Level ""A"" protection - $3.00 per hour
EPA Level ""B"" protection - $2.00 per hour
EPA Level ""C"" protection - $1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs; pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminious paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self- propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender, day light machine

GROUP 6: Off-road material hauler with or without ejector.

IRON0008-002 06/01/2023

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER	$ 43.40	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER	$ 41.73	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2023

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER	$ 41.00	30.13

IRON0498-005 06/01/2023

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER	$ 45.18	47.08

IRON0512-008 04/30/2023

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPEALEAU COUNTIES

	Rates	Fringes

IRONWORKER.....$ 43.00 34.11

IRON0512-021 04/30/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER	$ 39.14	34.00

LABO0113-002 06/01/2023

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 33.56	23.86
Group 2	$ 33.71	23.86
Group 3	$ 33.91	23.86
Group 4	$ 34.06	23.86
Group 5	$ 34.21	23.86
Group 6	$ 30.05	23.86

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LABO0113-003 06/01/2023

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 32.81	23.86
Group 2	$ 32.91	23.86
Group 3	$ 32.96	23.86
Group 4	$ 33.16	23.86
Group 5	$ 33.01	23.86
Group 6	$ 29.90	23.86

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

LABO0113-011 06/01/2023

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 32.62	23.86
Group 2	$ 32.77	23.86
Group 3	$ 32.97	23.86
Group 4	$ 32.94	23.86
Group 5	$ 33.27	23.86
Group 6	$ 29.76	23.86

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

LABO0140-002 06/01/2023

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPEALEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 37.57	19.25
Group 2	$ 37.67	19.25
Group 3	$ 37.72	19.25
Group 4	$ 37.92	19.25
Group 5	$ 37.77	19.25
Group 6	$ 34.20	19.25

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bitminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Secialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LABO0464-003 06/01/2023

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1	$ 37.85	19.25
Group 2	$ 37.95	19.25
Group 3	$ 38.00	19.25
Group 4	$ 38.20	19.25
Group 5	$ 38.05	19.25
Group 6	$ 34.20	19.25

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and

Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminious Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

PAIN0106-008 05/01/2023

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller	$ 34.59	24.84
Spray, Sandblast, Steel	$ 35.19	24.84
Repaint:		
Brush, Roller	$ 33.09	24.84
Spray, Sandblast, Steel	$ 33.69	24.84

PAIN0108-002 06/01/2023

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller	$ 41.04	21.95
Spray & Sandblast	$ 42.04	21.95

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, SAWYER, ST. CROIX, AND WASHBURN COUNTIES

	Rates	Fringes
PAINTER	$ 24.11	12.15

PAIN0259-004 05/01/2015

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
PAINTER	$ 22.03	12.45

PAIN0781-002 06/01/2023

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge	$ 39.84	24.86
Brush	$ 39.09	24.86
Spray & Sandblast	$ 39.84	24.86

PAIN0802-002 06/01/2023

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND, ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush	$ 35.00	20.62

PREMIUM PAY:
Structural Steel, Spray, Bridges = $1.00 additional per hour.

PAIN0802-003 06/01/2023

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER	$ 35.00	20.62

PAIN0934-001 06/01/2022

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush	$ 36.70	24.69
Spray	$ 37.70	24.69
Structural Steel	$ 36.85	24.69

PAIN1011-002 06/06/2021

FLORENCE COUNTY

	Rates	Fringes
Painters:	$ 26.71	14.38

PLAS0599-002 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area A	$ 45.17	27.27

Area B	$ 39.97	25.02
Area C	$ 40.40	25.25
Area D	$ 41.16	24.49
Area E	$ 40.50	25.14
Area F	$ 36.98	28.67

AREA DESCRIPTIONS

AREA A: ASHLAND, BURNETT, BAYFIELD, DOUGLAS, IRON, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA B: ADAMS, BARRON, BROWN, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST. CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA C: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE, MONROE, PEPIN, PIERCE, RICHLAND, TREMPEALEAU, AND VERNON COUNTIES

AREA D: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA E: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA F: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2023

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles	$ 35.57	26.09
3 or more Axles; Euclids, Dumptor & Articulated, Truck Mechanic	$ 35.72	26.09

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010

08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.

Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

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NOTICE TO BIDDERS
WAGE RATE DECISION

The wage rate decision of the Department of Labor which has been incorporated in these advertised specifications is incomplete in that the classifications may be omitted from the Department of Labor's decision.

Since the bidder is responsible, independently, for ascertaining area practice with respect to the necessity, or lack of necessity, for the use of these classifications in the prosecution of the work contemplated by this project, no inference may be drawn from the omission of these classifications concerning prevailing area practices relative to their use. Further, this omission will not, per se, be construed as establishing any governmental liability for increased labor cost if it is subsequently determined that such classifications are required.

There may be omissions and/or errors in the federal wage rates. The bidder is responsible for evaluating and determining the correct applicable rate.

If a project includes multiple types of construction (highway, bridge over navigable water, sanitary sewer and water main, building) and there is not a separate wage determination for this type of work included in the proposal, use the wage determination that is in the proposal.

If a project includes multiple types of construction, different wage rate determinations may be inserted into the contract (WI10/Highway = in all WisDOT highway contracts, WI15/Heavy = bridge over navigable water per USDOL and US Coast Guard designation, WI8/Heavy (Sewer & Water Line & Tunnel) = sanitary sewer and water main if the cost is more than 20% of the contract and/or at least $1,000,000, and Building). If multiple wage rate determinations are inserted into the contract, use the classification in the wage determination for the work being done. Use WI15 wage rates when working on the bridge and/or structure from bank to bank. Use WI8 wage rates when working on any sanitary sewer or water main work. Use Building wage rates for all work done within the footprint of the building. Use WI10 wage rates for all other highway work in the contract and approaches to structures. For example, if a laborer is working within the footprint of a building, use the Laborer rate in the Building wage determination inserted in the contract. If a laborer is working on a bridge/structure within the banks, use the Laborer rate in the WI15/Heavy wage determination if inserted in the contract. If the laborer is working on the highway, use the Laborer rate in the WI10/Highway wage determination.

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0205 Grubbing	53.000 STA	_____.____	_____.____
0004	203.0220 Removing Structure (structure) 0801. B-44-177	1.000 EACH	_____.____	_____.____
0006	203.0220 Removing Structure (structure) 0802. B-44-178	1.000 EACH	_____.____	_____.____
0008	203.0220 Removing Structure (structure) 0803. B-44-024	1.000 EACH	_____.____	_____.____
0010	204.0100 Removing Concrete Pavement	34,100.000 SY	_____.____	_____.____
0012	204.0155 Removing Concrete Sidewalk	65.000 SY	_____.____	_____.____
0014	204.0157 Removing Concrete Barrier	1,614.000 LF	_____.____	_____.____
0016	204.0165 Removing Guardrail	4,030.000 LF	_____.____	_____.____
0018	204.0170 Removing Fence	690.000 LF	_____.____	_____.____
0020	204.0190 Removing Surface Drains	6.000 EACH	_____.____	_____.____
0022	204.0195 Removing Concrete Bases	24.000 EACH	_____.____	_____.____
0024	204.0210 Removing Manholes	1.000 EACH	_____.____	_____.____
0026	204.0220 Removing Inlets	29.000 EACH	_____.____	_____.____
0028	204.0245 Removing Storm Sewer (size) 0001. 12-Inch	575.000 LF	_____.____	_____.____
0030	204.0245 Removing Storm Sewer (size) 0002. 18-Inch	997.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	204.0245 Removing Storm Sewer (size) 0003. 24-Inch	462.000 LF	_____.____	_____.____
0034	204.0245 Removing Storm Sewer (size) 0004. 30-Inch	184.000 LF	_____.____	_____.____
0036	204.0245 Removing Storm Sewer (size) 0005. 36-Inch	1,083.000 LF	_____.____	_____.____
0038	204.0245 Removing Storm Sewer (size) 0006. 36-Inch	69.000 LF	_____.____	_____.____
0040	204.0265 Abandoning Wells	7.000 EACH	_____.____	_____.____
0042	204.9060.S Removing (item description) 0103. Removing Apron Endwalls	40.000 EACH	_____.____	_____.____
0044	204.9060.S Removing (item description) 0701. Communications Vault	3.000 EACH	_____.____	_____.____
0046	205.0100 Excavation Common	289,324.000 CY	_____.____	_____.____
0048	205.0400 Excavation Marsh	8,793.000 CY	_____.____	_____.____
0050	206.1001 Excavation for Structures Bridges (structure) 0801. B-44-315	1.000 EACH	_____.____	_____.____
0052	206.1001 Excavation for Structures Bridges (structure) 0802. B-44-316	1.000 EACH	_____.____	_____.____
0054	206.1001 Excavation for Structures Bridges (structure) 0803. B-44-317	1.000 EACH	_____.____	_____.____
0056	209.0200.S Backfill Controlled Low Strength	13.000 CY	_____.____	_____.____
0058	209.2100 Backfill Granular Grade 2	950.000 CY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	210.1500 Backfill Structure Type A	4,286.000 TON	_____.____	_____.____
0062	213.0100 Finishing Roadway (project) 0001. 1130-64-76	1.000 EACH	_____.____	_____.____
0064	213.0100 Finishing Roadway (project) 0002. 1130-64-81	1.000 EACH	_____.____	_____.____
0066	214.0100 Obliterating Old Road	9.000 STA	_____.____	_____.____
0068	305.0110 Base Aggregate Dense 3/4-Inch	626.000 TON	_____.____	_____.____
0070	305.0120 Base Aggregate Dense 1 1/4-Inch	42,259.000 TON	_____.____	_____.____
0072	305.0130 Base Aggregate Dense 3-Inch	4,660.000 TON	_____.____	_____.____
0074	310.0115 Base Aggregate Open-Graded	740.000 CY	_____.____	_____.____
0076	312.0110 Select Crushed Material	168,400.000 TON	_____.____	_____.____
0078	312.0115 Select Crushed Material	562.000 CY	_____.____	_____.____
0080	390.0100 Removing Pavement for Base Patching	50.000 CY	_____.____	_____.____
0082	390.0201 Base Patching Asphaltic	74.000 TON	_____.____	_____.____
0084	405.0100 Coloring Concrete WisDOT Red	95.000 CY	_____.____	_____.____
0086	405.0200 Coloring Concrete Custom	285.000 CY	_____.____	_____.____
0088	415.0090 Concrete Pavement 9-Inch	24,830.000 SY	_____.____	_____.____
0090	415.0095 Concrete Pavement 9 1/2-Inch	22,360.000 SY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0092	415.0410 Concrete Pavement Approach Slab	526.000 SY	_____.____	_____.____
0094	416.0620 Drilled Dowel Bars	500.000 EACH	_____.____	_____.____
0096	416.9100.S Filling Concrete Shoulder Rumble Strips (size) 0001. 24-Inch	30.000 EACH	_____.____	_____.____
0098	420.1000 Continuous Diamond Grinding Concrete Pavement	293.000 SY	_____.____	_____.____
0100	455.0605 Tack Coat	2,384.000 GAL	_____.____	_____.____
0102	460.2000 Incentive Density HMA Pavement	490.000 DOL	1.00000	490.00
0104	460.5223 HMA Pavement 3 LT 58-28 S	186.000 TON	_____.____	_____.____
0106	460.5224 HMA Pavement 4 LT 58-28 S	403.000 TON	_____.____	_____.____
0108	460.6223 HMA Pavement 3 MT 58-28 S	153.000 TON	_____.____	_____.____
0110	465.0105 Asphaltic Surface	6,330.000 TON	_____.____	_____.____
0112	465.0120 Asphaltic Surface Driveways and Field Entrances	45.000 TON	_____.____	_____.____
0114	495.1000.S Cold Patch	10.000 TON	_____.____	_____.____
0116	501.1000.S Ice Hot Weather Concreting	24,113.000 LB	_____.____	_____.____
0118	502.0100 Concrete Masonry Bridges	1,092.000 CY	_____.____	_____.____
0120	502.3200 Protective Surface Treatment	4,721.000 SY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0122	502.3210 Pigmented Surface Sealer	1,535.000 SY	_____.____	_____.____
0124	503.0137 Prestressed Girder Type I 36W-Inch	2,110.000 LF	_____.____	_____.____
0126	503.0146 Prestressed Girder Type I 45W-Inch	2,180.000 LF	_____.____	_____.____
0128	504.0500 Concrete Masonry Retaining Walls	180.000 CY	_____.____	_____.____
0130	505.0400 Bar Steel Reinforcement HS Structures	44,550.000 LB	_____.____	_____.____
0132	505.0600 Bar Steel Reinforcement HS Coated Structures	570,350.000 LB	_____.____	_____.____
0134	505.0800.S Bar Steel Reinforcement HS Stainless Structures	6,730.000 LB	_____.____	_____.____
0136	506.2605 Bearing Pads Elastomeric Non-Laminated	104.000 EACH	_____.____	_____.____
0138	506.4000 Steel Diaphragms (structure) 0801. B-44-315	12.000 EACH	_____.____	_____.____
0140	506.4000 Steel Diaphragms (structure) 0802. B-44-316	12.000 EACH	_____.____	_____.____
0142	506.4000 Steel Diaphragms (structure) 0803. B-44-0317	35.000 EACH	_____.____	_____.____
0144	511.1200 Temporary Shoring (structure) 0900. R-44-30	1,085.000 SF	_____.____	_____.____
0146	513.2001 Railing Pipe	370.000 LF	_____.____	_____.____
0148	516.0500 Rubberized Membrane Waterproofing	131.000 SY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0150	522.0415 Culvert Pipe Reinforced Concrete Class IV 15-Inch	37.000 LF	_____.____	_____.____
0152	522.0424 Culvert Pipe Reinforced Concrete Class IV 24-Inch	370.000 LF	_____.____	_____.____
0154	522.0430 Culvert Pipe Reinforced Concrete Class IV 30-Inch	178.000 LF	_____.____	_____.____
0156	522.0436 Culvert Pipe Reinforced Concrete Class IV 36-Inch	146.000 LF	_____.____	_____.____
0158	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	8.000 EACH	_____.____	_____.____
0160	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	7.000 EACH	_____.____	_____.____
0162	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	7.000 EACH	_____.____	_____.____
0164	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	8.000 EACH	_____.____	_____.____
0166	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	4.000 EACH	_____.____	_____.____
0168	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	2.000 EACH	_____.____	_____.____
0170	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	4.000 EACH	_____.____	_____.____
0172	531.2036 Drilling Shaft 36-Inch	10.000 LF	_____.____	_____.____
0174	531.2042 Drilling Shaft 42-Inch	138.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0176	531.4050 Foundation Camera Pole 50-FT	1.000 EACH	_____.____	_____.____
0178	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1000. S-44-324	2.000 EACH	_____.____	_____.____
0180	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1001. S-44-325	2.000 EACH	_____.____	_____.____
0182	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1002. S-44-328	2.000 EACH	_____.____	_____.____
0184	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1003. S-44-329	2.000 EACH	_____.____	_____.____
0186	531.8990 Anchor Assemblies Poles on Structures	6.000 EACH	_____.____	_____.____
0188	532.5440 Truss Full Span 2-Chord Type IV (structure) 1000. S-44-324	1.000 EACH	_____.____	_____.____
0190	532.5440 Truss Full Span 2-Chord Type IV (structure) 1001. S-44-325	1.000 EACH	_____.____	_____.____
0192	532.5440 Truss Full Span 2-Chord Type IV (structure) 1002. S-44-326	1.000 EACH	_____.____	_____.____
0194	532.5440 Truss Full Span 2-Chord Type IV (structure) 1003. S-44-327	1.000 EACH	_____.____	_____.____
0196	532.5440 Truss Full Span 2-Chord Type IV (structure) 1004. S-44-328	1.000 EACH	_____.____	_____.____
0198	532.5440 Truss Full Span 2-Chord Type IV (structure) 1005. S-44-329	1.000 EACH	_____.____	_____.____
0200	550.0500 Pile Points	220.000 EACH	_____.____	_____.____
0202	550.1120 Piling Steel HP 12-Inch X 53 Lb	10,245.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0204	601.0205 Concrete Gutter 24-Inch	100.000 LF	_____.____	_____.____
0206	601.0409 Concrete Curb & Gutter 30-Inch Type A	2,410.000 LF	_____.____	_____.____
0208	601.0411 Concrete Curb & Gutter 30-Inch Type D	463.000 LF	_____.____	_____.____
0210	601.0452 Concrete Curb & Gutter Integral 30-Inch Type D	11,583.000 LF	_____.____	_____.____
0212	601.0600 Concrete Curb Pedestrian	979.000 LF	_____.____	_____.____
0214	602.0405 Concrete Sidewalk 4-Inch	41,300.000 SF	_____.____	_____.____
0216	602.0415 Concrete Sidewalk 6-Inch	1,590.000 SF	_____.____	_____.____
0218	602.0505 Curb Ramp Detectable Warning Field Yellow	121.000 SF	_____.____	_____.____
0220	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	317.000 SF	_____.____	_____.____
0222	602.0810 Concrete Driveway 6-Inch	12.000 SY	_____.____	_____.____
0224	602.3010 Concrete Surface Drains	2.500 CY	_____.____	_____.____
0226	603.1142 Concrete Barrier Type S42	2,138.000 LF	_____.____	_____.____
0228	603.8000 Concrete Barrier Temporary Precast Delivered	28,347.000 LF	_____.____	_____.____
0230	603.8125 Concrete Barrier Temporary Precast Installed	29,847.000 LF	_____.____	_____.____
0232	603.8500 Anchoring Concrete Barrier Temporary Precast	656.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0234	604.0400 Slope Paving Concrete	607.000 SY	_____.____	_____.____
0236	606.0200 Riprap Medium	264.000 CY	_____.____	_____.____
0238	606.0300 Riprap Heavy	250.000 CY	_____.____	_____.____
0240	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	283.000 LF	_____.____	_____.____
0242	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	809.000 LF	_____.____	_____.____
0244	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	746.000 LF	_____.____	_____.____
0246	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	209.000 LF	_____.____	_____.____
0248	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	464.000 LF	_____.____	_____.____
0250	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	1,653.000 LF	_____.____	_____.____
0252	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	2,733.000 LF	_____.____	_____.____
0254	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	1,225.000 LF	_____.____	_____.____
0256	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	879.000 LF	_____.____	_____.____
0258	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	438.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0260	608.0442 Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	1,345.000 LF	_____.____	_____.____
0262	608.2419 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	93.000 LF	_____.____	_____.____
0264	608.2424 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	146.000 LF	_____.____	_____.____
0266	611.0530 Manhole Covers Type J	14.000 EACH	_____.____	_____.____
0268	611.0535 Manhole Covers Type J-Special	2.000 EACH	_____.____	_____.____
0270	611.0606 Inlet Covers Type B	1.000 EACH	_____.____	_____.____
0272	611.0610 Inlet Covers Type BW	14.000 EACH	_____.____	_____.____
0274	611.0612 Inlet Covers Type C	3.000 EACH	_____.____	_____.____
0276	611.0624 Inlet Covers Type H	82.000 EACH	_____.____	_____.____
0278	611.0642 Inlet Covers Type MS	16.000 EACH	_____.____	_____.____
0280	611.0654 Inlet Covers Type V	2.000 EACH	_____.____	_____.____
0282	611.2003 Manholes 3-FT Diameter	1.000 EACH	_____.____	_____.____
0284	611.2004 Manholes 4-FT Diameter	5.000 EACH	_____.____	_____.____
0286	611.2005 Manholes 5-FT Diameter	38.000 EACH	_____.____	_____.____
0288	611.2006 Manholes 6-FT Diameter	17.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0290	611.2007 Manholes 7-FT Diameter	3.000 EACH	_____.____	_____.____
0292	611.2008 Manholes 8-FT Diameter	1.000 EACH	_____.____	_____.____
0294	611.3004 Inlets 4-FT Diameter	73.000 EACH	_____.____	_____.____
0296	611.3225 Inlets 2x2.5-FT	2.000 EACH	_____.____	_____.____
0298	611.3901 Inlets Median 1 Grate	6.000 EACH	_____.____	_____.____
0300	611.3902 Inlets Median 2 Grate	5.000 EACH	_____.____	_____.____
0302	611.8110 Adjusting Manhole Covers	20.000 EACH	_____.____	_____.____
0304	611.8115 Adjusting Inlet Covers	52.000 EACH	_____.____	_____.____
0306	611.8120.S Cover Plates Temporary	72.000 EACH	_____.____	_____.____
0308	611.9850.S Pipe Grates (size) 0001. 30-Inch	1.000 EACH	_____.____	_____.____
0310	611.9850.S Pipe Grates (size) 0002. 42-Inch	1.000 EACH	_____.____	_____.____
0312	612.0106 Pipe Underdrain 6-Inch	5,300.000 LF	_____.____	_____.____
0314	612.0206 Pipe Underdrain Unperforated 6-Inch	300.000 LF	_____.____	_____.____
0316	612.0406 Pipe Underdrain Wrapped 6-Inch	1,789.000 LF	_____.____	_____.____
0318	612.0700 Drain Tile Exploration	50.000 LF	_____.____	_____.____
0320	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	10.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0322	614.0150 Anchor Assemblies for Steel Plate Beam Guard	2.000 EACH	_____.____	_____.____
0324	614.0395 Guardrail Mow Strip Concrete	394.000 SY	_____.____	_____.____
0326	614.0396 Guardrail Mow Strip Asphalt	166.000 SY	_____.____	_____.____
0328	614.0905 Crash Cushions Temporary	6.000 EACH	_____.____	_____.____
0330	614.2300 MGS Guardrail 3	225.000 LF	_____.____	_____.____
0332	614.2500 MGS Thrie Beam Transition	551.600 LF	_____.____	_____.____
0334	614.2610 MGS Guardrail Terminal EAT	14.000 EACH	_____.____	_____.____
0336	616.0206 Fence Chain Link 6-FT	2,497.000 LF	_____.____	_____.____
0338	616.0329 Gates Chain Link (width) 0001. 16 ft	3.000 EACH	_____.____	_____.____
0340	616.0700.S Fence Safety	350.000 LF	_____.____	_____.____
0342	618.0100 Maintenance and Repair of Haul Roads (project) 0001. 1130-64-76	1.000 EACH	_____.____	_____.____
0344	618.0100 Maintenance and Repair of Haul Roads (project) 0002. 1130-64-81	1.000 EACH	_____.____	_____.____
0346	619.1000 Mobilization	1.000 EACH	_____.____	_____.____
0348	620.0300 Concrete Median Sloped Nose	245.000 SF	_____.____	_____.____
0350	623.0200 Dust Control Surface Treatment	65,950.000 SY	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0352	624.0100 Water	1,560.000 MGAL	_____.____	_____.____
0354	625.0500 Salvaged Topsoil	188,190.000 SY	_____.____	_____.____
0356	628.1504 Silt Fence	6,550.000 LF	_____.____	_____.____
0358	628.1520 Silt Fence Maintenance	63,770.000 LF	_____.____	_____.____
0360	628.1905 Mobilizations Erosion Control	20.000 EACH	_____.____	_____.____
0362	628.1910 Mobilizations Emergency Erosion Control	20.000 EACH	_____.____	_____.____
0364	628.2002 Erosion Mat Class I Type A	142,600.000 SY	_____.____	_____.____
0366	628.2008 Erosion Mat Urban Class I Type B	9,200.000 SY	_____.____	_____.____
0368	628.7005 Inlet Protection Type A	94.000 EACH	_____.____	_____.____
0370	628.7015 Inlet Protection Type C	88.000 EACH	_____.____	_____.____
0372	628.7020 Inlet Protection Type D	10.000 EACH	_____.____	_____.____
0374	628.7504 Temporary Ditch Checks	712.000 LF	_____.____	_____.____
0376	628.7555 Culvert Pipe Checks	33.000 EACH	_____.____	_____.____
0378	628.7560 Tracking Pads	10.000 EACH	_____.____	_____.____
0380	628.7570 Rock Bags	33.000 EACH	_____.____	_____.____
0382	629.0210 Fertilizer Type B	11.000 CWT	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0384	630.0130 Seeding Mixture No. 30	6,950.000 LB	_____.____	_____.____
0386	630.0175 Seeding Mixture No. 75	16.000 LB	_____.____	_____.____
0388	630.0500 Seed Water	4,260.000 MGAL	_____.____	_____.____
0390	633.5200 Markers Culvert End	36.000 EACH	_____.____	_____.____
0392	634.0614 Posts Wood 4x6-Inch X 14-FT	23.000 EACH	_____.____	_____.____
0394	634.0616 Posts Wood 4x6-Inch X 16-FT	25.000 EACH	_____.____	_____.____
0396	634.0618 Posts Wood 4x6-Inch X 18-FT	13.000 EACH	_____.____	_____.____
0398	637.1220 Signs Type I Reflective SH	1,365.000 SF	_____.____	_____.____
0400	637.2210 Signs Type II Reflective H	783.380 SF	_____.____	_____.____
0402	637.2215 Signs Type II Reflective H Folding	102.880 SF	_____.____	_____.____
0404	637.2230 Signs Type II Reflective F	130.000 SF	_____.____	_____.____
0406	638.2102 Moving Signs Type II	47.000 EACH	_____.____	_____.____
0408	638.2601 Removing Signs Type I	4.000 EACH	_____.____	_____.____
0410	638.2602 Removing Signs Type II	62.000 EACH	_____.____	_____.____
0412	638.3000 Removing Small Sign Supports	73.000 EACH	_____.____	_____.____
0414	638.3100 Removing Structural Steel Sign Supports	4.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0416	638.4000 Moving Small Sign Supports	7.000 EACH	_____.____	_____.____
0418	640.1303.S Pond Liner Clay	17,090.000 CY	_____.____	_____.____
0420	640.1305.S Clay Cover	800.000 CY	_____.____	_____.____
0422	643.0300 Traffic Control Drums	83,587.000 DAY	_____.____	_____.____
0424	643.0420 Traffic Control Barricades Type III	9,559.000 DAY	_____.____	_____.____
0426	643.0705 Traffic Control Warning Lights Type A	17,851.000 DAY	_____.____	_____.____
0428	643.0715 Traffic Control Warning Lights Type C	19,542.000 DAY	_____.____	_____.____
0430	643.0800 Traffic Control Arrow Boards	1,371.000 DAY	_____.____	_____.____
0432	643.0900 Traffic Control Signs	144,750.000 DAY	_____.____	_____.____
0434	643.0910 Traffic Control Covering Signs Type I	9.000 EACH	_____.____	_____.____
0436	643.0920 Traffic Control Covering Signs Type II	22.000 EACH	_____.____	_____.____
0438	643.1000 Traffic Control Signs Fixed Message	304.000 SF	_____.____	_____.____
0440	643.1050 Traffic Control Signs PCMS	613.000 DAY	_____.____	_____.____
0442	643.1205.S Basic Traffic Queue Warning System	324.000 DAY	_____.____	_____.____
0444	643.3165 Temporary Marking Line Paint 6-Inch	25,200.000 LF	_____.____	_____.____
0446	643.3265 Temporary Marking Line Paint 10-Inch	1,300.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0448	643.3760 Temporary Marking Raised Pavement Marker Type I	400.000 EACH	_____.____	_____.____
0450	643.5000 Traffic Control	1.000 EACH	_____.____	_____.____
0452	645.0105 Geotextile Type C	855.000 SY	_____.____	_____.____
0454	645.0111 Geotextile Type DF Schedule A	2,465.000 SY	_____.____	_____.____
0456	645.0120 Geotextile Type HR	28,550.000 SY	_____.____	_____.____
0458	645.0140 Geotextile Type SAS	9,167.000 SY	_____.____	_____.____
0460	646.1020 Marking Line Epoxy 4-Inch	6,950.000 LF	_____.____	_____.____
0462	646.2020 Marking Line Epoxy 6-Inch	31,923.000 LF	_____.____	_____.____
0464	646.2040 Marking Line Grooved Wet Ref Epoxy 6-Inch	24,263.000 LF	_____.____	_____.____
0466	646.2050 Marking Line Grooved Permanent Tape 6-Inch	5,375.000 LF	_____.____	_____.____
0468	646.4050 Marking Line Grooved Permanent Tape 10-Inch	9,432.000 LF	_____.____	_____.____
0470	646.5020 Marking Arrow Epoxy	58.000 EACH	_____.____	_____.____
0472	646.5120 Marking Word Epoxy	27.000 EACH	_____.____	_____.____
0474	646.5220 Marking Symbol Epoxy	29.000 EACH	_____.____	_____.____
0476	646.6120 Marking Stop Line Epoxy 18-Inch	437.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0478	646.7220 Marking Chevron Epoxy 24-Inch	661.000 LF	_____.____	_____.____
0480	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	656.000 LF	_____.____	_____.____
0482	646.8105 Marking Curb Paint	70.000 LF	_____.____	_____.____
0484	646.8205 Marking Island Nose Paint	7.000 EACH	_____.____	_____.____
0486	652.0125 Conduit Rigid Metallic 2-Inch	80.000 LF	_____.____	_____.____
0488	652.0210 Conduit Rigid Nonmetallic Schedule 40 1-Inch	395.000 LF	_____.____	_____.____
0490	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	9,111.000 LF	_____.____	_____.____
0492	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	5,459.000 LF	_____.____	_____.____
0494	652.0325 Conduit Rigid Nonmetallic Schedule 80 2-Inch	30.000 LF	_____.____	_____.____
0496	652.0335 Conduit Rigid Nonmetallic Schedule 80 3-Inch	1,610.000 LF	_____.____	_____.____
0498	652.0800 Conduit Loop Detector	2,839.000 LF	_____.____	_____.____
0500	653.0154 Pull Boxes Non-Conductive 24x36-Inch	4.000 EACH	_____.____	_____.____
0502	653.0164 Pull Boxes Non-Conductive 24x42-Inch	70.000 EACH	_____.____	_____.____
0504	653.0222 Junction Boxes 18x12x6-Inch	6.000 EACH	_____.____	_____.____
0506	653.0905 Removing Pull Boxes	35.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0508	654.0101 Concrete Bases Type 1	11.000 EACH	_____.____	_____.____
0510	654.0102 Concrete Bases Type 2	11.000 EACH	_____.____	_____.____
0512	654.0105 Concrete Bases Type 5	40.000 EACH	_____.____	_____.____
0514	654.0107 Concrete Bases Type 7	3.000 EACH	_____.____	_____.____
0516	654.0110 Concrete Bases Type 10	1.000 EACH	_____.____	_____.____
0518	654.0113 Concrete Bases Type 13	1.000 EACH	_____.____	_____.____
0520	654.0120 Concrete Bases Type 10-Special	3.000 EACH	_____.____	_____.____
0522	654.0217 Concrete Control Cabinet Bases Type 9 Special	1.000 EACH	_____.____	_____.____
0524	654.0230 Concrete Control Cabinet Bases Type L30	1.000 EACH	_____.____	_____.____
0526	655.0230 Cable Traffic Signal 5-14 AWG	12,603.000 LF	_____.____	_____.____
0528	655.0260 Cable Traffic Signal 12-14 AWG	593.000 LF	_____.____	_____.____
0530	655.0305 Cable Type UF 2-12 AWG Grounded	4,075.000 LF	_____.____	_____.____
0532	655.0515 Electrical Wire Traffic Signals 10 AWG	5,399.000 LF	_____.____	_____.____
0534	655.0610 Electrical Wire Lighting 12 AWG	19,630.000 LF	_____.____	_____.____
0536	655.0625 Electrical Wire Lighting 6 AWG	40,847.000 LF	_____.____	_____.____
0538	655.0635 Electrical Wire Lighting 2 AWG	1,935.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0540	655.0700 Loop Detector Lead In Cable	7,545.000 LF	_____.____	_____.____
0542	655.0800 Loop Detector Wire	10,834.000 LF	_____.____	_____.____
0544	655.0900 Traffic Signal EVP Detector Cable	1,117.000 LF	_____.____	_____.____
0546	656.0401 Electrical Service Main Lugs Only Meter Pedestal (location) 0001. CB 200	1.000 EACH	_____.____	_____.____
0548	656.0501 Electrical Service Breaker Disconnect Box (location) 0001. CB-2	1.000 EACH	_____.____	_____.____
0550	657.0100 Pedestal Bases	11.000 EACH	_____.____	_____.____
0552	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	53.000 EACH	_____.____	_____.____
0554	657.0315 Poles Type 4	11.000 EACH	_____.____	_____.____
0556	657.0321 Poles Type 5-Steel	4.000 EACH	_____.____	_____.____
0558	657.0322 Poles Type 5-Aluminum	38.000 EACH	_____.____	_____.____
0560	657.0347 Poles Type 9-Special	1.000 EACH	_____.____	_____.____
0562	657.0350 Poles Type 10	1.000 EACH	_____.____	_____.____
0564	657.0352 Poles Type 10-Special	2.000 EACH	_____.____	_____.____
0566	657.0360 Poles Type 13	1.000 EACH	_____.____	_____.____
0568	657.0420 Traffic Signal Standards Aluminum 13-FT	7.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0570	657.0430 Traffic Signal Standards Aluminum 10-FT	4.000 EACH	_____.____	_____.____
0572	657.0530 Monotube Arms 30-FT	1.000 EACH	_____.____	_____.____
0574	657.0536 Monotube Arms 35-FT-Special	3.000 EACH	_____.____	_____.____
0576	657.0550 Monotube Arms 50-FT	1.000 EACH	_____.____	_____.____
0578	657.0709 Luminaire Arms Truss Type 4-Inch Clamp 12-FT	14.000 EACH	_____.____	_____.____
0580	657.0710 Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	44.000 EACH	_____.____	_____.____
0582	657.0812 Luminaire Arms Steel 12-FT	6.000 EACH	_____.____	_____.____
0584	658.0173 Traffic Signal Face 3S 12-Inch	31.000 EACH	_____.____	_____.____
0586	658.0412 Pedestrian Signal Face 12-Inch	12.000 EACH	_____.____	_____.____
0588	658.0500 Pedestrian Push Buttons	12.000 EACH	_____.____	_____.____
0590	658.5070 Signal Mounting Hardware (location) 0001. IH 41 NB & STH 15 (S44-0644)	1.000 EACH	_____.____	_____.____
0592	658.5070 Signal Mounting Hardware (location) 0002. IH 41 SB & STH 15 (S44-0665)	1.000 EACH	_____.____	_____.____
0594	659.1120 Luminaires Utility LED B	64.000 EACH	_____.____	_____.____
0596	659.2130 Lighting Control Cabinets 120/240 30-Inch	1.000 EACH	_____.____	_____.____
0598	659.2230 Lighting Control Cabinets 240/480 30-Inch	1.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0600	659.5000.S Lamp, Ballast, LED, Switch Disposal by Contractor	78.000 EACH	_____.____	_____.____
0602	662.1030.S Ramp Closure Gates 30-FT	2.000 EACH	_____.____	_____.____
0604	662.1040.S Ramp Closure Gates 40-FT	2.000 EACH	_____.____	_____.____
0606	670.0101 Field System Integrator	1.000 EACH	_____.____	_____.____
0608	670.0201 ITS Documentation	1.000 EACH	_____.____	_____.____
0610	671.0132 Conduit HDPE 3-Duct 2-Inch	6,392.000 LF	_____.____	_____.____
0612	671.0232 Conduit HDPE Directional Bore 3-Duct 2-Inch	160.000 LF	_____.____	_____.____
0614	671.0300 Fiber Optic Cable Marker	10.000 EACH	_____.____	_____.____
0616	673.0105 Communication Vault Type 1	3.000 EACH	_____.____	_____.____
0618	673.0110 Communication Vault Type Round	6.000 EACH	_____.____	_____.____
0620	673.0200 Tracer Wire Marker Posts	5.000 EACH	_____.____	_____.____
0622	673.1225.S Install Pole Mounted Cabinet	1.000 EACH	_____.____	_____.____
0624	674.0300 Remove Cable	3,308.000 LF	_____.____	_____.____
0626	677.0150 Install Camera Pole 50-FT	1.000 EACH	_____.____	_____.____
0628	677.0200 Install Camera Assembly	1.000 EACH	_____.____	_____.____
0630	677.9051.S Removing 50-FT Camera Pole	1.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0632	678.0012 Install Fiber Optic Cable Outdoor Plant 12-CT	770.000 LF	_____.____	_____.____
0634	678.0024 Install Fiber Optic Cable Outdoor Plant 24-CT	897.000 LF	_____.____	_____.____
0636	678.0072 Install Fiber Optic Cable Outdoor Plant 72-CT	5,677.000 LF	_____.____	_____.____
0638	678.0200 Fiber Optic Splice Enclosure	4.000 EACH	_____.____	_____.____
0640	678.0300 Fiber Optic Splice	38.000 EACH	_____.____	_____.____
0642	678.0400 Fiber Optic Termination	4.000 EACH	_____.____	_____.____
0644	678.0501 Communication System Testing	2.000 EACH	_____.____	_____.____
0646	678.0600 Install Ethernet Switches	1.000 EACH	_____.____	_____.____
0648	678.0700 Install Wireless Antennas	2.000 EACH	_____.____	_____.____
0650	690.0150 Sawing Asphalt	330.000 LF	_____.____	_____.____
0652	690.0250 Sawing Concrete	15,000.000 LF	_____.____	_____.____
0654	715.0502 Incentive Strength Concrete Structures	20,370.000 DOL	1.00000	20,370.00
0656	715.0603 Incentive Strength Concrete Barrier	1,069.000 DOL	1.00000	1,069.00
0658	715.0720 Incentive Compressive Strength Concrete Pavement	14,433.000 DOL	1.00000	14,433.00
0660	ASP.1T0A On-the-Job Training Apprentice at $5.00/ HR	2,100.000 HRS	5.00000	10,500.00

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0662	ASP.1T0G On-the-Job Training Graduate at $5.00/ HR	6,420.000 HRS	5.00000	32,100.00
0664	SPV.0035 Special 0100. Roadway Embankment	234,760.000 CY	_____.____	_____.____
0666	SPV.0035 Special 0105. Excavation, Hauling, and Re-Use of Low-Level Contaminated Material	4,160.000 CY	_____.____	_____.____
0668	SPV.0035 Special 0110. Planting Mixture	580.000 CY	_____.____	_____.____
0670	SPV.0035 Special 0800. HPC Masonry Structures	2,123.000 CY	_____.____	_____.____
0672	SPV.0060 Special 0100. Construction Staking Survey Project 1130-64-76	1.000 EACH	_____.____	_____.____
0674	SPV.0060 Special 0101. Construction Staking Survey Project 1130-64-81	1.000 EACH	_____.____	_____.____
0676	SPV.0060 Special 0105. Baseline CPM Progress Schedule	1.000 EACH	_____.____	_____.____
0678	SPV.0060 Special 0110. CPM Progress Schedule and Accepted Revisions	17.000 EACH	_____.____	_____.____
0680	SPV.0060 Special 0120. Settlement Gauges and Monitoring	10.000 EACH	_____.____	_____.____
0682	SPV.0060 Special 0150. Crash Cushions Temporary Left in Place	6.000 EACH	_____.____	_____.____
0684	SPV.0060 Special 0160. Mobilizations Emergency Pavement Repair	2.000 EACH	_____.____	_____.____
0686	SPV.0060 Special 0200. Northland Avenue Pond Outlet Storm Sewer Structure	2.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0688	SPV.0060 Special 0201. Reconnect Storm Sewer	25.000 EACH	_____.____	_____.____
0690	SPV.0060 Special 0203. Storm Sewer Plug	29.000 EACH	_____.____	_____.____
0692	SPV.0060 Special 0204. Detention Pond Anti Seep Collar	2.000 EACH	_____.____	_____.____
0694	SPV.0060 Special 0205. Cover Plates	53.000 EACH	_____.____	_____.____
0696	SPV.0060 Special 0206. Drain Slotted Vane ADA Compliant	2.000 EACH	_____.____	_____.____
0698	SPV.0060 Special 0207. Manhole 8-FT Riser Pipe Grate	1.000 EACH	_____.____	_____.____
0700	SPV.0060 Special 0500. Anchor Bolt Cover Shroud	3.000 EACH	_____.____	_____.____
0702	SPV.0060 Special 0501. Concrete Control Cabinet Double Base	1.000 EACH	_____.____	_____.____
0704	SPV.0060 Special 0600. Remove Traffic Signal IH 41 SB & STH 15 (S44-0665)	1.000 EACH	_____.____	_____.____
0706	SPV.0060 Special 0601. Remove Traffic Signal IH 41 NB & STH 15 (S44-0664)	1.000 EACH	_____.____	_____.____
0708	SPV.0060 Special 0701. Salvaging Ramp Gate System	4.000 EACH	_____.____	_____.____
0710	SPV.0060 Special 1000. Temporary Overhead Sign Structure (S-01-0001-TEMP)	1.000 EACH	_____.____	_____.____
0712	SPV.0060 Special 1005. Transporting Temporary Overhead Sign Structure (S-01-0001-TEMP)	1.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0714	SPV.0060 Special 1200. Reconstructing Sanitary Manhole	4.000 EACH	_____.____	_____.____
0716	SPV.0060 Special 1201. Adjusting Water Valve Box	5.000 EACH	_____.____	_____.____
0718	SPV.0060 Special 1202. Adjusting Sanitary Manhole	1.000 EACH	_____.____	_____.____
0720	SPV.0075 Special 0100. Street Sweeping	120.000 HRS	_____.____	_____.____
0722	SPV.0085 Special 0100. Low Maintenance Seed Mix	750.000 LB	_____.____	_____.____
0724	SPV.0090 Special 0100. Removal and Salvage of High-Tension Cable Guard and Posts	11,590.000 LF	_____.____	_____.____
0726	SPV.0090 Special 0150. Concrete Barrier Temporary Precast Left in Place	26,200.000 LF	_____.____	_____.____
0728	SPV.0090 Special 0200. Sump Pump Connections	100.000 LF	_____.____	_____.____
0730	SPV.0090 Special 0205. Precast Trench Drain	50.000 LF	_____.____	_____.____
0732	SPV.0090 Special 0600. Drilling Shaft 42-Inch Special	35.000 LF	_____.____	_____.____
0734	SPV.0090 Special 0801. Fence Chain Link Polymer Coated 6-Ft B-44-315	379.000 LF	_____.____	_____.____
0736	SPV.0090 Special 0802. Fence Chain Link Polymer Coated 6-FT B-44-316	379.000 LF	_____.____	_____.____
0738	SPV.0090 Special 0803. Fence Chain Link Polymer Coated 6-FT B-44-317	628.000 LF	_____.____	_____.____
0740	SPV.0090 Special 0804. PVC Pipe Sleeve	20.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0742	SPV.0090 Special 0900. Fence Chain Link Polymer-Coated 6-Ft R-44-30	182.000 LF	_____.____	_____.____
0744	SPV.0090 Special 0901. Fence Chain Link Polymer-Coated 6-Ft R-44-31	202.000 LF	_____.____	_____.____
0746	SPV.0090 Special 0902. Fence Chain Link Polymer-Coated 6-Ft R-44-32	168.000 LF	_____.____	_____.____
0748	SPV.0090 Special 0903. Fence Chain Link Polymer-Coated 8-Ft R-44-33	387.000 LF	_____.____	_____.____
0750	SPV.0090 Special 1000. Drilling Shaft 48-Inch Special	46.000 LF	_____.____	_____.____
0752	SPV.0165 Special 0800. Longitudinal Grooving Bridge Deck	28,421.000 SF	_____.____	_____.____
0754	SPV.0165 Special 0900. Wall Concrete Mechanically Stabilized Earth R-44-30	5,613.000 SF	_____.____	_____.____
0756	SPV.0165 Special 0901. Wall Concrete Panel Mechanically Stabilized Earth R-44-31	5,751.000 SF	_____.____	_____.____
0758	SPV.0165 Special 0902. Wall Concrete Panel Mechanically Stabilized Earth R-44-32	3,522.000 SF	_____.____	_____.____
0760	SPV.0165 Special 0903. Wall Concrete Panel Mechanically Stabilized Earth R-44-33	3,005.000 SF	_____.____	_____.____
0762	SPV.0165 Special 0904. Wall Concrete Panel Mechanically Stabilized Earth R-44-56	5,880.000 SF	_____.____	_____.____
0764	SPV.0195 Special 0100. HMA Longitudinal Joint Repair	50.000 TON	_____.____	_____.____
0766	SPV.0195 Special 0101. Hauling and Disposal of Contaminated Soil	44.000 TON	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0768	SPV.0195 Special 0105. HMA Transverse Joint Repair	25.000 TON	_____._____	_____._____

Section: 0001 **Total:** _____._____

Total Bid: _____._____

PLEASE ATTACH ADDENDA HERE

Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

January 18, 2024

NOTICE TO ALL CONTRACTORS:

ASP-6 Addendum #01

Letting of February 13, 2024

Attached is a copy of the revised ASP-6. This ASP-6 replaces ASP-6 in all proposals in the February 13, 2024 Letting.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractors.

Sincerely,

Mike Coleman
Proposal Development Specialist
Proposal Management Section

Additional Special Provision 6 (ASP-6)
Modifications to the standard specifications

Make the following revisions to the standard specifications:

---

108 Prosecution and Progress

Add subsection 108.9.4.1 effective with the November 2023 letting:

108.9.4.1 Winter Suspension for Completion Date Contracts

(1) The contractor may request a winter suspension for a completion date contract. If the department determines weather conditions do not allow for the completion of the remaining work, the department may approve the contractor's request and determine the start date of the winter suspension. The end date of the winter suspension is March 31 or a date mutually agreed upon by both parties. For multi-year contracts, the department will only consider winter suspension for the final year of the contract.

(2) During winter suspension, store all materials in a manner that does not obstruct vehicular and pedestrian traffic and protect the materials from damage. Install traffic control and other safety devices necessary to protect the traveling public and pedestrians. Provide suitable drainage and install temporary erosion control where necessary. If the winter suspension begins when liquidated damages are being assessed, or when the work has not progressed as scheduled and would not have been completed prior to the completion date, the cost of necessary pre-suspension work is incidental. If the winter suspension begins prior to the contract completion date, and the work has progressed as scheduled and would have been completed prior to the completion date, the cost of pre-suspension work will be paid as specified under 109.4.

(3) For a winter suspension that begins prior to the contract completion date and the work has progressed as scheduled and would have been completed prior to the completion date, the engineer will extend contract time to correspond with the end of the winter suspension and liquidated damages will not be assessed during the winter suspension.

(4) For a winter suspension that begins when liquidated damages are being assessed or when the work has not progressed as scheduled and would not have been completed prior to the completion date, the engineer will not extend contract time. Time will be suspended until the end of the winter suspension. Liquidated damages will not be assessed during the winter suspension and liquidated damages will resume at the end of the winter suspension.

108.10.2 Excusable, Non-Compensable Delays

108.10.2.1 General

Replace entire section with the following effective with the January 2024 letting:

(1) Non-compensable delays, 108.10.2.1(3), are excusable delays not the contractor's or the department's fault. The engineer will not pay for the delay costs listed in 109.4.7 for non-compensable delays.

(2) For non-compensable delays under calendar day and completion date contracts, the engineer will extend contract time if the conditions specified in 108.10.1 are met. The department will relieve the contractor from associated liquidated damages, as specified in 108.11, if the engineer extends time under 108.10.1.

(3) The following are non-compensable delays:

1. Delays due to earthquakes, other cataclysmic phenomena of nature the contractor cannot foresee and avoid, severe weather or job conditions caused by recent weather as specified in 108.10.2.2.
2. Extraordinary delays in material deliveries the contractor or their suppliers cannot foresee and forestall resulting from strikes, lockouts, freight embargoes, industry-wide shortages, governmental acts, or sudden disasters.
3. Delays due to acts of the government, a political subdivision other than the department, or the public enemy.
4. Delays from fires or epidemics.
5. Delays from strikes beyond the contractor's power to settle not caused by improper acts or omissions of the contractor, their subcontractors, or their suppliers.
6. Altered quantities as specified in 109.3.

108.10.3 Excusable Compensable Delays

Replace entire section with the following effective with the January 2024 letting:

(1) Compensable delays are excusable delays due to the department's actions or lack of actions. The engineer will grant a time extension for a compensable delay if the conditions specified in 108.10.1 are met.

(2) The following are compensable delays:

1. A contract change for revised work as specified for extra work under 104.2.2.1, for a differing site condition under 104.2.2.2, or for significant changes in the character of the work under 104.2.2.4.
2. A contract change for an engineer-ordered suspension under 104.2.2.3.
3. The unexpected discovery of human remains, an archaeological find, or historical find consistent with 107.25.
4. The unexpected discovery of a hazardous substance consistent with 107.24.
5. The non-completion of work that utilities or other third parties perform, if that work is not completed as specified in the contract.

(3) For a compensable delay or a time extension, the department will relieve the contractor from associated liquidated damages under 108.11, and will pay the contractor for delay costs determined as follows:

1. Adjust the contract price as specified in 109.4.2 through 109.4.5 for delays under item 1 of 108.10.3(2).
2. Adjust the contract price as specified in 109.4.7 for delays under items 2 through 5 of 108.10.3(2).

---

310 Open Graded Base

310.2 Materials

Replace paragraph two with the following effective with the November 2023 letting:

(2) The contractor may substitute material conforming to the gradation requirements for crushed aggregate specified in Table 310-01 if that material conforms to the fracture requirements for open-graded crushed gravel specified in 301.2.4.5.

TABLE 310-01 COARSE AGGREGATE (% passing by weight)

AASHTO No. 67[1]

SEIVE	COARSE AGGREGATE (% PASSING by WEIGHT) AASHTO No. 67
2-inch	-
1 1/2-inch	-
1-inch	100
3/4-inch	90 – 100
1/2-inch	-
3/8-inch	20 – 55
No. 4	0 – 10
No. 8	0 – 5
No. 16	-
No. 30	-
No. 50	-
No. 100	-
No. 200	<=1.5

[1] Size according to AASHTO M43.

---

390 Base Patching

390.4 Measurement

Replace entire section with the following effective with the November 2023 letting:

(1) The department will measure Removing Pavement for Base Patching by the cubic yard acceptably completed. Measure the depth from the bottom of the adjacent pavement to the top of the patch.

(2) The department will measure Base Patching Asphaltic by the ton acceptably completed as specified for asphaltic pavement in 450.4.

(3) The department will measure Base Patching Concrete HES and Base Patching Concrete SHES by the cubic yard acceptably completed. Measure the depth from the bottom of the adjacent pavement to the top of the patch.

390.5 Payment

Replace entire section with the following effective with the November 2023 letting:

(1) The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
390.0100	Removing Pavement for Base Patching	CY
390.0201	Base Patching Asphaltic	TON
390.0305	Base Patching Concrete HES	CY
390.0405	Base Patching Concrete SHES	CY

(2) Payment for Removing Pavement for Base Patching is full compensation for removing old pavement; for preparing the foundation and bringing up to grade. If the engineer orders the contractor to excavate yielding or unstable subgrade materials and backfill with suitable materials, the department will pay for that work with contract bid items or as agreed upon using 109.4.

(3) Payment for Base Patching Asphaltic is full compensation for providing and compacting asphaltic mixture including asphaltic binder.

(4) Payment for Base Patching Concrete HES and Base Patching Concrete SHES is full compensation for providing, curing, and protecting concrete. Payment also includes providing tie bars and dowel bars in unhardened concrete and steel within the patch. For tie bars and dowel bars provided in concrete not placed under the contract, the department will pay separately under the Drilled Tie Bars and Drilled Dowel Bars bid items as specified in 416.5.

(5) Payment for Base Patching SHES also includes providing test data to the engineer as specified in 416.2.4.

(6) The department will pay for sawing existing concrete pavement for removal under the Sawing Concrete bid item as specified in 690.5.

---

460 Hot Mix Asphalt Pavement

460.2.8.2.1.3.1 Contracts with 5000 Tons of Mixture or Greater

Replace paragraph four with the following effective with the November 2023 letting:

(4) Use the test methods identified below, or other methods the engineer approves, to perform the following tests at the frequency indicated:

Blended aggregate gradations:

Drum plants:

- Field extraction by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to WTM D8159. Gradation of resulting aggregate sample determined according to WTM T30.
- Belt samples, optional for virgin mixtures, obtained from stopped belt or from the belt discharge using an engineer-approved sampling device and performed according to WTM T11 and T27.

Batch plants:

- Field extraction by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to WTM D8159. Gradation of resulting aggregate sample determined according to WTM T30.

Asphalt content (AC) in percent:

Determine AC using one of the following methods:

- AC by ignition oven according to WTM T308.
- AC by chemical extraction according to AASHTO T-164 method A or B.
- AC by automated extraction according to WTM D8159.
- If the department is using an ignition oven to determine AC, conform to WTP H003.
- If the department is not using an ignition oven to determine AC, ignition oven correction factor (IOCF) must still be reverified for any of the reasons listed in WTP H003 Table 2 and conform to WTP H-003 sections 3 through 6.
- Gradation of resulting aggregate sample determined according to WTM T30.

Bulk specific gravity of the compacted mixture:

According to WTM T166.

Theoretical maximum specific gravity:

According to WTM T209.

Air voids (Va) by calculation according to WTM T269.

VMA by calculation according to WTM R35.

460.2.8.3.1.4 Department Verification Testing Requirements

Replace paragraph three with the following effective with the November 2023 letting:

(3) The department will perform testing conforming to the following standards:

Bulk specific gravity (G_{mb}) of the compacted mixture according to WTM T166.

Maximum specific gravity (Gmm) according to WTM T209.

Air voids (Va) by calculation according to WTM T269.

VMA by calculation according to WTM R35.

Asphalt content by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B, or automated extraction according to WTM D8159. If using an ignition oven to determine AC, conform to WTP H-003.

460.3.3.2 Pavement Density Determinations

Replace entire section with the following effective with the February 2024 letting:

(1) The engineer will determine the target maximum density using department procedures described in WTM T355. The engineer will determine density according to CMM 815 and WTM T355 as soon as practicable after compaction and before placement of subsequent layers or before opening to traffic.

(2) Do not re-roll compacted mixtures with deficient density test results. Do not operate continuously below the specified minimum density. Stop production, identify the source of the problem, and make corrections to produce work meeting the specification requirements.

(3) A lot is defined as one day's production for each sublot type or one production shift if running 24 hours per day and placed within a single layer for each location and target maximum density category indicated in table 460-3. The lot density is the average of the tests taken for that lot. The department determines the number of tests per lot according to WTP H-002.

(4) An HTCP-certified Nuclear Density Technician I (NUCDENSITYTEC-I) or a nuclear density ACT working under a NUCDENSITYTEC-I technician, will locate samples and perform the testing. A NUCDENSITYTEC-I technician will coordinate and take responsibility for the work an ACT performs. No more than one ACT can work under a single NUCDENSITYTEC-I technician. The responsible NUCDENSITYTEC-I technician will ensure that sample location and testing is performed correctly, analyze test results, and provide density results to the contractor weekly.

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503 Prestressed Concrete Members

503.2.2 Concrete

Replace paragraph five with the following effective with the November 2023 letting:

(5) Furnish prestressed concrete members cast from air-entrained concrete, except I-type girders may use non-air-entrained concrete. Use type I, IL, IS, IP, IT, II, or III cement. The contractor may replace up to 30 percent of type I, IL, II, or III cement with an equal weight of fly ash, slag, or a combination of fly ash and slag. Ensure that fly ash conforms to 501.2.4.2.2 and slag conforms to 501.2.4.2.3. Use only one source and replacement rate for work under a single bid item. Use a department-approved air-entraining admixture conforming to 501.2.5.2 for air-entrained concrete. Use only coarse aggregate conforming to 310.2(2).

---

604 Slope Paving

604.2 Materials

Replace paragraph three with the following effective with the November 2023 letting:

(3) Under the Slope Paving Crushed Aggregate bid item, furnish crushed stone or crushed gravel conforming to the gradation in Table 604-01, but with the additional requirements that at least 75 percent of the particles, by count, have at least one fractured face. Determine fracture according to WTM D5821.

TABLE 604-01 COARSE AGGREGATE (% passing by weight)

AASHTO No. 4[1]

SEIVE	COARSE AGGREGATE (% PASSING by WEIGHT) AASHTO No. 4
2-inch	100
1 1/2-inch	90 - 100
1-inch	20 - 55
3/4-inch	0 - 15
1/2-inch	-
3/8-inch	0 - 5
No. 4	-
No. 8	-
No. 16	-
No. 30	-
No. 50	-
No. 100	-
No. 200	<=1.5

[1] Size according to AASHTO M43.

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612 Underdrains

612.3.9 Trench Underdrains

Replace paragraph one with the following effective with the November 2023 letting:

(1) Under the Underdrain Trench bid item, excavate and backfill underdrain trenches. Backfill with coarse aggregate gradation conforming to 604.2(3). Before backfilling place geotextile as the plans show.

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614 Semi-rigid Barrier Systems and End Treatments

614.2.6 Sand Barrel Arrays

Replace paragraph one with the following effective with the November 2023 letting:

(1) Furnish sand barrels from the APL. Use fine aggregate conforming to gradation shown in Table 614-2 mixed with sodium chloride conforming to AASHTO M143. Apply an object marker to front-most barrel in the array.

TABLE 614-2 FINE AGGREGATE GRADATION

SEIVE	FINE AGGREGATE (% PASSING by WEIGHT)
3/8-inch	100
No. 4	90 - 100
No. 8	-
No. 16	45 - 85
No. 30	-
No. 50	5 - 30
No. 100	0 - 10
No. 200	<=3.5

628 Erosion Control

628.2.13 Rock Bags

Replace paragraph two with the following effective with the November 2023 letting:

(2) Fill the bags with a clean, sound, hard, durable, engineer-approved coarse aggregate conforming by visual inspection to the gradation specified for coarse aggregate gradation in 604.2(3).

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639 Drilling Wells

639.2.1 General

Replace paragraph two with the following effective with the November 2023 letting:

(2) For grout use fine aggregate conforming to 501.2.7.2; and gradation conforming to 614.2.6(1); and type I, IL, IS, IP, or IT cement.

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652 Electrical Conduit

652.3.1.2 Installing Underground

Replace paragraph two with the following effective with the November 2023 letting:

(2) Excavate trenches true to line and grade to provide the conduit uniform bearing throughout its length. Do not backfill the trench before inspecting the conduit. Carefully tamp the backfill in place as specified for placing backfill in layers in 651.3. Place at least 0.7 cubic feet of coarse aggregate gradation conforming to 604.2(3) directly under each drainage hole.

ERRATA

390.3.4 Special High Early Strength Concrete Patching

Correct errata link in paragraph (1) by changing from 416.3.8 to 416.3.7.

(1) Construct as specified for special high early strength repairs under 416.3.7 except as follows:

- The contractor may delay removal for up to 14 calendar days after cutting the existing pavement.
- Open to traffic as specified for concrete base in 320.3.

Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

February 6, 2024

NOTICE TO ALL CONTRACTORS:

Federal Wage Rate Addendum #01

Letting of February 13, 2024

Attached is a copy of the revised WI 10 Highway Davis Bacon Prevailing Wage Rates that are included in proposals 04 – 15, 17, 18, 20 – 25, 28, and 30 – 39; WI 8 Heavy (Sewer & Water Line & Tunnel) Davis Bacon Prevailing Wage Rates that are included in proposals 21 and 31; and WI 15 Heavy Davis Bacon Prevailing Wage Rates that are included in proposal 15. These wage rates are effective for all proposals they are included in in the February 13, 2024 letting. The updated wage rates are dated February 2, 2024 and are effective on or after February 12, 2024.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractors.

Sincerely,

Mike Coleman
Proposal Development Specialist
Proposal Management Section

"General Decision Number: WI20240010 02/02/2024

Superseded General Decision Number: WI20230010

State: Wisconsin

Construction Type: Highway

Counties: Wisconsin Statewide.

HIGHWAY, AIRPORT RUNWAY & TAXIWAY CONSTRUCTION PROJECTS (does not include bridges over navigable waters; tunnels; buildings in highway rest areas; and railroad construction)

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $17.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2024.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/05/2024

1	01/26/2024
2	02/02/2024

BRWI0001-002 06/01/2023

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.18	25.88

BRWI0002-002 06/01/2023

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER	$ 47.10	25.16

BRWI0002-005 06/01/2023

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 39.97	25.02

BRWI0003-002 06/01/2023

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.00	26.06

BRWI0004-002 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER	$ 44.50	26.96

BRWI0006-002 06/01/2023

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.08	25.98

BRWI0007-002 06/01/2023

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.95	26.80

BRWI0008-002 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER	$ 44.96	25.67

BRWI0011-002 06/01/2023

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.00	26.06

BRWI0019-002 06/01/2023

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER	$ 39.32	26.74

BRWI0034-002 06/01/2023

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER	$ 41.56	26.19

CARP0068-011 05/02/2022

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

	Rates	Fringes
Carpenter & Piledrivermen	$ 41.19	27.05

CARP0264-003 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER	$ 41.91	29.72

CARP0310-002 06/05/2023

Ashland, Bayfield, Forest, Iron, Langlade, Lincoln, Marathon, Oneida, Shawano, Taylor and Vilas

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0314-001 06/05/2023

Columbia, Dane, Dodge, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk and Walworth

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER	$ 36.15	20.43

CARP0731-002 06/05/2023

Calumet (Eastern portion of the County), Fond Du Lac, Manitowoc and Sheboygan

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0804-001 06/05/2023

Adams, Juneau, Portage and Wood

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

* CARP0955-002 06/05/2023

Calumet (western portion of County), Fond Du Lac, Green Lake, Marquette, Outagamie, Waupaca, and Winnebago

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1056-002 06/01/2023

	Rates	Fringes
MILLWRIGHT	$ 40.00	27.77

CARP1074-002 06/05/2023

Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pepin, Pierce, Polk, Rusk, Sawyer, St. Croix and Washburn

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1143-002 06/05/2023

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPEALEAU AND VERNON COUNTIES

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1146-002 06/05/2023

Brown, Door, Florence, Kewaunee, Marinette, Menominee and Shawano

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP2337-009 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
PILEDRIVERMAN	$ 39.22	34.01

ELEC0014-002 11/26/2023

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Maryville, Colby, Unity, Sherman, Fremont, Lynn & Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST CROIX, SAWYER, TAYLOR, TREMPEALEAU, VERNON, AND WASHBURN COUNTIES

	Rates	Fringes
Electricians:	$ 41.32	22.91

ELEC0014-007 05/28/2023

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician	$ 29.82	17.70

Low voltage construction, installation, maintenance and removal of teledata facilities (voice, data, and video) including outside plant, telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT,

bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated systems digital network).

ELEC0127-002 06/01/2023

KENOSHA COUNTY

	Rates	Fringes
Electricians:	$ 46.05	30%+13.15

ELEC0158-002 05/30/2021

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE(Wausuakee and area South thereof), OCONTO, MENOMINEE (East of a ine 6 miles West of the West boundary of Oconto County), SHAWANO (Except Area North of Townships of Aniwa and Hutchins) COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 36.14	29.75%+10.26

ELEC0159-003 05/30/2021

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and Emmet Townships), GREEN, LAKE (except Townships of Berlin, Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 43.38	23.13

ELEC0219-004 06/01/2019

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern, Florence and Homestead) AND MARINETTE COUNTY (Township of Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over $180,000	$ 33.94	21.80
Electrical contracts under $180,000	$ 31.75	21.73

ELEC0242-005 05/30/2021

DOUGLAS COUNTY

	Rates	Fringes
Electricians:	$ 41.37	69.25%

ELEC0388-002 06/01/2023

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON,

MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:	$ 38.74	26%+11.76

ELEC0430-002 06/01/2023

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:	$ 46.70	25.02

ELEC0494-005 05/28/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:	$ 47.75	26.72

ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:	$ 37.91	22.74

ELEC0494-013 05/28/2023

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupuin), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer	$ 34.65	18.36
Technician	$ 34.65	18.36

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillion, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the

installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

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ELEC0577-003 06/01/2022

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:	$ 37.41	29.50%+10.00

ELEC0890-003 06/01/2022

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:	$ 40.70	25.95%+11.26

ELEC0953-001 06/02/2019

	Rates	Fringes
Line Construction:		
(1) Lineman	$ 47.53	21.43
(2) Heavy Equipment Operator	$ 42.78	19.80
(3) Equipment Operator	$ 38.02	18.40
(4) Heavy Groundman Driver	$ 33.27	16.88
(5) Light Groundman Driver	$ 30.89	16.11
(6) Groundsman	$ 26.14	14.60

ENGI0139-005 06/01/2023

	Rates	Fringes
Power Equipment Operator		
Group 1	$ 43.77	27.40
Group 2	$ 43.27	27.40
Group 3	$ 42.77	27.40
Group 4	$ 42.51	27.40
Group 5	$ 42.22	27.40
Group 6	$ 36.32	27.40

HAZARDOUS WASTE PREMIUMS:
EPA Level ""A"" protection - $3.00 per hour
EPA Level ""B"" protection - $2.00 per hour
EPA Level ""C"" protection - $1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs; pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminious paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self- propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender, day light machine

GROUP 6: Off-road material hauler with or without ejector.

IRON0008-002 06/01/2023

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER	$ 43.40	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor

Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER	$ 41.73	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2023

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER	$ 41.00	30.13

IRON0498-005 06/01/2023

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER	$ 45.18	47.08

IRON0512-008 04/30/2023

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPEALEAU COUNTIES

	Rates	Fringes
IRONWORKER	$ 43.00	34.11

IRON0512-021 04/30/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER	$ 39.14	34.00

LABO0113-002 06/01/2023

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 33.56	23.86
Group 2	$ 33.71	23.86
Group 3	$ 33.91	23.86
Group 4	$ 34.06	23.86
Group 5	$ 34.21	23.86
Group 6	$ 30.05	23.86

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LABO0113-003 06/01/2023

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 32.81	23.86
Group 2	$ 32.91	23.86
Group 3	$ 32.96	23.86
Group 4	$ 33.16	23.86
Group 5	$ 33.01	23.86
Group 6	$ 29.90	23.86

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter

(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

LABO0113-011 06/01/2023

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 32.62	23.86
Group 2	$ 32.77	23.86
Group 3	$ 32.97	23.86
Group 4	$ 32.94	23.86
Group 5	$ 33.27	23.86
Group 6	$ 29.76	23.86

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

LABO0140-002 06/01/2023

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPEALEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		

Group 1	$ 37.57	19.25
Group 2	$ 37.67	19.25
Group 3	$ 37.72	19.25
Group 4	$ 37.92	19.25
Group 5	$ 37.77	19.25
Group 6	$ 34.20	19.25

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bitminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Secialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LABO0464-003 06/01/2023

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1	$ 37.85	19.25
Group 2	$ 37.95	19.25
Group 3	$ 38.00	19.25
Group 4	$ 38.20	19.25
Group 5	$ 38.05	19.25
Group 6	$ 34.20	19.25

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminious Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

PAIN0106-008 05/01/2023

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller	$ 34.59	24.84
Spray, Sandblast, Steel	$ 35.19	24.84
Repaint:		
Brush, Roller	$ 33.09	24.84
Spray, Sandblast, Steel	$ 33.69	24.84

PAIN0108-002 06/01/2023

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller	$ 41.04	21.95
Spray & Sandblast	$ 42.04	21.95

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, SAWYER, ST. CROIX, AND WASHBURN COUNTIES

	Rates	Fringes
PAINTER	$ 24.11	12.15

PAIN0259-004 05/01/2015

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
PAINTER	$ 22.03	12.45

PAIN0781-002 06/01/2023

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge	$ 39.84	24.86
Brush	$ 39.09	24.86
Spray & Sandblast	$ 39.84	24.86

PAIN0802-002 06/01/2023

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND, ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush	$ 35.00	20.62

PREMIUM PAY:
Structural Steel, Spray, Bridges = $1.00 additional per hour.

PAIN0802-003 06/01/2023

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER	$ 35.00	20.62

PAIN0934-001 06/01/2022

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush	$ 36.70	24.69
Spray	$ 37.70	24.69
Structural Steel	$ 36.85	24.69

PAIN1011-002 06/06/2021

FLORENCE COUNTY

	Rates	Fringes
Painters:	$ 26.71	14.38

PLAS0599-002 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area A	$ 45.17	27.27
Area B	$ 39.97	25.02
Area C	$ 40.40	25.25
Area D	$ 41.16	24.49
Area E	$ 40.50	25.14
Area F	$ 36.98	28.67

AREA DESCRIPTIONS

AREA A: ASHLAND, BURNETT, BAYFIELD, DOUGLAS, IRON, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA B: ADAMS, BARRON, BROWN, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,

OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST. CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA C: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE, MONROE, PEPIN, PIERCE, RICHLAND, TREMPEALEAU, AND VERNON COUNTIES

AREA D: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA E: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA F: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2023

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles	$ 35.57	26.09
3 or more Axles; Euclids, Dumptor & Articulated, Truck Mechanic	$ 35.72	26.09

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular

rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

"General Decision Number: WI20240008 02/02/2024

Superseded General Decision Number: WI20230008

State: Wisconsin

Construction Types: Heavy (Sewer and Water Line and Tunnel)

Counties: Wisconsin Statewide.

TUNNEL, SEWER & WATER LINE CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $17.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2024.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/05/2024
1	01/19/2024

BRWI0001-002 06/01/2023

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.18	25.88

BRWI0002-002 06/01/2023

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER	$ 47.10	25.16

BRWI0002-005 06/01/2023

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 39.97	25.02

BRWI0003-002 06/01/2023

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.00	26.06

BRWI0004-002 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER	$ 44.50	26.96

BRWI0006-002 06/01/2023

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.08	25.98

BRWI0007-002 06/01/2023

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.95	26.80

BRWI0008-002 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER	$ 44.96	25.67

BRWI0009-001 06/01/2023

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.00	26.06

BRWI0011-002 06/01/2023

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.00	26.06

BRWI0013-002 06/01/2023

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER	$ 41.56	26.19

BRWI0019-002 06/01/2023

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER	$ 39.32	26.74

BRWI0021-002 06/01/2023

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.49	27.24

BRWI0034-002 06/01/2023

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER	$ 41.56	26.19

CARP0068-011 05/02/2022

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

	Rates	Fringes
Carpenter & Piledrivermen	$ 41.19	27.05

CARP0264-003 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER	$ 41.91	29.72

CARP0310-002 06/05/2023

Ashland, Bayfield, Forest, Iron, Langlade, Lincoln, Marathon, Oneida, Shawano, Taylor and Vilas

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0314-001 06/05/2023

Columbia, Dane, Dodge, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk and Walworth

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER	$ 36.15	20.43

CARP0731-002 06/05/2023

Calumet (Eastern portion of the County), Fond Du Lac, Manitowoc and Sheboygan

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0804-001 06/05/2023

Adams, Juneau, Portage and Wood

	Rates	Fringes

CARPENTER.....$ 38.86 27.06
Piledriver.....$ 39.43 27.02

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* CARP0955-002 06/05/2023

Calumet (western portion of County), Fond Du Lac, Green Lake, Marquette, Outagamie, Waupaca, and Winnebago

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1056-002 06/01/2023

	Rates	Fringes
MILLWRIGHT	$ 40.00	27.77

CARP1074-002 06/05/2023

Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pepin, Pierce, Polk, Rusk, Sawyer, St. Croix and Washburn

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1143-002 06/05/2023

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPEALEAU AND VERNON COUNTIES

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1146-002 06/05/2023

Brown, Door, Florence, Kewaunee, Marinette, Menominee and Shawano

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP2337-009 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
PILEDRIVERMAN	$ 39.22	34.01

CARP2337-010 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
MILLWRIGHT	$ 39.31	32.21

ELEC0014-002 11/26/2023

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Maryville, Colby, Unity, Sherman, Fremont, Lynn & Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST CROIX, SAWYER, TAYLOR, TREMPEALEAU, VERNON, AND WASHBURN COUNTIES

	Rates	Fringes
Electricians:	$ 41.32	22.91

ELEC0127-002 06/01/2023

KENOSHA COUNTY

	Rates	Fringes
Electricians:	$ 46.05	30%+13.15

ELEC0158-002 05/30/2021

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE(Wausuakee and area South thereof), OCONTO, MENOMINEE (East of a ine 6 miles West of the West boundary of Oconto County), SHAWANO (Except Area North of Townships of Aniwa and Hutchins) COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 36.14	29.75%+10.26

ELEC0159-003 05/30/2021

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and Emmet Townships), GREEN, LAKE (except Townships of Berlin, Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 43.38	23.13

ELEC0219-004 06/01/2019

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern, Florence and Homestead) AND MARINETTE COUNTY (Township of Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over $180,000	$ 33.94	21.80

Electrical contracts under $180,000	$ 31.75	21.73

ELEC0242-005 05/30/2021

DOUGLAS COUNTY

	Rates	Fringes
Electricians:	$ 41.37	69.25%

ELEC0388-002 06/01/2023

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:	$ 38.74	26%+11.76

ELEC0430-002 06/01/2023

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:	$ 46.70	25.02

ELEC0494-005 05/28/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:	$ 47.75	26.72

ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:	$ 37.91	22.74

ELEC0577-003 06/01/2022

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:	$ 37.41	29.50%+10.00

ELEC0890-003 06/01/2022

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,
RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:	$ 40.70	25.95%+11.26

ENGI0139-003 06/05/2023

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1	$ 47.53	25.89
Group 2	$ 46.28	25.89
Group 3	$ 43.23	25.89
Group 4	$ 42.70	25.89
Group 5	$ 40.63	25.89
Group 6	$ 39.10	25.89

HAZARDOUS WASTE PREMIUMS:
EPA Level ""A"" Protection: $3.00 per hour
EPA Level ""B"" Protection: $2.00 per hour
EPA Level ""C"" Protection: $1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of over 100 tons; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,00 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweeeprs; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without attachments; Power Pack Vibratory/Ultra Sound Driver and Extractor; Fireman (Asphalt Plants); Screed Operator; Stone Crushers and Screening Plants; Air, Electric, Hydraulic Jacks (Slip Form); Prestress Machines; Air Compressor, 400 CFM or over; Refrigeration Plant/Freese Machine; Boiler Operators (temporary heat); Forklifts; Welding Machines; Generators; Pumps over 3""; Heaters, Mechanical; Combination small equipment operator; Winches, small electric; Oiler; Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

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ENGI0139-007 06/05/2023

DODGE, FOND DU LAC, JEFFERSON, KENOSHA, MILWAUKEE, OZAUKEE, RACINE, SHEBOYGAN, WALWORTH, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1	$ 44.54	25.35
Group 2	$ 43.76	25.35
Group 3	$ 42.81	25.35
Group 4	$ 41.76	25.35
Group 5	$ 40.36	25.35

HAZARDOUS WASTE PREMIUMS:
EPA Level ""A"" Protection: $3.00 per hour
EPA Level ""B"" Protection: $2.00 per hour
EPA Level ""C"" Protection: $1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, and Derricks with or without attachments, with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Backhoes (Excavators) 130,000 lbs and over; Caisson Rigs and Pile Drivers

GROUP 2: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or under; or Cranes, Tower Cranes, and Derricks with boom, lead, and\or jib lengths measuring 175 feet or under; Backhoes (Excavators) under 130,000 lbs; Skid Rigs; Dredge Operator: Traveling Crane (Bridge type); Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Pumps and Boring Machines (directional)

GROUP 3: Material Hoists; Stack Hoists; Tractor or Truck mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane, 5 tons or under; Manhoist; Tractor over 40 hp; Bulldozer over 40 hp; Endloader over 40 hp; Forklift, 25 ft and over; Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Mechanic and Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Percussion Drill Operator; Rotary Drill Operator; Blaster; Air Track Drill; Trencher (wheel type or chain type having over 8 inch bucket); Elevator; Milling Machine and Boring Machine (horizontal or vertical); Backhoe Mounted Compactor

GROUP 4: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machine (road type); Roller, Rubber Tire; Concrete Batch Hopper; Concrete Conveyor System; Concrete Mixers (14S or over); Screw type Pumps and Gypsum Pumps; Grout Pumps; Tractor, Bulldozer, End Loader, under 40 hp; Pumps (well points); Trencher (chain type 8 inch or smaller bucket; Industrial Locomotives; Roller under 5 tons; Fireman (Piledrivers and Derricks); Robotic Tool Carrier with or without attachments.

GROUP 5: Hoists (Automatic); Forklift, 12 ft to 25 ft; Tamper-Compactors, riding type; A-Frame andWinch Trucks; Concrete Auto Breaker; Hydrohammer, small; Brooms and Sweepers; Hoist (Tuggers); Stump Chipper, large; Boats (Tug, Safety, Work Barges and Launch); Shouldering Machine Operator; Screed Operator; Farm or Industrial Tractor; Post Hole Digger; Stone Crushers and Screening Plants; Firemen (Asphalt Plants); Air Compressor (400 CFM or over); Augers (vertical and horizontal); Generators, 150 KW and over; Air, Electric Hydraulic Jacks (Slipform); Prestress Machines; Skid Steer Loader with or without attachments; Boiler operators (temporary heat); Forklift, 12 ft and under; Screed Operator Milling Machine; Refrigeration Plant/Freeze Machine; Power Pack Vibratory/Ultra Sound Driver and Extractor; Generators under 150 KW; Combination small equipment operator; Compressors under 400 CFM; Welding Machines; Heaters, Mechanical; Pumps; Winches, Small Electric; Oiler and Greaser; Conveyor; High pressure utility locating machine (daylighting machine).

IRON0008-002 06/01/2023

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER	$ 43.40	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER	$ 41.73	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2023

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER	$ 41.00	30.13

IRON0498-005 06/01/2023

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER	$ 45.18	47.08

IRON0512-008 04/30/2023

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPEALEAU COUNTIES

	Rates	Fringes
IRONWORKER	$ 43.00	34.11

IRON0512-021 04/30/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER	$ 39.14	34.00

LABO0113-004 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Open Cut)		
Group 1	$ 18.72	22.75
Group 2	$ 21.10	22.75
Group 3	$ 24.81	22.75
Group 4	$ 34.62	22.75
Group 5	$ 34.78	22.75

Group 6	$ 34.84	22.75
Group 7	$ 38.88	22.75
Group 8	$ 41.83	22.75
Group 9	$ 42.50	22.75

LABORERS CLASSIFICATIONS [OPEN CUT]

GROUP 1: Yard Laborer

GROUP 2: Landscaper

GROUP 3: Flag Person

GROUP 4: Paving Laborer

GROUP 5: General Laborer on Surface; Top Man

GROUP 6: Mud Mixer

GROUP 7: Mucker; Form Stripper; Bottom Digger and Misc; Bottom Man and Welder on Surface

GROUP 8: Concrete Manhole Builder; Caisson Worker; Miner; Pipe Layer; Rock Driller and Joint Man; Timber Man and Concrete Brusher; Bracer in Trench Behind Machine & Tight Sheeting; Concrete Formsetter and Shoveler; Jackhammer Operator

GROUP 9: Blaster

LABO0113-005 06/05/2023

SEWER, TUNNEL & UNDERGROUND

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
Laborers:		
Group 1	$ 25.71	22.75
Group 2	$ 31.93	22.75
Group 3	$ 36.33	22.75
Group 4	$ 38.19	22.75

TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add $1.00, 15-30 lbs add $2.00, over 30 lbs add $3.00

LABORERS CLASSIFICATIONS

GROUP 1: Flagperson

GROUP 2: Top Man, General Laborer, Wellpoint Installation, Wire Mesh and Reinforcement, Concrete Worker, Form Stripper, Strike-off Work

GROUP 3: Machine and Equipment Operator, Sheeting, Form Setting, Patch Finisher, Bottom Man, Joint Sawer, Gunnite Man, Manhole Builder, Welder-Torchman, Blaster, Caulker, Bracer, Bull Float, Conduit Worker, Mucker and Car Pusher, Raker and Luteman, Hydraulic Jacking of Shields, Shield Drivers, Mining Machine, Lock Tenders, Mucking Machine Operator, Motor Men & Gauge Tenders and operation of incidental Mechanical Equipment and all Power Driven Tools

GROUP 4: Pipelayer, Miner and Laser Operator

LABO0113-008 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel-Free Air)		
Group 1	$ 24.81	22.75
Group 2	$ 34.78	22.75
Group 3	$ 34.84	22.75
Group 4	$ 38.88	22.75
Group 5	$ 39.02	22.75
Group 6	$ 41.83	22.75
Group 7	$ 42.50	22.75

LABORERS CLASSIFICATIONS [TUNNEL - FREE AIR]:

GROUP 1: Flagperson

GROUP 2: General Laborer on surface; Tower Man

GROUP 3: Saw Man; Top Man

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey; Welder (rate on surface)

GROUP 6: Concrete Manhole Builder; Mucking Machine; Miner; Mining Machine; Welder; Rock Driller; Concrete Buster; Jack Hammer Operator; Caisson Worker; Pipelayer and Joint Man; Bracerman

GROUP 7: Blaster

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* LABO0113-009 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel - *COMPRESSED AIR 0 - 15 lbs.)		
Group 1	$ 24.81	22.75
Group 2	$ 34.78	22.75
Group 3	$ 39.44	22.75
Group 4	$ 40.28	22.75
Group 5	$ 40.41	22.75
Group 6	$ 43.24	22.75
Group 7	$ 43.89	22.75

LABORERS CLASSIFICATIONS [TUNNEL - COMPRESSED AIR]:

*Compressed Air 15 - 30 lbs add $2.00 to all classifications
*Compressed Air over 30 lbs add $3.00 to all classifcations

GROUP 1: Flagperson

GROUP 2: General Laborer on surface

GROUP 3: Lock Tender on surface

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey

  GROUP 6: Mucking Machine; Miner; Mining Machine; Welder & Rock Driller; Lock Tender in tunnel; Concrete Buster; Jack Hammer Operator; Caisson Worker; Pielayer and Joint Man; Bracerman; Nozzle Man on Gunite; Timber Man; Concrete Brusher

GROUP 7: Blaster

NOTE: Hazardous & Toxic Waste Removal: add $0.15 per hour.

LABO0140-005 06/05/2023

ADAMS, ASHLAND, BARRON, BROWN, BUFFALO, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE,FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, JACKSON, JEFFERSON, JUNEAU, KEWAUNEE, LACROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, ST CROIX, SAUK, SAWYER, SHAWANO, SHEBOYGAN, TAYLOR, TREMMPEALEAU, VERNON, VILAS, WALWWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER (SEWER & WATER)		
Group 1	$ 33.88	19.25
Group 2	$ 35.73	19.25
Group 3	$ 35.93	19.25
Group 4	$ 36.68	19.25

  FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add $1.00, 15-30 lbs add $2.00, over 30 lbs add $3.00

LABORER CLASSIFICATIONS:

GROUP 1: Flagperson

  GROUP 2: General Laborer, Wellpoint Installation; Form Stripper; Strike Off worker

  GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

LABO0464-002 06/05/2023

DANE AND DOUGLAS COUNTIES

	Rates	Fringes

LABORER

Group 1	$ 33.78	19.25
Group 2	$ 35.98	19.25
Group 3	$ 36.18	19.25
Group 4	$ 36.93	19.25

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0 - 15 lbs add $1.00, 15- 30 lbs add $2.00, over 30 lbs add $3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer; Wellpoint Installation; Concrete Worker; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Dirvers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

LABO1091-010 06/05/2023

BAYFIELD, BURNETT, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
Laborers: (SEWER & WATER)		
Group 1	$ 33.57	19.25
Group 2	$ 35.63	19.25
Group 3	$ 35.83	19.25
Group 4	$ 36.58	19.25

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR:
0 - 15 lbs add $1.00, 15-30 lbs add $2.00, over 30 lbs add $3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: Laborers, Wellpoint Installation; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Dirvers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

PLAS0599-002 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area A	$ 45.17	27.27
Area B	$ 39.97	25.02
Area C	$ 40.40	25.25
Area D	$ 41.16	24.49
Area E	$ 40.50	25.14
Area F	$ 36.98	28.67

AREA DESCRIPTIONS

AREA A: ASHLAND, BURNETT, BAYFIELD, DOUGLAS, IRON, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA B: ADAMS, BARRON, BROWN, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST. CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA C: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE, MONROE, PEPIN, PIERCE, RICHLAND, TREMPEALEAU, AND VERNON COUNTIES

AREA D: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA E: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA F: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2023

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles	$ 35.57	26.09
3 or more Axles; Euclids, Dumptor & Articulated, Truck Mechanic	$ 35.72	26.09

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is

like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative

Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

"General Decision Number: WI20240015 02/02/2024

Superseded General Decision Number: WI20230015

State: Wisconsin

Construction Type: Heavy

Counties: Wisconsin Statewide.

HEAVY CONSTRUCTION PROJECTS (Excluding Tunnel, Sewer, and Water Lines).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $17.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2024.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/05/2024
1	01/26/2024

BOIL0107-001 01/01/2021

	Rates	Fringes
BOILERMAKER		
Boilermaker	$ 39.52	31.50
Small Boiler Repair (under 25,000 lbs/hr)	$ 26.91	16.00

BRWI0001-002 06/01/2023

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.18	25.88

BRWI0002-002 06/01/2023

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER	$ 47.10	25.16

BRWI0002-005 06/01/2023

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 39.97	25.02

BRWI0003-002 06/01/2023

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.00	26.06

BRWI0004-002 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER	$ 44.50	26.96

BRWI0006-002 06/01/2023

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.08	25.98

BRWI0007-002 06/01/2023

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.95	26.80

BRWI0008-002 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER	$ 44.96	25.67

BRWI0009-001 06/01/2023

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.00	26.06

BRWI0011-002 06/01/2023

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.00	26.06

BRWI0013-002 06/01/2023

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER	$ 41.56	26.19

BRWI0019-002 06/01/2023

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER	$ 39.32	26.74

BRWI0021-002 06/01/2023

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER	$ 40.49	27.24

BRWI0034-002 06/01/2023

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER	$ 41.56	26.19

CARP0068-011 05/02/2022

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

	Rates	Fringes
Carpenter & Piledrivermen	$ 41.19	27.05

CARP0264-003 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER	$ 41.91	29.72

CARP0310-002 06/05/2023

Ashland, Bayfield, Forest, Iron, Langlade, Lincoln, Marathon, Oneida, Shawano, Taylor and Vilas

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0314-001 06/05/2023

Columbia, Dane, Dodge, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk and Walworth

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER	$ 36.15	20.43

CARP0731-002 06/05/2023

Calumet (Eastern portion of the County), Fond Du Lac, Manitowoc and Sheboygan

	Rates	Fringes

CARPENTER.....$ 38.86 27.06
Piledriver.....$ 39.43 27.02

CARP0804-001 06/05/2023

Adams, Juneau, Portage and Wood

	Rates	Fringes
CARPENTER	$ 38.86	27.06
Piledriver	$ 39.43	27.02

* CARP0955-002 06/05/2023

Calumet (western portion of County), Fond Du Lac, Green Lake, Marquette, Outagamie, Waupaca, and Winnebago

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1056-002 06/01/2023

	Rates	Fringes
MILLWRIGHT	$ 40.00	27.77

CARP1074-002 06/05/2023

Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pepin, Pierce, Polk, Rusk, Sawyer, St. Croix and Washburn

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1143-002 06/05/2023

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPEALEAU AND VERNON COUNTIES

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP1146-002 06/05/2023

Brown, Door, Florence, Kewaunee, Marinette, Menominee and Shawano

	Rates	Fringes
CARPENTER	$ 38.86	27.06
PILEDRIVER	$ 39.43	27.02

CARP2337-009 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
PILEDRIVERMAN	$ 39.22	34.01

CARP2337-010 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
MILLWRIGHT	$ 39.31	32.21

ELEC0014-002 11/26/2023

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Maryville, Colby, Unity, Sherman, Fremont, Lynn & Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST CROIX, SAWYER, TAYLOR, TREMPEALEAU, VERNON, AND WASHBURN COUNTIES

	Rates	Fringes
Electricians:	$ 41.32	22.91

ELEC0014-007 05/28/2023

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician	$ 29.82	17.70

Low voltage construction, installation, maintenance and removal of teledata facilities (voice, data, and video) including outside plant, telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated systems digital network).

ELEC0127-002 06/01/2023

KENOSHA COUNTY

	Rates	Fringes
Electricians:	$ 46.05	30%+13.15

ELEC0158-002 05/30/2021

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE(Wausuakee and area South thereof), OCONTO, MENOMINEE (East of a ine 6 miles West of the West boundary of Oconto County), SHAWANO (Except Area North of Townships of Aniwa and Hutchins) COUNTIES

	Rates	Fringes

ELECTRICIAN.....$ 36.14 29.75%+10.26

ELEC0159-003 05/30/2021

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and Emmet Townships), GREEN, LAKE (except Townships of Berlin, Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK COUNTIES

	Rates	Fringes
ELECTRICIAN.....	$ 43.38	23.13

ELEC0219-004 06/01/2019

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern, Florence and Homestead) AND MARINETTE COUNTY (Township of Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over $180,000.....	$ 33.94	21.80
Electrical contracts under $180,000.....	$ 31.75	21.73

ELEC0242-005 05/30/2021

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	$ 41.37	69.25%

ELEC0388-002 06/01/2023

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:.....	$ 38.74	26%+11.76

ELEC0430-002 06/01/2023

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	$ 46.70	25.02

ELEC0494-005 05/28/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes

Electricians:.....$ 47.75 26.72

ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	$ 37.91	22.74

ELEC0494-013 05/28/2023

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupuin), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	$ 34.65	18.36
Technician.....	$ 34.65	18.36

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillion, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

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ELEC0577-003 06/01/2022

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:.....	$ 37.41	29.50%+10.00

ELEC0890-003 06/01/2022

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:	$ 40.70	25.95%+11.26

ELEC0953-001 06/02/2019

	Rates	Fringes
Line Construction:		
(1) Lineman	$ 47.53	21.43
(2) Heavy Equipment Operator	$ 42.78	19.80
(3) Equipment Operator	$ 38.02	18.40
(4) Heavy Groundman Driver	$ 33.27	16.88
(5) Light Groundman Driver	$ 30.89	16.11
(6) Groundsman	$ 26.14	14.60

ENGI0139-001 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1	$ 50.21	24.05
Group 2	$ 49.71	24.05
Group 3	$ 49.21	24.05
Group 4	$ 48.37	24.05
Group 5	$ 44.39	24.05
Group 6	$ 39.24	24.05

HAZARDOUS WASTE PREMIUMS:
EPA Level ""A"" Protection: $3.00 per hour
EPA Level ""B"" Protection: $2.00 per hour
EPA Level ""C"" Protection: $1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or w/o attachments with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Self-Erecting Tower Cranes over 4000 lbs lifting capacity; All Cranes with Boom Dollies; Boring Machines (directional); Master Mechanic. $0.50 additional per hour per 100 tons or 100 ft of boom over 200 ft or lifting capacity of crane over 200 tons to a maximum of 300 tons or 300 ft. Thereafter an increase of $0.01 per ft or ton, whichever is greater.

GROUP 2: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; or Cranes, Tower Cranes Portable Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leadsand/or jib lengths measuring 175 feet or less; Backhoes (excavators) 130,000 lbs and over; Caisson Rigs; Pile Drivers; Boring Machines (vertical or horizontal), Versi-Lift, Tri-Lift, Gantry 20,000 lbs & over.

GROUP 3: Backhoe (excavator) under 130,000 lbs;Self-erecting Tower Crane 4000 lbs & under lifting capacity;Traveling Crane (bridge type); Skid Rigs; Dredge Operator; Mechanic;

Concrete Paver (over 27E); Concrete Spreader and Distributor; Forklift/ Telehandler (machinery- moving / steel erection); Hydro Blaster, 10,000 psi and over

GROUP 4: Material Hoists; Stack Hoists; Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 5 tons or under (tractor or truck mounted); Hoist (tuggers 5 tons & over); Hydro-Excavators/Daylighters; Concrete Pumps Rotec type Conveyors; Tractor/Bulldozer/End Loader (over 40 hp); Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Rotary Drill Operator and Blaster; Percussion Drill Operator; Air Track Drill and/or Hammers; Gantrys (under 20,000 lbs); Tencher (wheel type or chain type having 8 inch or larger bucket); Milling Machine; Off-Road Material Haulers.

GROUP 5: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machines (road type); Rubber Tired Roller; Concrete Batch Hopper; Concrete Conveyor Systems; Grout Pumps; Concrete Mixers (14S or over); Screw Type Pumps and Gypsum Pumps; Tractor, Bulldozer, End Loader (under 40 hp); Trencher (chain type, bucket under 8 inch); Industrial Locomotives; Rollers under 5 tons; Stump Grinder/Chipper (Large); Timber Equipment; Firemen (pile drivers and derricks); Personnel Hoist, Telehandler over 8000 lbs; Robotic Tool Carrier with or without attachments

GROUP 6: Tampers - Compactors (riding type); Assistant Engineer; A-Frames and Winch Trucks; Concrete Auto Breaker; Hydrohammers (small); Brooms and Sweepers; Hoist (tuggers under 5 tons); Boats (Tug, Safety, Work Barges, Launch); Shouldering Machine Operator; Prestress Machines; Screed Operator; Stone Crushers and Screening Plants; Screed Operators (milling machine), Farm or Industrial Tractor Mounted Equipment; Post Hole Digger; Fireman (asphalt plants); Air Compressors over 400 CFM; Generators, over 150 KW; Augers (vertical and horizontal); Air, Electric, Hydraulic Jacks (slipform); Skid Steer Loaders (with or without attachments); Boiler Operators (temporary heat); Refrigeration Plant/Freeze Machines; Power Pack Vibratory/Ultra Sound Drivers and Extractors; Welding Machines; Heaters (mechanical); Pumps; Winches (small electric); Oiler and Greaser; Rotary Drill Tender; Conveyor; Forklifts/Telehandler 8000 lbs & under; Elevators: Automatic Hoists; Pumps (well points); Combination Small Equipment Operators

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ENGI0139-003 06/05/2023

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1	$ 47.53	25.89
Group 2	$ 46.28	25.89
Group 3	$ 43.23	25.89
Group 4	$ 42.70	25.89
Group 5	$ 40.63	25.89
Group 6	$ 39.10	25.89

HAZARDOUS WASTE PREMIUMS:

EPA Level ""A"" Protection: $3.00 per hour
EPA Level ""B"" Protection: $2.00 per hour
EPA Level ""C"" Protection: $1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of over 100 tons; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,00 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweeeprs; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without attachments; Power Pack Vibratory/Ultra Sound Driver and Extractor; Fireman (Asphalt Plants); Screed Operator; Stone Crushers and Screening Plants; Air, Electric, Hydraulic Jacks (Slip Form); Prestress Machines; Air Compressor, 400 CFM or over; Refrigeration Plant/Freese Machine; Boiler Operators (temporary heat); Forklifts; Welding Machines; Generators; Pumps over 3""; Heaters, Mechanical; Combination small equipment operator; Winches, small electric; Oiler;

Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

IRON0008-002 06/01/2023

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER	$ 43.40	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER	$ 41.73	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2023

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER	$ 41.00	30.13

IRON0512-008 04/30/2023

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPEALEAU COUNTIES

	Rates	Fringes
IRONWORKER	$ 43.00	34.11

IRON0512-021 04/30/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes

IRONWORKER.....................$ 39.14   34.00

LABO0113-002 06/01/2023

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 33.56	23.86
Group 2	$ 33.71	23.86
Group 3	$ 33.91	23.86
Group 4	$ 34.06	23.86
Group 5	$ 34.21	23.86
Group 6	$ 30.05	23.86

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LABO0113-003 06/01/2023

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 32.81	23.86
Group 2	$ 32.91	23.86
Group 3	$ 32.96	23.86
Group 4	$ 33.16	23.86
Group 5	$ 33.01	23.86
Group 6	$ 29.90	23.86

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

LABO0113-011 06/01/2023

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 32.62	23.86
Group 2	$ 32.77	23.86
Group 3	$ 32.97	23.86
Group 4	$ 32.94	23.86
Group 5	$ 33.27	23.86
Group 6	$ 29.76	23.86

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

LABO0140-002 06/01/2023

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPEALEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1	$ 37.57	19.25
Group 2	$ 37.67	19.25
Group 3	$ 37.72	19.25
Group 4	$ 37.92	19.25
Group 5	$ 37.77	19.25
Group 6	$ 34.20	19.25

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bitminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Secialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LABO0464-003 06/01/2023

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1	$ 37.85	19.25
Group 2	$ 37.95	19.25
Group 3	$ 38.00	19.25
Group 4	$ 38.20	19.25
Group 5	$ 38.05	19.25
Group 6	$ 34.20	19.25

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminious Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

PAIN0106-008 05/01/2023

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller	$ 34.59	24.84
Spray, Sandblast, Steel	$ 35.19	24.84
Repaint:		
Brush, Roller	$ 33.09	24.84
Spray, Sandblast, Steel	$ 33.69	24.84

PAIN0108-002 06/01/2023

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller	$ 41.04	21.95
Spray & Sandblast	$ 42.04	21.95

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, SAWYER, ST. CROIX, AND WASHBURN COUNTIES

	Rates	Fringes
PAINTER	$ 24.11	12.15

PAIN0259-004 05/01/2015

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
PAINTER	$ 22.03	12.45

PAIN0781-002 06/01/2023

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge	$ 39.84	24.86
Brush	$ 39.09	24.86
Spray & Sandblast	$ 39.84	24.86

PAIN0802-002 06/01/2023

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND, ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush	$ 35.00	20.62

PREMIUM PAY:
Structural Steel, Spray, Bridges = $1.00 additional per hour.

PAIN0802-003 06/01/2023

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER	$ 35.00	20.62

PAIN0934-001 06/01/2022

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush	$ 36.70	24.69
Spray	$ 37.70	24.69
Structural Steel	$ 36.85	24.69

PAIN1011-002 06/06/2021

FLORENCE COUNTY

	Rates	Fringes
Painters:	$ 26.71	14.38

PLAS0599-002 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area A	$ 45.17	27.27
Area B	$ 39.97	25.02
Area C	$ 40.40	25.25
Area D	$ 41.16	24.49
Area E	$ 40.50	25.14
Area F	$ 36.98	28.67

AREA DESCRIPTIONS

AREA A: ASHLAND, BURNETT, BAYFIELD, DOUGLAS, IRON, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA B: ADAMS, BARRON, BROWN, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST. CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA C: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE, MONROE, PEPIN, PIERCE, RICHLAND, TREMPEALEAU, AND VERNON COUNTIES

AREA D: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA E: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA F: KENOSHA AND RACINE COUNTIES

PLUM0011-003 05/01/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
PLUMBER	$ 47.52	25.78

PLUM0075-002 06/01/2016

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
PLUMBER	$ 40.27	21.47

PLUM0075-004 06/01/2016

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
PLUMBER	$ 40.52	21.47

PLUM0075-009 06/01/2016

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

	Rates	Fringes
PLUMBER	$ 38.82	20.12

PLUM0111-007 05/28/2018

MARINETTE COUNTY (Niagara only)

	Rates	Fringes
PLUMBER/PIPEFITTER	$ 33.33	24.48

PLUM0118-002 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
Plumber and Steamfitter.....	$ 50.50	25.47

PLUM0400-003 05/29/2023

ADAMS,BROWN, CALUMET, DODGE (except Watertown), DOOR, FOND DU LAC, GREEN LAKE,KEWAUNEE, MANITOWOC, MARINETTE (except Niagara), MENOMINEE, OCONTO, OUTAGAMIE, SHAWANO, SHEBOYGAN, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	$ 49.85	20.94

PLUM0434-002 05/28/2023

BARON, BUFFALO, CHIPPEWA, CLARK, CRAWFORD, DUNN, EAU CLAIRE, FLORENCE, FOREST, GRANT, JACKSON, JUNEAU, LA CROSSE, LANGLADE, LINCOLN, MARATHON, MONROE, ONEIDA, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RUSK, ST. CROIX, TAYLOR, TREMPEALEAU, VERNON, VILAS, AND WOOD COUNTIES

	Rates	Fringes
PIPEFITTER.....	$ 46.89	22.73

PLUM0601-003 06/01/2022

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, MILWAUKEE, OZAUKEE, ROCK, WASHINGTON AND WAUKESHA COUNTIES

	Rates	Fringes
PIPEFITTER.....	$ 50.00	28.93

PLUM0601-009 06/01/2022

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

	Rates	Fringes
PIPEFITTER.....	$ 52.06	26.86

TEAM0039-002 06/01/2023

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axle Trucks.....	$ 35.57	26.09
3 or more axles; Euclids or Dumptor, Articulated Truck, Mechanic.....	$ 35.72	26.09

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* SUWI2011-001 11/16/2011

	Rates	Fringes
WELL DRILLER.....	$ 16.52 **	

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 ($17.20) or 13658 ($12.90). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing

the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described

in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

January 29, 2024

NOTICE TO ALL CONTRACTORS:

Proposal #18:

1130-64-76, WISC 2024306
Appleton – De Pere
Northland/STH 15 Intchg B440315/16
IH 041
Outagamie County

1130-64-81, WISC 2024229
Appleton – De Pere
Capitol Drive Overpass B440317
IH 041
Outagamie County

Letting of February 13, 2024

This is Addendum No. 01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
2.2	Prosecution and Progress

Deleted Special Provisions	
Article No.	Description
4.6	Hauling Restrictions

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

1130-64-76 and 1130-64-81

January 29, 2024

Special Provisions

2.2 Prosecution and Progress

Replace entire section titled **Interim Completion and Liquidated Damages for IH 41 Temporary Widening** *with the following:*

Interim Completion and Liquidated Damages – Stage 2 IH 41 Temporary Widening: November 1, 2024

Complete all work required to complete the Stage 2 temporary widening along IH 41 by November 1, 2024. Work completed includes finished asphalt paving, pavement markings, temporary concrete barrier, traffic control devices and all other incidental items required to complete the widening.

If the contractor fails to complete the work necessary to complete the Stage 2 temporary widening by November 1, 2024, the department will assess the contractor $10,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on November 1, 2024. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

4.6 DELETED.

END OF ADDENDUM

Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

February 5, 2024

NOTICE TO ALL CONTRACTORS:

Proposal #18:

1130-64-76, WISC 2024306
Appleton – De Pere
Northland/STH 15 Intchg B440315/16
IH 041
Outagamie County

1130-64-81, WISC 2024229
Appleton – De Pere
Capitol Drive Overpass B440317
IH 041
Outagamie County

Letting of February 13, 2024

This is Addendum No. 02, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
1.7	Work by Others
2.1	Prosecution and Progress
4.5	Holiday and Special Event Work Restrictions
5.3	Adjusting Water Valve Boxes, Item SPV.0060.1201
11.4	HPC Masonry Structures, Item SPV.0035.0800

Added Special Provisions	
Article No.	Description
1.9	Notice to Contractor – Safety and Personnel Identification Program
10.4	HMA Longitudinal Joint Repair, Item SPV.0090.0155
13.22	Stone Ditch Check, Item 628.7515.S

Deleted Special Provisions	
Article No.	Description
10.2	HMA Longitudinal Joint Repair, Item SPV.0195.0100
10.3	HMA Transverse Joint Repair, Item SPV.0195.0105

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
310.0115	Base Aggregate Open-Graded	CY	740	-560	180
405.0200	Coloring Concrete Custom	CY	285	95	380
606.0200	Riprap Medium	CY	264	78	342
606.0300	Riprap Heavy	CY	250	30	280
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	809	-410	399
628.1504	Silt Fence	LF	6,550	7,290	13,290
628.1520	Silt Fence Maintenance	LF	63,770	71,300	131,170
628.2002	Erosion Mat Class 1 Type A	SY	142,600	22,100	164,700
628.7005	Inlet Protection Type A	EACH	94	29	123
628.7015	Inlet Protection Type C	EACH	88	29	117
628.7504	Temporary Ditch Checks	LF	712	90	802
628.7555	Culvert Pipe Checks	EACH	33	5	38
628.7570	Rock Bags	EACH	33	5	38
629.0210	Fertilizer Type B	CWT	11	1	12
630.0130	Seeding Mixture No. 30	LB	6,950	800	7,750
630.0500	Seed Water	MGAL	4,260	500	4,760
645.0120	Geotextile Type HR	SY	28,550	360	28,910
652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	30	120	150

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Quantity Added	Proposal Total After Addendum
608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	0	410	410
628.7515.S	Stone Ditch Checks	CY	0	90	90
645.0130	Geotextile Type R	SY	0	300	300
SPV.0090.0155	HMA Longitudinal Joint Repair	LF	0	1,500	1,500
SPV.0090.0500	Liquid Tight Flexible Nonmetallic Conduit 2-Inch	LF	0	120	120

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
405.0100	Coloring Concrete WisDOT Red	CY	95	-95	0
SPV.0195.0100	HMA Longitudinal Joint Repair	TON	50	-50	0
SPV.0195.0105	HMA Transverse Joint Repair	TON	25	-25	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
2	Updated Utility Contacts, State Agencies, and Other Agencies.

40	Updated limits of riprap in Riprap and Geotextile Fabric Detail at Apron Endwalls.
58	Changed WisDOT Red to Custom.
86	Plan Details Legend – Removed Coloring Concrete WisDOT Red.
95	Removed unnecessary callouts.
108	Updated crosswalk color bid item callout to Coloring Concrete (Custom).
117	Updated crosswalk color bid item callout to Coloring Concrete (Custom).
119	Updated crosswalk color bid item callout to Coloring Concrete (Custom).
120	Updated crosswalk color bid item callout to Coloring Concrete (Custom).
124	Updated crosswalk color bid item callout to Coloring Concrete (Custom).
125	Updated crosswalk color bid item callout to Coloring Concrete (Custom).
126	Updated crosswalk color bid item callout to Coloring Concrete (Custom).
203	Added Stone Ditch Check to Erosion Control Legend.
204	Updated proposed pavement linework to gray for clarity.
205	Updated proposed pavement linework to gray for clarity. Added stone ditch checks.
206-212	Updated proposed pavement linework to gray for clarity.
213-222	Updated proposed pavement linework to gray for clarity. Updated silt fence, temporary ditch checks and/or added stone ditch check.
227	Added STH 15 ramp D ditch grading note
237-238	Adjusted coordinates, rim elevations, and structure depth of 6472-S2.
237	Adjusted inlet coordinates of pipe between inlets 6472-S2 and 6473-S2.
240-241	Converted multiple SSRCP Class III 18-Inch pipes to Class III-A
270	Updated Lighting Plans – Bridge Abutment Conduit Detail.
427	Removed superelevation data for Ramp NLC.
455-456	Updated quantities for bid items: Riprap Medium, Riprap Heavy, Geotextile Type HR.
459-463	Updated quantities for erosion control bid items
464	Updated quantities for bid items: Fertilizer Type B, Seeding Mixture No. 30, Seed Water.
473	Updated quantities for bid item: Base Aggregate Open-Graded.
474	Removed quantities for bid item: Coloring Concrete WisDOT Red.
476	Updates to pavement repair bid items.
479-480	Updated quantities for bid item: Coloring Concrete Custom.
506-507	Adjusted coordinates, rim elevations, and structure depth of 6472-S2 in Structure qty sheet.
512-513	Fixed typo for pipe 6479-S2 to 6477-S2 inlet elevation.
550-551	Updated quantities for lighting bid items.
561	Updated quantities for bid items: Riprap Medium, Geotextile Type HR, Silt Fence, Silt Fence Maintenance.
573	Updated quantities for bid item: Base Aggregate Open-Graded.
587	Converted multiple SSRCP Class III 18-Inch pipes to Class IIIA

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
40A	Added Stone Ditch Check construction details
520A-B	Added misc. qty. sheets for item 611.8110 Adjusting Manhole Covers

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 02

1130-64-76 and 1130-64-81

February 5, 2024

Special Provisions

1.7 Work by Others.

Delete the last five paragraphs.

1.9 Notice to Contractor – Safety and Personnel Identification Program.

All workers shall wear OSHA and ANSI compliant safety head protection, safety glasses, safety-toe protective footwear, and safety vest at all times while within the project footprint.

The contractor and respective subcontractors shall provide a copy of their current Company Safety Plans to the department at the preconstruction meeting. All workers shall comply with the Safety Plans of their employer.

All contractor personnel will be required to register in the program prior to performing work. Valid photo identification which includes unexpired driver's license, government issued identification cards, military identification, passport, or other identification approved by the department will be required to register. All personnel registered will be issued a hard hat sticker with an identification number by the department. Stickers shall be placed in a visible location on the hard hat. Register at the IH 41 corridor field office during normal business hours.

Noncompliance with this contract provision may result in removal of contractor personnel from the project or suspension of work according to standard spec 108.6 applicable under the contract.

ner41-108 (12052023)

2.1 Prosecution and Progress.

Replace entire section titled **Northern Long-eared Bat (*Myotis septentrionalis*)** *section with the following:*

Northern Long-eared Bat (Myotis septentrionalis)

Northern long-eared bats (NLEB) have the potential to inhabit the project limits because they roost in trees, bridges and culverts. Roosts may not have been observed on this project, but conditions to support the species exist. The species and all active roosts are protected by the federal Endangered Species Act. If an individual bat or active roost is encountered during construction operations, stop work, and notify the engineer and the WisDOT Region Environmental Coordinator (REC).

Ensure all operators, employees, and subcontractors working in areas of known or presumed bat habitat are aware of environmental commitments and avoidance and minimization measures (AMMs) to protect both bats and their habitat.

Avoidance and Minimization Measures (AMMs) for Northern Long Eared Bat (NLEB) and Tri Colored Bat (TCB) include:

<u>General AMM</u>

1. Ensure all operators, employees, and contractors working in areas of known or presumed bat habitat are aware of all FHWA and WisDOT environmental commitments, including all applicable AMMs.

<u>Lighting AMM</u>

1. Direct temporary lighting away from suitable habitat during the active season.

<u>Tree Removal AMM</u>

1. Apply time of year restrictions for tree removal, November 1 to March 31 of the calendar year.

2. Ensure tree removal is limited to that specified in Project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits).

Bridge AMM

1. If bridge assessment or P/A surveys suggest presence of a small number of bats (<5 – not a colony), and work is conducted during the active season, the following types of bridge work can generally be conducted with the presence of bats:
    a. Above deck work where construction equipment or materials do not extend to the underside of deck where bats may be located (e.g., materials that may drip down to underside of deck) and does not include percussives (vibration) or noise levels above general traffic (e.g., road line painting, wing-wall work). Below deck work that is conducted away from roosting bats and does not involve percussives or noise level above general traffic (e.g., wing-wall work, some abutment, beam end, scour, or pier repair).
    b. Any other bridge repair, retrofit, maintenance, and/or rehabilitation (which may include activities with percussives) conducted in the evening while the bats are feeding, starting one hour after sunset, and ending one hour before daylight excluding the hours between 10 p.m. and midnight and keep the light localized.

Reasonable and Prudent Measures (RPMs) the following RPMs are necessary and appropriate to minimize impacts of incidental take of bats:

1. WisDOT will ensure that all of the AMMs are implemented.
    a. Notify contractors and construction staff of conservation measures and ensure compliance with these measures.
    b. Bridge/culvert surveys for bats will be conducted by the department a minimum of 24 months before construction activities begin. Construction activities should not begin until after appropriate agencies have been notified of survey results (if not already on-site during the survey).
    c. Only individuals with authorization to capture bats will capture and handle bats.
    d. If any AMMs cannot be implemented or require modification, contact the engineer and REC for further discussion before proceeding with work.
2. WisDOT and its contractors will ensure that appropriate agencies are notified of construction initiation and completion dates, as well as any unforeseen circumstances.
    a. Notify WisDOT REC Mae Sommerfeld via email (Mae.Sommerfeld@wi.dot.gov) or current REC when construction is expected to begin.
    b. Provide contact information for WisDOT REC Mae Sommerfeld or current REC to appropriate on-site staff so WisDOT can immediately notify agencies of any unforeseen or emergency circumstances or request clarification regarding conservation measures or terms and conditions.
    c. Notify WisDOT Regional Environmental Coordinator Mae Sommerfeld via email (Mae.Sommerfeld@wi.dot.gov) or current REC when construction is complete.

Should a dead or injured bat be found during project activities; all contractors will ensure that construction activities cease immediately and that the WisDOT project manager is notified.

1. Cease all construction activities if a dead or injured bat is found during project activities and immediately notify the WisDOT project manager and WisDOT REC Mae Sommerfeld via email (Mae.Sommerfeld@wi.dot.gov) or current REC.
2. Contactors should be aware that if dead or injured bats are found additional conservation measures to prevent additional injury or mortality throughout the remaining project activities may be required on a project specific basis.

4.5 Holiday and Special Event Work Restrictions.

Replace paragraph five wiith the following:

These restrictions apply to the following holidays:

- From noon Friday, May 24th, 2024, to 6:00 AM Tuesday, May 28th, 2024
- From noon Wednesday, July 3rd, 2024, to 6:00 AM Monday, July 8th, 2024
- From noon Friday, August 30th, 2024, to 6:00 AM Tuesday, September 3rd, 2024
- From noon Friday, November 22nd, 2024, to 6:00 AM Monday, November 25th, 2024
- From noon Wednesday, November 27th, 2024, to 6:00 AM Monday, December 2nd, 2024
- From noon Tuesday, December 24th, 2024, to 6:00 AM Thursday, December 26th, 2024
- From noon Tuesday December 31st, 2024, to 6:00 AM Thursday January 2nd, 2025
- From noon Friday, May 23rd, 2025, to 6:00 AM Tuesday, May 27th, 2025
- From noon Thursday, July 3rd, 2025, to 6:00 AM Monday, July 7th, 2025
- From noon Friday, August 29th, 2025, to 6:00 AM Tuesday, September 2nd, 2025

5.3 Adjusting Water Valve Boxes, Item SPV.0060.1201

Replace entire section titled **B Materials** *with the following:*

B Materials

Utilize existing valve boxes where the required extent of adjustment allows. If additional sections are necessary, coordinate with Grand Chute Sanitary District 1 to obtain required materials.

10.4 HMA Longitudinal Joint Repair, Item SPV.0090.0155

A Description

This special provision describes providing longitudinal joint repairs in HMA pavements. Conform to standard spec 204, 315, 455, and 460, and as follows.

B Materials

Furnish asphaltic surface per standard spec 465 as specified for type 4 MT 58-28 S under standard spec 460.2

Provide tack coat conforming to standard spec 455.2.5.

C Construction

C.1 General

Conform to standard spec 315.3.1 for placement of the HMA pavement.

Work to repair longitudinal joints shall begin and be completed during the same engineer approved off-peak lane closure period.

Mill an area 2 feet wide and at least 2 inches deep along existing joint lines as shown in the plans; the engineer will determine the final repair length. Ensure any loose asphalt is removed prior to paving.

Clean the existing milled surface before placing tack coat. Dispose of removed pavement and other waste materials outside of the project limits unless the engineer allows otherwise.

D Measurement

The department will measure HMA Longitudinal Joint Repair by the linear foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.0100	HMA Longitudinal Joint Repair	LF

Payment is full compensation for providing the joint repair including removing the existing asphaltic surface; for tack coat and asphaltic pavement mixture. The department will pay for any additional traffic control measures, if required, under the respective traffic control items in the contract.

11.4 HPC Masonry Structures, Item SPV.0035.0800

Replace entire article language with the following:

A Description

This special provision describes specialized material and construction requirements for high-performance concrete used in bridge structures. Conform to standard spec 501, 502 and 509, as modified in this special provision. Conform to standard spec 715 for QMP Concrete Pavement, Cast-in-Place Barrier and Structures.

B Materials

501.2.7.3 Coarse Aggregates

501.2.7.3.1 General

Replace the entire text of 501.2.7.3.1 with the following:

(1) Provide coarse aggregates from a department-approved source. Use an approved source listed on the APL or follow the source approval process specified in standard spec 106.3.4.2. In addition to the requirements of standard spec 106.3.4.2, perform tests for LA wear, sodium sulfate soundness, freeze-thaw soundness and lightweight pieces at least once per calendar year when producing coarse aggregates for use in high-performance concrete mixes.

(2) Use clean, hard, durable crushed limestone or crushed gravel free of excess flat and elongated pieces, lightweight particles, frozen lumps, vegetation, deleterious substances or adherent coatings considered injurious.

(3) Use virgin aggregates only.

(4) Contact the engineer a minimum of 6 weeks prior to placement to collect a sample of the concrete aggregates proposed for the project. The engineer will obtain the sample or observe the contractor obtaining the sample. The sampler must be HTCP certified to sample aggregates.

(5) The department test results will be used for aggregate acceptance.

(6) The department will randomly sample coarse aggregate for lightweight pieces testing at least once per 10,000 cubic yards during placement of concrete masonry structures.

501.2.7.3.2 Physical Properties

Replace 501.2.7.3.2 paragraph one with the following:

(1) Furnish coarse aggregates approved for use in concrete masonry structures and conforming to the following:

Aggregate Quality Test	Test Method	Maximum Percent by Weight
LA Wear (100 and 500 revolutions) [1]	WTM T96	30
Sodium Sulfate Soundness (R-4, 5 cycles) [1]	WTM T104	6
Freeze-Thaw Soundness[1]	WTM T103	12
Lightweight Pieces[1] [2]	WTM T113	2.0

[1] Coarse aggregate sizes used in the Portland Cement Concrete mixture design (DT2221 Concrete Mixture Design – Optimized Aggregate Gradation) will be tested individually and the results weighted by the blend percentage listed in the mix design. Do not consider fine aggregate percentage as part of the weighted result.

[2] Material having a bulk specific gravity (saturated surface-dry basis) of less than 2.45. Determine the percentage of lightweight pieces in the sample retained on the 3/8-inch sieve by the weight of the total sample.

501.2.7.3.3 Deleterious Substances

Replace 501.2.7.3.3 paragraph one with the following:

(1) The quantity of deleterious substances must not exceed the following percentages:

Deleterious Substance	Test Method	Maximum Percent by Weight
Coal, clay lumps, shale, and other deleterious substance	Visual	3.0
Flat or elongated pieces based on a 3:1 ratio[1]	WTM D4791	15.0
Materials passing the No. 200 sieve	WTM T11	1.5

501.2.8 Concrete Curing Materials

Replace entire text with the following:

(1) Furnish burlap conforming to AASHTO M 182, class 1, 2, 3 or 4.

710.5 Sampling and Testing

Supplement 710.5 with the following:

710.5.8 Chloride Penetration Resistance

(1) For each new or changed mix design, measure chloride penetration resistance according to AASHTO T277 at a frequency of 1 test per 3 months (quarterly) of production.

(2) Strip permeability samples from molds and wet cure according to AASHTO T277 Accelerated Moist Curing. Upon completion of the curing process, obtain one sample from each cylinder and test according to AASHTO T277.

(3) Ensure that the initial accepted mix designs meet the chloride penetration resistance limit of 1500 coulombs based on AASHTO T277. Quarterly chloride resistance test results exceeding 1500 coulombs, the department will require adjustment of the concrete mix going forward to improve the chloride penetration resistance.

715.2.2 Class I Concrete Mixes

715.2.2.2 Structures

Supplement 715.2.2.2 with the following:

(5) Provide a mix design using optimized aggregate gradation and a cementitious content within the range of 470 to 540 pounds per cubic yard. For all superstructure and substructure concrete, unless the engineer approves otherwise in writing, concrete mixtures must use an IL, IP, IS, or IT blended cement.

(6) In addition to the standard spec mix design laboratory trial batching for structures, include the results of the following tests:

1. AASHTO T119 Slump of Hydraulic Cement Concrete.
2. AASHTO T277 Rapid Determination of the Chloride Permeability of Concrete, using the modified curing procedure according to 710.5.8 in this special provision.

(7) Provide concrete with a 28-day compressive strength that equals or exceeds the following:

- If the contract specifies f'c, then f'c.
- If the contract does not specify f'c, then 4000 psi.

(8) Provide concrete with a maximum chloride penetration resistance of 1500 coulombs at 28-days.

C Construction

501.3.2.4.3.3 Extended Delivery Time

Delete 501.3.2.4.3.3 paragraph one.

501.3.5 Ready-Mixed Concrete

501.3.5.1 General

Replace 501.3.5.1 paragraph one with the following:

(1) Use central-mixed concrete as defined in standard spec 501.3.5.1(2) for all work performed under this special provision.

501.3.5.2 Delivery

Replace 501.3.5.2 paragraph three with the following:

(3) Deliver and completely discharge all concrete within one hour beginning when adding water to the cement, or when adding cement to the aggregates. A decrease in air temperature below 60 F or the use of department-approved retarders does not increase the discharge time.

501.3.7.1 Slump

Replace the entire text with the following:

(1) Use a 2-inch to 4-inch slump

(2) Perform slump tests for concrete according to AASHTO T119 WTM.

501.3.8.2 Hot Weather Concreting

501.3.8.2.1 General

Replace the entire text with the following:

(1) The contractor is responsible for the quality of concrete placed in hot weather. Submit a written temperature control plan at or before the pre-pour meeting. In that plan, outline the actions to control concrete temperature if the concrete temperature at the point of placement exceeds 80 F. Do not place concrete without the engineer's written acceptance of that temperature control plan. Perform the work as outlined in the temperature control plan.

(2) If the concrete temperature at the point of placement exceeds 80 F, do not place concrete for items covered in this special provision.

(3) The department will pay $0.75 per pound for the quantity of ice required to reach a target concrete temperature of 75 F if the following conditions are met:

1. The un-iced concrete temperature exceeds 80 F.
2. The contractor has performed the actions outlined in the contractor’s accepted temperature control plan.
3. The contractor elects to use ice.

(4) Notify the engineer whenever conditions exist that might cause the temperature at the point of placement to exceed 80 F. If project information is not available, the contractor should obtain information from similar mixes placed for other nearby work.

501.3.8.2.2 Bridge Decks

Replace the entire text with the following:

(1) Do not place concrete for bridge decks when the air temperature is above 80 F.

(2) For concrete placed in bridge decks, submit a written evaporation control plan at each pre-pour meeting. In that plan, outline the actions to maintain concrete surface evaporation at or below 0.15 pounds per square foot per hour. Do not place concrete for bridge decks without the engineer's written acceptance of that evaporation control plan. If the engineer accepts an evaporation control plan calling for ice, the department will pay $0.75 per pound for that ice. Perform the work as outlined in the evaporation control plan.

(3) If predicting a concrete surface moisture evaporation rate exceeding 0.15 pounds per square foot per hour, do not place concrete for bridge decks.

(4) Provide evaporation rate predictions to the engineer 24 hours before each bridge deck pour.

(5) Compute the evaporation rate from the predicted ambient conditions at the time and place of the pour using the nomograph, or computerized equivalent, specified in CMM 525, figure 1 or using a computerized equivalent. Use weather information from the nearest national weather service station. The engineer will use this information to determine if the pour will proceed as scheduled.

(6) At least 8 hours before each pour, the engineer will inform the contractor in writing whether to proceed with the pour as scheduled. If the actual computed evaporation rate during the pour exceeds 0.15 pounds per square foot per hour, at the engineer's discretion, the contractor may be allowed to implement immediate corrective action and complete the pour.

502.3.5.4 Superstructures

Delete 502.3.5.4 paragrah five.

502.3.7.8 Floors

Replace 502.3.7.8 paragraph five with the following:

(5) Set the rails or tracks that the finish machine rides on, to the required elevation; and ensure they adjust to allow for settlement under load. Support the rails or tracks outside the limits of the finished riding surface. Do not support rails or tracks on the tops of girders, or within the finished riding surface, without the engineer's written permission.

Delete 502.3.7.8 paragraph thirteen, fourteen, and fifteen. Add the following to 501.3.7.8:

(19) Do not place bridge deck concrete more than 10 feet ahead of the finishing machine. If there is a delay of more than 10 minutes during the placement of a bridge deck, cover all concrete (unfinished and finished) with wet burlap to protect the concrete from evaporation until placement operations resume.

(20) Keep hand finishing, except for the edge of deck, to a minimum. Equip the finishing machine with a pan behind the screed. Apply micro texture using a broom or turf drag following the use of a 10-foot straight

edge. Only finish by hand as necessary to close up finished concrete. Begin wet curing the deck within a timeframe acceptable to the engineer following the micro texture.

(21) For bridge decks with a design speed of 40 mph or greater, provide longitudinal grooving according to the provision included in this contract.

502.3.8 Curing

502.3.8.1 General

Replace 502.3.8.1 paragraph 1 with the following:

(1) Maintain adequate moisture throughout the concrete mass to support hydration for at least 14 days.

502.3.8.2 Curing Requirements

502.3.8.2.1 General

Replace entire text of 502.3.8.2.1 with the following:

(1) Wet-cure the concrete for bridge decks, structural approach slabs, sidewalks on bridges and raised medians on bridges for 14 days by use of a soaker hose system, or other engineer-approved methods. Cover the finished surface of bridge decks and overlays with one layer of wetted burlap or wetted cotton mats within 10 minutes after the finishing machine has passed. Apply the burlap/cotton gently to minimize marking of the fresh concrete. Keep the first layer of burlap/cotton continuously wet until the bridge deck or overlay is sufficiently hard to apply a second layer of wetted burlap/cotton. Immediately after applying the second layer of burlap/cotton, continue to keep the deck wet until placing and activating the soaker hose system. Throughout the remainder of the curing period, keep the burlap/cotton continuously wet with soaker hoses hooked up to a continuous water source. Inspect the burlap/cotton twice daily to ensure the entire surface is moist. If necessary, alter the soaker hose system as needed to ensure the entire surface is covered and stays moist. After 48 hours from the time of completion of the bridge deck or overlay pour, the soaker hose system and burlap/cotton may be covered with polyethylene sheeting. Provide a continuous flow of water through the soaker hose system for the entire curing period.

(2) Do not uncover any portion of the deck at any time for any reason during the first 7 days of the curing period.

(3) Set up and test the fogging system before each bridge deck, structural approach slab, bridge mounted sidewalk or bridge mounted raised median pour. Keep the fogging system set up and operational during the pour.

502.3.8.2.3 Decks

Delete the entire text.

502.3.8.2.4 Parapets

Replace the entire text with the following:

(1) Cure the inside and outside concrete faces and tops of railings or parapets by covering with wetted burlap immediately after form removal and surface finish application. Keep the burlap thoroughly wet for at least 7 days; or by covering for the same period with thoroughly wet polyethylene-coated burlap conforming to standard spec 501.2.8.

(2) Secure coverings along all edges to prevent moisture loss.

502.3.9 Cold Weather Protection

502.3.9.6 Bridge Decks

Replace the entire text of 502.3.9.6 with the following:

(1) Protect concrete in bridge decks as specified for structural masonry, and except for parapets and similar pours, according to the following requirements:

1. Do not place concrete for bridge decs or other superstructure elements when the national weather service forecast for the construction area predicts temperatures to fall below 32 F within 24 hours, unless the engineer specifically allows or requires in writing.
2. Protect the underside of the deck, including the girders, for bridge deck and overlay pours by housing and heating when the national weather service forecast predicts temperatures to fall below 32 F during the cold weather protection period. Maintain a minimum temperature of 40 F in the enclosed area under the deck for the entire 14-day curing period.

D (Vacant)

E Payment

502.5.1 General

Replace 502.5.1 paragraph one with the following:

(1) The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.0800	HPC Masonry Structures	CY

BTS-715-005 (20240107)

13.22 Stone Ditch Check, Item 628.7515.S

A Description

This special provision describes furnishing, installing, maintaining, and removing stone ditch checks, either temporary or permanent, as the plans show or as the engineer directs.

B Materials

Furnish materials conforming to the requirements for Riprap Extra Light according to standard spec 606.2.1.

C Construction

Place stone ditch checks immediately after shaping of the ditches is completed. Place stone ditch checks perpendicular to the direction of flow. Construct according to the plan details.

During construction, maintain stone ditch checks by removing sediment whenever it accumulates to one half of the original ditch check height. Remove all accumulated sediment prior to final stabilization.

For temporary installations, remove all materials incorporated into the work when directed by the engineer. Restore areas with topsoil, seed, fertilizer, and other erosion control items as directed by the engineer.

D Measurement

The department will measure Stone Ditch Checks by the cubic yard of material, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
628.7515.S	Stone Ditch Checks	CY

Payment is full compensation for excavating, furnishing, placing, and shaping Stone Ditch Checks.

Removal of sediment and removal of temporary stone ditch checks will be paid under the Excavation Common bid item by multiplying the measured removal quantity by a factor of ten.

The department will pay separately for restoration and erosion control items under the appropriate contract bid items.

The department will pay separately for Geotextile Type R fabric.

Schedule of Items
Attached, dated February 5, 2024, are the revised Schedule of Items Pages 1 – 27.

Plan Sheets
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 2, 40, 58, 86, 95, 108, 117, 119-120, 124-126, 203-222, 227, 237-238, 240-241, 270, 427, 455-456, 459-464, 473-474, 476, 479-480, 506-507, 512-513, 550, 551, 561, 573 and 587.
Added: 40A and 520A-B.

END OF ADDENDUM

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Addendum No. 02
ID 1130-64-76
Revised Sheet 2
February 5, 2024

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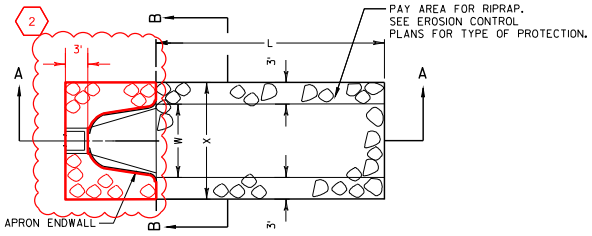
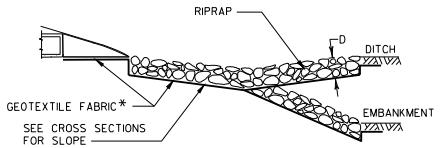
www.DiggersHotline.com

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	GENERAL NOTES	SHEET 2	E

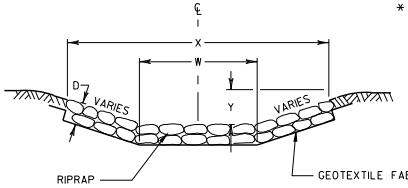
FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\020101-GN.DWG PLOT DATE : 1/31/2024 12:58 PM PLOT BY : BRANDON HOFF PLOT NAME : ---- PLOT SCALE : 1:1



PLAN VIEW



SECTION A-A



SECTION B-B

L = 3 x W (NOR) OR 10' MIN
OR AS INDICATED IN THE PLANS
OR AS DIRECTED BY THE ENGINEER

D = 18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

X = W+6'

Y = 0' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
6" FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

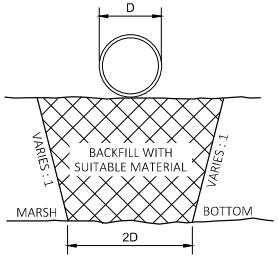
* TYPE HR (FOR RIPRAP HEAVY AND MEDIUM ONLY)

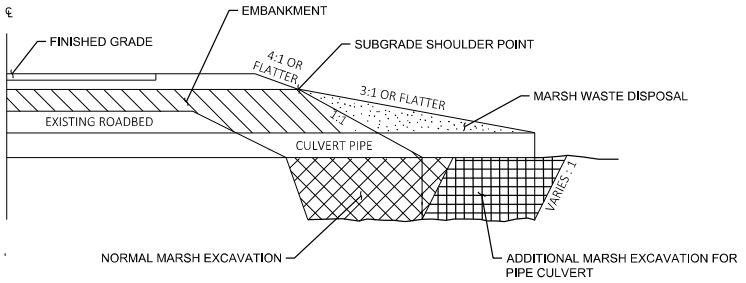
CONSTRUCTION NOTES:

1. GEOTEXTILE FABRIC SHALL EXTEND BENEATH THE ENTIRE LENGTH OF THE APRON ENDWALL SECTION. INSTALL ON PREPAVED FOUNDATION. GRADE PRIOR TO END WALL INSTALLATION.
2. COMPLETE GEOTEXTILE FABRIC AND RIPRAP SECTION INSTALLATION PRIOR TO STORM WATER FLOW.

RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

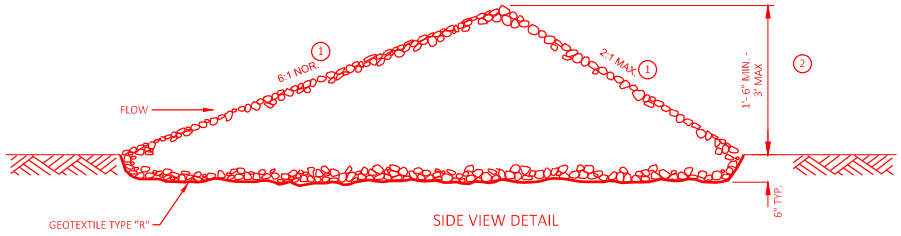
SEE EROSION CONTROL PLAN FOR LOCATIONS



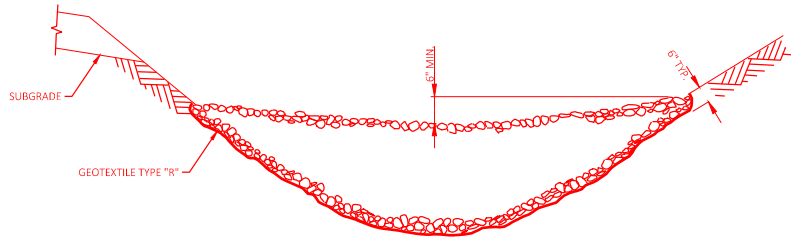


MARSH EXCAVATION AT CULVERT EXTENSIONS

Addendum No. 02
ID 1130-64-76/81
Revised Sheet 40
February 5, 2024



SIDE VIEW DETAIL



SECTION VIEW

STONE DITCH CHECK

(1) WHEN PLACED WITHIN THE CLEAR ZONE, SLOPED AT 6:1 OR FLATTER.

(2) MEASURED AT THE CENTER OF THE DITCH CHECK.

Addendum No. 02
ID 1130-64-76/81
Added Sheet 40A
February 5, 2024

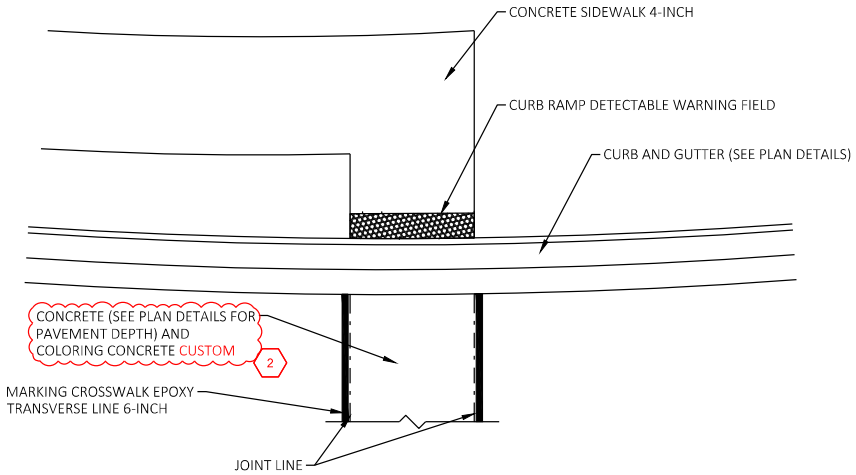
PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 40A	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021002-CD.DWG
LAYOUT NAME - 4A

PLOT DATE : 1/30/2024 3:40 PM PLOT BY : BRANDON HOFF PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2



CROSSWALK DETAIL (TYP.)

(NOT TO SCALE)

Addendum No. 02
ID 1130-64-76
Revised Sheet 58
February 5, 2024

2

2

PLAN DETAILS LEGEND

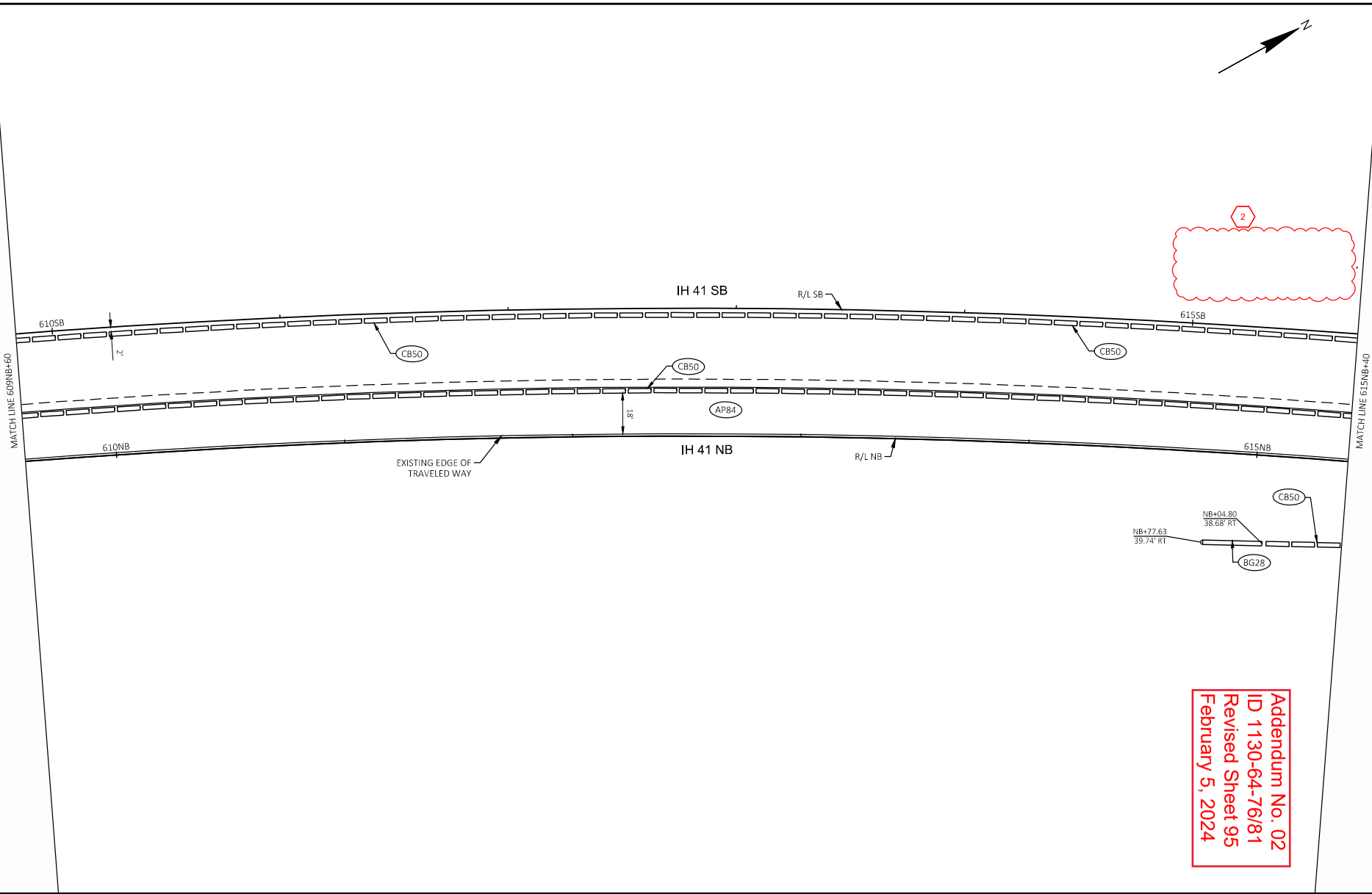
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP04 HMA PAVEMENT 3 1/2-INCH
- AP06 HMA PAVEMENT 4 1/2-INCH
- AP84 5-INCH ASPHALTIC SURFACE
- BG19 GUARDRAIL MOW STRIP ASPHALT
- BG20 GUARDRAIL MOW STRIP CONCRETE
- BG28 CRASH CUSHIONS TEMPORARY LEFT IN PLACE
- BG32 MGS GUARDRAIL 3
- BG39 MGS THRIE BEAM TRANSITION
- BG40 MGS GUARDRAIL TERMINAL EAT
- CB06 CONCRETE BARRIER TYPE S42
- CB50 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- CB52 ANCHORING CONCRETE BARRIER TEMPORARY PRECAST
- CG07 CONCRETE GUTTER 24-INCH
- CG08 REVERSE CONCRETE GUTTER 24-INCH
- CG14 CONCRETE CURB & GUTTER 30-INCH TYPE A
- CG15 CONCRETE CURB & GUTTER 30 INCH TYPE D
- CG20 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
- CG42 CONCRETE CURB PEDESTRIAN
- CG43 CURB RAMP DETECTABLE WARNING FIELD YELLOW
- CG47 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW
- CM01 CONCRETE SIDEWALK 4-INCH
- CM02 COLORING CONCRETE (CUSTOM)
- CM03 CONCRETE SIDEWALK 6-INCH
- 2 ~~CM04 COLORING CONCRETE WISDOT RED~~
- CM08 CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
- CM09 CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
- CP01 CONCRETE PAVEMENT APPROACH SLAB
- CP09 CONCRETE PAVEMENT 9-INCH
- CP10 CONCRETE PAVEMENT 9 1/2-INCH
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR09 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- PV06 CONCRETE SURFACE DRAIN
- PV11 FILLING CONCRETE RUMBLE STRIPS 24-INCH
- SP01 SLOPE PAVING

NOTES: * DENOTES LOCATION OF DEPRESSED CURB HEAD
** DENOTES LOCATION OF REVERSE GUTTER SLOPE

Addendum No. 02
ID 1130-64-76/81
Revised Sheet 86
February 5, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS LEGEND	SHEET 86	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021200-PD-LEGEND.DWG
LAYOUT NAME - 1
PLOT DATE : 1/26/2024 12:18 PM PLOT BY : BRANDON HOFF PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

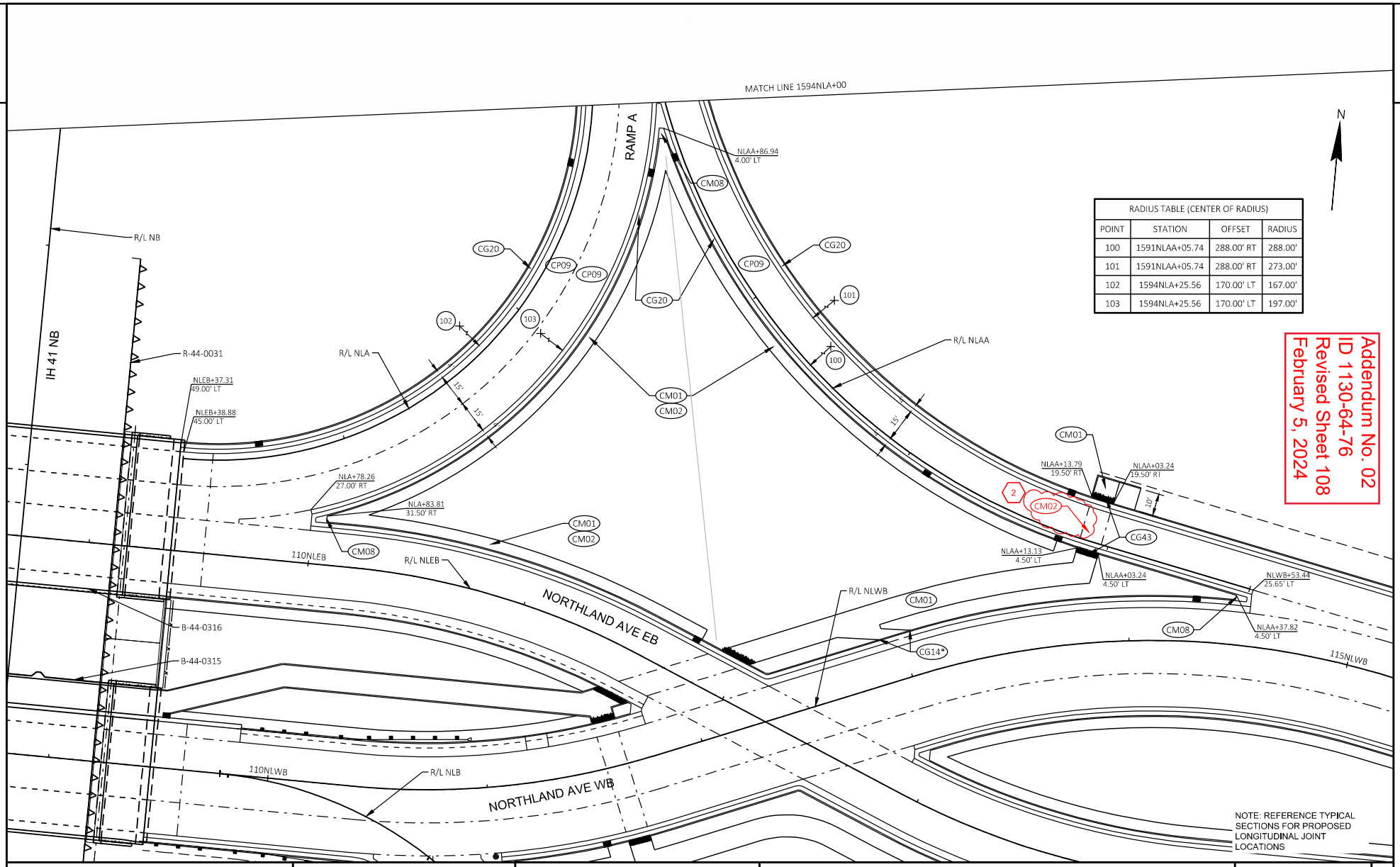


Addendum No. 02
ID 1130-64-76/81
Revised Sheet 95
February 5, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS - IH 41 MAINLINE - INTERIM	SHEET 95	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021202-TEMP-PD.DWG
LAYOUT NAME - 9
PLOT DATE : 1/29/2024 5:08 PM PLOT BY : BRANDON HOFF PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

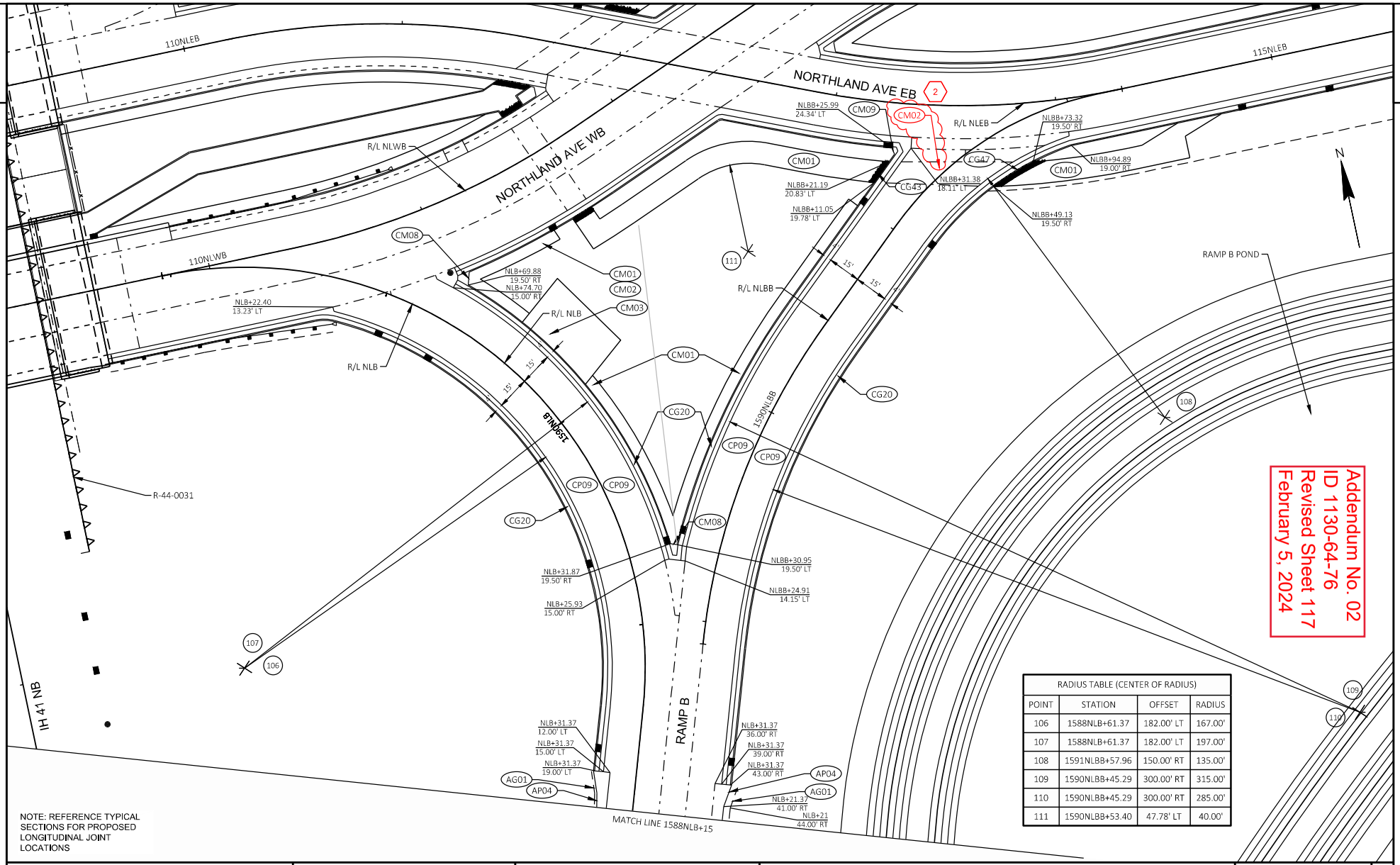


RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
100	1591NLAA+05.74	288.00' RT	288.00'
101	1591NLAA+05.74	288.00' RT	273.00'
102	1594NLA+25.56	170.00' LT	167.00'
103	1594NLA+25.56	170.00' LT	197.00'

Addendum No. 02
ID 1130-64-76
Revised Sheet 108
February 5, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS: W NORTHLAND AVE - RAMP A	SHEET 108	E

FILE NAME : C:\USERS\DCARY\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021205-PD.DWG
LAYOUT NAME - 1
PLOT DATE : 1/30/2024 4:18 PM
PLOT BY : DAN CARY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



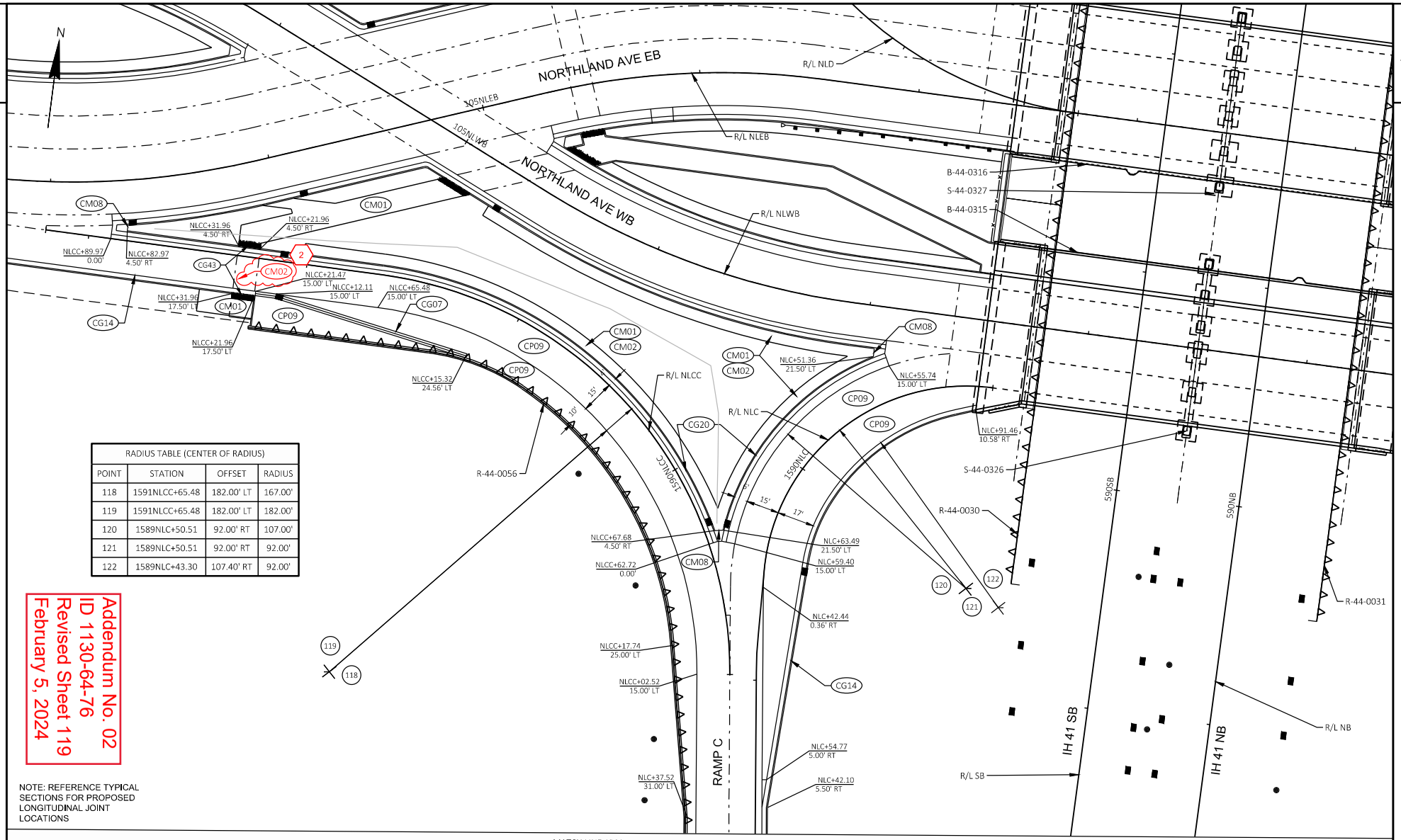
Addendum No. 02
ID 1130-64-76
Revised Sheet 117
February 5, 2024

RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
106	1588NLB+61.37	182.00' LT	167.00'
107	1588NLB+61.37	182.00' LT	197.00'
108	1591NLBB+57.96	150.00' RT	135.00'
109	1590NLBB+45.29	300.00' RT	315.00'
110	1590NLBB+45.29	300.00' RT	285.00'
111	1590NLBB+53.40	47.78' LT	40.00'

NOTE: REFERENCE TYPICAL SECTIONS FOR PROPOSED LONGITUDINAL JOINT LOCATIONS

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS: W NORTHLAND AVE - RAMP B	SHEET 117	E

FILE NAME : C:\USERS\DCARY\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021205-PD.DWG
LAYOUT NAME - 6
PLOT DATE : 1/30/2024 4:19 PM
PLOT BY : DAN CARY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
118	1591NLCC+65.48	182.00' LT	167.00'
119	1591NLCC+65.48	182.00' LT	182.00'
120	1589NLC+50.51	92.00' RT	107.00'
121	1589NLC+50.51	92.00' RT	92.00'
122	1589NLC+43.30	107.40' RT	92.00'

Addendum No. 02
ID 1130-64-76
Revised Sheet 119
February 5, 2024

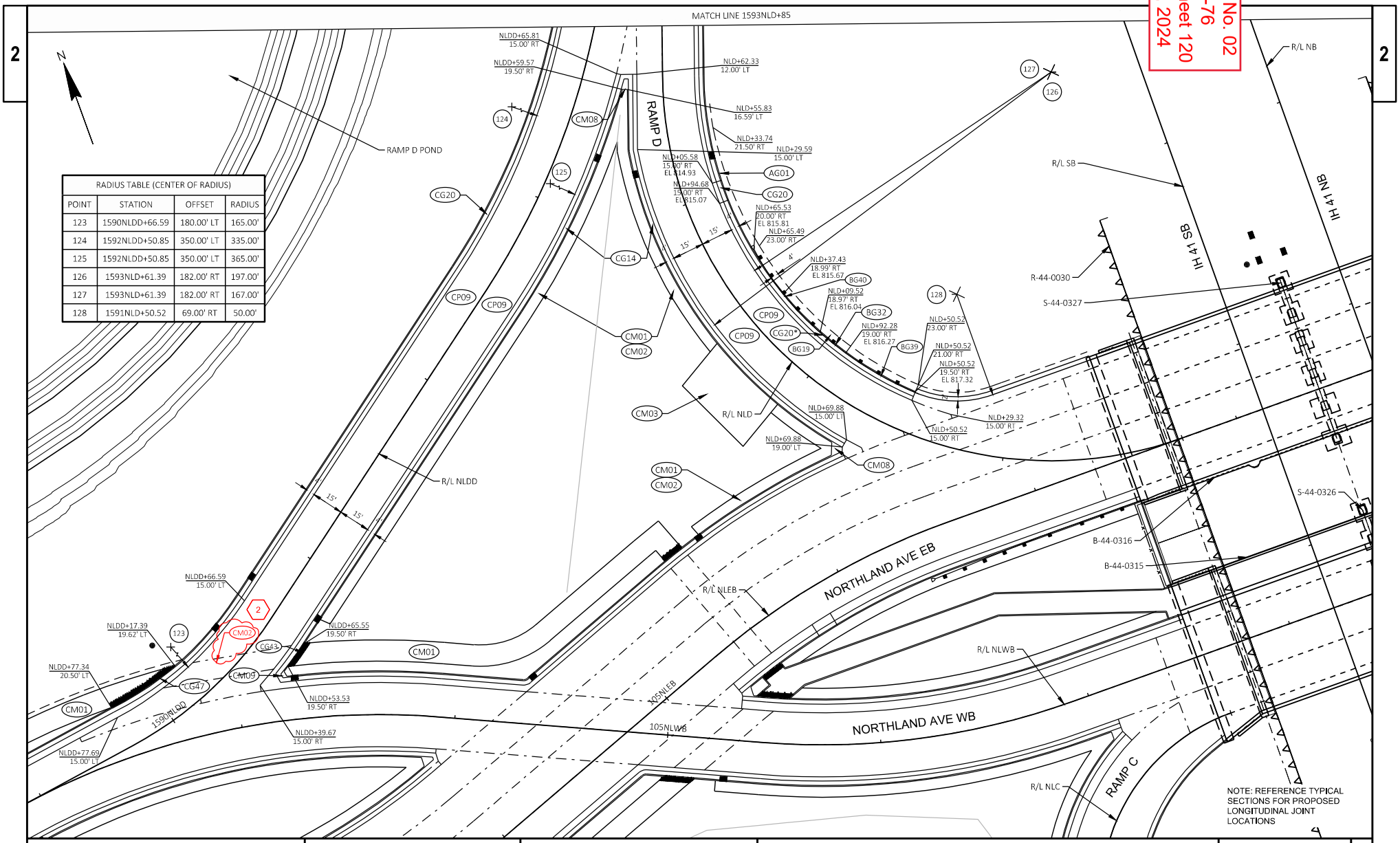
NOTE: REFERENCE TYPICAL SECTIONS FOR PROPOSED LONGITUDINAL JOINT LOCATIONS

MATCH LINE 1588NLC+30

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS: W NORTHLAND AVE - RAMP C	SHEET 119	E

FILE NAME : C:\USERS\DCARY\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021205-PD.DWG
LAYOUT NAME - 8
PLOT DATE : 1/30/2024 4:20 PM
PLOT BY : DAN CARY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

Addendum No. 02
ID 1130-64-76
Revised Sheet 120
February 5, 2024

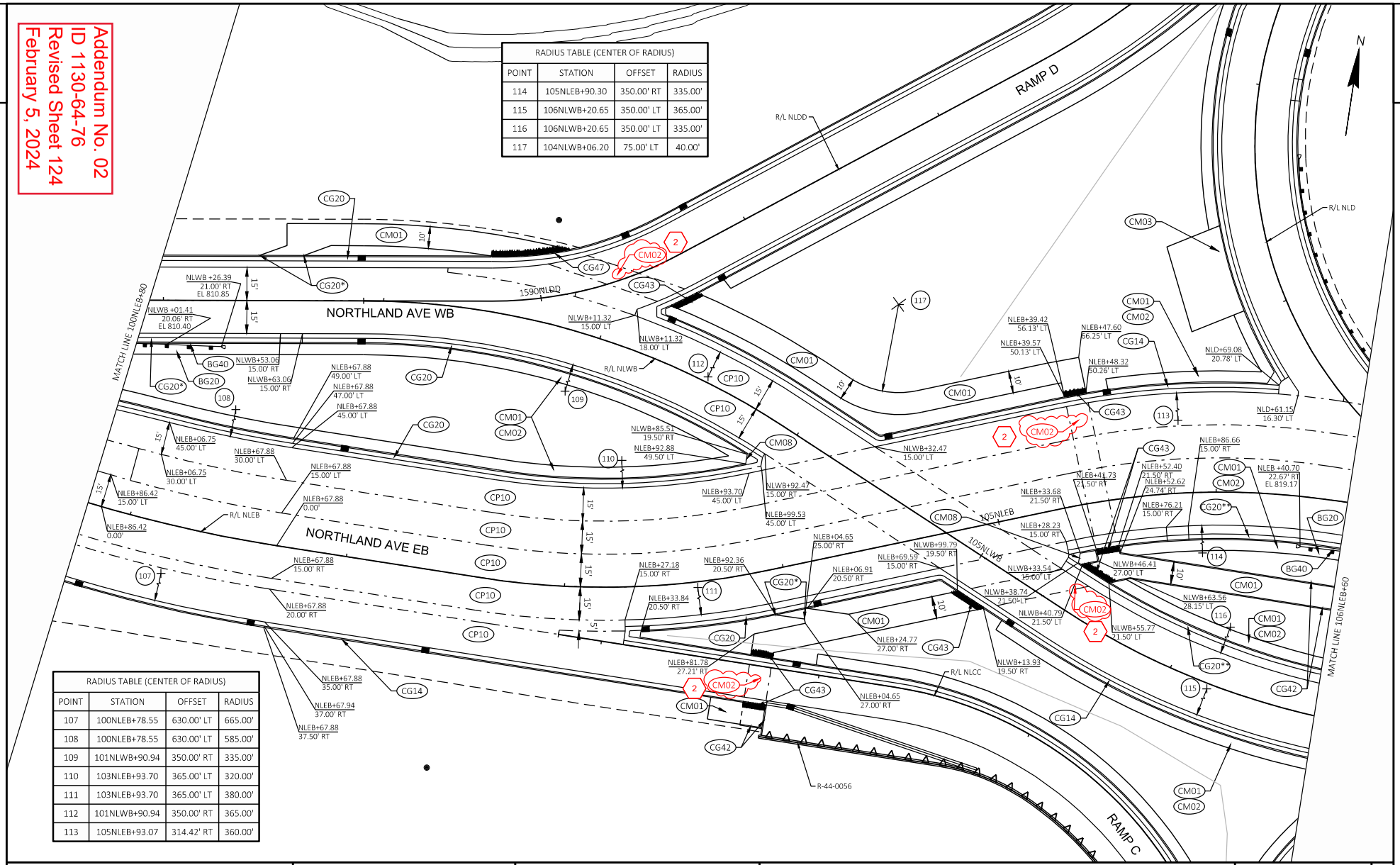


RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
123	1590NLDD+66.59	180.00' LT	165.00'
124	1592NLDD+50.85	350.00' LT	335.00'
125	1592NLDD+50.85	350.00' LT	365.00'
126	1593NLD+61.39	182.00' RT	197.00'
127	1593NLD+61.39	182.00' RT	167.00'
128	1591NLD+50.52	69.00' RT	50.00'

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS: W NORTHLAND AVE - RAMP D	SHEET 120	E

FILE NAME : C:\USERS\DCARY\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021205-PD.DWG
LAYOUT NAME - 9
PLOT DATE : 1/30/2024 4:21 PM PLOT BY : DAN CARY PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

Addendum No. 02
ID 1130-64-76
Revised Sheet 124
February 5, 2024

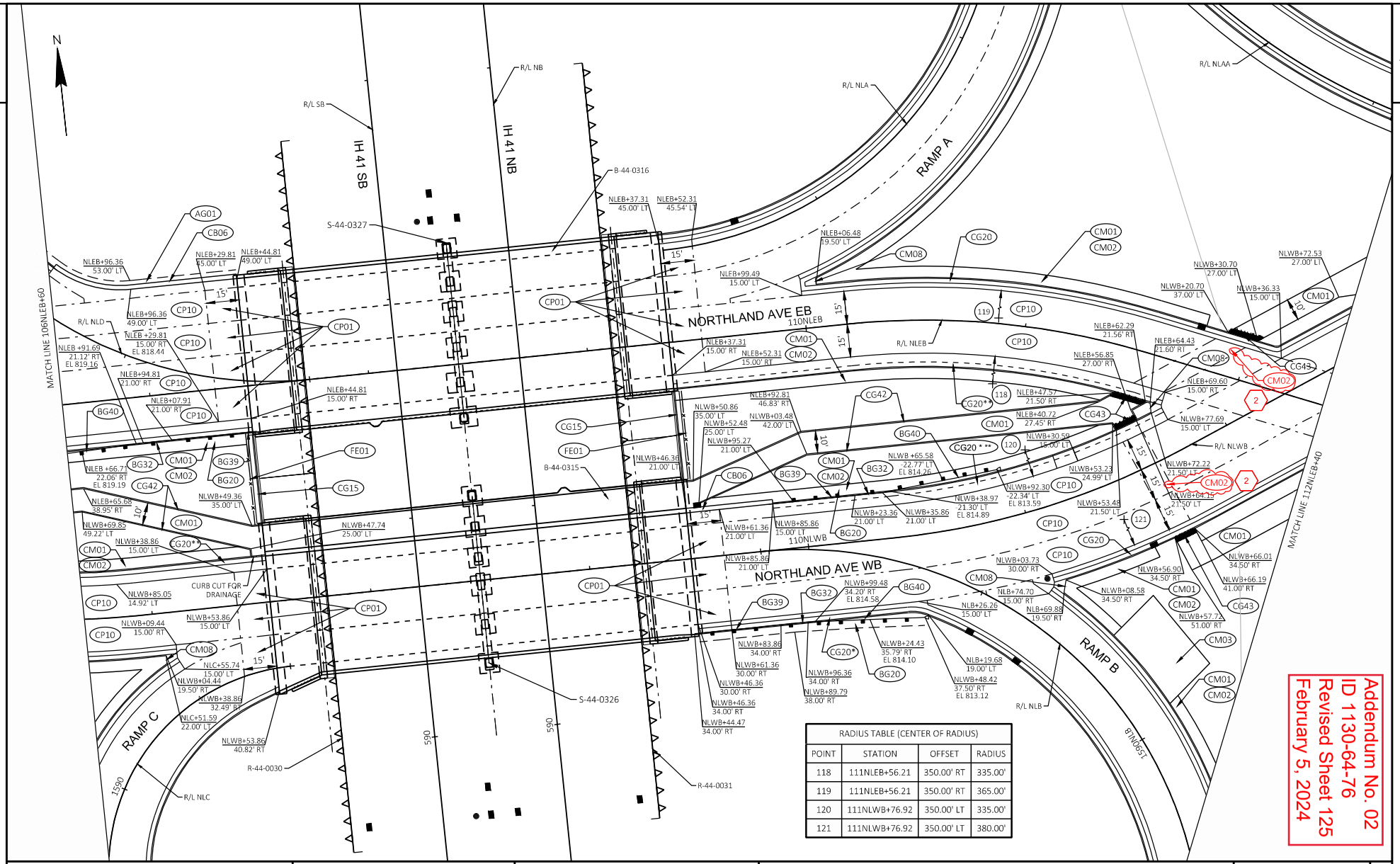


RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
114	105NLEB+90.30	350.00' RT	335.00'
115	106NLWB+20.65	350.00' LT	365.00'
116	106NLWB+20.65	350.00' LT	335.00'
117	104NLWB+06.20	75.00' LT	40.00'

RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
107	100NLEB+78.55	630.00' LT	665.00'
108	100NLEB+78.55	630.00' LT	585.00'
109	101NLWB+90.94	350.00' RT	335.00'
110	103NLEB+93.70	365.00' LT	320.00'
111	103NLEB+93.70	365.00' LT	380.00'
112	101NLWB+90.94	350.00' RT	365.00'
113	105NLEB+93.07	314.42' RT	360.00'

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS: W NORTHLAND AVE	SHEET 124	E

FILE NAME : C:\USERS\DCARY\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021208-PD.DWG
LAYOUT NAME - 2
PLOT DATE : 1/30/2024 4:30 PM
PLOT BY : DAN CARY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



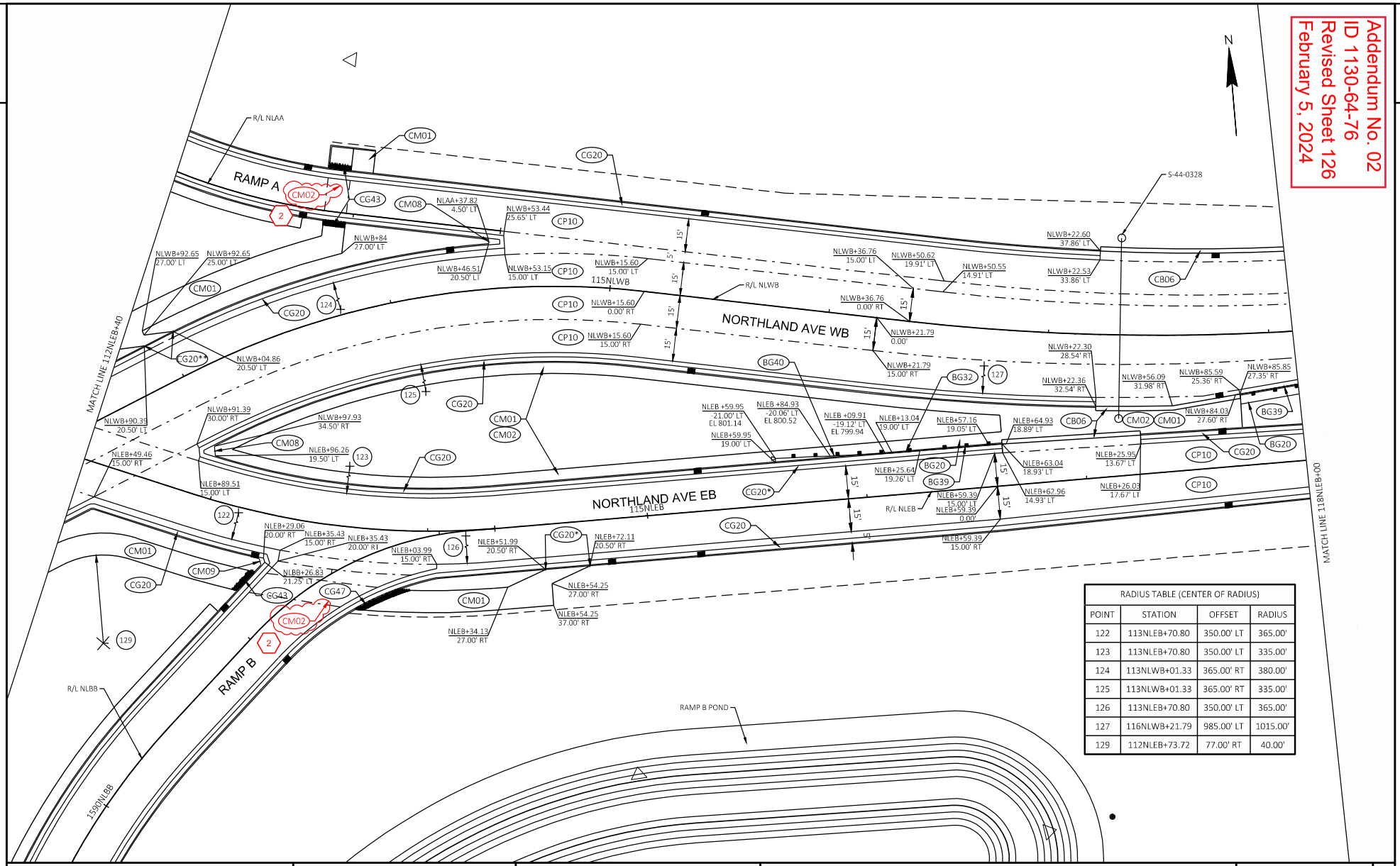
RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
118	111NLEB+56.21	350.00' RT	335.00'
119	111NLEB+56.21	350.00' RT	365.00'
120	111NLWB+76.92	350.00' LT	335.00'
121	111NLWB+76.92	350.00' LT	380.00'

Addendum No. 02
ID 1130-64-76
Revised Sheet 125
February 5, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS: W NORTHLAND AVE	SHEET 125	E

FILE NAME : C:\USERS\DCARY\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021208-PD.DWG
LAYOUT NAME - 3
PLOT DATE : 1/30/2024 4:31 PM
PLOT BY : DAN CARY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

Addendum No. 02
ID 1130-64-76
Revised Sheet 126
February 5, 2024



RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
122	113NLEB+70.80	350.00' LT	365.00'
123	113NLEB+70.80	350.00' LT	335.00'
124	113NLWB+01.33	365.00' RT	380.00'
125	113NLWB+01.33	365.00' RT	335.00'
126	113NLEB+70.80	350.00' LT	365.00'
127	116NLWB+21.79	985.00' LT	1015.00'
129	112NLEB+73.72	77.00' RT	40.00'

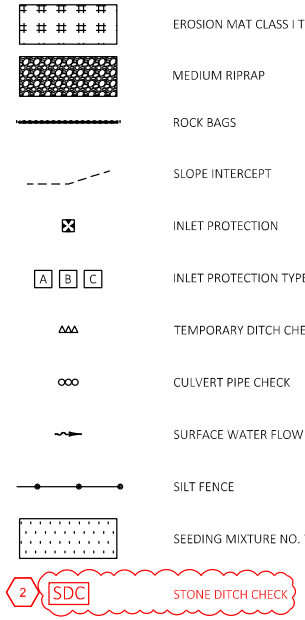
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS: W NORTHLAND AVE	SHEET 126	E

FILE NAME : C:\USERS\DCARY\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021208-PD.DWG
LAYOUT NAME - 4
PLOT DATE : 1/30/2024 4:32 PM
PLOT BY : DAN CARY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

EROSION CONTROL LEGEND

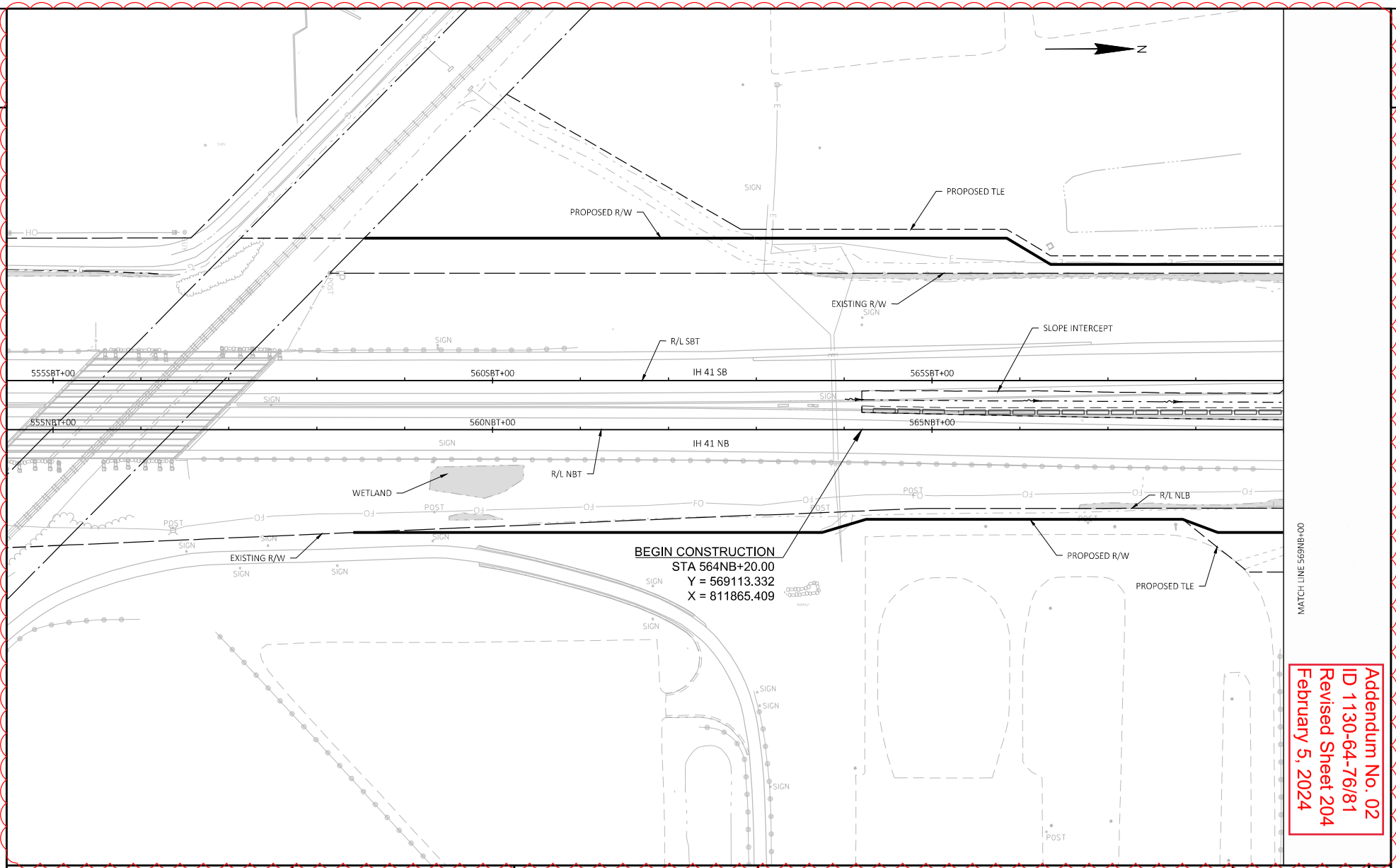


Addendum No. 02
ID 1130-64-76/81
Revised Sheet 203
February 5, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL LEGEND	SHEET 203	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022000-EC-LEGEND.DWG
LAYOUT NAME - 1
PLOT DATE : 1/26/2024 3:20 PM PLOT BY : BRANDON HOFF PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

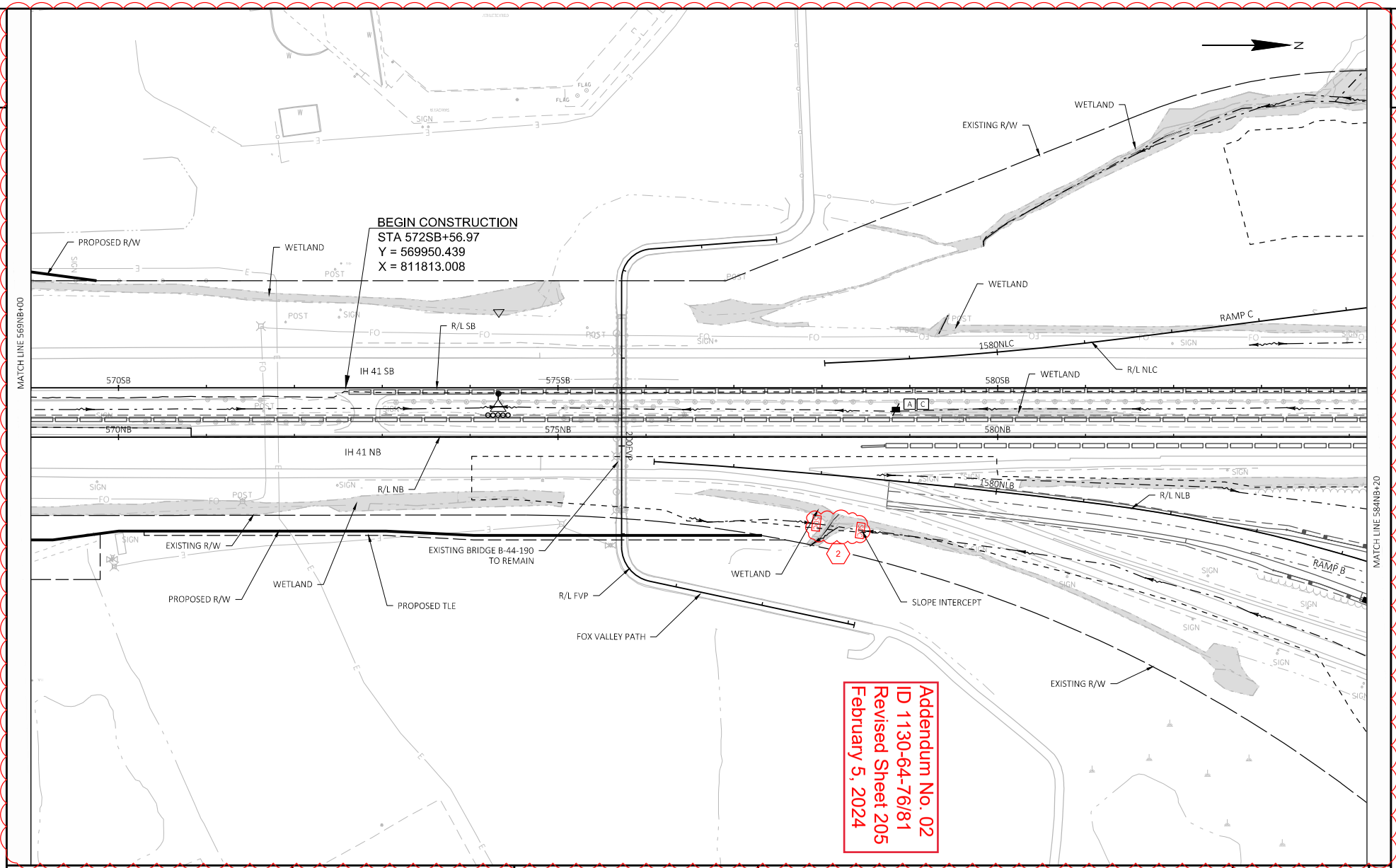


Addendum No. 02
ID 1130-64-76/81
Revised Sheet 204
February 5, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - IH 41 - MAINLINE - INTERIM	SHEET 204	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022002-TEMP-EC.DWG
LAYOUT NAME - 1
PLOT DATE : 1/25/2024 4:48 PM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

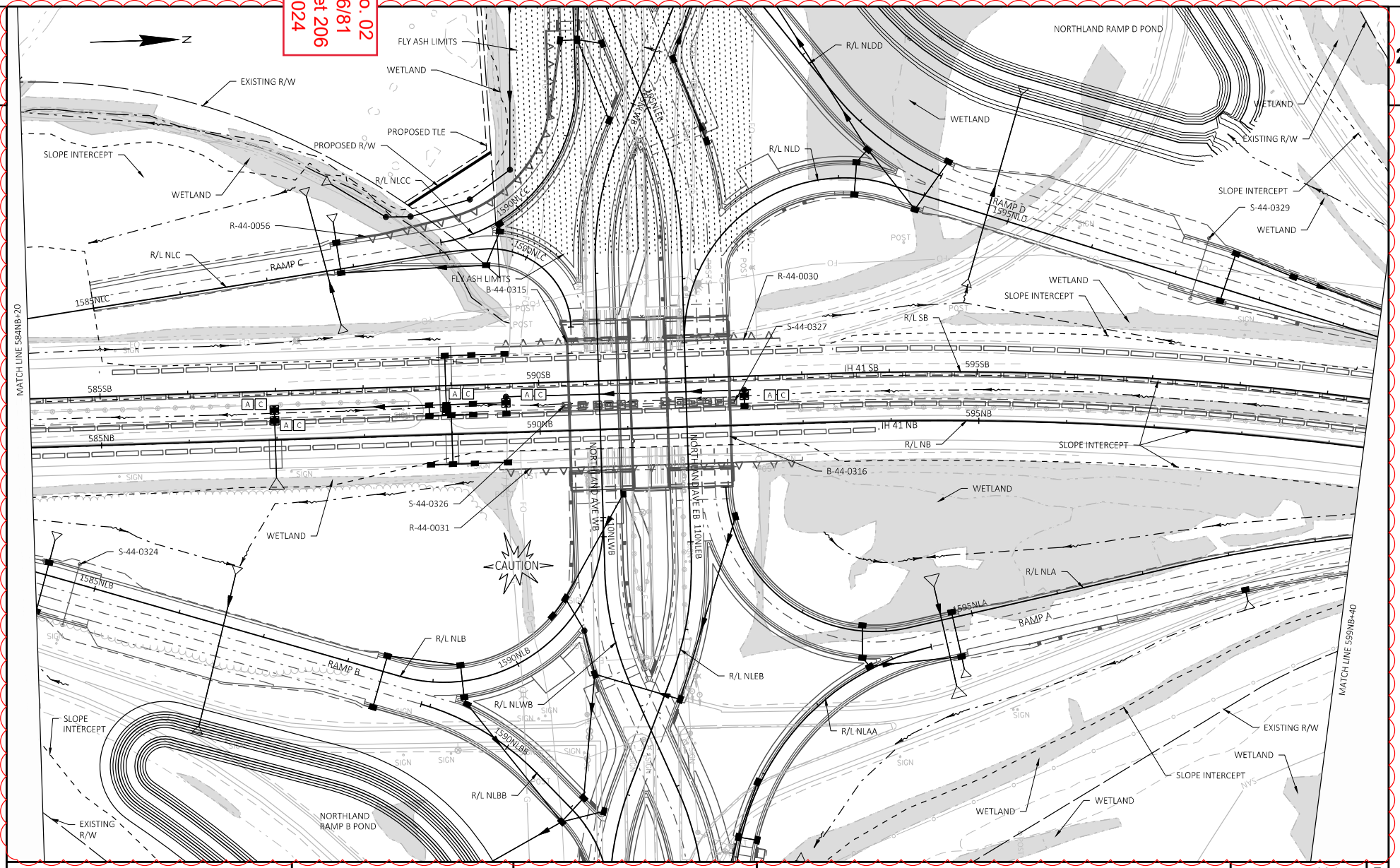


PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - IH 41 - MAINLINE - INTERIM	SHEET 205	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022002-TEMP-EC.DWG
LAYOUT NAME - 2
PLOT DATE : 1/26/2024 1:40 PM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

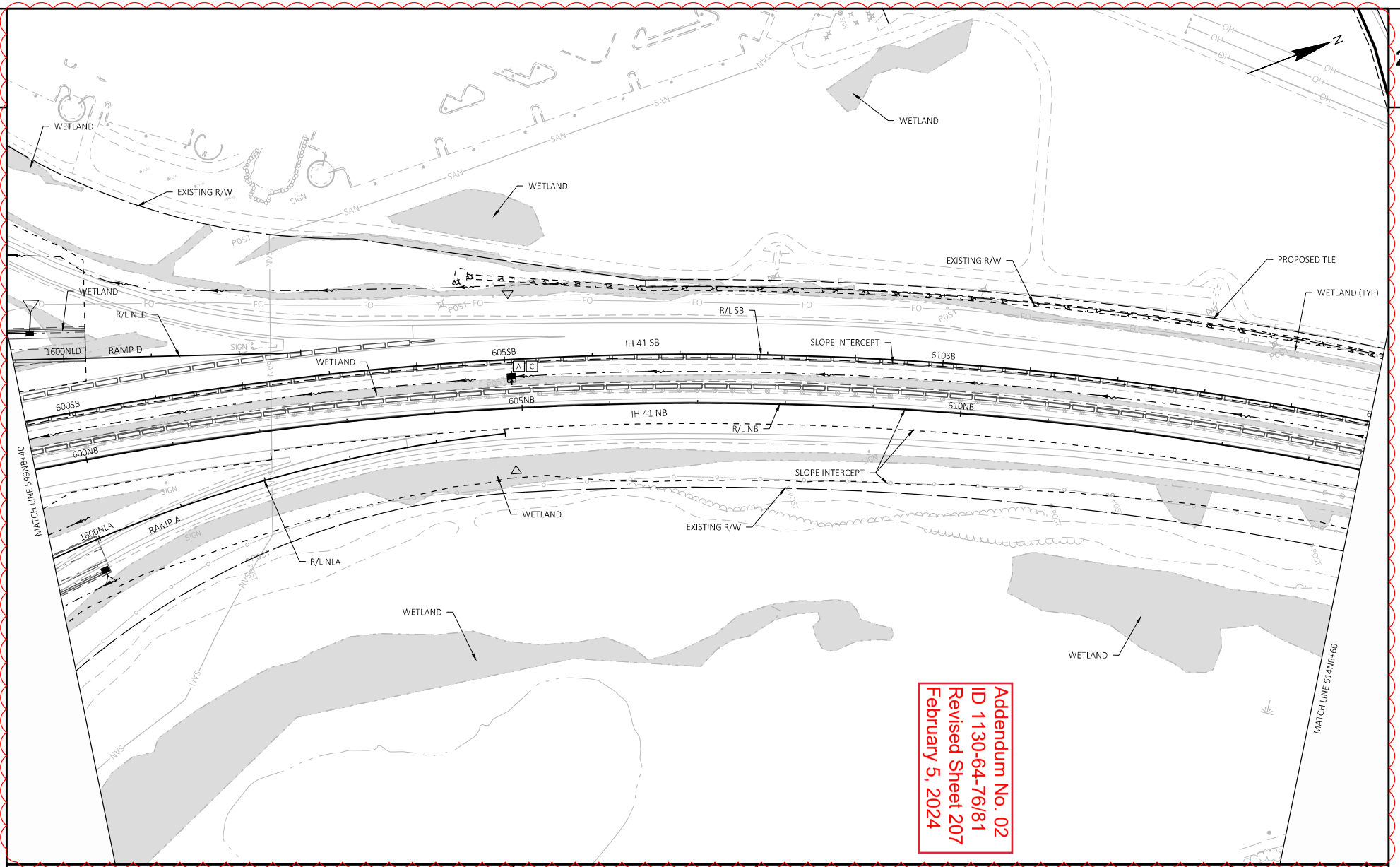
Addendum No. 02
ID 1130-64-76/81
Revised Sheet 206
February 5, 2024



PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - IH 41 - MAINLINE - INTERIM	SHEET 206	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022002-TEMP-EC.DWG
LAYOUT NAME - 3
PLOT DATE : 1/31/2024 2:21 PM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

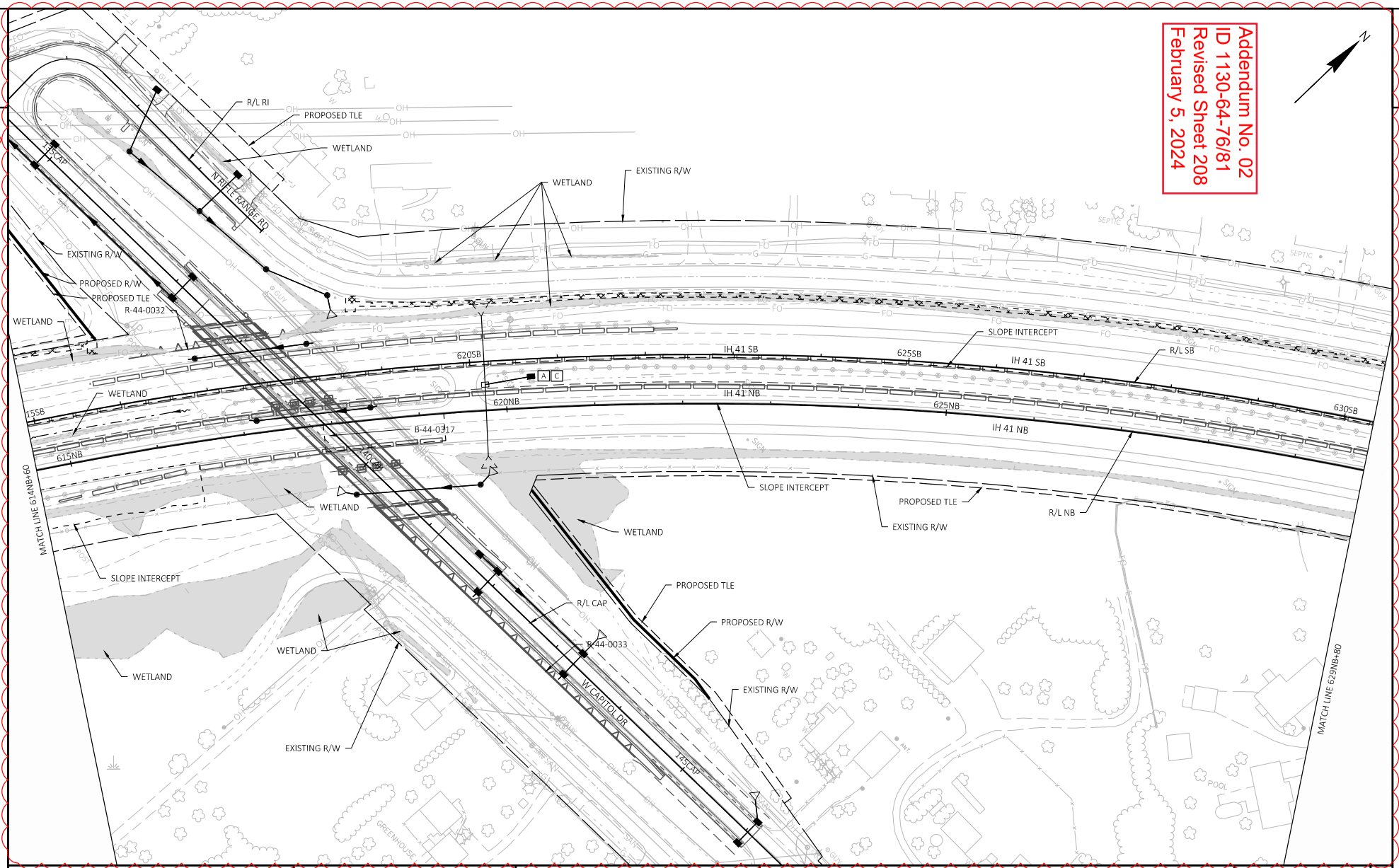
WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - IH 41 - MAINLINE - INTERIM	SHEET 207	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022002-TEMP-EC.DWG
LAYOUT NAME - 4
PLOT DATE : 1/31/2024 2:54 PM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

Addendum No. 02
ID 1130-64-76/81
Revised Sheet 208
February 5, 2024

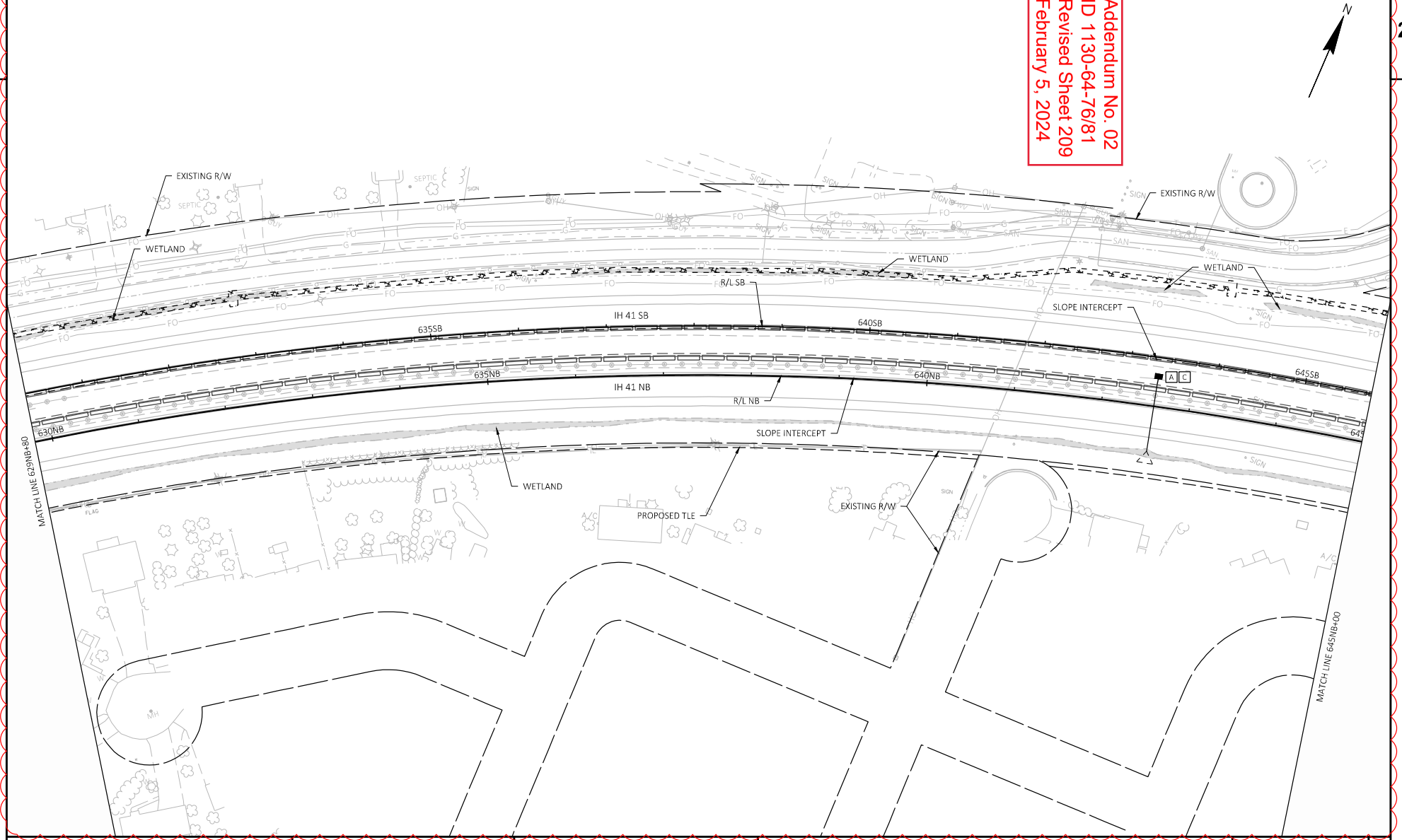


PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - IH 41 - MAINLINE - INTERIM	SHEET 208	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022002-TEMP-EC.DWG
LAYOUT NAME - 5
PLOT DATE : 1/25/2024 5:09 PM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

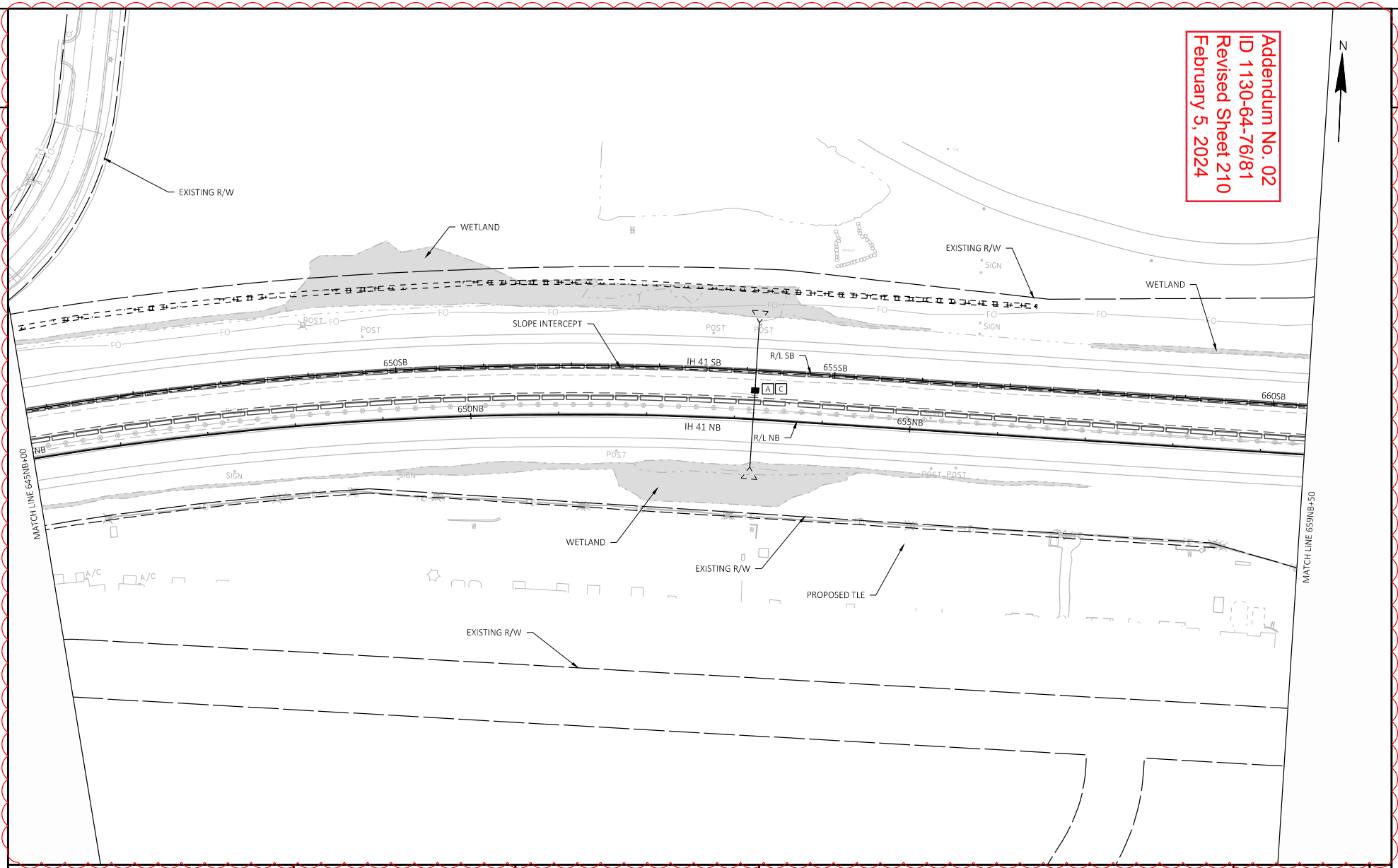
Addendum No. 02
ID 1130-64-76/81
Revised Sheet 209
February 5, 2024



PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - IH 41 - MAINLINE - INTERIM	SHEET 209	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022002-TEMP-EC.DWG
LAYOUT NAME - 6
PLOT DATE : 1/25/2024 5:10 PM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

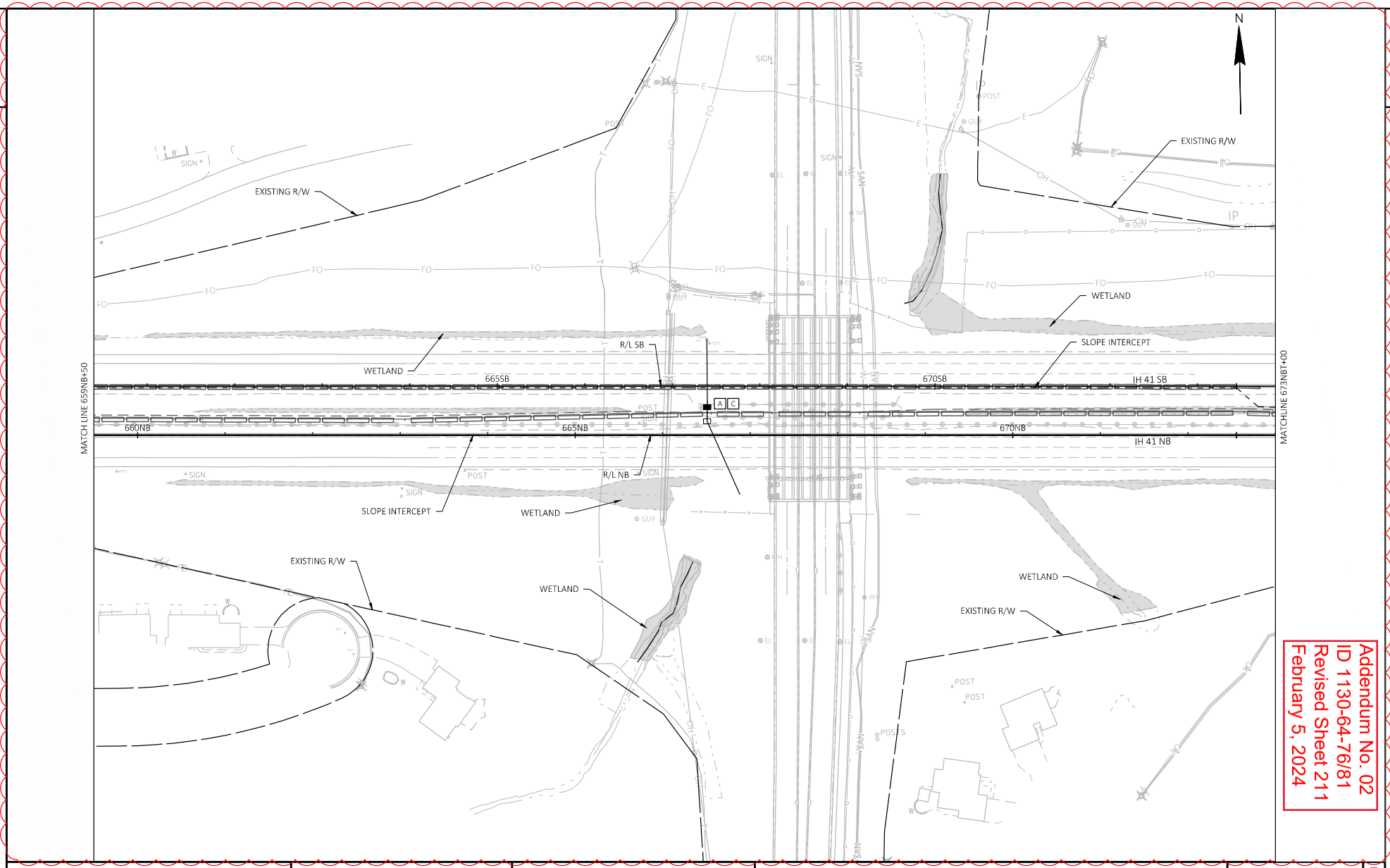
Addendum No. 02
ID 1130-64-76/81
Revised Sheet 210
February 5, 2024



PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - IH 41 - MAINLINE - INTERIM	SHEET 210	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022002-TEMP-EC.DWG
LAYOUT NAME - 7
PLOT DATE : 1/25/2024 5:12 PM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

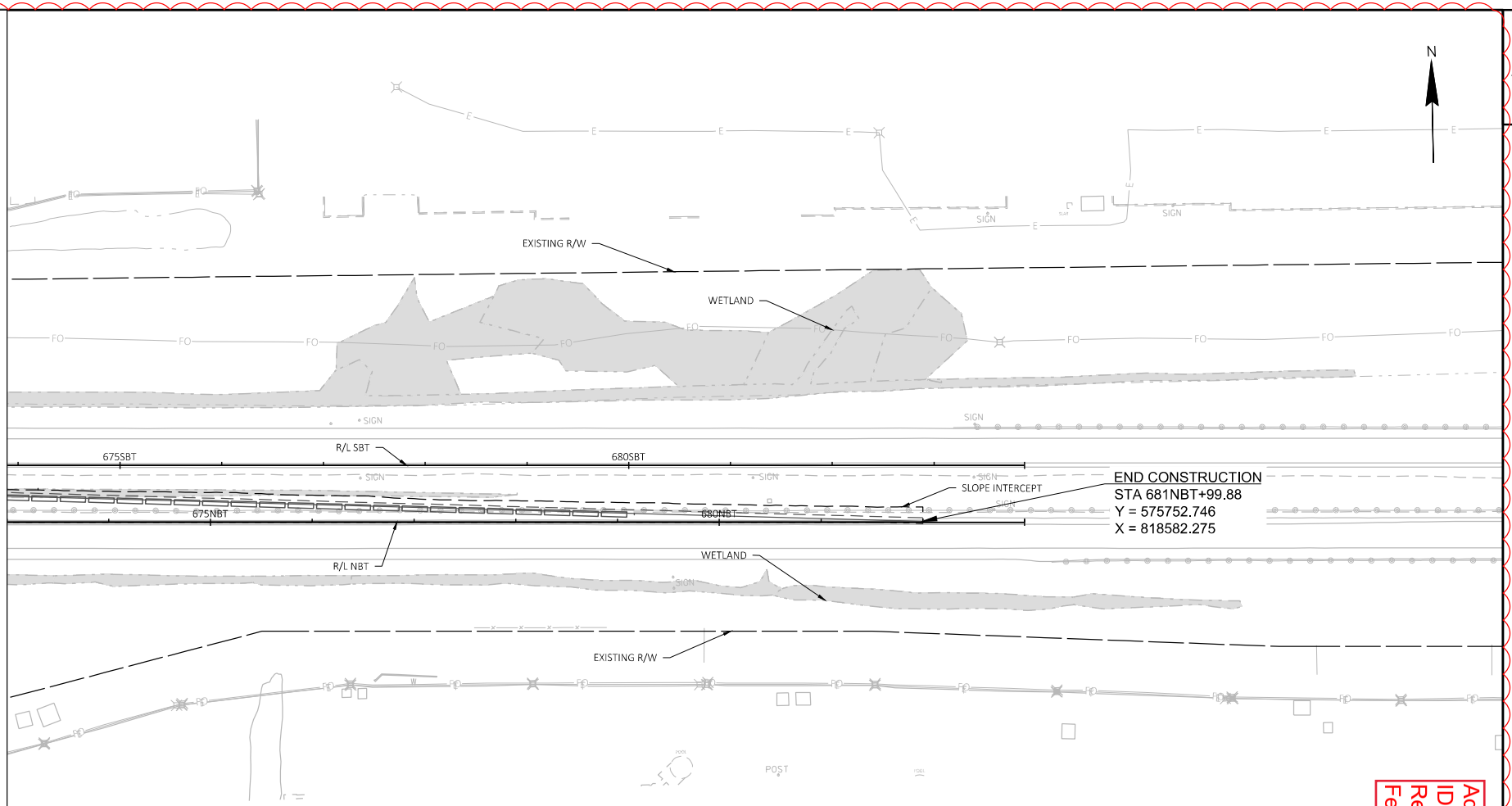
WISDOT/CADDS SHEET 42



Addendum No. 02
ID 1130-64-76/81
Revised Sheet 211
February 5, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - IH 41 - MAINLINE - INTERIM	SHEET 211	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022002-TEMP-EC.DWG
LAYOUT NAME - 8
PLOT DATE : 1/25/2024 5:14 PM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

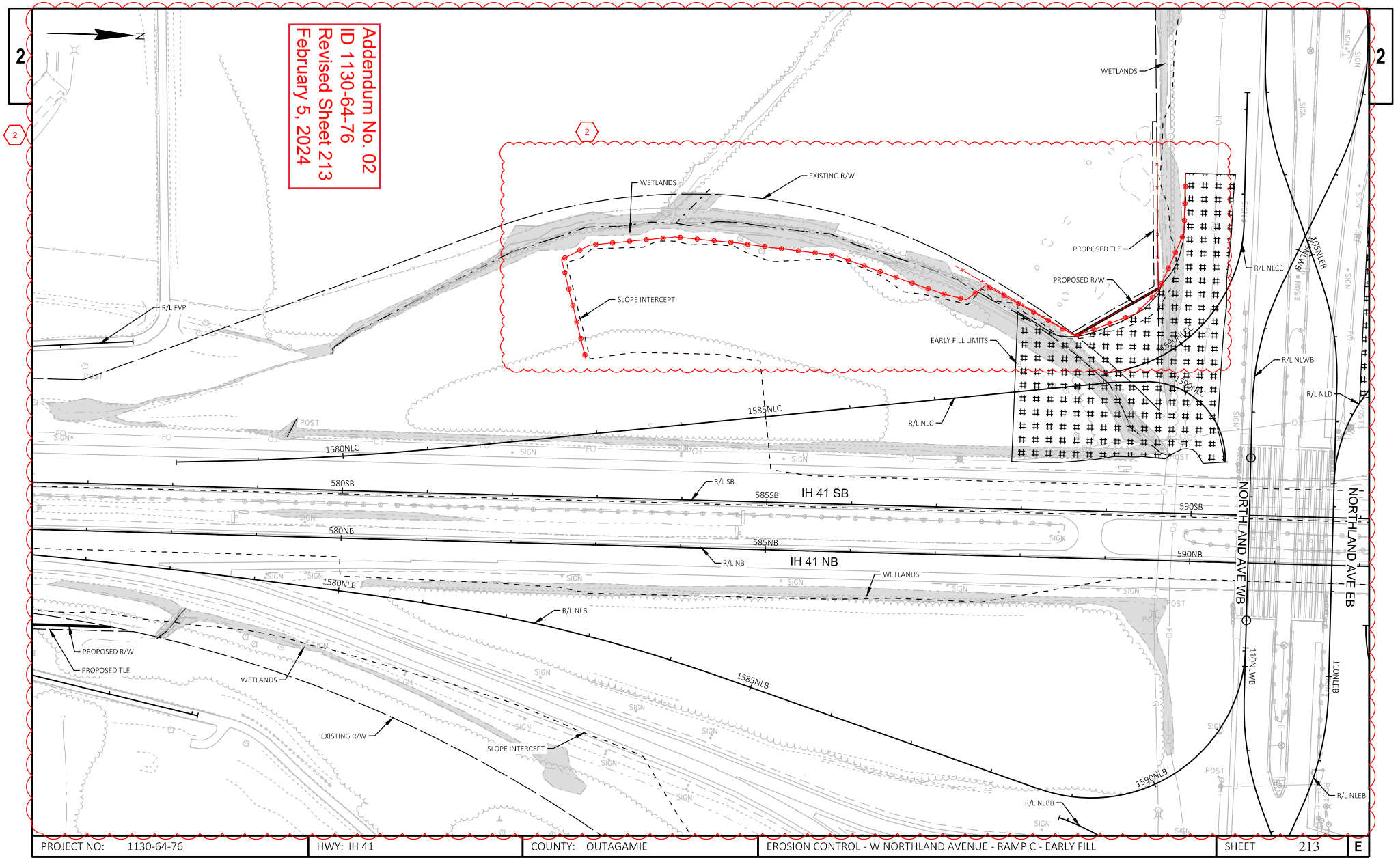


Addendum No. 02
ID 1130-64-76/81
Revised Sheet 212
February 5, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - IH 41 - MAINLINE - INTERIM	SHEET 212	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022002-TEMP-EC.DWG
LAYOUT NAME - 9
PLOT DATE : 1/25/2024 5:16 PM PLOT BY : BRANDON HOFF PLOT NAME : PLOT SCALE : 1 IN:100 FT

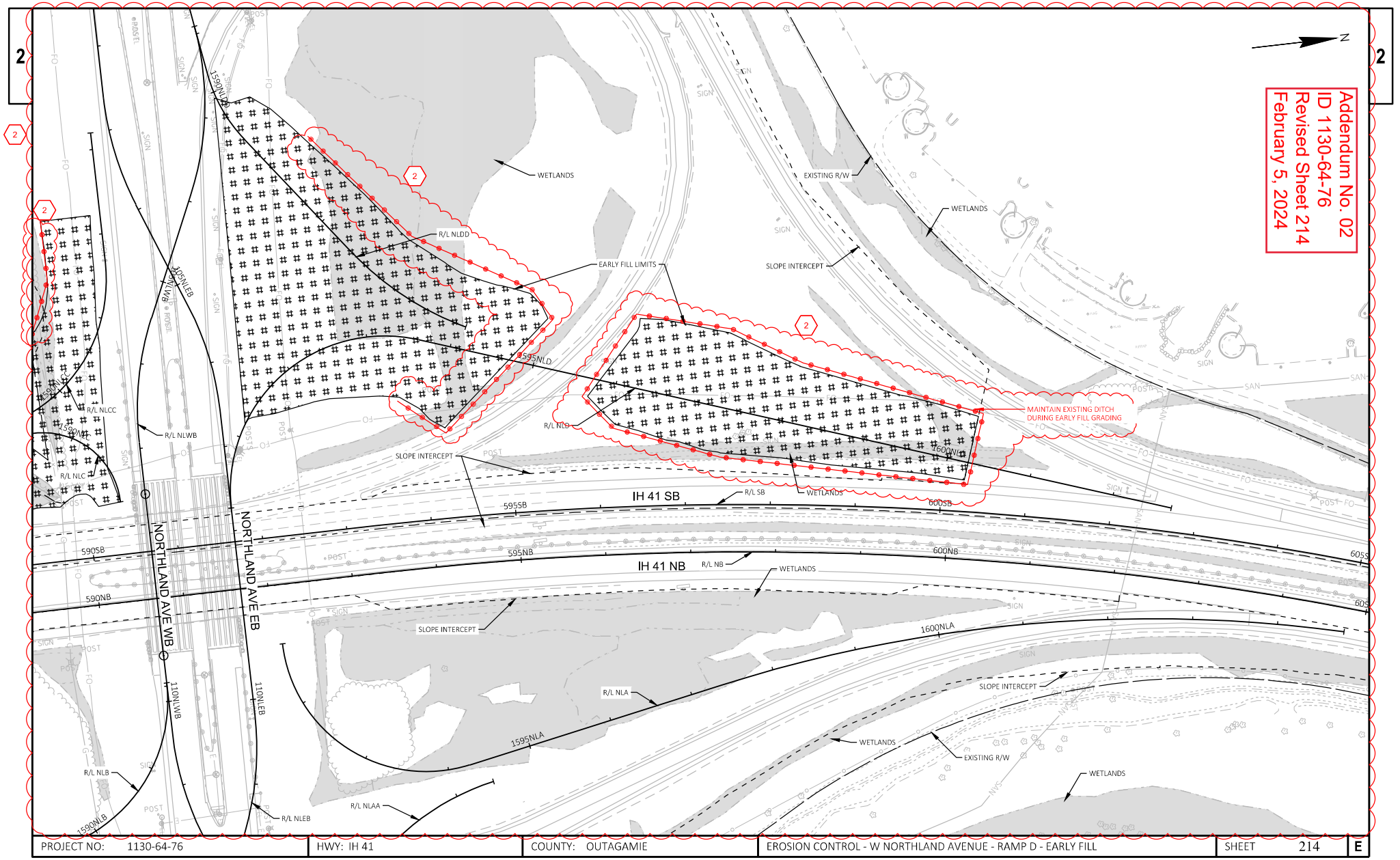
WISDOT/CADDS SHEET 42



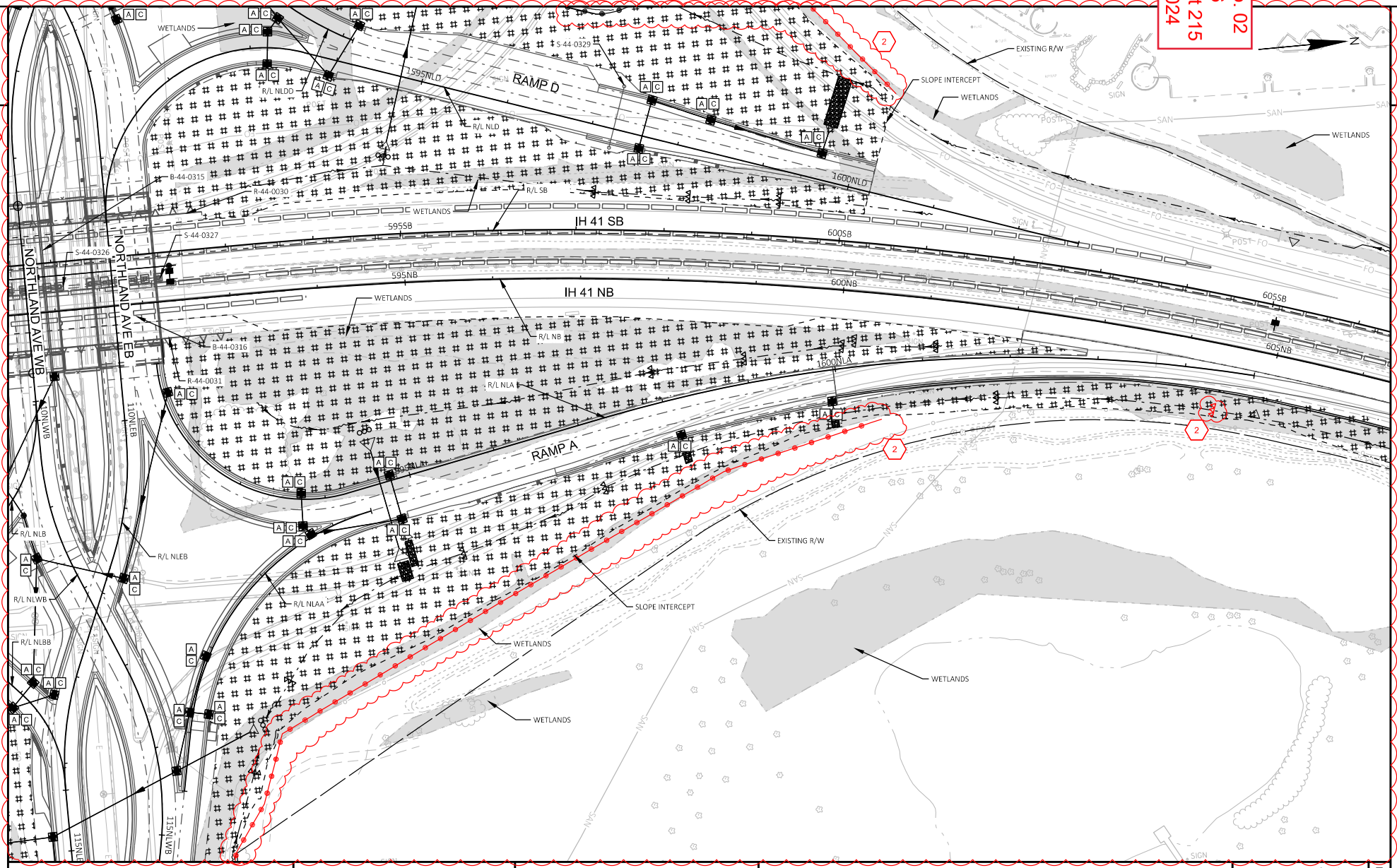
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - W NORTHLAND AVENUE - RAMP C - EARLY FILL	SHEET 213	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022005-EARLY FILL-EC.DWG
LAYOUT NAME - 1
PLOT DATE : 1/26/2024 8:17 AM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42


Addendum No. 02
ID 1130-64-76
Revised Sheet 214
February 5, 2024
N
WETLANDS
EXISTING R/W
WETLANDS
R/L NLDD
EARLY FILL LIMITS
SLOPE INTERCEPT
595NLD
MAINTAIN EXISTING DITCH DURING EARLY FILL GRADING
R/L NLCC
R/L NLWB
R/L NLC
R/L NDD
1600NWB
SLOPE INTERCEPT
IH 41 SB
R/L SB
595SB
WETLANDS
600SB
590SB
595NB
600NB
IH 41 NB
R/L NB
WETLANDS
590NB
SLOPE INTERCEPT
1600NLA
NORTHLAND AVE EB
NORTHLAND AVE WB
110NLWB
110NLEB
R/L NLA
SLOPE INTERCEPT
1595NLA
WETLANDS
EXISTING R/W
R/L NLB
WETLANDS
R/L NLAA
R/L NLEB
1590NLB
PROJECT NO: 1130-64-76
HWY: IH 41
COUNTY: OUTAGAMIE
EROSION CONTROL - W NORTHLAND AVENUE - RAMP D - EARLY FILL
SHEET 214
E
FILE NAME : C:\USERS\DCARY\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022005-EARLY FILL-EC.DWG
LAYOUT NAME - 2
PLOT DATE : 1/30/2024 5:34 PM
PLOT BY : DAN CARY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

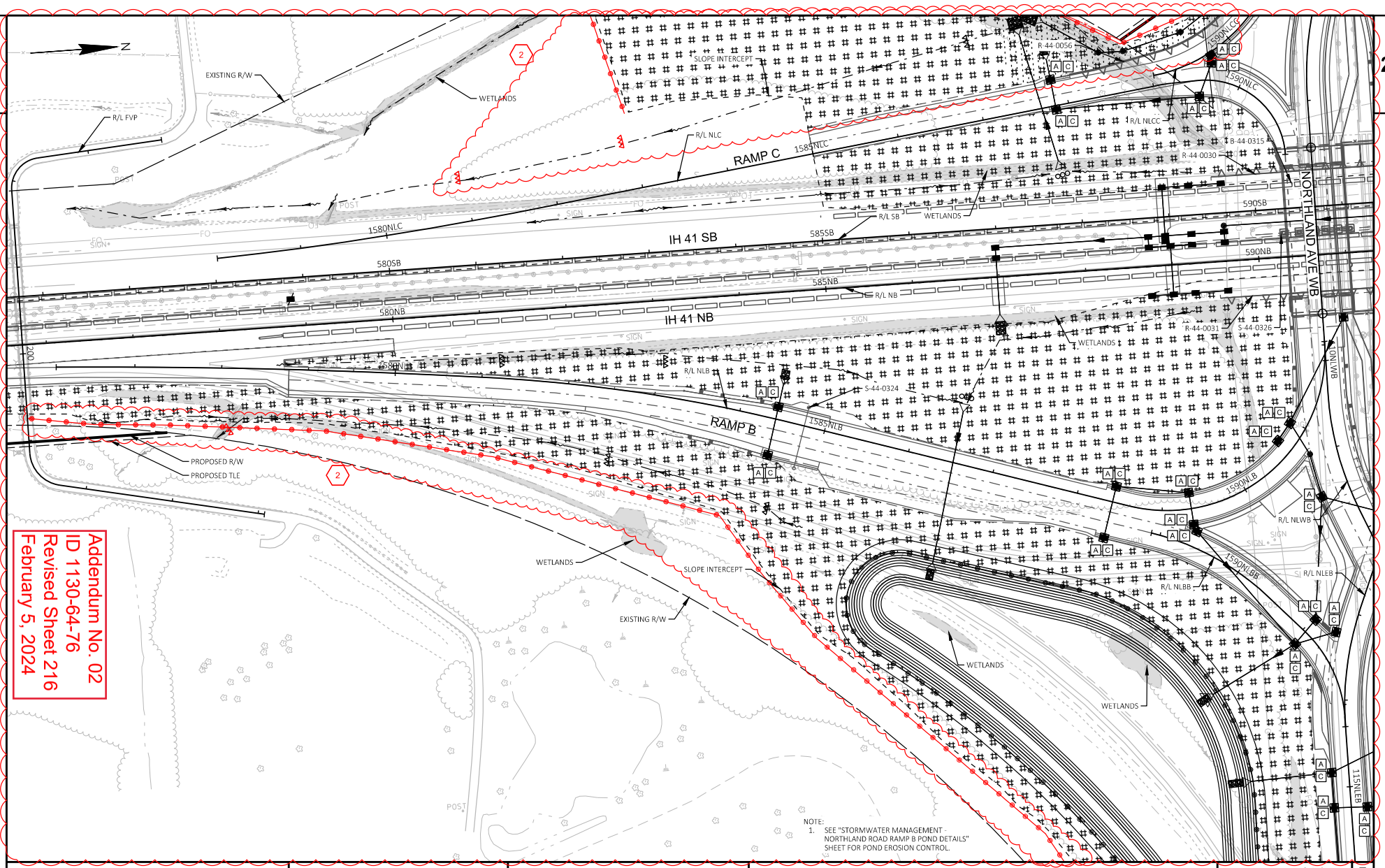
Addendum No. 02
ID 1130-64-76
Revised Sheet 215
February 5, 2024



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - W NORTHLAND AVENUE - RAMP A	SHEET 215	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022005-EC.DWG
LAYOUT NAME - 1
PLOT DATE : 1/26/2024 8:40 AM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

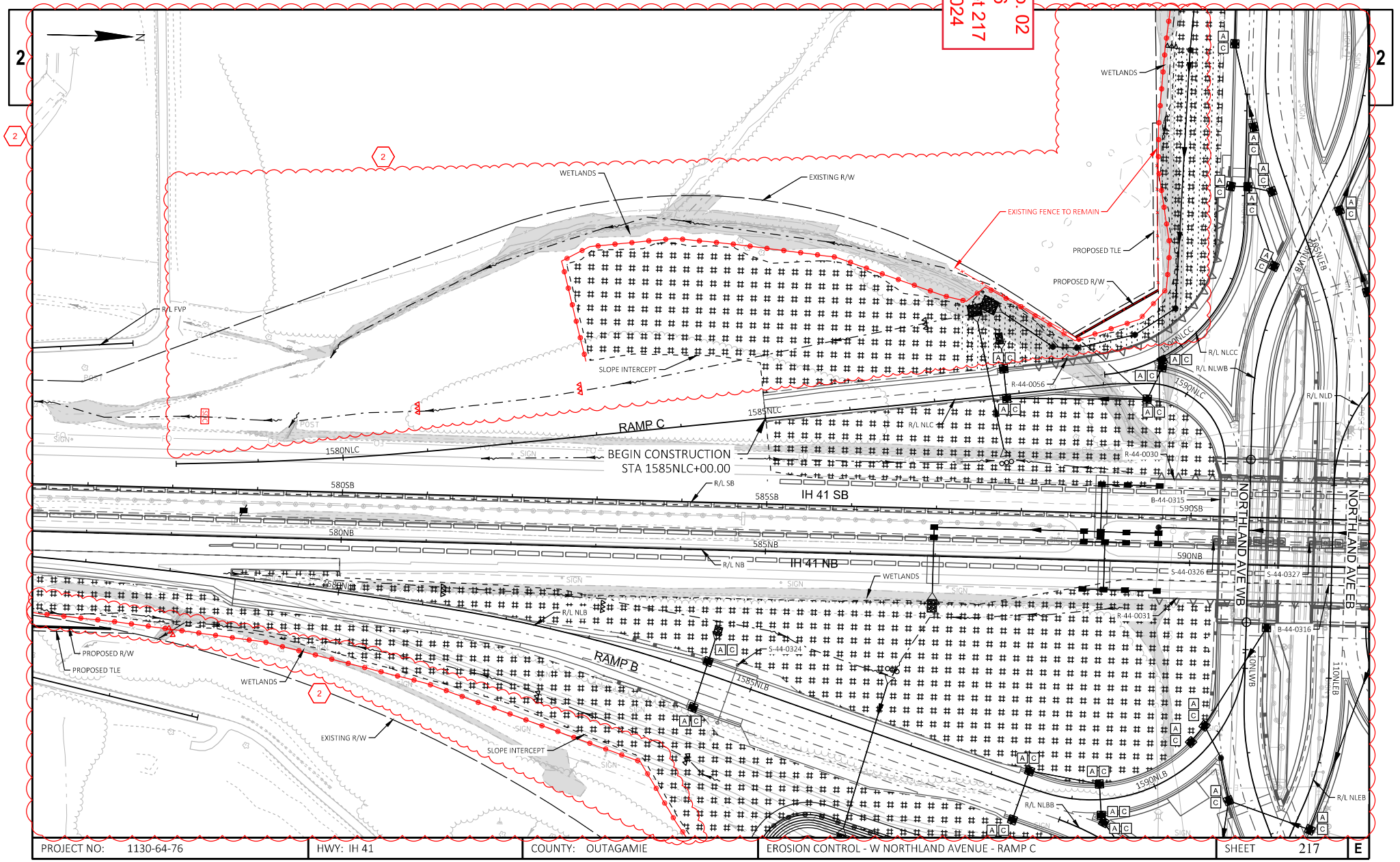


PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL: W NORTHLAND AVENUE - RAMP B	SHEET 216	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022005-EC.DWG
LAYOUT NAME - 2
PLOT DATE : 1/26/2024 8:43 AM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

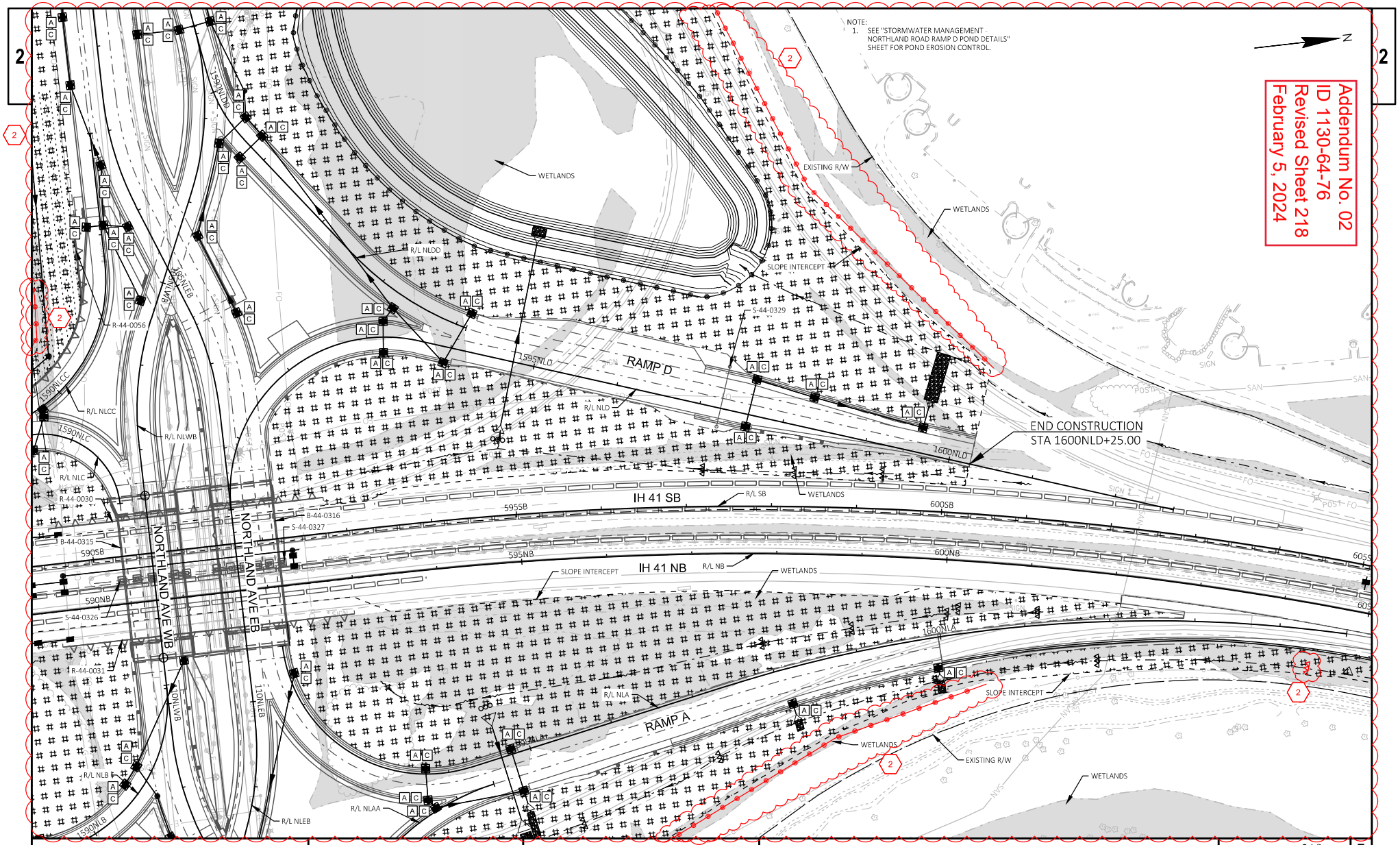
Addendum No. 02
ID 1130-64-76
Revised Sheet 217
February 5, 2024



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - W NORTHLAND AVENUE - RAMP C	SHEET 217 E

FILE NAME : C:\USERS\DCARY\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022005-EC.DWG
LAYOUT NAME - 3
PLOT DATE : 1/30/2024 5:22 PM
PLOT BY : DAN CARY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

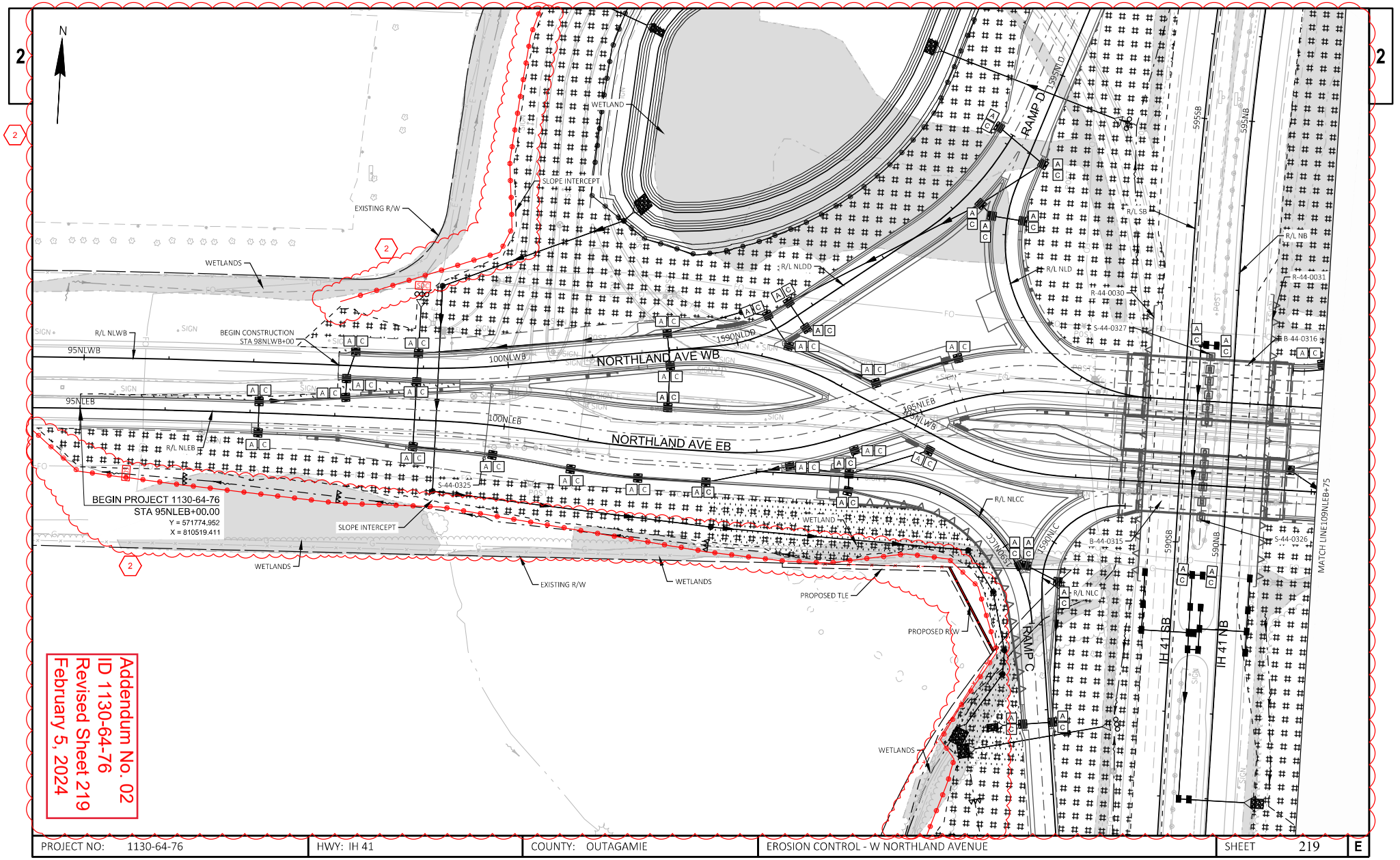
WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - W NORTHLAND AVENUE - RAMP D	SHEET 218	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022005-EC.DWG
LAYOUT NAME - 4
PLOT DATE : 1/26/2024 8:47 AM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

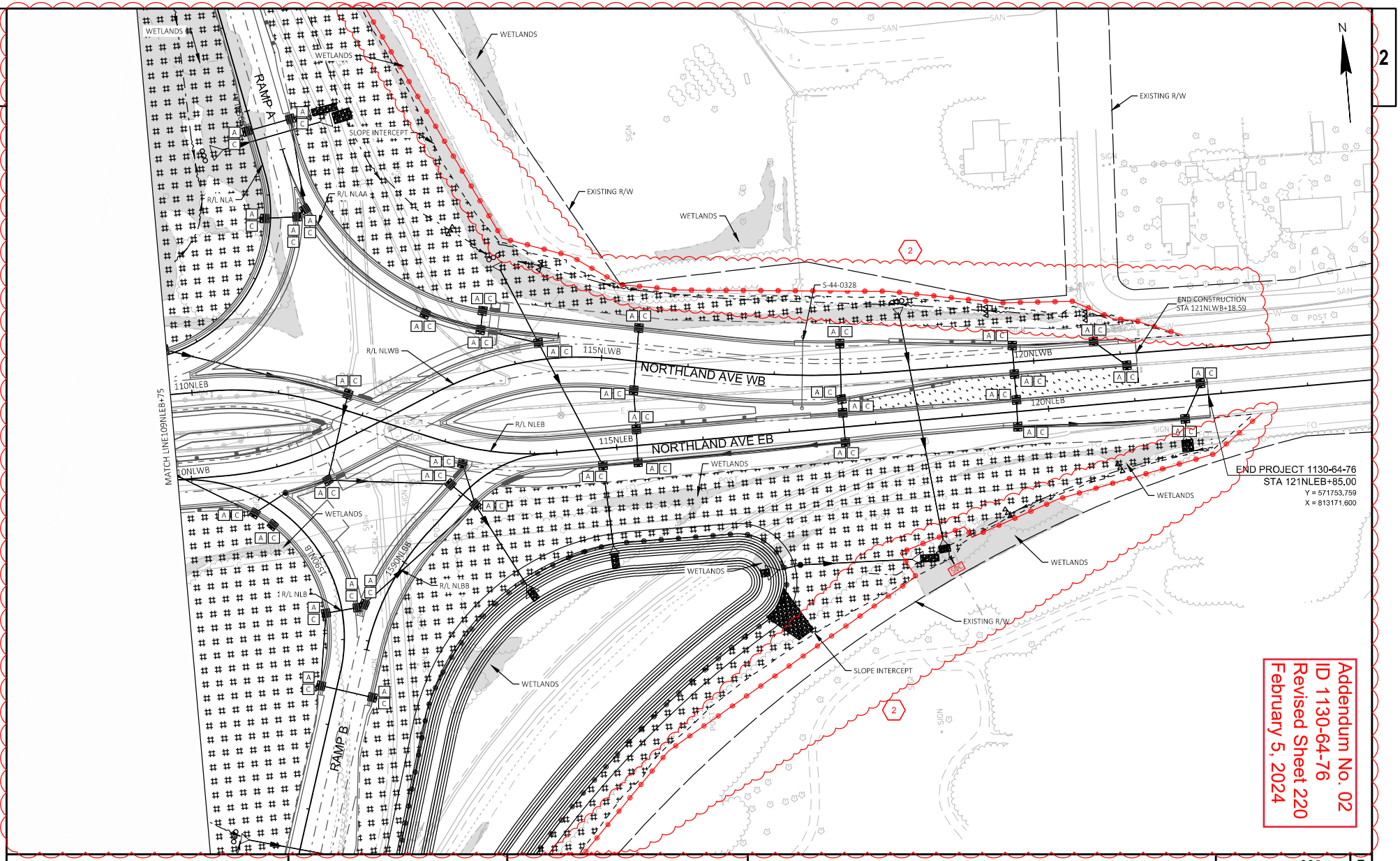
WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - W NORTHLAND AVENUE	SHEET 219	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022008-EC.DWG
LAYOUT NAME - 1
PLOT DATE : 1/26/2024 2:15 PM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

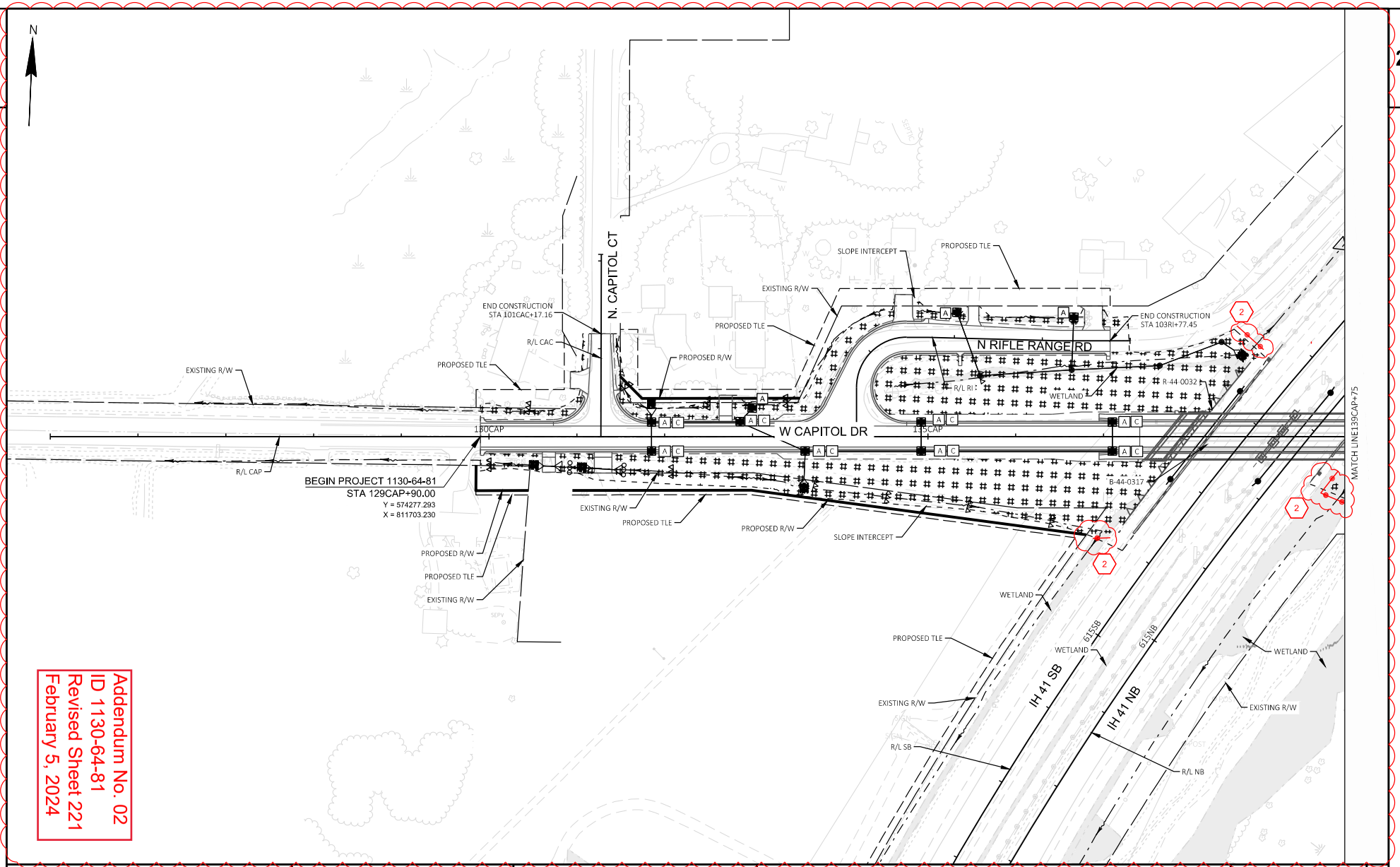
WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - W NORTHLAND AVENUE	SHEET 220	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022008-EC.DWG
LAYOUT NAME - 2
PLOT DATE : 1/26/2024 2:19 PM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

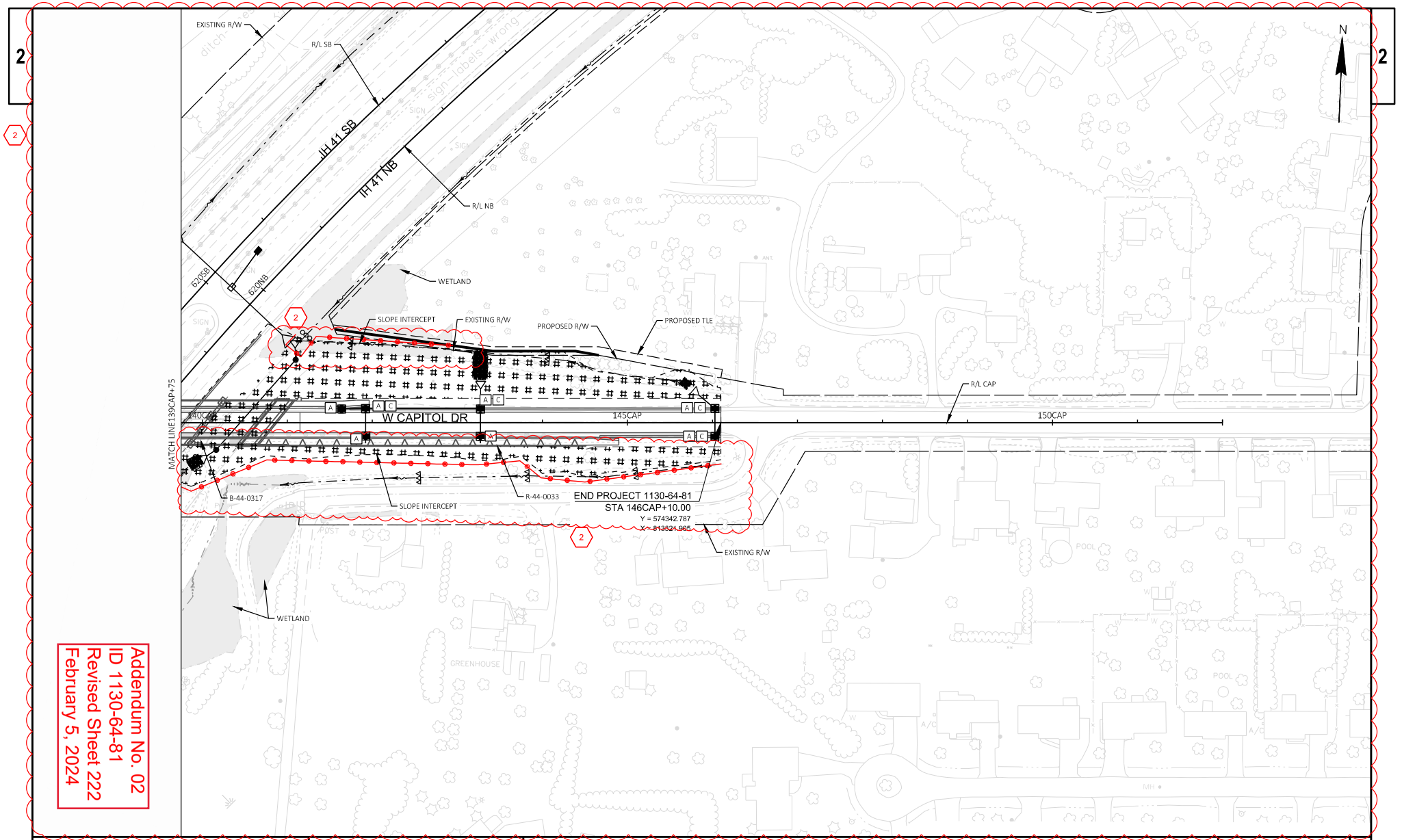
WISDOT/CADDS SHEET 42



Addendum No. 02
ID 1130-64-81
Revised Sheet 221
February 5, 2024

PROJECT NO: 1130-64-81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL: W CAPITOL DRIVE	SHEET 221	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306481\SHEETS\022009-EC.DWG
LAYOUT NAME - 1
PLOT DATE : 1/26/2024 9:06 AM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



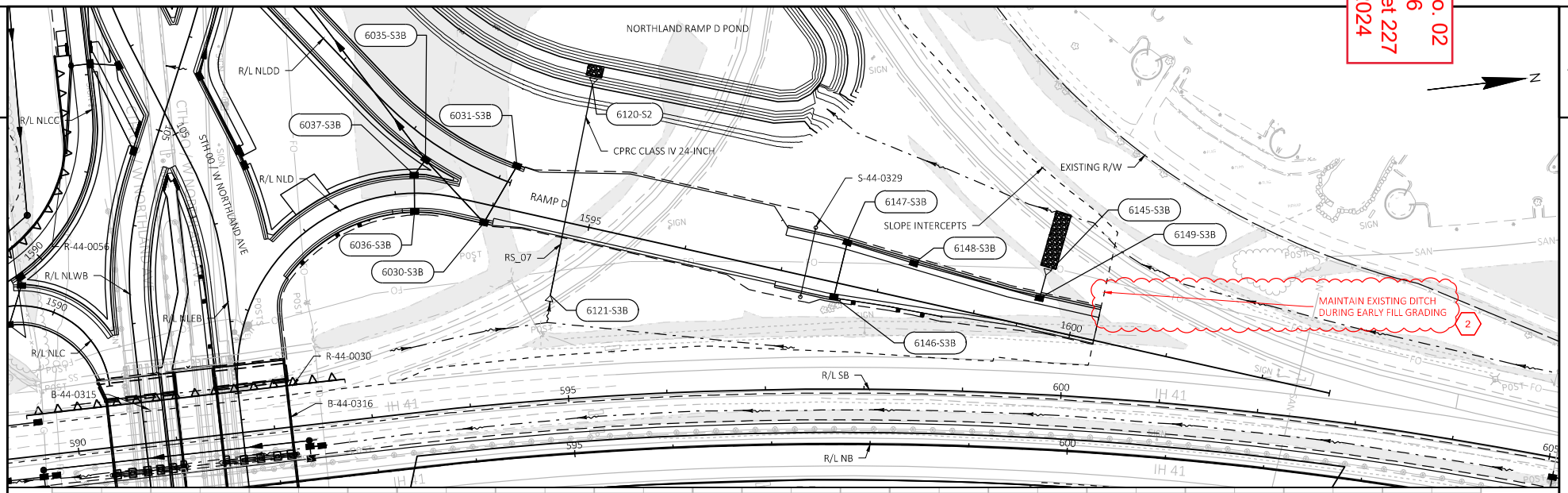
Addendum No. 02
ID 1130-64-81
Revised Sheet 222
February 5, 2024

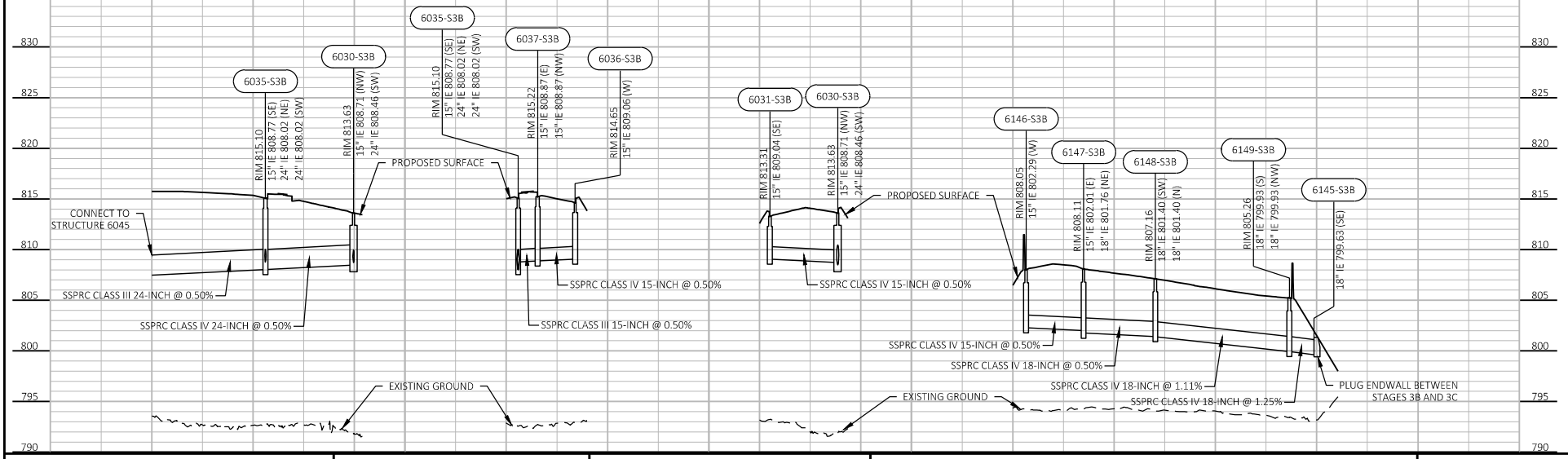
PROJECT NO: 1130-64-81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL: W CAPITOL DRIVE	SHEET 222	E

FILE NAME : C:\USERS\BHOFF\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306481\SHEETS\022009-EC.DWG
LAYOUT NAME - 2
PLOT DATE : 1/26/2024 9:07 AM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

Addendum No. 02
ID 1130-64-76
Revised Sheet 227
February 5, 2024

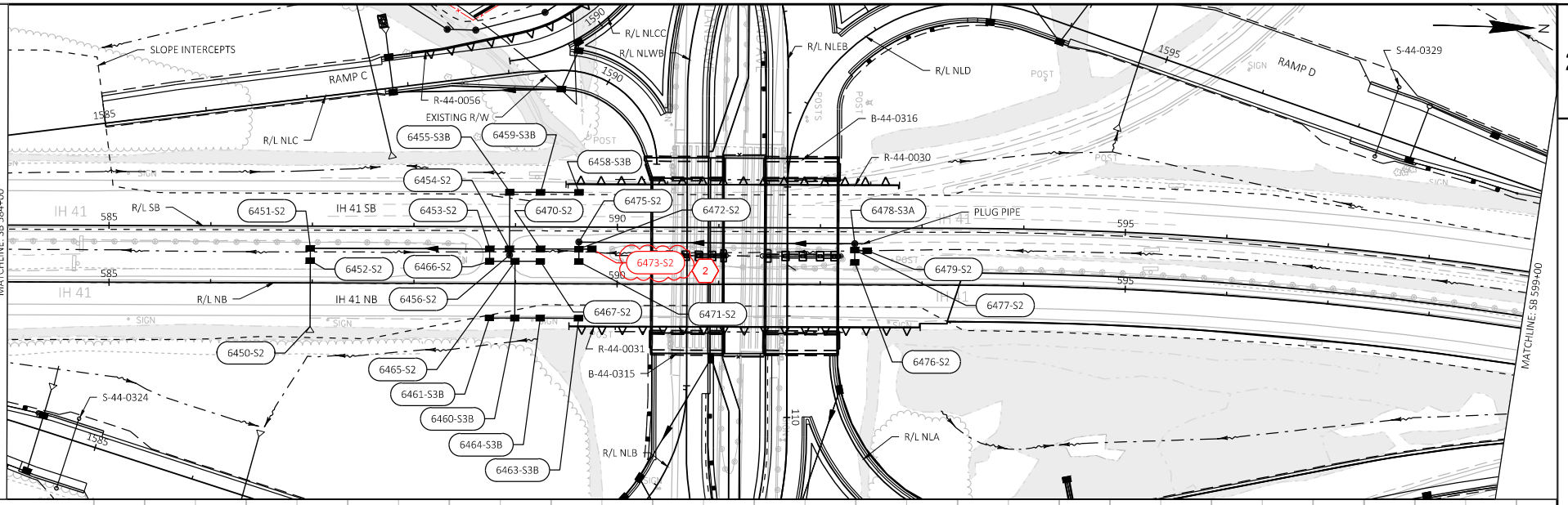


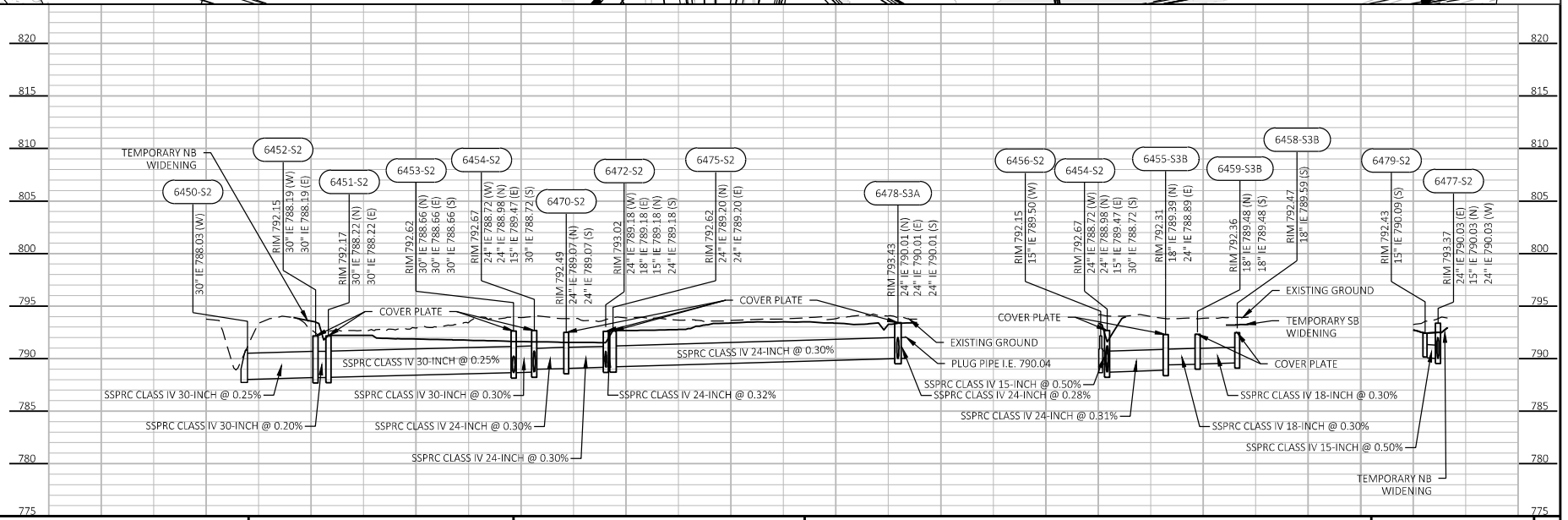


PROJECT NO: 1130-64-76	HWY: IH-41	COUNTY: OUTAGAMIE	STORM SEWER PLAN AND PROFILE W NORTHLAND AVE - RAMP D	SHEET 227	E

FILE NAME : C:\USERS\EREGIER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022505_SS.DWG
LAYOUT NAME - 004
PLOT DATE : 1/29/2024 10:59 AM
PLOT BY : ELIZABETH REGIER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 41



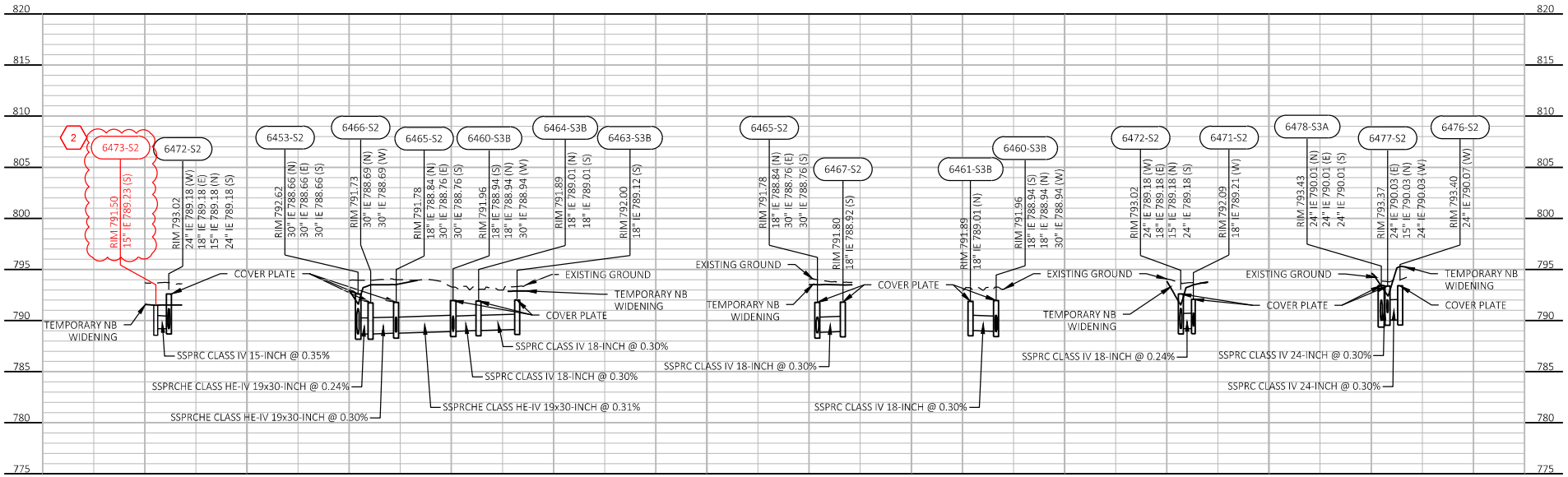


Addendum No. 02
ID 1130-64-76
Revised Sheet 237
February 5, 2024

PROJECT NO: 1130-64-76	HWY: IH-41	COUNTY: OUTAGAMIE	STORM SEWER PLAN AND PROFILE IH 41	SHEET 237	E

FILE NAME : C:\USERS\EREGIER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022508_SS.DWG
LAYOUT NAME - 004
PLOT DATE : 1/25/2024 12:07 PM
PLOT BY : ELIZABETH REGIER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41

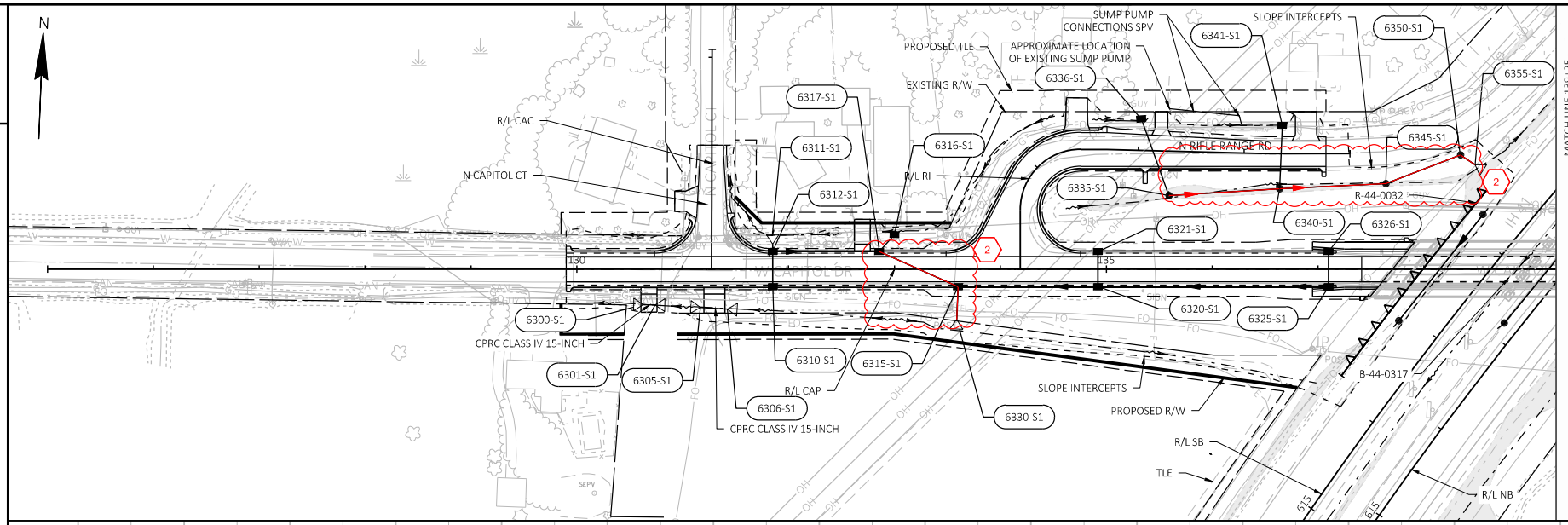
2

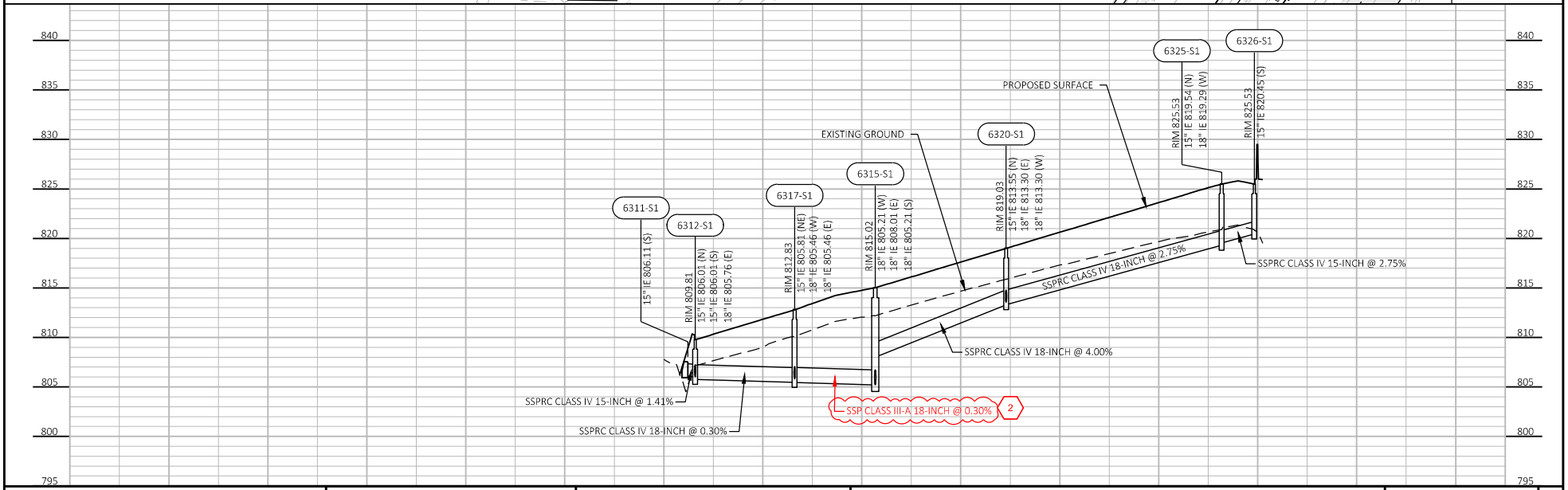


Addendum No. 02
ID 1130-64-76
Revised Sheet 238
February 5, 2024

PROJECT NO: 1130-64-76	HWY: IH-41	COUNTY: OUTAGAMIE	STORM SEWER PROFILES W NORTHLAND AVE	SHEET 238	E

FILE NAME : C:\USERS\EREGIER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022508_SS.DWG
LAYOUT NAME - 004(1)
PLOT DATE : 1/26/2024 1:49 PM
PLOT BY : ELIZABETH REGIER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



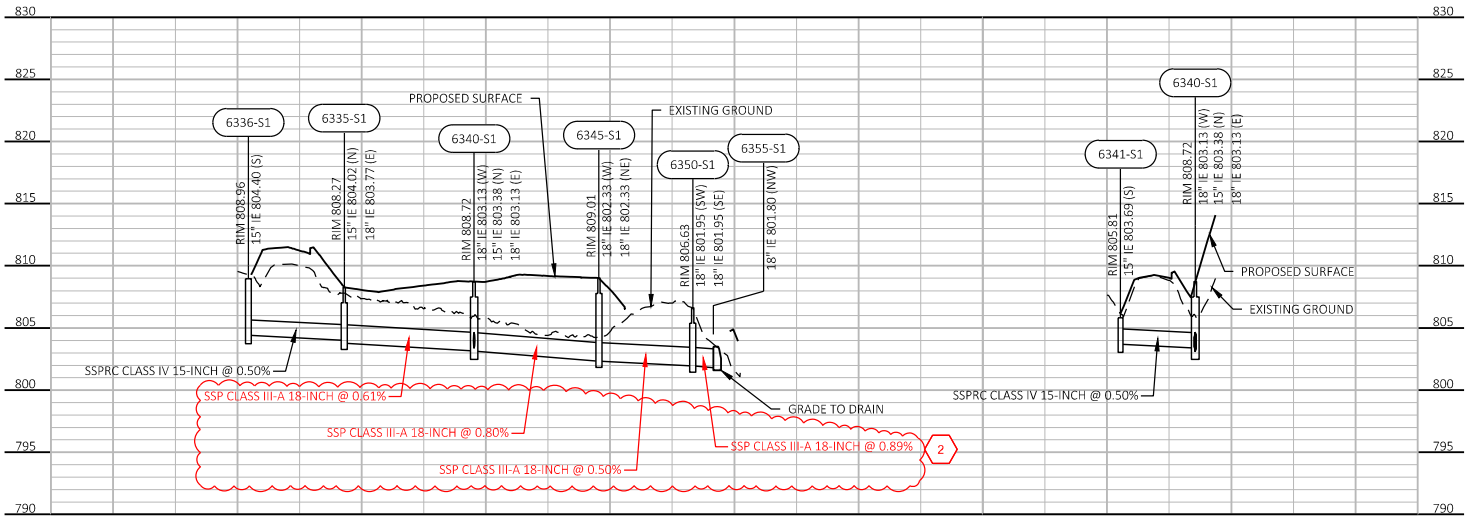


Addendum No. 02
ID 1130-64-81
Revised Sheet 240
February 5, 2024

PROJECT NO: 1130-64-81	HWY: IH-41	COUNTY: OUTAGAMIE	STORM SEWER PLAN AND PROFILE W CAPITOL DRIVE	SHEET 240	E

FILE NAME : C:\USERS\EREGIER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306481\SHEETS\022509_SS.DWG
LAYOUT NAME - 001
PLOT DATE : 1/25/2024 11:54 AM
PLOT BY : ELIZABETH REGIER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 41

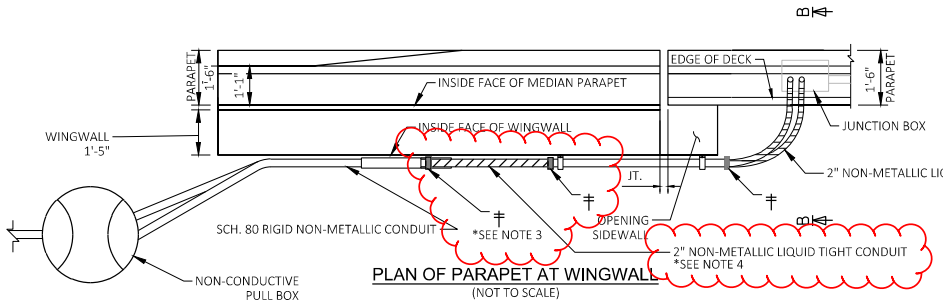


Addendum No. 02
ID 1130-64-81
Revised Sheet 241
February 5, 2024

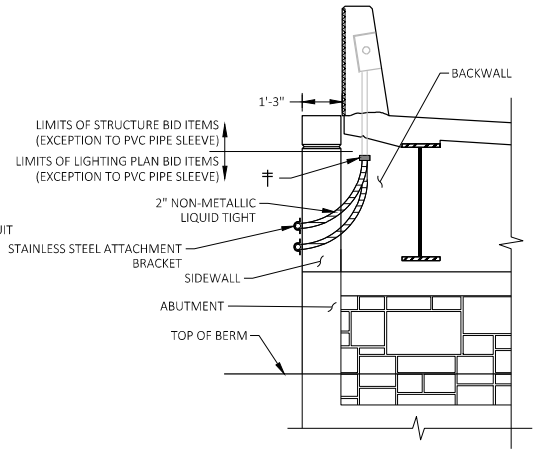
PROJECT NO: 1130-64-81	HWY: IH-41	COUNTY: OUTAGAMIE	STORM SEWER PROFILE W CAPITOL DRIVE	SHEET 241	E

FILE NAME : C:\USERS\EREGIER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306481\SHEETS\022509_SS.DWG
LAYOUT NAME - 001(1)
PLOT DATE : 1/25/2024 11:58 AM
PLOT BY : ELIZABETH REGIER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

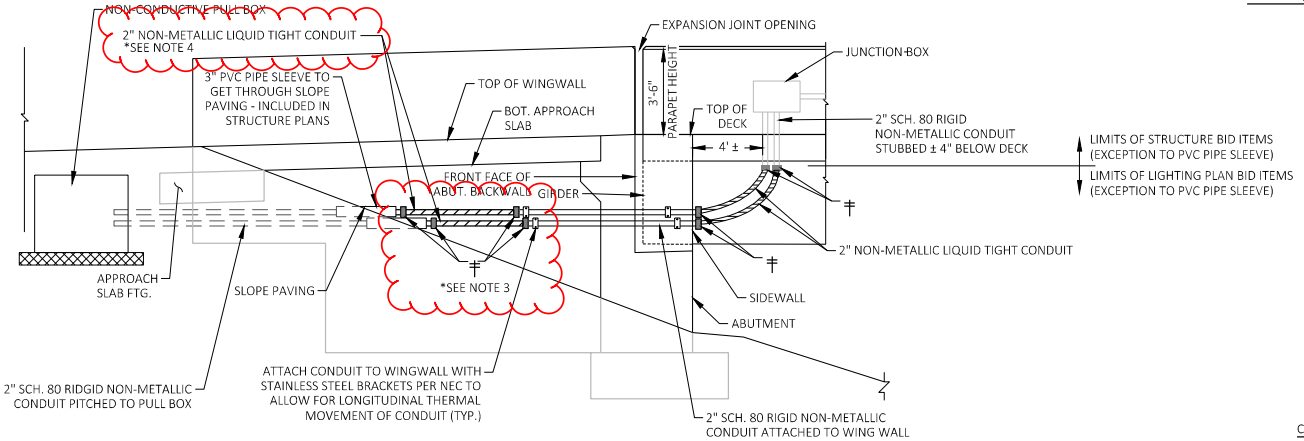
Addendum No. 02
ID 1130-64-76
Revised Sheet 270
February 5, 2024



PLAN OF PARAPET AT WINGWALL
(NOT TO SCALE)



VIEW B-B
(NOT TO SCALE)



OUTSIDE ELEVATION OF PARAPET AT WINGWALL
(NOT TO SCALE)

LEGEND

‡ NONMETALLIC CONDUIT TO NONMETALLIC LIQUID TIGHT FLEXIBLE CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).

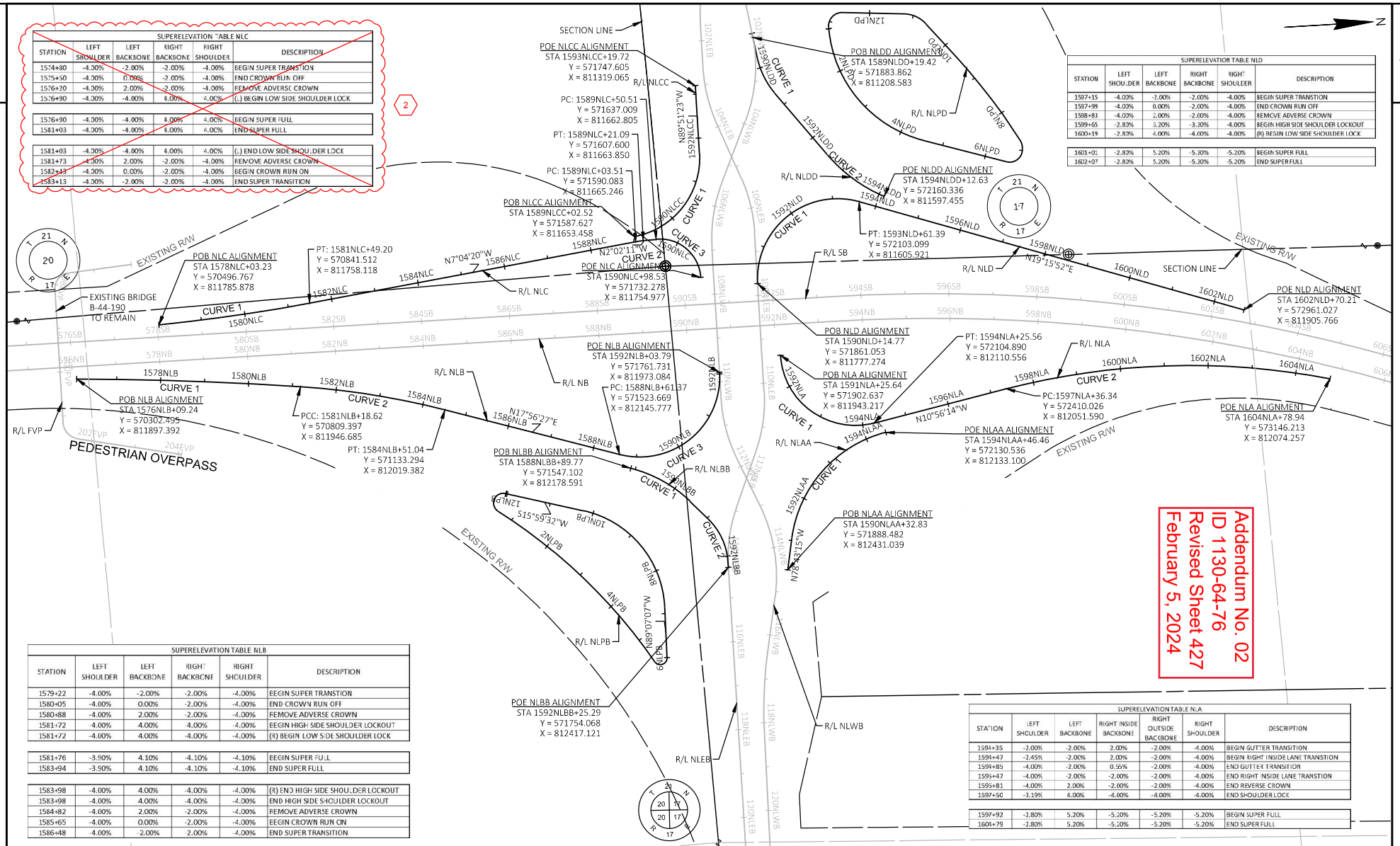
CONSTRUCTION NOTES:

1) APPLICABLE FOR B-44-0315 & B-44-0316, SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION.
2) CONDUIT FITTINGS, CONDUIT BENDS AND ADAPTER FITTINGS ARE INCIDENTAL TO CONDUIT WORK.
3) EXPOSE AND STUB SCHEDULE 80 PVC CONDUIT 6" BEYOND THE EMBEDDED PIPE SLEEVE FOR CONNECTION TO THE LIQUID TIGHT AS SHOWN ON THE DETAIL.
4) INSTALL A MINIMUM 4' LENGTH OF NON-METALLIC LIQUID TIGHT CONDUIT BETWEEN THE PIPE SLEEVE AND WINGWALL BRACKET. ENSURE SUFFICIENT SLACK IS PROVIDED IN CONDUIT RUN TO ACCOMODATE DIFFERENTIAL SETTLING OF THE SLOPE PAVING AND BRIDGE ABUTMENT. VERIFY WITH THE ENGINEER IN THE FIELD.

BRIDGE ABUTMENT CONDUIT DETAIL
NO SCALE

PROJECT NO: 1130-64-76	HWY: STH 15	COUNTY: OUTAGAMIE	LIGHTING PLANS - BRIDGE ABUTMENT CONDUIT DETAIL	SHEET 270	E

FILE NAME : G:\WDOTNE\USH 41 CORRIDOR LIGHTING\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\BRIDGE ABUTMENT CONDUIT DETAIL.DWG
LAYOUT NAME - DETAIL
PLOT DATE : 1/22/2024 2:14 PM
PLOT BY : ISAIAH ADAMS
PLOT NAME :
PLOT SCALE : XXXXXX
WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	ALIGNMENT PLAN - W NORTHLAND AVENUE RAMPS	SHEET 427	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\027205-AD.DWG
LAYOUT NAME - 2
PLOT DATE : 1/29/2024 9:58 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

RIPRAP & GEOTEXTILE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY
1000	**W. NORTHLAND AVENUE**							2	
		101NLEB+40.02	-	-	291.75	LT	-	23	-
		114NLEB+04.12	-	-	166.18	RT	-	19	-
		114NLEB+87.25	-	-	133.96	RT	-	26	-
		116NLEB+52.68	-	-	159.89	RT	-	17	-
		116NLEB+77.05	-	-	194.91	RT	-	103	-
	2	118NLEB+37.91	-	118NLEB+58.71	159.23	RT	11	-	22
		118NLEB+59.48	-	118NLEB+72.38	147.13	RT	10	-	20
		121NLEB+49.86	-	121NLEB+62.45	57.28	RT	13	-	26
								2	2
	RAMP A								
		1594NLA+60.54	-	1594NLA+68.61	89.1	RT	20	-	40
		1594NLA+73.21	-	1594NLA+81.35	72.02	RT	17	-	34
		1598NLA+08.46	-	1598NLA+16.83	62.15	RT	9	-	18
		1599NLA+88.13	-	1599NLA+96.46	52.16	RT	10	-	20
	RAMP B								
		1584NLB+37.84	-	1584NLB+45.66	44.89	LT	8	-	16
		1586NLB+66.11	-	1586NLB+76.58	154.87	LT	14	-	28
		1586NLB+58.92	-	-	136.32	RT	-	22	-
									2
	SUBTOTAL						112	210	224
									2

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CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

RIPRAP & GEOTEXTILE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY
1000	**RAMP C**						2		2
		1587NLC+63.52	-	1587NLC+79.19	104.97	LT	20	-	40
		1587NLC+50.34	-	1587NLC+66.23	94.51	LT	16	-	32
		1587NLC+79.69	-	1587NLC+87.70	59.81	LT	9	-	18
	RAMP D							2	
		1593NLD+65.34	-	-	456.51	LT	-	26	-
		1594NLD+71.66	-	-	157.66	LT	-	17	-
		1599NLD+56.27	-	1599NLD+72.27	62.43	LT	54	-	108 2
						2			
	POND B								
		POND B	-	POND B	-	-	-	-	11279
	POND D								
		POND D	-	POND D	-	-	-	-	14354
	SUBTOTAL						99	43	25831
	UNDISTRIBUTED						21	25	2606
	PROJECT 1130-64-76 TOTAL						**240**	**280**	**28700** 2

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SILT FENCE

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
1000		**IH 41**					
		575NB+71.87	-	578NB+69.98	RT	301	3010
	W. NORTHLAND AVENUE						
		94NLEB+37.23	-	104NLEB+79.53	LT	1116	11160
2		97NLWB+98.68	-	100NLWB+19.34	LT	229	2290
		114NLWB+67.76	-	121NLWB+73.86	LT	722	7220
		116NLEB+94.91	-	122NLEB+45.17	RT	653	6530
	RAMP A						
		1593NLA+61.90	-	1600NLA+47.14	RT	857	8570
	RAMP B						
		1578NLB+77.48	-	1588NLB+97.07	RT	1228	12280
	RAMP C						
		1582NLC+95.86	-	1589NLC+61.62	LT	892	8920
		1582NLC+95.86	-	1589NLC+63.68	LT	1022	10220
	RAMP D						
		1592NLD+82.37	-	1593NLD+46.51	LT/RT	621	6210
		1592NLD+93.98	-	1600NLD+27.65	LT	1211	12110
		1595NLD+73.01	-	1600NLD+30.00	LT/RT	1106	11060
	POND B						
		0NLPB+00.00	-	12NLPB+03.16	RT	1450	14500
	POND D						
		1NLPD+00.00	-	12NLPD+17.00	RT	1577	15770
	SUBTOTAL					11568	115680
	UNDISTRIBUTED					1157	11568
	PROJECT 1130-64-76 TOTAL					2 **12730**	**127300**

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EROSION MAT

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	628.2002 EROSION MAT CLASS I TYPE A SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY
1000								
		IH 41						
		604SB+47.11	-	615SB+84.24	89.55	LT	682	-
		618SB+65.15	-	657SB+24.51	69.29	LT	2229	-
	W. NORTHLAND AVENUE							
		94NLEB+49.42	-	102NLEB+95.88	23.83	RT	4098	-
		95NLEB+14.85	-	99NLEB+09.70	18.24	LT	629	-
		97NLWB+59.95	-	102NLWB+32.23	30.12	LT	8960	
		114NLEB+30.52	-	121NLEB+85.00	43.00	RT	7648	-
		114NLWB+56.63	-	121NLWB+18.59	57.00	LT	2119	-
		117NLEB+78.21	-	121NLEB+02.06	17.86	LT	939	
		RAMP A						
		1591NLA+25.64	-	1599NLA+97.39	3.62	LT	10740	-
		1590NLAA+32.83	-	1594NLAA+46.46	31.50	RT	3857	-
		1594NLA+46.46	-	1599NLA+97.39	46.35	RT	4657	-
		1599NLAT+97.39	-	1616NLAT+36.74	40.62	RT	5810	-
		1599NLAT+97.39	-	1602NLAT+85.98	4.00	LT	902	-
		RAMP B						
		1574NLBT+01.47	-	1578NLBT+77.48	26.19	RT	1809	-
		1578NLB+72.86	-	1592NLB+03.79	4.00	LT	12523	-
		1578NLB+77.48	-	1588NLB+87.34	32.00	RT	7766	-
		1588NLBB+89.77	-	1592NLBB+25.29	39.00	RT	2199	-
		RAMP C						
		1583NLC+00.00	-	1589NLC+02.52	90.00	LT	7262	-
		1585NLC+00.00	-	1590NLC+98.53	4.00	RT	5270	-
2		1587NLC+94.66	-	1590NLC+98.53	-	LT/RT	5554	-
		1589NLCC+02.52	-	1593NLCC+19.72	29.50	LT	1840	-
		RAMP D						
		1589NLDD+19.42	-	1600NLD+25.00	37.00	LT	16307	-
		1590NLD+14.77	-	1601NLD+30.61	26.85	RT	8119	-
2		1591NLD+15.78	-	1594NLD+70.53	-	LT/RT	9201	-
		1595NLD+80.33	-	1600NLD+24.61	-	LT/RT	5388	-
		POND B						
		0NLPB+00.00	-	12NLPB+03.16	-	-	-	2319
		POND D						
		1NLPD+00.00	-	13NLPD+17.00	-	RT	-	6016
	SUBTOTAL						136507	8335
	UNDISTRIBUTED						13651	834
	PROJECT 1130-64-76 TOTAL						2 **150200**	**9200**

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INLET PROTECTION

CATEGORY	ROADWAY	STATION	OFFSET	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	**IH 41**						
		578SB+84.14	21.98	RT	1	1	-
		586SB+97.96	19.12	RT	1	1	-
		586NB+97.96	19.12	LT	1	1	-
		588SB+89.35	23.21	RT	1	1	-
		589SB+70.27	20.46	RT	1	1	-
	2	592SB+41.26	17.69	RT	1	1	-
		605SB+02.02	16.47	RT	1	1	-
		620SB+68.84	17.48	RT	1	1	-
		643SB+33.34	18.66	RT	1	1	-
		654SB+10.39	20.13	RT	1	1	-
		667SB+39.79	22.16	RT	1	1	-
	W. NORTHLAND AVENUE						
		97NLEB+05.61	8.65	LT	1	1	-
		97NLEB+05.71	18.51	RT	1	1	-
		98NLEB+07.66	17.11	LT	1	1	-
		98NLEB+89.40	26.52	RT	1	1	-
		99NLEB+85.51	29.82	RT	1	1	-
		100NLEB+81.53	31.99	RT	1	1	-
		101NLEB+57.32	31.88	RT	1	1	-
		101NLEB+86.94	43.63	LT	1	1	-
		102NLEB+37.15	31.76	RT	1	1	-
		103NLEB+31.34	14.75	RT	1	1	-
		104NLEB+06.95	14.68	RT	1	1	-
		104NLEB+54.09	43.62	LT	1	1	-
		105NLEB+52.23	44.05	LT	1	1	-
		111NLEB+72.24	13.70	LT	1	1	-
		113NLEB+20.66	14.73	RT	1	1	-
		114NLEB+77.49	14.70	RT	1	1	-
		115NLEB+18.07	14.70	RT	1	1	-
		115NLEB+19.59	13.70	LT	1	1	-
		117NLEB+58.27	11.73	LT	1	1	-
		117NLEB+58.37	12.63	RT	1	1	-
		119NLEB+59.18	8.70	LT	1	1	-
		119NLEB+58.33	12.49	RT	1	1	-
		121NLEB+51.08	20.70	RT	1	1	-
		121NLEB+72.18	8.70	LT	1	1	-
	SUBTOTAL				2 35	35	-

INLET PROTECTION

CATEGORY	ROADWAY	STATION	OFFSET	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	**W. NORTHLAND AVENUE**						
		98NLWB+05.23	10.70	RT	1	1	-
		98NLWB+14.91	11.34	LT	1	1	-
		98NLWB+87.79	11.07	RT	1	1	-
		98NLWB+88.87	12.77	LT	1	1	-
		101NLWB+85.22	14.77	LT	1	1	-
		101NLWB+85.22	13.43	RT	1	1	-
		103NLWB+22.46	14.65	LT	1	1	-
		105NLWB+22.83	13.66	RT	1	1	-
		109NLWB+46.67	19.04	LT	1	1	-
		111NLWB+47.90	33.50	RT	1	1	-
		114NLWB+29.71	19.52	LT	1	1	-
		115NLWB+34.44	33.41	LT	1	1	-
		115NLWB+35.97	28.77	RT	1	1	-
		117NLWB+71.57	24.06	RT	1	1	-
		117NLWB+71.84	31.21	LT	1	1	-
		119NLWB+71.78	8.76	RT	1	1	-
		119NLWB+71.38	15.09	LT	1	1	-
		120NLWB+65.73	11.65	LT	1	1	-
		121NLWB+01.81	8.76	RT	1	1	-
	SUBTOTAL				19	19	-

CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

INLET PROTECTION

CATEGORY	ROADWAY	STATION	OFFSET	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	**RAMP A**						
		1591NLAA+17.8	1.04	LT	1	1	-
		1591NLAA+18.76	13.16	RT	1	1	-
		1591NLA+55.67	1.796	LT	1	1	-
		1591NLAA+83.59	1.20	RT	1	1	-
		1593NLA+67.8	1.49	LT	1	1	-
		1593NLAA+64.03	13.91	LT	1	1	-
		1593NLA+67.80	1.49	LT	1	1	-
		1594NLA+72.86	1.582	LT	1	1	
		1594NLA+82.27	40.78	RT	1	1	-
		1598NLA+16.41	36.63	RT	1	1	-
		1599NLA+96.86	31.07	RT	1	1	-
	RAMP B						
		1584NLB+37.18	9.643	LT	1	1	-
		1584NLB+47.76	37.69	RT	1	1	-
		1588NLB+37.10	13.70	LT	1	1	-
		1588NLB+46.70	37.70	RT	1	1	-
		1589NLB+28.49	13.632	LT	1	1	-
		1589NLBB+33.09	13.736	LT	1	1	-
		1589NLB+38.47	14.17	RT	1	1	-
		1590NLB+63.50	13.628	LT	1	1	-
		1590NLB+91.18	13.775	LT	1	1	-
		1590NLBB+97.87	13.7	LT	1	1	-
		1591NLBB+10.58	13.629	RT	1	1	-
SUBTOTAL					22	22	-

INLET PROTECTION

CATEGORY	ROADWAY	STATION	OFFSET	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
1000	**RAMP C**						
		1587NLC+89.60	0.3	LT	1	1	-
		1587NLC+89.60	25.7	LT	1	1	-
		1589NLC+57.41	13.735	RT	1	1	-
		1589NLC+61.90	15.807	LT	1	1	-
		1589NLCC+77.02	1.236	LT	1	1	-
		1592NLCC+14.61	11.217	LT	1	1	-
		1592NLCC+15.49	1.312	LT	1	1	-
	RAMP D						
		1590NLDD+41.56	13.86	LT	1	1	-
		1590NLDD+73.15	13.83	LT	1	1	-
		1590NLDD+83.2	13.34	RT	1	1	-
		1593NLD+14.91	13.76	LT	1	1	-
		1593NLD+24.56	13.63	RT	1	1	-
		1593NLDD+31.70	13.63	RT	1	1	-
		1593NLD+90.63	13.60	RT	1	1	-
		1594NLDD+07.72	13.90	LT	1	1	-
		1597NLD+52.98	9.89	RT	1	1	-
		1597NLD+54.45	37.72	LT	1	1	-
		1598NLD+24.99	31.88	LT	1	1	-
		1599NLD+57.07	25.21	LT	1	1	-
	SUBTOTAL				19	19	-
	UNDISTRIBUTED				10	10	10
	PROJECT 1130-64-76 TOTAL				2 **105**	**105**	**10**

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TEMPORARY DITCH CHECKS

CATEGORY	ROADWAY	STATION	OFFSET	LOCATION	628.7504 TEMPORARY DITCH CHECKS LF
1000	**W. NORTHLAND AVENUE**				
		96NLEB+23.32	73.13	RT	15
		98NLEB+07.05	87.57	RT	15
		102NLEB+49.18	103.49	RT	15
	2	119NLEB+40.00	108.21	RT	15
		119NLWB+51.31	53.82	LT	15
		120NLWB+64.98	39.43	LT	15
		120NLEB+19.42	59.40	RT	15
		120NLEB+73.63	67.92	RT	15
	RAMP A				
		1590NLAA+61.97	69.98	RT	15
		1592NLAA+06.07	88.40	RT	15
		1595NLA+34.60	95.61	RT	15
		1597NLA+09.94	69.55	RT	15
		1597NLA+96.03	28.70	LT	15
		1599NLA+01.40	20.59	LT	15
		1599NLA+87.06	44.29	RT	15
		1600NLA+10.89	17.75	LT	15
		1600NLA+25.48	22.01	LT	15
		1601NLA+17.54	7.84	LT	15
	2	1601NLA+85.00	37.84	RT	15
		1604NLA+39.71	37.89	RT	15
	RAMP B				
	2	1578NLB+06.20	64.05	RT	15
		1581NLB+20.13	12.59	LT	15
		1582NLB+58.17	74.14	RT	15
		1583NLB+05.50	32.58	LT	15
		1584NLB+57.63	95.06	RT	15
	RAMP C				
	2	1580NLC+94.12	44.02	LT	15
		1582NLC+87.93	48.78	LT	15
		1587NLC+00.46	84.78	LT	15
	RAMP D				
		1597NLD+20.49	67.4	RT	15
		1598NLD+26.47	47.02	RT	15
		1599NLD+27.55	25.93	RT	15
	SUBTOTAL				465
	UNDISTRIBUTED				47
	PROJECT 1130-64-76 TOTAL			2	**520**

CULVERT PIPE CHECKS

CATEGORY	ROADWAY	STATION	OFFSET	LOCATION	628.7555 CULVERT PIPE CHECKS EACH	628.7515.S STONE DITCH CHECKS CY	645.0130 GEOTEXTILE TYPE R SY
1000	**W. NORTHLAND AVENUE**						2
	2	95NLEB+50.89	75.15	RT	-	15	50
		98NLWB+96.95	87.27	LT	3	-	-
	2	98NLWB+97.86	92.94	LT	-	15	50
		118NLED+76.14	170.19	RT	-	15	50
		118NLWB+47.72	79.93	LT	3	-	-
	RAMP A						
		1591NLAA+27.80	77.62	RT	3	-	-
		1594NLA+64.22	62.28	LT	3	-	-
	RAMP B						
		1574NLBT+17.12	46.75	LT	5	-	-
	2	1577NLB+94.67	55.73	RT	-	15	50
		1578NLB+45.41	59.70	RT	-	15	50
		1586NLB+49.95	76.75	LT	3	-	-
	RAMP C						
	2	1578NLC+33.68	55.67	LT	-	15	50
		1587NLC+77.40	79.84	RT	3	-	-
	RAMP D						
		1594NLD+77.17	92.89	RT	3	-	-
	POND D						
		11NLPD+01.31	197.76	RT	3	-	-
	PROJECT 1130-64-76 TOTAL				2 **29**	**90**	**300**

ROCK BAGS

CATEGORY	ROADWAY	STATION	OFFSET	LOCATION	628.7570 ROCK BAGS EACH
1000	UNDISTRIBUTED				29 2
	PROJECT 1130-64-76 TOTAL				**29**

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PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 463	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 42

RESTORATION ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	629.0210 FERTILIZER TYPE B CWT	630.0130* SEEDING MIXTURE NO. 30 LB	630.0500* SEED WATER MGAL	628.7560 TRACKING PADS EACH
1000		**IH 41**								
		604SB+47.11	-	615SB+84.24	89.55	LT	0.02	31	15	-
		618SB+65.15	-	657SB+24.51	69.29	LT	0.07	101	50	-
		W. NORTHLAND AVENUE								
		94NLEB+49.42	-	102NLEB+95.88	23.83	RT	0.13	185	92	-
		95NLEB+14.85	-	99NLEB+09.70	18.24	LT	0.02	29	14	-
		97NLWB+59.95	-	102NLWB+32.23	30.12	LT	0.28	404	201	-
		114NLEB+30.52	-	121NLEB+85.00	43.00	RT	0.24	345	172	-
		114NLWB+56.63	-	121NLWB+18.59	57.00	LT	0.07	96	48	-
		117NLEB+78.21	-	121NLEB+02.06	17.86	LT	0.03	43	21	-
		RAMP A								
		1591NLA+25.64	-	1599NLA+97.39	3.62	LT	0.34	484	241	-
		1590NLAA+32.83	-	1594NLAA+46.46	31.50	RT	0.12	174	87	-
		1594NLA+46.46	-	1599NLA+97.39	46.35	RT	0.15	210	105	-
		1599NLAT+97.39	-	1616NLAT+36.74	40.62	RT	0.18	262	130	-
		1599NLAT+97.39	-	1602NLAT+85.98	4.00	LT	0.03	41	20	-
		RAMP B								
		1574NLBT+01.47	-	1578NLBT+77.48	26.19	RT	0.06	82	41	-
		1578NLB+72.86	-	1592NLB+03.79	4.00	LT	0.39	564	281	-
		1578NLB+77.48	-	1588NLB+87.34	32.00	RT	0.24	350	174	-
		1588NLBB+89.77	-	1592NLBB+25.29	39.00	RT	0.07	99	49	-
		RAMP C								
		1583NLC+00.81	-	1589NLC+02.52	88.13	LT	0.23	332	165	-
		1585NLC+00.00	-	1590NLC+98.53	4.00	RT	0.17	238	118	-
2		1587NLC+94.66	-	1590NLC+98.53	-	LT/RT	0.17	250	125	-
		1589NLCC+02.52	-	1593NLCC+19.72	29.50	LT	0.06	83	41	-
		RAMP D								
		1589NLDD+19.42	-	1600NLD+25.00	37.00	LT	0.51	734	366	-
		1590NLD+14.77	-	1601NLD+30.61	26.85	RT	0.26	366	182	-
2		1591NLD+15.78	-	1594NLD+70.53	-	LT/RT	0.29	415	207	-
		1595NLD+80.33	-	1600NLD+24.61	-	LT/RT	0.17	243	121	-
		POND B								
		0NLPB+00.00	-	12NLPB+03.16	-	RT	0.11	159	79	-
		POND D								
		1NLPD+00.00	-	13NLPD+17.00	-	RT	0.08	117	58	-
		SUBTOTAL					4	6437	3206	-
		UNDISTRIBUTED					1	644	321	10
		TOTAL				2	**6**	**7090**	**3600**	**10**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 02
ID 1130-64-76
Revised Sheet 464
February 5, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 464	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 42

PIPE UNDERDRAIN ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	310.0115 BASE AGGREGATE OPEN - GRADED CY	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
1000		**RAMP A**						
		1590NLAA+32.83	-	1593NLAA+92.28	RT	11	360	160
		1591NLA+78.26	-	1593NLA+92.68	LT	7	215	96
		1593NLA+92.68	-	1594NLA+85.27	LT	3	93	42
		1593NLA+92.68	-	1594NLA+85.27	RT	3	93	42
		RAMP B						
		1588NLB+31.37	-	1589NLB+25.93	RT	3	95	43
		1588NLB+31.37	-	1589NLB+25.93	LT	3	95	43
		1589NLB+25.93	-	1591NLB+00.97	LT	6	175	78
		1589NLBB+24.91	-	1591NLBB+50.97	RT	7	226	101
		RAMP C						
		1587NLC+77.30	-	1588NLC+07.52	LT	1	31	14
		1588NLC+07.52	-	1589NLC+02.52	RT	3	95	43
		1589NLC+02.52	-	1589NLC+59.40	RT	2	57	26
		1589NLC+59.40	-	1590NLC+55.74	RT	3	97	43
		1592NLCC+22.78	-	1592NLCC+89.97	LT	3	68	30
		RAMP D						
		1591NLD+50.52	-	1593NLD+55.84	RT	7	206	92
		1590NLDD+47.83	-	1593NLDD+59.97	LT	10	313	139
		1593NLD+55.84	-	1594NLD+03.82	RT	2	48	22
		1593NLD+55.84	-	1594NLD+03.82	LT	2	48	22
		1594NLD+03.82	-	1594NLD+23.32	LT	1	20	9
		SUBTOTAL				77	2335	1045
		PROJECT 1130-64-76 TOTAL				**80**	**2340**	**1050**

2

DRILLED DOWEL BARS

ROADWAY	STATION	OFFSET	LOCATION	416.0620 DRILLED DOWEL BARS EACH
W. NORTHLAND AVENUE				
	95NLEB+00.00		LT	8
	95NLEB+00.00		RT	8
	98NLWB+00.00		LT	8
	98NLWB+00.00		RT	8
	105NLWB+19.29		LT/RT	29
	105NLWB+33.43		LT/RT	29
	105NLEB+40.99		LT/RT	41
	105NLEB+51.00		LT/RT	41
	111NLWB+54.92		LT/RT	30
	111NLWB+64.93		LT/RT	30
	111NLEB+69.70		LT/RT	29
	111NLEB+83.85		LT/RT	29
	121NLWB+18.50		LT	8
	121NLWB+18.50		RT	8
	121NLEB+85.00		LT	8
	121NLEB+85.01		RT	16
RAMP A				
	1591NLAA+03.24		RT	10
	1591NLAA+13.24		RT	10
RAMP B				
	1591NLBB+26.63		LT/RT	28
	1591NLBB+41.84		LT/RT	34
RAMP C				
	1592NLCC+21.96		LT	10
	1592NLCC+31.96		LT	10
RAMP D				
	1590NLDD+30.84		LT/RT	36
	1590NLDD+46.05		LT/RT	32
PROJECT 1130-64-76 TOTAL				**500**

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Revised Sheet 473
February 5, 2024

CONCRETE PAVEMENT

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	415.0090 CONCRETE PAVEMENT 9-INCH SY	415.0095 CONCRETE PAVEMENT 9-1/2 INCH SY	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	~~405.0100 COLORING CONCRETE WISDOT RED CY~~ 2
1000	**W. NORTHLAND AVENUE**								
		95NLEB+00.00	-	107NLEB+45.31	LT/RT	-	8188	-	-
		98NLWB+00.00	-	104NLWB+13.68	LT/RT	-	2260	-	-
		105NLWB+08.50	-	107NLWB+54.36	LT/RT	-	924	-	-
	2	~~105NLWB+19.20~~	~~-~~	~~105NLWB+33.43~~	~~LT/RT~~	~~-~~	~~-~~	~~-~~	~~13~~
		~~105NLEB+40.99~~	~~-~~	~~105NLEB+51.00~~	~~LT/RT~~	~~-~~	~~-~~	~~-~~	~~18~~
		107NLEB+29.81	-	107NLEB+44.81	LT/RT	-	-	101	-
		107NLWB+38.86	-	107NLWB+53.86	LT/RT	-	-	77	-
		109NLEB+37.31	-	109NLEB+52.31	LT/RT	-	-	101	-
		109NLWB+46.36	-	109NLWB+61.36	LT/RT	-	-	82	-
		109NLWB+45.86	-	121NLWB+18.59	LT/RT	-	6615	-	-
		109NLEB+36.81	-	112NLEB+12.75	LT/RT	-	974	-	-
	2	~~111NLWB+54.93~~	~~-~~	~~111NLWB+64.93~~	~~LT/RT~~	~~-~~	~~-~~	~~-~~	~~14~~
		~~111NLEB+69.70~~	~~-~~	~~111NLEB+82.85~~	~~LT/RT~~	~~-~~	~~-~~	~~-~~	~~13~~
		112NLEB+49.28	-	121NLEB+85.00	LT/RT	-	3395	-	-
	RAMP A								
		~~1591NLAA+03.24~~	~~-~~	~~1591NLAA+13.24~~	~~RAMP A~~	~~-~~	~~-~~	~~-~~	~~5~~
		1593NLA+31.78	-	1599NLA+97.39	RAMP A	4555	-	-	-
	RAMP B								
		1578NLB+77.46	-	1591NLB+30.64	RAMP B	6717	-	-	-
	2	~~1591NLBB+26.63~~	~~-~~	~~1591NLBB+41.84~~	~~RAMP B~~	~~-~~	~~-~~	~~-~~	~~14~~
	RAMP C								
		1583NLC+00.00	-	1590NLC+92.77	RAMP C	2863	-	-	-
		1591NLCC+15.07	-	1592NLCC+21.46	RAMP C	58	-	-	-
	2	~~1592NLCC+21.96~~	~~-~~	~~1592NLCC+31.96~~	~~RAMP C~~	~~-~~	~~-~~	~~-~~	~~5~~
	RAMP D								
	2	~~1590NLDD+30.84~~	~~-~~	~~1590NLDD+46.05~~	~~RAMP D~~	~~-~~	~~-~~	~~-~~	~~12~~
		1591NLD+47.91	-	1600NLD+25.00	RAMP D	6253	-	-	-
	SUBTOTAL					20446	22356	361	~~95~~
	PROJECT 1130-64-76 TOTAL					**20,450**	**22,360**	**370**	~~**95**~~

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February 5, 2024

PAVEMENT REPAIR

CATEGORY	ROADWAY	STATION	LOCATION	2 ~~SPV.0195.0100 HMA LONGITUDINAL JOINT REPAIR~~ ~~TON~~	SPV.0090.0155 HMA LONGITUDINAL JOINT REPAIR LF	~~SPV.0195.0105 HMA TRANSVERSE JOINT REPAIR~~ ~~TON~~	390.0100 REMOVING PAVEMENT FOR BASE PATHING CY	390.0201 BASE PATCHING ASPHALTIC TON	SPV.0060.0160 MOBILIZATIONS EMERGENCY PAVEMENT REPAIR EACH	209.0200.S BACKFILL CONTROLLED LOW STRENGTH CY	495.1000.S COLD PATCH TON
1000	IH-41	NB & SB		~~-~~	-	~~-~~	50	74	2	13	10
1800	IH-41	NB & SB		~~50~~	1500	~~25~~	-	-	-	-	-
PROJECT 1130-64-76 TOTAL				~~50~~	**1500**	~~25~~	**50**	**74**	**2**	**13**	**10**

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ID 1130-64-76
Revised Sheet 476
February 5, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 476	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 42

CONCRETE SIDEWALK

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 SF	405.0200 COLORING CONCRETE CUSTOM CY
1000	**W. NORTHLAND AVENUE**										
		99NLEB+44.98	-	100NLEB+22.71	38.98	LT	558	-	-	-	7
		100NLEB+22.71	-	103NLEB+93.12	44.97	LT	1555	-	-	-	19
		100NLWB+23.30	-	103NLEB+85.71	20.00	RT	1567	-	-	-	19
		101NLWB+43.65	-	102NLWB+76.66	20.50	LT	1234	-	-	-	-
		103NLWB+25.35	-	104NLWB+99.48	25.00	LT	1998	-	-	-	-
		103NLEB+79.01	-	104NLEB+84.52	36.12	RT	1119	-	-	-	-
	2	105NLWB+19.29	-	105NLWB+33.43	0.00	LT/RT	-	-	-	-	13
		105NLEB+40.99	-	105NLEB+51.00	0.00	LT/RT	-	-	-	-	18
		105NLEB+48.34	-	106NLEB+25.54	49.76	LT	417	-	-	-	5
		105NLWB+13.93	-	107NLWB+04.44	19.50	RT	1000	-	-	-	12
		105NLWB+56.91	-	107NLWB+47.74	22.50	LT	888	-	-	-	11
		105NLEB+41.77	-	107NLEB+45.32	22.50	RT	2056	-	-	-	-
		105NLEB+52.47	-	107NLEB+45.81	22.50	RT	914	-	-	-	11
		103NLWB+85.30	-	103NLWB+91.00	19.00	RT	-	-	17	-	-
		105NLWB+33.54	-	105NLWB+38.95	21.00	LT	-	-	17	-	-
		112NLWB+92.72		112NLWB+98.14	34.00	RT	-	-	17	-	-
	2	111NLWB+54.92	-	111NLWB+64.93	0.00	LT/RT	-	-	-	-	14
		111NLEB+64.17	-	111NLEB+69.60	21.00	RT	-	-	17	-	-
	2	111NLEB+69.70	-	111NLEB+83.85	0.00	LT/RT	-	-	-	-	13
		109NLEB+37.31	-	111NLEB+47.01	22.00	RT	994	-	-	-	12
		109NLWB+46.36		111NLWB+64.15	23.00	LT	2166	-	-	-	-
		109NLWB+52.98	-	111NLWB+52.95	22.00	LT	901	-	-	-	11
		110NLEB+06.49	-	111NLEB+89.20	20.00	LT	943	-	-	-	12
		111NLWB+08.35	-	111NLWB+56.90	35.00	RT	267	-	-	-	3
		112LWB+31.40	-	113NLWB+87.74	27.00	LT	1825	-	-	-	-
		111NLWB+56.90	-	112NLWB+87.99	34.50	RT	1521	-	-	-	-
		112NLEB+96.05	-	116NLEB+63.06	20.00	LT	1785	-	-	-	22
		112NLWB+97.72	-	116NLWB+79.86	35.00	RT	1804	-	-	-	22
		113NLEB+73.63	-	114NLEB+72.11	37.00	RT	940	-	-	-	-
		116NLWB+79.86	-	117NLWB+86.12	34.22	RT	1312	-	-	-	16
		SUBTOTAL					27764	-	68	0	240

CONTINUED ON NEXT SHEET

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CONTINUED FROM PREVIOUS SHEET

CONCRETE SIDEWALK

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 SF	405.0200 COLORING CONCRETE CUSTOM CY
	RAMP A										
		1590NLAA+93.24	-	1591NLAA+13.79	19.5	RT	180	-	-	-	-
2		1591NLAA+03.24	-	1591NLAA+13.24	0.00	RT	-	-	-	-	5
		1591NLAA+13.13	-	1593NLAA+87.14	4.50	LT	1355	-	-	-	17
		1591NLA+79.49	-	1591NLA+83.96	31.00	RT	-	-	15	-	-
		1591NLA+83.66	-	1593NLA+92.51	32.00	RT	1161	-	-	-	14
		1590NLAA+32.83	-	1590NLAA+37.91	4.00	LT	-	-	13	-	-
		1593NLAA+81.85	-	1593NLAA+86.94	4.00	LT	-	-	15	-	-
	RAMP B										
		1589NLBB+30.88	-	1591NLBB+10.77	20.00	LT	920	-	-	-	11
		1589NLB+31.68	-	1590NLB+70.11	20.00	RT	752	-	-	-	9
		1590NLB+07.47	-	1590NLB+42.95	24.50	RT	-	794	-	-	-
		1590NLB+69.65	-	1590NLB+74.70	19.00	RT	-	-	22	-	-
		1589NLB+27.19	-	1589NLB+31.87	19.00	RT	-	-	15	-	-
		1591NLBB+24.83	-	1591NLBB+26.83	20.89	LT	-	-	-	7	-
2		1591NLBB+26.63	-	1591NLBB+41.84	0.00	LT/RT	-	-	-	-	14
	RAMP C										
		1589NLCC+62.72	-	1589NLCC+67.83	4.00	RT	-	-	17	-	-
		1589NLC+63.37	-	1590NLC+51.59	22.00	LT	516	-	-	-	6
		1589NLCC+67.52	-	1592NLCC+21.96	5.00	RT	1288	-	-	-	16
		1590NLC+51.13	-	1590NLC+55.74	21.00	LT	-	-	17	-	-
2		1592NLCC+21.96	-	1592NLCC+31.96	0.00	LT	-	-	-	-	5
		1592NLCC+21.97	-	1592NLCC+41.96	17.50	LT	200	-	-	-	-
		1592NLCC+87.97	-	1592NLCC+82.97	4.00	RT	-	-	13	-	-
	RAMP D										
2		1590NLDD+30.84	-	1590NLDD+46.05	0.00	LT/RT	-	-	-	-	13
		1590NLDD+66.59	-	1593NLDD+59.70	20.00	RT	1447	-	-	-	18
		1591NLD+69.67	-	1593NLD+55.85	20.00	LT	940	-	-	-	12
		1591NLD+69.88	-	1591NLD+74.99	19.00	LT	-	-	23	-	-
		1590NLDD+49.06	-	1590NLDD+50.87	19.00	LT	-	-	-	6	-
		1592NLD+02.75	-	1592NLD+38.22	24.50	LT	-	795	-	-	-
		1593NLDD+59.43	-	1593NLDD+64.35	19.00	RT	-	-	14	-	-
	SUBTOTAL						8759	1589	164	13	140
	PROJECT 1130-64-76 TOTAL						**36,600**	**1,590**	**232**	**13**	2 **380**

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ID 1130-64-76
Revised Sheet 480
February 5, 2024

STORM SEWER STRUCTURES

CATEGORY	LOCATION	STRUCTURE	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATION	DEPTH FT	611.0530 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0606 INLET COVERS TYPE B EACH	611.0610 INLET COVERS TYPE BW EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH
1000	1130-64-76 STAGE 2														
	R/L SB	6002-S2	574+31.84	6.61' RT	791.59	786.84	3.76	--	1	--	--	--	–	--	--
	R/L SB	6003-S2	578+84.14	24.73' RT	789.40	787.01	2.64	--	–	--	--	--	–	2	--
	NLEB	6129-S2	102+50.85	89.03' RT	799.56	789.94	8.76	1	–	--	--	--	–	--	--
	NLEB	6130-S2	105+04.33	171.95' RT	796.79	789.56	6.37	1	–	--	--	--	–	--	--
	NLEB	6131-S2	105+10.22	297.12' RT	796.79	789.40	6.53	1	–	--	--	--	–	--	--
	NLEB	6133-S2	105+18.01	227.24' RT	796.77	789.49	6.42	1	–	--	--	--	–	--	--
	NLEB	6138-S2	104+99.75	323.21' RT	795.06	789.37	4.83	1	–	--	--	--	–	--	--
	R/L SB	6298-S2	605+06.94	20.06' RT	795.41	791.43	4.31	--	–	--	--	--	–	2	--
	R/L SB	6451-S2	586+97.96	21.87' RT	792.17	788.22	4.20	--	–	--	--	--	–	–	--
	R/L SB	6452-S2	586+97.96	34.13' RT	792.15	788.19	4.25	--	–	--	--	--	–	–	--
	R/L SB	6453-S2	588+74.46	21.87' RT	792.62	788.66	4.25	--	–	--	--	--	–	–	--
	R/L SB	6454-S2	588+94.07	21.87' RT	792.67	788.72	4.25	--	–	--	--	--	–	–	--
	R/L SB	6456-S2	588+94.07	28.00' RT	792.15	789.50	1.59	--	–	--	--	1	–	--	--
	R/L SB	6465-S2	588+99.46	34.13' RT	791.78	788.76	3.31	--	–	--	--	--	–	–	--
	R/L SB	6466-S2	588+74.46	34.13' RT	791.73	788.69	3.33	--	–	--	--	--	–	–	--
	R/L SB	6467-S2	589+24.45	34.13' RT	791.80	788.92	3.09	--	–	--	--	--	–	–	--
	R/L SB	6470-S2	589+24.48	21.87' RT	792.49	789.07	3.67	--	–	--	--	--	–	–	--
	R/L SB	6471-S2	589+62.25	34.13' RT	792.09	789.21	3.09	--	–	--	--	--	–	–	--
	R/L SB	6472-S2	589+62.22	21.87' RT	792.60 (2)	789.18 (2)	3.67	--	–	--	--	--	–	–	--
	R/L SB	6473-S2	589+75.00	21.71' RT	791.50	789.23	2.46	–	–	--	--	–	--	1	--
	R/L SB	6475-S2	589+62.23	15.00' RT	792.62	789.20	3.67	--	–	--	--	--	–	–	--
	R/L SB	6476-S2	592+33.74	34.13' RT	793.40	789.98	3.67	--	–	--	--	--	–	–	--
	R/L SB	6477-S2	592+33.71	21.87' RT	793.37	789.95	3.67	--	–	--	--	--	–	–	--
	R/L SB	6479-S2	592+45.99	22.48' RT	792.42	789.99	2.62	--	–	--	--	--	–	1	--
							STAGE 2 SUBTOTALS	5	1	0	0	1	0	6	0
1000	1130-64-76 STAGE 3A														
	R/L SB	6478-S3A	592+33.69	15.80' RT	793.43	789.93	3.75	--	–	--	--	--	–	–	--
							STAGE 3A SUBTOTALS	0	0	0	0	0	0	0	0
1000	1130-64-76 STAGE 3B														
	NLEB	6005-S3B	97+10.33	13.50' LT	805.60	798.93	5.92	--	–	--	--	--	1	--	--
	NLEB	6006-S3B	97+10.35	23.50' RT	804.92	799.94	4.17	--	–	--	--	--	1	--	--
	NLEB	6010-S3B	98+11.96	22.36' LT	806.37	798.09	7.53	--	–	--	--	--	–	--	1
	NLEB	6030-S3B	106+41.22	267.89' LT	813.63	808.46	4.42	--	–	--	--	--	1	--	--
	NLEB	6031-S3B	106+13.85	312.22' LT	813.31	809.04	3.46	--	–	--	--	--	1	--	--
	NLEB	6035-S3B	105+97.07	223.96' LT	815.10	808.02	6.33	--	–	--	--	--	1	--	--
	NLEB	6036-S3B	106+27.15	200.71' LT	814.65	809.06	4.78	--	–	--	--	--	1	--	--
	NLEB	6037-S3B	106+04.36	208.76' LT	815.22	808.87	5.54	--	–	--	--	--	1	--	--
	NLEB	6040-S3B	103+35.05	159.76' LT	813.32	806.11	6.50	--	–	--	--	--	1	--	--
	NLEB	6041-S3B	105+56.52	48.87' LT	816.96	812.74	3.43	--	–	--	--	--	1	--	--
	NLEB	6042-S3B	104+59.04	48.50' LT	816.10	811.14	4.17	--	–	--	--	--	1	--	--
	NLEB	6043-S3B	103+64.06	119.67' LT	813.99	809.01	4.19	--	–	--	--	--	1	--	--
	NLEB	6044-S3B	103+99.88	134.24' LT	814.48	809.53	4.14	--	–	--	--	--	1	--	--
	NLEB	6045-S3B	103+85.26	169.60' LT	813.84	806.76	6.33	--	–	--	--	--	1	--	--
	NLEB	6046-S3B	102+80.32	165.63' LT	810.83	805.83	4.05	1	–	--	--	--	–	--	--
	NLEB	6050-S3B	101+85.94	135.11' LT	810.99	804.89	5.39	--	–	--	--	--	1	--	--
	NLEB	6051-S3B	101+91.72	97.55' LT	811.59	806.89	3.89	--	–	--	--	--	1	--	--
	NLEB	6052-S3B	101+91.72	48.50' LT	812.24	807.87	3.56	--	–	--	--	--	1	--	--
	NLEB	6060-S3B	103+90.69	62.81' RT	815.29	811.24	2.90	--	–	1	--	--	–	--	--
	NLEB	6061-S3B	103+35.96	19.50' RT	814.23	809.95	3.49	--	–	--	--	--	1	--	--

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STORM SEWER STRUCTURES

CATEGORY	LOCATION	STRUCTURE	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATION	DEPTH FT	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	COMMENTS
1000	1130-64-76 STAGE 2																
	R/L SB	6002-S2	574+31.84	6.61' RT	791.59	786.84	3.76	--	1	–	–	--	--	–	–	--	
	R/L SB	6003-S2	578+84.14	24.73' RT	789.40	787.01	2.64	--	--	–	–	--	--	–	–	1	
	NLEB	6129-S2	102+50.85	89.03' RT	799.56	789.94	8.76	--	--	–	1	--	--	–	--	--	
	NLEB	6130-S2	105+04.33	171.95' RT	796.79	789.56	6.37	--	--	–	1	--	--	–	--	--	
	NLEB	6131-S2	105+10.22	297.12' RT	796.79	789.40	6.53	--	--	–	1	--	--	–	--	--	
	NLEB	6133-S2	105+18.01	227.24' RT	796.77	789.49	6.42	--	--	–	1	--	--	–	--	--	
	NLEB	6138-S2	104+99.75	323.21' RT	795.06	789.37	4.83	--	--	–	1	--	--	–	--	--	
	R/L SB	6298-S2	605+06.94	20.06' RT	795.41	791.43	4.31	--	--	–	–	--	--	–	–	1	
	R/L SB	6451-S2	586+97.96	21.87' RT	792.17	788.22	4.20	--	--	–	1	--	--	–	--	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6452-S2	586+97.96	34.13' RT	792.15	788.19	4.25	--	--	1	–	--	--	–	–	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6453-S2	588+74.46	21.87' RT	792.62	788.66	4.25	--	--	–	1	--	--	–	--	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6454-S2	588+94.07	21.87' RT	792.67	788.72	4.25	--	--	–	1	--	--	–	--	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6456-S2	588+94.07	28.00' RT	792.15	789.50	1.59	1	--	–	–	--	--	–	--	--	
	R/L SB	6465-S2	588+99.46	34.13' RT	791.78	788.76	3.31	--	--	–	1	--	--	–	--	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6466-S2	588+74.46	34.13' RT	791.73	788.69	3.33	--	--	–	1	--	--	–	--	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6467-S2	589+24.45	34.13' RT	791.80	788.92	3.09	--	--	1	–	--	--	–	–	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6470-S2	589+24.48	21.87' RT	792.49	789.07	3.67	--	--	1	–	--	--	–	–	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6471-S2	589+62.25	34.13' RT	792.09	789.21	3.09	--	--	1	–	--	--	–	–	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6472-S2	589+62.22	21.87' RT	792.60 (2)	789.18 (2)	3.67	--	--	1	–	--	--	–	–	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6473-S2	589+75.00	21.71' RT	791.50	789.23	2.46	--	--	–	–	--	--	–	1	--	
	R/L SB	6475-S2	589+62.23	15.00' RT	792.62	789.20	3.67	--	--	1	–	--	--	–	–	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6476-S2	592+33.74	34.13' RT	793.40	789.98	3.67	--	--	1	–	--	--	–	–	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6477-S2	592+33.71	21.87' RT	793.37	789.95	3.67	--	--	1	–	--	--	–	–	--	STRUCTURE TO BE BUILT WITHOUT COVER
	R/L SB	6479-S2	592+45.99	22.48' RT	792.42	789.99	2.62	--	--	–	–	--	--	–	1	--	–
							STAGE 2 SUBTOTALS	1	1	8	10	0	0	0	2	2	
1000	1130-64-76 STAGE 3A																
	R/L SB	6478-S3A	592+33.69	15.80' RT	793.43	789.93	3.75	--	--	1	–	--	--	–	–	--	STRUCTURE TO BE BUILT WITHOUT COVER
							STAGE 3A SUBTOTALS	0	0	1	0	0	0	0	0	0	
1000	1130-64-76 STAGE 3B																
	NLEB	6005-S3B	97+10.33	13.50' LT	805.60	798.93	5.92	--	--	1	–	--	--	–	–	--	
	NLEB	6006-S3B	97+10.35	23.50' RT	804.92	799.94	4.17	--	--	–	–	--	--	1	--	--	
	NLEB	6010-S3B	98+11.96	22.36' LT	806.37	798.09	7.53	--	--	1	–	--	--	–	–	--	
	NLEB	6030-S3B	106+41.22	267.89' LT	813.63	808.46	4.42	--	--	1	–	--	--	–	–	--	
	NLEB	6031-S3B	106+13.85	312.22' LT	813.31	809.04	3.46	--	--	–	–	--	--	1	--	--	
	NLEB	6035-S3B	105+97.07	223.96' LT	815.10	808.02	6.33	--	--	1	–	--	--	–	–	--	
	NLEB	6036-S3B	106+27.15	200.71' LT	814.65	809.06	4.78	--	--	–	–	--	--	1	--	--	
	NLEB	6037-S3B	106+04.36	208.76' LT	815.22	808.87	5.54	--	--	–	–	--	--	1	--	--	
	NLEB	6040-S3B	103+35.05	159.76' LT	813.32	806.11	6.50	--	--	1	–	--	--	–	–	--	
	NLEB	6041-S3B	105+56.52	48.87' LT	816.96	812.74	3.43	--	--	–	–	--	--	1	--	--	
	NLEB	6042-S3B	104+59.04	48.50' LT	816.10	811.14	4.17	--	--	–	–	--	--	1	--	--	
	NLEB	6043-S3B	103+64.06	119.67' LT	813.99	809.01	4.19	--	--	–	–	--	--	1	--	--	
	NLEB	6044-S3B	103+99.88	134.24' LT	814.48	809.53	4.14	--	--	–	–	--	--	1	--	--	
	NLEB	6045-S3B	103+85.26	169.60' LT	813.84	806.76	6.33	--	--	1	–	--	--	–	–	--	
	NLEB	6046-S3B	102+80.32	165.63' LT	810.83	805.83	4.05	--	--	1	–	--	--	–	–	--	
	NLEB	6050-S3B	101+85.94	135.11' LT	810.99	804.89	5.39	--	--	1	–	--	--	–	–	--	
	NLEB	6051-S3B	101+91.72	97.55' LT	811.59	806.89	3.89	--	--	–	–	--	--	1	--	--	
	NLEB	6052-S3B	101+91.72	48.50' LT	812.24	807.87	3.56	--	--	–	–	--	--	1	--	--	
	NLEB	6060-S3B	103+90.69	62.81' RT	815.29	811.24	2.90	--	--	–	–	--	--	1	--	--	
	NLEB	6061-S3B	103+35.96	19.50' RT	814.23	809.95	3.49	--	--	–	–	--	--	1	--	--	

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STORM SEWER PIPES

						522.0424	522.0430	522.0436	608.0315	608.0318	608.0324	608.0330	608.0348
						CULVERT PIPE REINFORCED CONCRETE CLASS IV			STORM SEWER PIPE REINFORCED CONCRETE CLASS III				
			INLET	DISCHARGE	SLOPE	24-INCH	30-INCH	36-INCH	15-INCH	18-INCH	24-INCH	30-INCH	48-INCH
CATEGORY	FROM	TO	ELEVATION	ELEVATION	FT/FT	LF	LF	LF	LF	LF	LF	LF	LF
1000	1130-64-76 STAGE 2												
	6001-S2	6002-S2	787.17	786.84	0.0502	–	–	–	–	–	--	–	--
	6003-S2	RS_01	787.01	786.97	0.0053	–	–	–	–	--	--	–	--
	6129-S2	6130-S2	789.94	789.56	0.0012	–	–	–	–	–	--	–	--
	6130-S2	6133-S2	789.56	789.49	0.0011	–	–	–	–	–	--	–	--
	6131-S2	6138-S2	789.40	789.37	0.0011	–	–	–	–	–	--	–	--
	6133-S2	6131-S2	789.49	789.40	0.0013	–	–	–	–	–	--	–	--
	6138-S2	6132-S2	789.37	789.29	0.0011	–	–	–	–	–	--	–	--
	6298-S2	RS_02	791.43	791.37	0.0061	–	–	–	–	--	--	–	--
	6451-S2	6452-S2	788.22	788.19	0.0020	–	–	–	–	–	--	–	--
	6452-S2	6450-S2	788.19	788.03	0.0025	–	–	–	–	–	--	–	--
	6453-S2	6451-S2	788.66	788.22	0.0025	–	–	–	–	–	--	–	--
	6454-S2	6453-S2	788.72	788.66	0.0030	–	–	–	–	–	--	–	--
	6455-S3B	6454-S2	788.89	788.72	0.0031	–	–	–	–	–	--	–	--
	6456-S2	6454-S2	789.50	789.47	0.0050	–	–	–	–	–	--	–	--
	6460-S3B	6465-S2	788.94	788.76	0.0031	–	–	–	–	–	--	–	--
	6465-S2	6466-S2	788.76	788.69	0.0030	–	–	–	–	–	--	–	--
	6466-S2	6453-S2	788.69	788.66	0.0024	–	–	–	–	–	--	–	--
	6467-S2	6465-S2	788.92	788.84	0.0030	–	–	–	–	–	--	–	--
	6470-S2	6454-S2	789.07	788.98	0.0030	–	–	–	–	–	--	–	--
	6471-S2	6472-S2	789.21	789.18	0.0024	–	–	–	–	–	--	–	--
	6472-S2	6470-S2	789.18	789.07	0.0030	–	–	–	–	–	--	–	--
	6473-S2	6472-S2	789.23	789.18	0.0035	–	–	–	–	–	--	–	--
	6475-S2	6472-S2	789.20	789.18	0.0032	–	–	–	–	–	--	–	--
	6479-S2	6477-S2	790.90	790.03	0.0050	–	--	--	–	--	--	--	--
	6476-S2	6477-S2	790.07	790.03	0.0030	–	–	–	–	–	--	–	--
	RS_03	6298-S2	791.48	791.43	0.0074	–	–	–	–	–	--	–	--
	RS_04	6003-S2	787.03	787.01	0.0025	–	–	–	–	–	--	–	--
	RS_07	6120-S2	791.88	791.04	0.0051	165	–	–	–	–	–	--	--
					STAGE 2 SUBTOTALS	165	0	0	0	0	0	0	0
1000	1130-64-76 STAGE 3A												
	6477-S2	6478-S3A	790.03	790.01	0.0035	–	–	–	–	–	--	–	--
	6478-S3A	6475-S2	790.01	789.20	0.0030	–	–	–	–	–	--	–	--
	TEMP PLUG	6478-S3A	790.04	790.01	0.0028	–	–	–	–	–	--	–	--
					STAGE 3A SUBTOTALS	0	0	0	0	0	0	0	0
1000	1130-64-76 STAGE 3B												
	6005-S3B	6010-S3B	798.93	798.09	0.0082	–	–	–	–	–	--	–	--
	6006-S3B	6005-S3B	799.94	799.68	0.0071	–	–	–	–	–	--	–	--
	6010-S3B	6015-S3C	798.09	797.91	0.0080	–	–	–	–	–	22	--	--
	6030-S3B	6035-S3B	808.46	808.02	0.0050	–	–	–	–	–	--	–	--
	6031-S3B	6030-S3B	809.04	808.71	0.0050	–	–	–	–	–	--	–	--
	6035-S3B	6045-S3B	808.02	806.76	0.0050	–	–	–	–	–	254	--	--
	6036-S3B	6037-S3B	809.06	808.87	0.0050	–	–	–	–	–	--	–	--
	6037-S3B	6035-S3B	808.87	808.77	0.0050	–	–	–	19	--	--	–	--
	6040-S3B	6046-S3B	806.11	805.83	0.0089	–	–	–	–	–	--	–	--
	6041-S3B	6042-S3B	812.74	811.14	0.0159	–	–	–	–	–	--	–	--

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STORM SEWER PIPES

CATEGORY	FROM	TO	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	608.2419 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH LF
1000	1130-64-76 STAGE 2											
	6001-S2	6002-S2	787.17	786.84	0.0502	--	--	7	–	–	--	--
	6003-S2	RS_01	787.01	786.97	0.0053	--	--	8	–	–	--	--
	6129-S2	6130-S2	789.94	789.56	0.0012	--	--	--	--	--	304	--
	6130-S2	6133-S2	789.56	789.49	0.0011	--	--	--	--	--	57	--
	6131-S2	6138-S2	789.40	789.37	0.0011	--	--	--	--	--	28	--
	6133-S2	6131-S2	789.49	789.40	0.0013	--	--	--	--	--	70	--
	6138-S2	6132-S2	789.37	789.29	0.0011	--	--	--	--	--	73	--
	6298-S2	RS_02	791.43	791.37	0.0061	--	--	--	--	9	–	--
	6451-S2	6452-S2	788.22	788.19	0.0020	--	--	--	12	–	--	--
	6452-S2	6450-S2	788.19	788.03	0.0025	--	--	--	65	–	--	--
	6453-S2	6451-S2	788.66	788.22	0.0025	--	--	--	176	–	--	--
	6454-S2	6453-S2	788.72	788.66	0.0030	--	--	--	20	–	--	--
	6455-S3B	6454-S2	788.89	788.72	0.0031	--	--	56	–	–	--	--
	6456-S2	6454-S2	789.50	789.47	0.0050	6	--	--	–	–	--	--
	6460-S3B	6465-S2	788.94	788.76	0.0031	--	--	--	--	--	--	56
	6465-S2	6466-S2	788.76	788.69	0.0030	--	--	--	--	--	--	25
	6466-S2	6453-S2	788.69	788.66	0.0024	--	--	--	--	--	--	12
	6467-S2	6465-S2	788.92	788.84	0.0030	--	25	--	–	–	--	--
	6470-S2	6454-S2	789.07	788.98	0.0030	--	--	30	–	–	--	--
	6471-S2	6472-S2	789.21	789.18	0.0024	--	12	--	–	–	--	--
	6472-S2	6470-S2	789.18	789.07	0.0030	--	--	38	–	–	--	--
	6473-S2	6472-S2	789.23	789.18	0.0035	13	--	--	--	--	--	--
	6475-S2	6472-S2	789.20	789.18	0.0032	--	--	7	–	–	--	--
	6479-S2	6477-S2	790.90	790.03	0.0050	12	--	--	--	--	--	--
	6476-S2	6477-S2	790.07	790.03	0.0030	--	--	12	–	–	--	--
	RS_03	6298-S2	791.48	791.43	0.0074	--	--	--	--	7	–	--
	RS_04	6003-S2	787.03	787.01	0.0025	--	--	8	–	–	--	--
	RS_07	6120-S2	791.88	791.04	0.0051	--	--	--	--	--	--	--
					STAGE 2 SUBTOTALS	31	37	166	273	16	532	93
1000	1130-64-76 STAGE 3A											
	6477-S2	6478-S3A	790.03	790.01	0.0035	--	--	6	–	–	--	--
	6478-S3A	6475-S2	790.01	789.20	0.0030	--	--	271	–	–	--	--
	TEMP PLUG	6478-S3A	790.04	790.01	0.0028	--	--	8	–	–	--	--
					STAGE 3A SUBTOTALS	0	0	285	0	0	0	0
1000	1130-64-76 STAGE 3B											
	6005-S3B	6010-S3B	798.93	798.09	0.0082	--	--	102	–	–	--	--
	6006-S3B	6005-S3B	799.94	799.68	0.0071	37	--	--	--	--	--	--
	6010-S3B	6015-S3C	798.09	797.91	0.0080	--	--	--	--	--	--	--
	6030-S3B	6035-S3B	808.46	808.02	0.0050	--	--	87	–	–	--	--
	6031-S3B	6030-S3B	809.04	808.71	0.0050	67	--	--	--	--	--	--
	6035-S3B	6045-S3B	808.02	806.76	0.0050	--	--	--	--	--	--	--
	6036-S3B	6037-S3B	809.06	808.87	0.0050	37	--	--	--	--	--	--
	6037-S3B	6035-S3B	808.87	808.77	0.0050	--	--	--	--	--	--	--
	6040-S3B	6046-S3B	806.11	805.83	0.0089	--	--	--	31	–	--	--
	6041-S3B	6042-S3B	812.74	811.14	0.0159	--	101	--	–	–	--	--

RECONSTRUCTING AND ADJUSTING STRUCTURES

CATEGORY	LOCATION	STRUCTURE ID	STATION	OFFSET	TEMPORARY TOP OF STRUCTURE ELEVATION	TO	PROPOSED RIM ELEVATION	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	NOTES
1000	1130-64-76 STAGE 3C									
	NLEB	6006-S3B	97+10.35	23.50' RT	803.59		804.92	–	1	
	NLEB	6030-S3B	106+41.22	267.89' LT	812.30		813.63	1	--	
	NLEB	6031-S3B	106+13.85	312.22' LT	811.98		813.31	–	1	
	NLEB	6035-S3B	105+97.07	223.96' LT	813.77		815.10	1	--	
	NLEB	6036-S3B	106+27.15	200.71' LT	813.32		814.65	–	1	
	NLEB	6037-S3B	106+04.36	208.76' LT	813.89		815.22	–	1	
	NLEB	6040-S3B	103+35.45	159.76' LT	811.99		813.32	1	--	
	NLEB	6041-S3B	105+56.52	48.87' LT	815.63		816.96	–	1	
	NLEB	6042-S3B	104+59.04	48.50' LT	814.77		816.10	–	1	
	NLEB	6043-SEB	103+64.02	119.62' LT	812.66		813.99	–	1	
	NLEB	6044-S3B	103+99.88	134.24' LT	813.15		814.48	–	1	
	NLEB	6045-S3B	103+85.26	169.60' LT	812.51		813.84	1	--	
	NLEB	6046-S3B	102+80.32	165.63' LT	809.50		810.83	1	--	
	NLEB	6050-S3B	101+85.94	135.11' LT	809.66		810.99	1	--	
	NLEB	6051-S3B	101+91.72	97.55' LT	810.26		811.59	–	1	
	NLEB	6052-S3B	101+91.72	48.50' LT	810.91		812.24	–	1	
	NLEB	6060-S3B	103+90.69	62.81' RT	813.96		815.29	–	1	
	NLEB	6061-S3B	103+35.96	19.50' RT	812.90		814.23	–	1	
	NLEB	6062-S3B	104+95.62	45.98' RT	815.95		817.28	–	1	
	NLEB	6063-S3B	104+11.91	19.50' RT	814.48		815.81	–	1	
	NLEB	6064-S3B	103+97.08	44.26' RT	814.24		815.57	1	--	
	NLEB	6065-S3B	102+42.00	36.50' RT	810.53		811.86	–	1	
	NLEB	6066-S3B	101+62.00	36.50' RT	808.81		810.14	–	1	
	NLEB	6070-S3B	100+86.34	36.50' RT	807.38		808.71	–	1	
	NLEB	6075-S3B	99+90.09	34.92' RT	805.89		807.22	–	1	
	NLEB	6080-S3B	98+93.84	31.77' RT	804.78		806.11	1	--	
	NLC	6101-S3B	1589+65.17	28.59' LT	816.16		817.49	–	1	
	NLC	6102-S3B	1589+66.10	20.50' LT	815.72		817.05	–	1	
	NLC	6103-S3B	1589+51.37	18.36' RT	815.03		816.36	–	1	
	NLC	6104-S3B	1587+84.80	4.50' RT	810.59		811.92	–	1	
	NLC	6105-S3B	1587+84.80	30.50' LT	810.03		811.36	–	1	
	NLB	6136-S3B	1584+42.83	42.48' RT	797.09		798.42	–	1	
	NLB	6137-S3B	1584+41.98	14.41' LT	798.61		799.94	–	1	
	NLD	6146-S3B	1597+58.00	14.46' RT	806.72		808.05	–	1	
	NLD	6147-S3B	1597+59.39	42.38' LT	806.78		808.11	–	1	
	NLD	6148-S3B	1598+29.93	36.54' LT	805.87		807.20	–	1	
	NLD	6149-S3B	1599+62.00	29.87' LT	803.97		805.30	–	1	
	NLA	6152-S3B	1598+11.74	41.80' RT	795.19		796.52	–	1	
	NLA	6156-S3B	1599+91.96	35.80' RT	793.68		795.01	–	1	
	NLA	6161-S3B	1593+72.48	6.51' LT	807.96		809.29	–	1	
	NLA	6162-S3B	1593+75.14	30.50' RT	808.49		809.82	–	1	
	NLA	6163-S3B	1593+82.38	39.73' RT	808.17		809.50	–	1	
	NLA	6164-S3B	1594+77.69	6.50' LT	805.15		806.48	–	1	
	NLA	6165-S3B	1594+77.63	45.50' RT	805.11		806.44	–	1	
	NLEB	6170-S3B	113+05.71	135.54' LT	803.91		805.24	1	--	
	NLEB	6172-S3B	114+15.33	127.59' LT	802.35		803.68	1	--	
	NLEB	6174-S3B	112+33.95	133.97' LT	805.56		806.89	–	1	
	NLEB	6180-S3B	111+77.04	18.50' LT	808.74		810.07	1	--	
	NLEB	6181-S3B	109+72.49	52.00' LT	813.02		814.35	–	1	
	NLEB	6190-S3B	111+84.71	82.83' RT	809.35		810.68	1	--	

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ID 1130-64-76
Added Sheet 520A
February 5, 2024

RECONSTRUCTING AND ADJUSTING STRUCTURES

CATEGORY	LOCATION	STRUCTURE ID	STATION	OFFSET	TEMPORARY TOP OF STRUCTURE ELEVATION	TO	PROPOSED RIM ELEVATION	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	NOTES
1000	1130-64-76 STAGE 3C									
	NLEB	6191-S3B	110+87.91	140.75' RT	810.69		812.02	1	--	
	NLEB	6192-S3B	111+27.25	150.77' RT	809.86		811.19	--	1	
	NLEB	6193-S3B	111+36.25	111.13' RT	810.40		811.73	1	--	
	NLEB	6194-S3B	109+42.46	74.87' RT	814.78		816.11	--	1	
	NLEB	6200-S3B	113+17.78	45.77' RT	805.42		806.75	--	1	
	NLEB	6201-S3B	113+25.27	19.50' RT	804.84		806.17	--	1	
	NLEB	6210-S3B	113+45.98	63.43' RT	804.81		806.14	1	--	
	NLEB	6211-S3B	113+01.33	306.32' RT	804.50		805.83	--	1	
	NLEB	6212-S3B	112+48.40	311.10' RT	804.49		805.82	--	1	
	NLEB	6213-S3B	112+28.92	229.70' RT	806.23		807.56	--	1	
	NLEB	6214-S3B	112+61.75	212.63' RT	806.92		808.25	--	1	
	NLEB	6215-S3B	112+67.95	206.63' RT	806.90		808.23	--	1	
	NLEB	6220-S3B	114+82.29	19.50' RT	800.71		802.04	1	--	
	NLEB	6230-S3B	117+63.17	17.43' RT	794.98		796.31	1	--	
	NLEB	6231-S3B	117+66.78	96.17' LT	794.95		796.28	--	1	
	NLEB	6232-S3B	117+63.20	32.67' LT	796.16		797.49	--	1	
	NLEB	6233-S3B	117+63.17	16.43' LT	795.54		796.87	--	1	
	NLEB	6240-S3B	115+22.81	19.50' RT	799.66		800.99	1	--	
	NLEB	6242-S3B	115+25.28	63.77' LT	800.53		801.86	--	1	
	NLEB	6243-S3B	115+24.41	18.50' LT	800.26		801.59	--	1	
	STAGE 3C SUBTOTALS							18	52	
1000	1130-64-76 STAGE 3D									
	NLEB	6005-S3B	97+10.33	13.50' LT	804.27		805.60	1	--	
	NLEB	6010-S3B	98+11.96	22.36' LT	805.37		806.70	1	--	
	STAGE 3D SUBTOTALS							2	0	
	STAGE 3 SUBTOTALS							20	52	
	1130-64-76 TOTALS							20	52	

Addendum No. 02
ID 1130-64-76
Added Sheet 520B
February 5, 2024

LIGHTING CONDUIT AND WIRE

FROM	-	TO	652.0225 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	SPV.0090.00500 LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT 2-INCH LF	REMARKS
ALL ITEMS ARE CATEGORY 1100									
CB 200	-	PB 200	--	10	–	--	140	--	--
CB 200	-	PB 200	--	10	–	--	140	--	--
CB 200	-	PB 200	--	10	–	--	--	--	PULL WIRE ONLY
CB 200	-	PB 201	--	10	–	--	140	--	--
CB 200	-	PB 201	--	10	–	--	--	--	PULL WIRE ONLY
CB 200	-	PB 201	--	10	–	--	--	--	PULL WIRE ONLY
PB 201	-	PB 202	--	--	–	100	--	--	PULL WIRE ONLY
PB 201	-	PB 202	--	--	–	100	580	--	--
PB 202	-	SL 200	--	15	–	--	420	--	
PB 202	-	PB 203	100	--	–	--	580	--	
PB 203	-	SL 201	75	--	–	--	440	--	
SL 201	-	SL 202	205	--	–	--	1,075	--	
SL 202	-	SL 203	100	--	–	--	330	--	
PB 203	-	PB 204	--	--	–	75	546	--	
PB 204	-	SL 207	10	--	–	--	138	--	
PB 204	-	PB 205	75	--	–	--	--	--	PULL WIRE ONLY
PB 205	-	PB 200	--	--	–	75	455	--	
PB 205	-	PB 200	--	--	–	75	455	--	
PB 205	-	PB 206	160	--	–	--	880	--	
PB 205	-	PB 206	160	--	–	--	880	--	
PB 206	-	PB 207	--	--	–	90	530	--	
PB 206	-	PB 207	--	--	–	90	530	--	
PB 207	-	SL 229	60	--	–	--	438	--	
PB 207	-	SL 208	--	--	15	--	565	15	CONDUIT IN STRUCTURE B-44-0315
SL 208	-	PB 208	--	--	15	--	990	15	CONDUIT IN STRUCTURE B-44-0315
PB 207	-	PB 208	--	--	30	--	--	30	CONDUIT IN STRUCTURE B-44-0315 / PULL WIRE ONLY
PB 207	-	SL 228	--	--	15	--	990	15	CONDUIT IN STRUCTURE B-44-0316
SL 228	-	PB 208	--	--	15	--	565	15	CONDUIT IN STRUCTURE B-44-0316
PB 207	-	PB 208	--	--	30	--	--	30	CONDUIT IN STRUCTURE B-44-0316 / PULL WIRE ONLY
PB 208	-	SL 227	65	--	–	--	468	--	
PB 208	-	SL 212	45	--	–	--	348	--	
PB 208	-	PB 209	--	--	–	105	605	--	
PB 209	-	SL 209	10	--	–	--	138	--	
PB 209	-	PB 210	60	--	–	--	380	--	
PB 210	-	SL 210	40	--	–	--	530	--	
SL 210	-	SL 211	185	--	–	--	585	--	--
PB 210	-	PB 211	--	--	–	45	305	--	--
PB 211	-	SL 213	90	--	–	--	515	--	--
SL 213	-	PB 213	210	--	–	--	1,115	--	--
PB 213	-	PB 212	--	--	–	25	205	--	--
PB 212	-	SL 214	10	--	–	--	138	--	--
PB 212	-	SL 216	130	--	–	--	715	--	--
SL 216	-	PB 214	75	--	–	--	440	--	--
PB 214	-	SL 217	85	--	–	--	588	--	--
PB 214	-	PB 215	--	--	–	105	605	--	--
PB 215	-	SL 215	100	--	–	--	678	--	--
PB 215	-	SL 218	140	--	–	--	765	--	--
SL 218	-	SL 219	230	--	–	--	1,200	--	--
SL 219	-	SL 220	240	--	–	--	1,250	--	--
PB 215	-	PB 216	--	--	–	80	--	--	PULL WIRE ONLY
SUBTOTAL			**2660**	**75**	**120**	**965**	**23380**	**120**	

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LIGHTING CONDUIT AND WIRE (CONTINUED)

FROM	-	TO	652.0225 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	SPV.0090.00500 LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT 2-INCH LF	REMARKS
ALL ITEMS ARE CATEGORY 1100									
PB 216	-	SL 221	235	--	--	--	--	--	PULL WIRE ONLY
SL 221	-	SL 222	115	--	--	--	625	--	--
SL 222	-	PB 217	15	--	--	--	280	--	--
PB 217	-	SL 223	105	--	--	--	590	--	--
SL 223	-	SL 224	155	--	--	--	825	--	--
SL 224	-	SL 225	90	--	--	80	540	--	--
PB 217	-	PB 218	--	--	--	60	380	--	--
PB 218	-	SL 226	20	--	--	--	198	--	--
PB 218	-	PB 219	--	--	--	50	330	--	--
PB 219	-	PB 220	200	--	--	--	1,080	--	--
PB 220	-	PB 208	--	--	--	90	530	--	--
PB 207	-	PB 221	--	--	--	95	--	--	PULL WIRE ONLY
PB 221	-	SL 230	45	--	--	--	174	--	--
PB 221	-	SL 231	160	--	--	--	519	--	--
SL 231	-	PB 222	85	--	--	--	490	--	--
PB 222	-	PB 223	--	--	--	70	430	--	--
PB 223	-	SL 233	35	--	--	--	480	--	--
SL 233	-	SL 232	140	--	--	--	450	--	--
PB 223	-	SL 234	75	--	--	--	440	--	--
SL 234	-	SL 235	105	--	--	--	575	--	--
SL 235	-	SL 236	115	--	--	--	625	--	--
SL 236	-	PB 224	110	--	--	--	615	--	--
PB 224	-	SL 238	20	--	--	--	198	--	--
PB 224	-	PB 225	--	--	--	100	580	--	--
PB 225	-	SL 237	--	85	--	--	1,470	--	--
PB 225	-	SL 239	160	--	--	--	865	--	--
SL 239	-	SL 240	220	--	--	--	1,150	--	--
SL 240	-	SL 241	220	--	--	--	1,150	--	--
PB 225	-	PB 226	--	--	--	60	380	--	--
PB 226	-	SL 242	15	--	--	--	168	--	--
PB 226	-	PB 202	250	--	--	--	1,330	--	--
SL 300	-	PB 300	125	--	--	--	--	--	PULL WIRE ONLY
PB 300	-	PB 301	--	--	--	40	--	--	PULL WIRE ONLY
PB 300	-	SL 301	120	--	--	--	--	--	PULL WIRE ONLY
SL 301	-	SL 302	235	--	--	--	--	--	PULL WIRE ONLY
SL 302	-	PB 302	15	--	--	--	--	--	PULL WIRE ONLY
SUBTOTAL			**3185**	**85**	**0**	**645**	**17467**	**0**	
PROJECT TOTAL			**5845**	**160**	**120** 2	**1610**	**40847**	**120** 2	

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

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ID 1130-64-76
Revised Sheet 551
February 5, 2024

RIPRAP & GEOTEXTILE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY
1000	**W. CAPITOL DRIVE**							
		130CAP+37.43	-	130CAP+50.34	30.1	RT	8	16
		130CAP+96.71	-	131CAP+09.62	31.31	RT	8	16
		131CAP+78.55	-	131CAP+91.45	36.07	LT	8	16
		133CAP+52.78	-	133CAP+65.68	52.62	RT	8	16
		138CAP+47.67	-	138CAP+54.18	92.16	LT	8	16
		139CAP+76.65	-	139CAP+82.84	56.03	RT	14	28
		143CAP+17.13	-	142CAP+32.13	50.79	LT	30	60
		145CAP+50.56	-	145CAP+63.41	51.01	LT	8	16
	SUBTOTAL						92	184
	UNDISTRIBUTED						10	19
	PROJECT 1130-64-81 TOTAL						**102**	**210**

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SILT FENCE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
1000	**W. CAPITOL DRIVE**							
		136CAP+87.62	-	137CAP+08.08	110.93	RT	21	147
		138CAP+48.90	-	138CAP+79.32	122.31	LT	41	287
2		139CAP+67.49	-	146CAP+10.70	39.15	RT	715	5005
		141CAP+09.95	-	142CAP+94.96	103.91	LT	231	1617
	SUBTOTAL						1008	7056
	UNDISTRIBUTED						101	706
	PROJECT 1130-64-81 TOTAL						**1110**	**7770**

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PIPE UNDERDRAIN

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	310.0115 BASE AGGREGATE OPEN-GRADED CY	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
1000	**W. CAPITOL DRIVE**					2		
		129CAP+90.00	-	137CAP+70.43	RT	24	781	348
		129CAP+90.00	-	137CAP+70.43	LT	24	781	348
		140CAP+85.66	-	144CAP+51.21	RT	11	366	163
		140CAP+85.67	-	144CAP+51.21	LT	11	366	163
		144CAP+67.50	-	146CAP+10.00	RT	5	143	64
		144CAP+67.50	-	146CAP+10.00	LT	5	143	64
	N. RIFLE RANGE ROAD							
		100RI+12.00	-	100RI+23.50	LT	1	12	6
		100RI+12.00	-	100RI+23.50	RT	1	12	6
		100RI+23.50	-	101RI+70.54	RT	5	148	66
		101RI+70.54	-	103RI+77.45	RT	7	207	92
	SUBTOTAL					94	2959	1320
	PROJECT 1130-64-81 TOTAL					**100**	**2960**	**1320**

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ID 1130-64-81
Revised Sheet 573
February 5, 2024

Addendum No. 02
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Revised Sheet 587
February 5, 2024

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STORM SEWER PIPES

CATEGORY	FROM	TO	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	522.0415 REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0315 REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 REINFORCED CONCRETE CLASS III 18-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	608.3018 STORM SEWER PIPE CLASS III-A 18-INCH LF
1000	1130-64-81 STAGE 1													
	6301-S1	6300-S1	802.75	802.68	0.0062	11	–	--	--	--	–	–	--	--
	6306-S1	6305-S1	803.48	803.16	0.0125	26	–	--	--	--	–	–	--	--
	6310-S1	6312-S1	806.11	806.01	0.0031	--	–	--	33	--	–	–	--	--
	6311-S1	6312-S1	806.11	806.01	0.0141	--	–	--	7	--	–	–	--	--
	6312-S1	6317-S1	805.76	805.46	0.0030	--	–	--	--	101	–	–	--	--
	6315-S1	6330-S1	805.21	805.12	0.0030	--	–	~~0~~ 2	--	--	–	–	--	31
	6316-S1	6317-S1	806.15	805.81	0.0158	--	–	--	22	--	–	–	--	--
	6317-S1	6315-S1	805.46	805.21	0.0030	--	–	~~0~~ 2	--	--	–	–	--	81
	6320-S1	6315-S1	813.30	808.01	0.0400	--	–	--	--	132	–	–	--	--
	6321-S1	6320-S1	813.97	813.55	0.0125	--	–	--	33	--	–	–	--	--
	6323-S1	PLUG	797.54	797.51	0.0037	--	–	--	--	--	–	8	--	--
	6324-S1	6323-S1	797.99	797.54	0.0035	--	–	--	--	--	–	128	--	--
	6325-S1	6320-S1	819.29	813.30	0.0275	--	–	--	--	218	–	–	--	--
	6326-S1	6325-S1	820.45	819.54	0.0275	--	–	--	33	--	–	–	--	--
	6328-S1	PLUG	797.51	797.48	0.0029	--	–	--	--	--	–	–	8	--
	6329-S1	6328-S1	797.90	797.51	0.0030	--	–	--	--	--	–	–	130	--
	6335-S1	6340-S1	803.77	803.13	0.0061	--	–	~~0~~ 2	--	--	–	–	--	105
	6336-S1	6335-S1	804.40	804.02	0.0050	--	–	--	77	--	–	–	--	--
	6340-S1	6345-S1	803.13	802.33	0.0080	--	–	~~0~~ 2	--	--	–	–	--	101
	6341-S1	6340-S1	803.69	803.38	0.0050	--	–	--	60	--	–	–	--	--
	6345-S1	6350-S1	802.33	801.95	0.0050	--	–	~~0~~	--	--	–	–	--	75
	6350-S1	6355-S1	801.95	801.80	0.0089	--	–	~~0~~ 2	--	--	–	–	--	17
	6360-S1	6365-S1	814.31	811.06	0.0241	--	–	--	--	135	–	–	--	--
	6361-S1	6360-S1	815.34	814.56	0.0272	--	–	--	29	--	–	–	--	--
	6362-S1	6360-S1	815.01	814.56	0.0137	--	–	--	33	--	–	–	--	--
	6365-S1	6370-S1	811.06	810.48	0.0250	--	–	23	--	--	–	–	--	--
	6366-S1	6365-S1	811.80	811.31	0.0150	--	–	--	33	--	–	–	--	--
	6381-S1	6382-S1	806.50	806.18	0.0100	--	–	--	33	--	–	–	--	--
	6382-S1	6380-S1	806.18	805.93	0.0100	--	25	--	--	--	–	–	--	--
	6383-S1	6385-S1	798.39	798.30	0.0070	--	–	--	--	--	14	–	--	--
	6385-S1	6386-S1	798.30	797.31	0.0070	--	–	--	--	--	141	–	--	--
	6386-S1	6384-S1	797.31	797.22	0.0070	--	–	--	--	--	12	–	--	--
	PLUG	6324-S1	798.02	797.99	0.0035	--	–	--	--	--	–	8	--	--
	PLUG	6329-S1	797.92	797.90	0.0030	--	–	--	--	--	–	–	8	--
				STAGE 1 SUBTOTALS		37	25	23 2	393	586	167	144	146	410
1000	1130-64-81 STAGE 2													
	6393-S2	EX 6392	798.52	798.25	0.0050	--	–	--	--	53	–	–	--	--
	6394-S2	RS_17	799.99	799.88	0.0120	--	–	--	--	9	–	–	--	--
	6395-S2	RS_18	792.29	792.34	0.0069	--	–	--	--	--	–	8	--	--
	6396-S2	EX 6398	786.72	786.54	0.0117	--	–	--	--	--	15	–	--	--
	RS_19	6395-S2	792.30	792.29	0.0009	--	–	--	--	--	–	8	--	--
	RS_21	6396-S2	786.83	786.72	0.0139	--	–	--	--	--	8	–	--	--
				STAGE 2 SUBTOTALS		0	0	0	0	62	23	16	0	0
				1130-64-81 TOTALS		37	25	23 2	393	648	190	160	146	410

PROJECT NO: 1130-64-81	HWY: IH-41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 587	E

FILE NAME : DRAWING2.DWG
LAYOUT NAME - 01
PLOT DATE : 6/11/2023 11:26 PM
PLOT BY : ELIZABETH REGIER
PLOT NAME :
PLOT SCALE : 1" = 1'
WISDOT/CADDS SHEET 42

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0205 Grubbing	53.000 STA	_____.____	_____.____
0004	203.0220 Removing Structure (structure) 0801. B-44-177	1.000 EACH	_____.____	_____.____
0006	203.0220 Removing Structure (structure) 0802. B-44-178	1.000 EACH	_____.____	_____.____
0008	203.0220 Removing Structure (structure) 0803. B-44-024	1.000 EACH	_____.____	_____.____
0010	204.0100 Removing Concrete Pavement	34,100.000 SY	_____.____	_____.____
0012	204.0155 Removing Concrete Sidewalk	65.000 SY	_____.____	_____.____
0014	204.0157 Removing Concrete Barrier	1,614.000 LF	_____.____	_____.____
0016	204.0165 Removing Guardrail	4,030.000 LF	_____.____	_____.____
0018	204.0170 Removing Fence	690.000 LF	_____.____	_____.____
0020	204.0190 Removing Surface Drains	6.000 EACH	_____.____	_____.____
0022	204.0195 Removing Concrete Bases	24.000 EACH	_____.____	_____.____
0024	204.0210 Removing Manholes	1.000 EACH	_____.____	_____.____
0026	204.0220 Removing Inlets	29.000 EACH	_____.____	_____.____
0028	204.0245 Removing Storm Sewer (size) 0001. 12-Inch	575.000 LF	_____.____	_____.____
0030	204.0245 Removing Storm Sewer (size) 0002. 18-Inch	997.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	204.0245 Removing Storm Sewer (size) 0003. 24-Inch	462.000 LF	_____.____	_____.____
0034	204.0245 Removing Storm Sewer (size) 0004. 30-Inch	184.000 LF	_____.____	_____.____
0036	204.0245 Removing Storm Sewer (size) 0005. 36-Inch	1,083.000 LF	_____.____	_____.____
0038	204.0245 Removing Storm Sewer (size) 0006. 36-Inch	69.000 LF	_____.____	_____.____
0040	204.0265 Abandoning Wells	7.000 EACH	_____.____	_____.____
0042	204.9060.S Removing (item description) 0103. Removing Apron Endwalls	40.000 EACH	_____.____	_____.____
0044	204.9060.S Removing (item description) 0701. Communications Vault	3.000 EACH	_____.____	_____.____
0046	205.0100 Excavation Common	289,324.000 CY	_____.____	_____.____
0048	205.0400 Excavation Marsh	8,793.000 CY	_____.____	_____.____
0050	206.1001 Excavation for Structures Bridges (structure) 0801. B-44-315	1.000 EACH	_____.____	_____.____
0052	206.1001 Excavation for Structures Bridges (structure) 0802. B-44-316	1.000 EACH	_____.____	_____.____
0054	206.1001 Excavation for Structures Bridges (structure) 0803. B-44-317	1.000 EACH	_____.____	_____.____
0056	209.0200.S Backfill Controlled Low Strength	13.000 CY	_____.____	_____.____
0058	209.2100 Backfill Granular Grade 2	950.000 CY	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	210.1500 Backfill Structure Type A	4,286.000 TON	_____.____	_____.____
0062	213.0100 Finishing Roadway (project) 0001. 1130-64-76	1.000 EACH	_____.____	_____.____
0064	213.0100 Finishing Roadway (project) 0002. 1130-64-81	1.000 EACH	_____.____	_____.____
0066	214.0100 Obliterating Old Road	9.000 STA	_____.____	_____.____
0068	305.0110 Base Aggregate Dense 3/4-Inch	626.000 TON	_____.____	_____.____
0070	305.0120 Base Aggregate Dense 1 1/4-Inch	42,259.000 TON	_____.____	_____.____
0072	305.0130 Base Aggregate Dense 3-Inch	4,660.000 TON	_____.____	_____.____
0074	310.0115 Base Aggregate Open-Graded	180.000 CY	_____.____	_____.____
0076	312.0110 Select Crushed Material	168,400.000 TON	_____.____	_____.____
0078	312.0115 Select Crushed Material	562.000 CY	_____.____	_____.____
0080	390.0100 Removing Pavement for Base Patching	50.000 CY	_____.____	_____.____
0082	390.0201 Base Patching Asphaltic	74.000 TON	_____.____	_____.____
0086	405.0200 Coloring Concrete Custom	380.000 CY	_____.____	_____.____
0088	415.0090 Concrete Pavement 9-Inch	24,830.000 SY	_____.____	_____.____
0090	415.0095 Concrete Pavement 9 1/2-Inch	22,360.000 SY	_____.____	_____.____
0092	415.0410 Concrete Pavement Approach Slab	526.000 SY	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0094	416.0620 Drilled Dowel Bars	500.000 EACH	_____.____	_____.____
0096	416.9100.S Filling Concrete Shoulder Rumble Strips (size) 0001. 24-Inch	30.000 EACH	_____.____	_____.____
0098	420.1000 Continuous Diamond Grinding Concrete Pavement	293.000 SY	_____.____	_____.____
0100	455.0605 Tack Coat	2,384.000 GAL	_____.____	_____.____
0102	460.2000 Incentive Density HMA Pavement	490.000 DOL	1.00000	490.00
0104	460.5223 HMA Pavement 3 LT 58-28 S	186.000 TON	_____.____	_____.____
0106	460.5224 HMA Pavement 4 LT 58-28 S	403.000 TON	_____.____	_____.____
0108	460.6223 HMA Pavement 3 MT 58-28 S	153.000 TON	_____.____	_____.____
0110	465.0105 Asphaltic Surface	6,330.000 TON	_____.____	_____.____
0112	465.0120 Asphaltic Surface Driveways and Field Entrances	45.000 TON	_____.____	_____.____
0114	495.1000.S Cold Patch	10.000 TON	_____.____	_____.____
0116	501.1000.S Ice Hot Weather Concreting	24,113.000 LB	_____.____	_____.____
0118	502.0100 Concrete Masonry Bridges	1,092.000 CY	_____.____	_____.____
0120	502.3200 Protective Surface Treatment	4,721.000 SY	_____.____	_____.____
0122	502.3210 Pigmented Surface Sealer	1,535.000 SY	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0124	503.0137 Prestressed Girder Type I 36W-Inch	2,110.000 LF	_____.____	_____.____
0126	503.0146 Prestressed Girder Type I 45W-Inch	2,180.000 LF	_____.____	_____.____
0128	504.0500 Concrete Masonry Retaining Walls	180.000 CY	_____.____	_____.____
0130	505.0400 Bar Steel Reinforcement HS Structures	44,550.000 LB	_____.____	_____.____
0132	505.0600 Bar Steel Reinforcement HS Coated Structures	570,350.000 LB	_____.____	_____.____
0134	505.0800.S Bar Steel Reinforcement HS Stainless Structures	6,730.000 LB	_____.____	_____.____
0136	506.2605 Bearing Pads Elastomeric Non-Laminated	104.000 EACH	_____.____	_____.____
0138	506.4000 Steel Diaphragms (structure) 0801. B-44-315	12.000 EACH	_____.____	_____.____
0140	506.4000 Steel Diaphragms (structure) 0802. B-44-316	12.000 EACH	_____.____	_____.____
0142	506.4000 Steel Diaphragms (structure) 0803. B-44-0317	35.000 EACH	_____.____	_____.____
0144	511.1200 Temporary Shoring (structure) 0900. R-44-30	1,085.000 SF	_____.____	_____.____
0146	513.2001 Railing Pipe	370.000 LF	_____.____	_____.____
0148	516.0500 Rubberized Membrane Waterproofing	131.000 SY	_____.____	_____.____
0150	522.0415 Culvert Pipe Reinforced Concrete Class IV 15-Inch	37.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0152	522.0424 Culvert Pipe Reinforced Concrete Class IV 24-Inch	370.000 LF	_____.____	_____.____
0154	522.0430 Culvert Pipe Reinforced Concrete Class IV 30-Inch	178.000 LF	_____.____	_____.____
0156	522.0436 Culvert Pipe Reinforced Concrete Class IV 36-Inch	146.000 LF	_____.____	_____.____
0158	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	8.000 EACH	_____.____	_____.____
0160	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	7.000 EACH	_____.____	_____.____
0162	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	7.000 EACH	_____.____	_____.____
0164	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	8.000 EACH	_____.____	_____.____
0166	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	4.000 EACH	_____.____	_____.____
0168	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	2.000 EACH	_____.____	_____.____
0170	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	4.000 EACH	_____.____	_____.____
0172	531.2036 Drilling Shaft 36-Inch	10.000 LF	_____.____	_____.____
0174	531.2042 Drilling Shaft 42-Inch	138.000 LF	_____.____	_____.____
0176	531.4050 Foundation Camera Pole 50-FT	1.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0178	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1000. S-44-324	2.000 EACH	_____.____	_____.____
0180	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1001. S-44-325	2.000 EACH	_____.____	_____.____
0182	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1002. S-44-328	2.000 EACH	_____.____	_____.____
0184	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1003. S-44-329	2.000 EACH	_____.____	_____.____
0186	531.8990 Anchor Assemblies Poles on Structures	6.000 EACH	_____.____	_____.____
0188	532.5440 Truss Full Span 2-Chord Type IV (structure) 1000. S-44-324	1.000 EACH	_____.____	_____.____
0190	532.5440 Truss Full Span 2-Chord Type IV (structure) 1001. S-44-325	1.000 EACH	_____.____	_____.____
0192	532.5440 Truss Full Span 2-Chord Type IV (structure) 1002. S-44-326	1.000 EACH	_____.____	_____.____
0194	532.5440 Truss Full Span 2-Chord Type IV (structure) 1003. S-44-327	1.000 EACH	_____.____	_____.____
0196	532.5440 Truss Full Span 2-Chord Type IV (structure) 1004. S-44-328	1.000 EACH	_____.____	_____.____
0198	532.5440 Truss Full Span 2-Chord Type IV (structure) 1005. S-44-329	1.000 EACH	_____.____	_____.____
0200	550.0500 Pile Points	220.000 EACH	_____.____	_____.____
0202	550.1120 Piling Steel HP 12-Inch X 53 Lb	10,245.000 LF	_____.____	_____.____
0204	601.0205 Concrete Gutter 24-Inch	100.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0206	601.0409 Concrete Curb & Gutter 30-Inch Type A	2,410.000 LF	_____.____	_____.____
0208	601.0411 Concrete Curb & Gutter 30-Inch Type D	463.000 LF	_____.____	_____.____
0210	601.0452 Concrete Curb & Gutter Integral 30-Inch Type D	11,583.000 LF	_____.____	_____.____
0212	601.0600 Concrete Curb Pedestrian	979.000 LF	_____.____	_____.____
0214	602.0405 Concrete Sidewalk 4-Inch	41,300.000 SF	_____.____	_____.____
0216	602.0415 Concrete Sidewalk 6-Inch	1,590.000 SF	_____.____	_____.____
0218	602.0505 Curb Ramp Detectable Warning Field Yellow	121.000 SF	_____.____	_____.____
0220	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	317.000 SF	_____.____	_____.____
0222	602.0810 Concrete Driveway 6-Inch	12.000 SY	_____.____	_____.____
0224	602.3010 Concrete Surface Drains	2.500 CY	_____.____	_____.____
0226	603.1142 Concrete Barrier Type S42	2,138.000 LF	_____.____	_____.____
0228	603.8000 Concrete Barrier Temporary Precast Delivered	28,347.000 LF	_____.____	_____.____
0230	603.8125 Concrete Barrier Temporary Precast Installed	29,847.000 LF	_____.____	_____.____
0232	603.8500 Anchoring Concrete Barrier Temporary Precast	656.000 LF	_____.____	_____.____
0234	604.0400 Slope Paving Concrete	607.000 SY	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0236	606.0200 Riprap Medium	342.000 CY	_____.____	_____.____
0238	606.0300 Riprap Heavy	280.000 CY	_____.____	_____.____
0240	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	283.000 LF	_____.____	_____.____
0242	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	399.000 LF	_____.____	_____.____
0244	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	746.000 LF	_____.____	_____.____
0246	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	209.000 LF	_____.____	_____.____
0248	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	464.000 LF	_____.____	_____.____
0250	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	1,653.000 LF	_____.____	_____.____
0252	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	2,733.000 LF	_____.____	_____.____
0254	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	1,225.000 LF	_____.____	_____.____
0256	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	879.000 LF	_____.____	_____.____
0258	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	438.000 LF	_____.____	_____.____
0260	608.0442 Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	1,345.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0262	608.2419 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	93.000 LF	_____.____	_____.____
0264	608.2424 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	146.000 LF	_____.____	_____.____
0266	611.0530 Manhole Covers Type J	14.000 EACH	_____.____	_____.____
0268	611.0535 Manhole Covers Type J-Special	2.000 EACH	_____.____	_____.____
0270	611.0606 Inlet Covers Type B	1.000 EACH	_____.____	_____.____
0272	611.0610 Inlet Covers Type BW	14.000 EACH	_____.____	_____.____
0274	611.0612 Inlet Covers Type C	3.000 EACH	_____.____	_____.____
0276	611.0624 Inlet Covers Type H	82.000 EACH	_____.____	_____.____
0278	611.0642 Inlet Covers Type MS	16.000 EACH	_____.____	_____.____
0280	611.0654 Inlet Covers Type V	2.000 EACH	_____.____	_____.____
0282	611.2003 Manholes 3-FT Diameter	1.000 EACH	_____.____	_____.____
0284	611.2004 Manholes 4-FT Diameter	5.000 EACH	_____.____	_____.____
0286	611.2005 Manholes 5-FT Diameter	38.000 EACH	_____.____	_____.____
0288	611.2006 Manholes 6-FT Diameter	17.000 EACH	_____.____	_____.____
0290	611.2007 Manholes 7-FT Diameter	3.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0292	611.2008 Manholes 8-FT Diameter	1.000 EACH	_____.____	_____.____
0294	611.3004 Inlets 4-FT Diameter	73.000 EACH	_____.____	_____.____
0296	611.3225 Inlets 2x2.5-FT	2.000 EACH	_____.____	_____.____
0298	611.3901 Inlets Median 1 Grate	6.000 EACH	_____.____	_____.____
0300	611.3902 Inlets Median 2 Grate	5.000 EACH	_____.____	_____.____
0302	611.8110 Adjusting Manhole Covers	20.000 EACH	_____.____	_____.____
0304	611.8115 Adjusting Inlet Covers	52.000 EACH	_____.____	_____.____
0306	611.8120.S Cover Plates Temporary	72.000 EACH	_____.____	_____.____
0308	611.9850.S Pipe Grates (size) 0001. 30-Inch	1.000 EACH	_____.____	_____.____
0310	611.9850.S Pipe Grates (size) 0002. 42-Inch	1.000 EACH	_____.____	_____.____
0312	612.0106 Pipe Underdrain 6-Inch	5,300.000 LF	_____.____	_____.____
0314	612.0206 Pipe Underdrain Unperforated 6-Inch	300.000 LF	_____.____	_____.____
0316	612.0406 Pipe Underdrain Wrapped 6-Inch	1,789.000 LF	_____.____	_____.____
0318	612.0700 Drain Tile Exploration	50.000 LF	_____.____	_____.____
0320	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	10.000 EACH	_____.____	_____.____
0322	614.0150 Anchor Assemblies for Steel Plate Beam Guard	2.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0324	614.0395 Guardrail Mow Strip Concrete	394.000 SY	_____.____	_____.____
0326	614.0396 Guardrail Mow Strip Asphalt	166.000 SY	_____.____	_____.____
0328	614.0905 Crash Cushions Temporary	6.000 EACH	_____.____	_____.____
0330	614.2300 MGS Guardrail 3	225.000 LF	_____.____	_____.____
0332	614.2500 MGS Thrie Beam Transition	551.600 LF	_____.____	_____.____
0334	614.2610 MGS Guardrail Terminal EAT	14.000 EACH	_____.____	_____.____
0336	616.0206 Fence Chain Link 6-FT	2,497.000 LF	_____.____	_____.____
0338	616.0329 Gates Chain Link (width) 0001. 16 ft	3.000 EACH	_____.____	_____.____
0340	616.0700.S Fence Safety	350.000 LF	_____.____	_____.____
0342	618.0100 Maintenance and Repair of Haul Roads (project) 0001. 1130-64-76	1.000 EACH	_____.____	_____.____
0344	618.0100 Maintenance and Repair of Haul Roads (project) 0002. 1130-64-81	1.000 EACH	_____.____	_____.____
0346	619.1000 Mobilization	1.000 EACH	_____.____	_____.____
0348	620.0300 Concrete Median Sloped Nose	245.000 SF	_____.____	_____.____
0350	623.0200 Dust Control Surface Treatment	65,950.000 SY	_____.____	_____.____
0352	624.0100 Water	1,560.000 MGAL	_____.____	_____.____
0354	625.0500 Salvaged Topsoil	188,190.000 SY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0356	628.1504 Silt Fence	13,840.000 LF	_____.____	_____.____
0358	628.1520 Silt Fence Maintenance	135,070.000 LF	_____.____	_____.____
0360	628.1905 Mobilizations Erosion Control	20.000 EACH	_____.____	_____.____
0362	628.1910 Mobilizations Emergency Erosion Control	20.000 EACH	_____.____	_____.____
0364	628.2002 Erosion Mat Class I Type A	164,700.000 SY	_____.____	_____.____
0366	628.2008 Erosion Mat Urban Class I Type B	9,200.000 SY	_____.____	_____.____
0368	628.7005 Inlet Protection Type A	123.000 EACH	_____.____	_____.____
0370	628.7015 Inlet Protection Type C	117.000 EACH	_____.____	_____.____
0372	628.7020 Inlet Protection Type D	10.000 EACH	_____.____	_____.____
0374	628.7504 Temporary Ditch Checks	802.000 LF	_____.____	_____.____
0376	628.7555 Culvert Pipe Checks	38.000 EACH	_____.____	_____.____
0378	628.7560 Tracking Pads	10.000 EACH	_____.____	_____.____
0380	628.7570 Rock Bags	38.000 EACH	_____.____	_____.____
0382	629.0210 Fertilizer Type B	12.000 CWT	_____.____	_____.____
0384	630.0130 Seeding Mixture No. 30	7,750.000 LB	_____.____	_____.____
0386	630.0175 Seeding Mixture No. 75	16.000 LB	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0388	630.0500 Seed Water	4,760.000 MGAL	_____.____	_____.____
0390	633.5200 Markers Culvert End	36.000 EACH	_____.____	_____.____
0392	634.0614 Posts Wood 4x6-Inch X 14-FT	23.000 EACH	_____.____	_____.____
0394	634.0616 Posts Wood 4x6-Inch X 16-FT	25.000 EACH	_____.____	_____.____
0396	634.0618 Posts Wood 4x6-Inch X 18-FT	13.000 EACH	_____.____	_____.____
0398	637.1220 Signs Type I Reflective SH	1,365.000 SF	_____.____	_____.____
0400	637.2210 Signs Type II Reflective H	783.380 SF	_____.____	_____.____
0402	637.2215 Signs Type II Reflective H Folding	102.880 SF	_____.____	_____.____
0404	637.2230 Signs Type II Reflective F	130.000 SF	_____.____	_____.____
0406	638.2102 Moving Signs Type II	47.000 EACH	_____.____	_____.____
0408	638.2601 Removing Signs Type I	4.000 EACH	_____.____	_____.____
0410	638.2602 Removing Signs Type II	62.000 EACH	_____.____	_____.____
0412	638.3000 Removing Small Sign Supports	73.000 EACH	_____.____	_____.____
0414	638.3100 Removing Structural Steel Sign Supports	4.000 EACH	_____.____	_____.____
0416	638.4000 Moving Small Sign Supports	7.000 EACH	_____.____	_____.____
0418	640.1303.S Pond Liner Clay	17,090.000 CY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0420	640.1305.S Clay Cover	800.000 CY	_____.____	_____.____
0422	643.0300 Traffic Control Drums	83,587.000 DAY	_____.____	_____.____
0424	643.0420 Traffic Control Barricades Type III	9,559.000 DAY	_____.____	_____.____
0426	643.0705 Traffic Control Warning Lights Type A	17,851.000 DAY	_____.____	_____.____
0428	643.0715 Traffic Control Warning Lights Type C	19,542.000 DAY	_____.____	_____.____
0430	643.0800 Traffic Control Arrow Boards	1,371.000 DAY	_____.____	_____.____
0432	643.0900 Traffic Control Signs	144,750.000 DAY	_____.____	_____.____
0434	643.0910 Traffic Control Covering Signs Type I	9.000 EACH	_____.____	_____.____
0436	643.0920 Traffic Control Covering Signs Type II	22.000 EACH	_____.____	_____.____
0438	643.1000 Traffic Control Signs Fixed Message	304.000 SF	_____.____	_____.____
0440	643.1050 Traffic Control Signs PCMS	613.000 DAY	_____.____	_____.____
0442	643.1205.S Basic Traffic Queue Warning System	324.000 DAY	_____.____	_____.____
0444	643.3165 Temporary Marking Line Paint 6-Inch	25,200.000 LF	_____.____	_____.____
0446	643.3265 Temporary Marking Line Paint 10-Inch	1,300.000 LF	_____.____	_____.____
0448	643.3760 Temporary Marking Raised Pavement Marker Type I	400.000 EACH	_____.____	_____.____
0450	643.5000 Traffic Control	1.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0452	645.0105 Geotextile Type C	855.000 SY	_____.____	_____.____
0454	645.0111 Geotextile Type DF Schedule A	2,465.000 SY	_____.____	_____.____
0456	645.0120 Geotextile Type HR	28,910.000 SY	_____.____	_____.____
0458	645.0140 Geotextile Type SAS	9,167.000 SY	_____.____	_____.____
0460	646.1020 Marking Line Epoxy 4-Inch	6,950.000 LF	_____.____	_____.____
0462	646.2020 Marking Line Epoxy 6-Inch	31,923.000 LF	_____.____	_____.____
0464	646.2040 Marking Line Grooved Wet Ref Epoxy 6-Inch	24,263.000 LF	_____.____	_____.____
0466	646.2050 Marking Line Grooved Permanent Tape 6-Inch	5,375.000 LF	_____.____	_____.____
0468	646.4050 Marking Line Grooved Permanent Tape 10-Inch	9,432.000 LF	_____.____	_____.____
0470	646.5020 Marking Arrow Epoxy	58.000 EACH	_____.____	_____.____
0472	646.5120 Marking Word Epoxy	27.000 EACH	_____.____	_____.____
0474	646.5220 Marking Symbol Epoxy	29.000 EACH	_____.____	_____.____
0476	646.6120 Marking Stop Line Epoxy 18-Inch	437.000 LF	_____.____	_____.____
0478	646.7220 Marking Chevron Epoxy 24-Inch	661.000 LF	_____.____	_____.____
0480	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	656.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0482	646.8105 Marking Curb Paint	70.000 LF	_____.____	_____.____
0484	646.8205 Marking Island Nose Paint	7.000 EACH	_____.____	_____.____
0486	652.0125 Conduit Rigid Metallic 2-Inch	80.000 LF	_____.____	_____.____
0488	652.0210 Conduit Rigid Nonmetallic Schedule 40 1-Inch	395.000 LF	_____.____	_____.____
0490	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	9,111.000 LF	_____.____	_____.____
0492	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	5,459.000 LF	_____.____	_____.____
0494	652.0325 Conduit Rigid Nonmetallic Schedule 80 2-Inch	150.000 LF	_____.____	_____.____
0496	652.0335 Conduit Rigid Nonmetallic Schedule 80 3-Inch	1,610.000 LF	_____.____	_____.____
0498	652.0800 Conduit Loop Detector	2,839.000 LF	_____.____	_____.____
0500	653.0154 Pull Boxes Non-Conductive 24x36-Inch	4.000 EACH	_____.____	_____.____
0502	653.0164 Pull Boxes Non-Conductive 24x42-Inch	70.000 EACH	_____.____	_____.____
0504	653.0222 Junction Boxes 18x12x6-Inch	6.000 EACH	_____.____	_____.____
0506	653.0905 Removing Pull Boxes	35.000 EACH	_____.____	_____.____
0508	654.0101 Concrete Bases Type 1	11.000 EACH	_____.____	_____.____
0510	654.0102 Concrete Bases Type 2	11.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0512	654.0105 Concrete Bases Type 5	40.000 EACH	_____.____	_____.____
0514	654.0107 Concrete Bases Type 7	3.000 EACH	_____.____	_____.____
0516	654.0110 Concrete Bases Type 10	1.000 EACH	_____.____	_____.____
0518	654.0113 Concrete Bases Type 13	1.000 EACH	_____.____	_____.____
0520	654.0120 Concrete Bases Type 10-Special	3.000 EACH	_____.____	_____.____
0522	654.0217 Concrete Control Cabinet Bases Type 9 Special	1.000 EACH	_____.____	_____.____
0524	654.0230 Concrete Control Cabinet Bases Type L30	1.000 EACH	_____.____	_____.____
0526	655.0230 Cable Traffic Signal 5-14 AWG	12,603.000 LF	_____.____	_____.____
0528	655.0260 Cable Traffic Signal 12-14 AWG	593.000 LF	_____.____	_____.____
0530	655.0305 Cable Type UF 2-12 AWG Grounded	4,075.000 LF	_____.____	_____.____
0532	655.0515 Electrical Wire Traffic Signals 10 AWG	5,399.000 LF	_____.____	_____.____
0534	655.0610 Electrical Wire Lighting 12 AWG	19,630.000 LF	_____.____	_____.____
0536	655.0625 Electrical Wire Lighting 6 AWG	40,847.000 LF	_____.____	_____.____
0538	655.0635 Electrical Wire Lighting 2 AWG	1,935.000 LF	_____.____	_____.____
0540	655.0700 Loop Detector Lead In Cable	7,545.000 LF	_____.____	_____.____
0542	655.0800 Loop Detector Wire	10,834.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0544	655.0900 Traffic Signal EVP Detector Cable	1,117.000 LF	_____.____	_____.____
0546	656.0401 Electrical Service Main Lugs Only Meter Pedestal (location) 0001. CB 200	1.000 EACH	_____.____	_____.____
0548	656.0501 Electrical Service Breaker Disconnect Box (location) 0001. CB-2	1.000 EACH	_____.____	_____.____
0550	657.0100 Pedestal Bases	11.000 EACH	_____.____	_____.____
0552	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	53.000 EACH	_____.____	_____.____
0554	657.0315 Poles Type 4	11.000 EACH	_____.____	_____.____
0556	657.0321 Poles Type 5-Steel	4.000 EACH	_____.____	_____.____
0558	657.0322 Poles Type 5-Aluminum	38.000 EACH	_____.____	_____.____
0560	657.0347 Poles Type 9-Special	1.000 EACH	_____.____	_____.____
0562	657.0350 Poles Type 10	1.000 EACH	_____.____	_____.____
0564	657.0352 Poles Type 10-Special	2.000 EACH	_____.____	_____.____
0566	657.0360 Poles Type 13	1.000 EACH	_____.____	_____.____
0568	657.0420 Traffic Signal Standards Aluminum 13-FT	7.000 EACH	_____.____	_____.____
0570	657.0430 Traffic Signal Standards Aluminum 10-FT	4.000 EACH	_____.____	_____.____
0572	657.0530 Monotube Arms 30-FT	1.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0574	657.0536 Monotube Arms 35-FT-Special	3.000 EACH	_____.____	_____.____
0576	657.0550 Monotube Arms 50-FT	1.000 EACH	_____.____	_____.____
0578	657.0709 Luminaire Arms Truss Type 4-Inch Clamp 12-FT	14.000 EACH	_____.____	_____.____
0580	657.0710 Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	44.000 EACH	_____.____	_____.____
0582	657.0812 Luminaire Arms Steel 12-FT	6.000 EACH	_____.____	_____.____
0584	658.0173 Traffic Signal Face 3S 12-Inch	31.000 EACH	_____.____	_____.____
0586	658.0412 Pedestrian Signal Face 12-Inch	12.000 EACH	_____.____	_____.____
0588	658.0500 Pedestrian Push Buttons	12.000 EACH	_____.____	_____.____
0590	658.5070 Signal Mounting Hardware (location) 0001. IH 41 NB & STH 15 (S44-0644)	1.000 EACH	_____.____	_____.____
0592	658.5070 Signal Mounting Hardware (location) 0002. IH 41 SB & STH 15 (S44-0665)	1.000 EACH	_____.____	_____.____
0594	659.1120 Luminaires Utility LED B	64.000 EACH	_____.____	_____.____
0596	659.2130 Lighting Control Cabinets 120/240 30-Inch	1.000 EACH	_____.____	_____.____
0598	659.2230 Lighting Control Cabinets 240/480 30-Inch	1.000 EACH	_____.____	_____.____
0600	659.5000.S Lamp, Ballast, LED, Switch Disposal by Contractor	78.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0602	662.1030.S Ramp Closure Gates 30-FT	2.000 EACH	_____.____	_____.____
0604	662.1040.S Ramp Closure Gates 40-FT	2.000 EACH	_____.____	_____.____
0606	670.0101 Field System Integrator	1.000 EACH	_____.____	_____.____
0608	670.0201 ITS Documentation	1.000 EACH	_____.____	_____.____
0610	671.0132 Conduit HDPE 3-Duct 2-Inch	6,392.000 LF	_____.____	_____.____
0612	671.0232 Conduit HDPE Directional Bore 3-Duct 2-Inch	160.000 LF	_____.____	_____.____
0614	671.0300 Fiber Optic Cable Marker	10.000 EACH	_____.____	_____.____
0616	673.0105 Communication Vault Type 1	3.000 EACH	_____.____	_____.____
0618	673.0110 Communication Vault Type Round	6.000 EACH	_____.____	_____.____
0620	673.0200 Tracer Wire Marker Posts	5.000 EACH	_____.____	_____.____
0622	673.1225.S Install Pole Mounted Cabinet	1.000 EACH	_____.____	_____.____
0624	674.0300 Remove Cable	3,308.000 LF	_____.____	_____.____
0626	677.0150 Install Camera Pole 50-FT	1.000 EACH	_____.____	_____.____
0628	677.0200 Install Camera Assembly	1.000 EACH	_____.____	_____.____
0630	677.9051.S Removing 50-FT Camera Pole	1.000 EACH	_____.____	_____.____
0632	678.0012 Install Fiber Optic Cable Outdoor Plant 12-CT	770.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0634	678.0024 Install Fiber Optic Cable Outdoor Plant 24-CT	897.000 LF	_____.____	_____.____
0636	678.0072 Install Fiber Optic Cable Outdoor Plant 72-CT	5,677.000 LF	_____.____	_____.____
0638	678.0200 Fiber Optic Splice Enclosure	4.000 EACH	_____.____	_____.____
0640	678.0300 Fiber Optic Splice	38.000 EACH	_____.____	_____.____
0642	678.0400 Fiber Optic Termination	4.000 EACH	_____.____	_____.____
0644	678.0501 Communication System Testing	2.000 EACH	_____.____	_____.____
0646	678.0600 Install Ethernet Switches	1.000 EACH	_____.____	_____.____
0648	678.0700 Install Wireless Antennas	2.000 EACH	_____.____	_____.____
0650	690.0150 Sawing Asphalt	330.000 LF	_____.____	_____.____
0652	690.0250 Sawing Concrete	15,000.000 LF	_____.____	_____.____
0654	715.0502 Incentive Strength Concrete Structures	20,370.000 DOL	1.00000	20,370.00
0656	715.0603 Incentive Strength Concrete Barrier	1,069.000 DOL	1.00000	1,069.00
0658	715.0720 Incentive Compressive Strength Concrete Pavement	14,433.000 DOL	1.00000	14,433.00
0660	ASP.1T0A On-the-Job Training Apprentice at $5.00/ HR	2,100.000 HRS	5.00000	10,500.00
0662	ASP.1T0G On-the-Job Training Graduate at $5.00/ HR	6,420.000 HRS	5.00000	32,100.00

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0664	SPV.0035 Special 0100. Roadway Embankment	234,760.000 CY	_____.____	_____.____
0666	SPV.0035 Special 0105. Excavation, Hauling, and Re-Use of Low-Level Contaminated Material	4,160.000 CY	_____.____	_____.____
0668	SPV.0035 Special 0110. Planting Mixture	580.000 CY	_____.____	_____.____
0670	SPV.0035 Special 0800. HPC Masonry Structures	2,123.000 CY	_____.____	_____.____
0672	SPV.0060 Special 0100. Construction Staking Survey Project 1130-64-76	1.000 EACH	_____.____	_____.____
0674	SPV.0060 Special 0101. Construction Staking Survey Project 1130-64-81	1.000 EACH	_____.____	_____.____
0676	SPV.0060 Special 0105. Baseline CPM Progress Schedule	1.000 EACH	_____.____	_____.____
0678	SPV.0060 Special 0110. CPM Progress Schedule and Accepted Revisions	17.000 EACH	_____.____	_____.____
0680	SPV.0060 Special 0120. Settlement Gauges and Monitoring	10.000 EACH	_____.____	_____.____
0682	SPV.0060 Special 0150. Crash Cushions Temporary Left in Place	6.000 EACH	_____.____	_____.____
0684	SPV.0060 Special 0160. Mobilizations Emergency Pavement Repair	2.000 EACH	_____.____	_____.____
0686	SPV.0060 Special 0200. Northland Avenue Pond Outlet Storm Sewer Structure	2.000 EACH	_____.____	_____.____
0688	SPV.0060 Special 0201. Reconnect Storm Sewer	25.000 EACH	_____.____	_____.____
0690	SPV.0060 Special 0203. Storm Sewer Plug	29.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0692	SPV.0060 Special 0204. Detention Pond Anti Seep Collar	2.000 EACH	_____.____	_____.____
0694	SPV.0060 Special 0205. Cover Plates	53.000 EACH	_____.____	_____.____
0696	SPV.0060 Special 0206. Drain Slotted Vane ADA Compliant	2.000 EACH	_____.____	_____.____
0698	SPV.0060 Special 0207. Manhole 8-FT Riser Pipe Grate	1.000 EACH	_____.____	_____.____
0700	SPV.0060 Special 0500. Anchor Bolt Cover Shroud	3.000 EACH	_____.____	_____.____
0702	SPV.0060 Special 0501. Concrete Control Cabinet Double Base	1.000 EACH	_____.____	_____.____
0704	SPV.0060 Special 0600. Remove Traffic Signal IH 41 SB & STH 15 (S44-0665)	1.000 EACH	_____.____	_____.____
0706	SPV.0060 Special 0601. Remove Traffic Signal IH 41 NB & STH 15 (S44-0664)	1.000 EACH	_____.____	_____.____
0708	SPV.0060 Special 0701. Salvaging Ramp Gate System	4.000 EACH	_____.____	_____.____
0710	SPV.0060 Special 1000. Temporary Overhead Sign Structure (S-01-0001-TEMP)	1.000 EACH	_____.____	_____.____
0712	SPV.0060 Special 1005. Transporting Temporary Overhead Sign Structure (S-01-0001-TEMP)	1.000 EACH	_____.____	_____.____
0714	SPV.0060 Special 1200. Reconstructing Sanitary Manhole	4.000 EACH	_____.____	_____.____
0716	SPV.0060 Special 1201. Adjusting Water Valve Box	5.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0718	SPV.0060 Special 1202. Adjusting Sanitary Manhole	1.000 EACH	_____.____	_____.____
0720	SPV.0075 Special 0100. Street Sweeping	120.000 HRS	_____.____	_____.____
0722	SPV.0085 Special 0100. Low Maintenance Seed Mix	750.000 LB	_____.____	_____.____
0724	SPV.0090 Special 0100. Removal and Salvage of High-Tension Cable Guard and Posts	11,590.000 LF	_____.____	_____.____
0726	SPV.0090 Special 0150. Concrete Barrier Temporary Precast Left in Place	26,200.000 LF	_____.____	_____.____
0728	SPV.0090 Special 0200. Sump Pump Connections	100.000 LF	_____.____	_____.____
0730	SPV.0090 Special 0205. Precast Trench Drain	50.000 LF	_____.____	_____.____
0732	SPV.0090 Special 0600. Drilling Shaft 42-Inch Special	35.000 LF	_____.____	_____.____
0734	SPV.0090 Special 0801. Fence Chain Link Polymer Coated 6-Ft B-44-315	379.000 LF	_____.____	_____.____
0736	SPV.0090 Special 0802. Fence Chain Link Polymer Coated 6-FT B-44-316	379.000 LF	_____.____	_____.____
0738	SPV.0090 Special 0803. Fence Chain Link Polymer Coated 6-FT B-44-317	628.000 LF	_____.____	_____.____
0740	SPV.0090 Special 0804. PVC Pipe Sleeve	20.000 LF	_____.____	_____.____
0742	SPV.0090 Special 0900. Fence Chain Link Polymer-Coated 6-Ft R-44-30	182.000 LF	_____.____	_____.____
0744	SPV.0090 Special 0901. Fence Chain Link Polymer-Coated 6-Ft R-44-31	202.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0746	SPV.0090 Special 0902. Fence Chain Link Polymer-Coated 6-Ft R-44-32	168.000 LF	_____.____	_____.____
0748	SPV.0090 Special 0903. Fence Chain Link Polymer-Coated 8-Ft R-44-33	387.000 LF	_____.____	_____.____
0750	SPV.0090 Special 1000. Drilling Shaft 48-Inch Special	46.000 LF	_____.____	_____.____
0752	SPV.0165 Special 0800. Longitudinal Grooving Bridge Deck	28,421.000 SF	_____.____	_____.____
0754	SPV.0165 Special 0900. Wall Concrete Mechanically Stabilized Earth R-44-30	5,613.000 SF	_____.____	_____.____
0756	SPV.0165 Special 0901. Wall Concrete Panel Mechanically Stabilized Earth R-44-31	5,751.000 SF	_____.____	_____.____
0758	SPV.0165 Special 0902. Wall Concrete Panel Mechanically Stabilized Earth R-44-32	3,522.000 SF	_____.____	_____.____
0760	SPV.0165 Special 0903. Wall Concrete Panel Mechanically Stabilized Earth R-44-33	3,005.000 SF	_____.____	_____.____
0762	SPV.0165 Special 0904. Wall Concrete Panel Mechanically Stabilized Earth R-44-56	5,880.000 SF	_____.____	_____.____
0766	SPV.0195 Special 0101. Hauling and Disposal of Contaminated Soil	44.000 TON	_____.____	_____.____
0770	608.3018 Storm Sewer Pipe Class III-A 18-Inch	410.000 LF	_____.____	_____.____
0772	628.7515.S Stone Ditch Checks	90.000 CY	_____.____	_____.____
0774	645.0130 Geotextile Type R	300.000 SY	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0776	SPV.0090 Special 0500. Liquid Tight Flexible Nonmetallic Schedule 80 2-Inch	120.000 LF	_____.____	_____.____
0778	SPV.0090 Special 0155. HMA Longitudinal Joint Repair	1,500.000 LF	_____.____	_____.____

Section: 0001 **Total:** _____.____

Total Bid: _____.____

Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

February 8, 2024

NOTICE TO ALL CONTRACTORS:

Proposal #18:

1130-64-76, WISC 2024306
Appleton – De Pere
Northland/STH 15 Intchg B440315/16
IH 041
Outagamie County

1130-64-81, WISC 2024229
Appleton – De Pere
Capitol Drive Overpass B440317
IH 041
Outagamie County

Letting of February 13, 2024

This is Addendum No. 03, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
2.1	Prosecution and Progress

Added Special Provisions	
Article No.	Description
18.8	Emergency Response to Traffic Involving Concrete Barrier Temporary, Item SPV.0060.0165
18.9	Emergency Response to Traffic Involving Crash Cushions Temporary, Item SPV.0060.0170

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
205.0100	Excavation Common	CY	289,324	-200	289,124
305.0110	Base Aggregate Dense ¾-Inch	TON	626	-40	586
305.0120	Base Aggregate Dense 1 ¼-Inch	TON	42,259	623	42,882
312.0110	Select Crushed Material	TON	168,400	1,434	169,834
455.0605	Tack Coat	GAL	2,384	167	2,551
465.0105	Asphaltic Surface	TON	6,330	490	6,820
505.0400	Bar Steel Reinforcement HS Structures	LB	44,550	40	44,590

603.8000	Concrete Barrier Temporary Precast Delivered	LF	28,347	2,200	30,547
603.8125	Concrete Barrier Temporary Precast Installed	LF	29,847	2,200	32,047
603.8500	Anchoring Concrete Barrier Temporary Precast	LF	656	13	669
623.0200	Dust Control Surface Treatment	SY	65,950	1,267	67,217
624.0100	Water	MGAL	1,560	5	1,565
625.0500	Salvaged Topsoil	SY	188,190	-3,220	184,970
628.2002	Erosion Mat Class I Type A	SY	164,700	-1,600	163,100
630.0130	Seeding Mixture No. 30	LB	7,750	-70	7,680
630.0500	Seed Water	MGAL	4,760	-100	4,660
638.2102	Moving Signs Type II	EACH	47	1	48
643.0300	Traffic Control Drums	DAYS	83,587	1,973	85,560
646.2020	Marking Line Epoxy 6-Inch	LF	31,923	370	32,293
690.0250	Sawing Concrete	LF	15,000	100	15,100
SPV.0600.0150	Crash Cushions Temporary Left in Place	EA	6	-1	5
SPV.0090.0150	Concrete Barrier Temporary Precast Left in Place	LF	26,200	1,500	27,700

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Quantity Added	Proposal Total After Addendum
204.0130	Removing Curb	LF	0	156	156
416.0610	Drilled Tie Bars	EACH	0	60	60
601.0115	Concrete Curb Type G	LF	0	156	156
656.0201	Electrical Service Meter Breaker Pedestal (location) 0001. IH 41 NB & STH 15 (S44-0664)	EACH	1	1	1
656.0201	Electrical Service Meter Breaker Pedestal (location) 0002. IH 41 SB & STH 15 (S44-0665)	EACH	1	1	1
658.0416	Pedestrian Signal Face 16-Inch	EACH	0	12	12
SPV.0060.0165	Emergency Response to Traffic Involving Concrete Barrier Temporary	EACH	0	5	5
SPV.0060.0170	Emergency Response to Traffic Involving Crash Cushions Temporary	EACH	0	5	5

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
460.6223	HMA Pavement 3 MT 58-28 S	TON	153	-153	0
658.0412	Pedestrian Signal Face 12-Inch	EACH	12	-12	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
5 – 6	Updated NLAT (Interim Ramp A) linework
13	Removed concrete barrier from interim typical section
14	Updated NLAT (Interim Ramp A) typical sections
86	Updated Plan Details Legend. Added Concrete Curb Type G, Drilled Tie Bars
95 – 96	Updated temporary barrier linework
111 - 113	Updated NLAT (Interim Ramp A) linework
140-141	Updated temporary barrier linework
156 - 158	Updated NLAT (Interim Ramp A) pavement grades
208	Updated temporary barrier linework
215	Updated NLAT (Interim Ramp A) linework
218	Updated NLAT (Interim Ramp A) linework
223	Updated NLAT (Interim Ramp A) linework
293 – 294	Updated NLAT (Interim Ramp A) pavement markings
303 – 304	Updated NLAT (Interim Ramp A) pavement markings
342	Updated drums on Ramp D
357	Updated temporary barrier on Ramp D
358	Updated temporary barrier
377-378	Updated NLAT (Interim Ramp A) linework and Ramp D temporary barrier
383	Updated linework for temporary connection from existing Ramp D to STH 15
394-395	Updated NLAT (Interim Ramp A) linework and Ramp D temporary barrier
400	Updated linework for temporary connection from existing Ramp D to STH 15
404	Updated Traffic Control notes
406	Updated NLAT (Interim Ramp A) linework
407	Updated linework for temporary connection from existing Ramp D to STH 15
451	Updated quantity for bid item: Sawing Concrete
454	Updated quantities for bid items: Excavation Common, Roadway Embankment.
460	Updated quantity for bid item: Erosion Mat Class 1 Type A
464	Updated quantity for bid items: Fertilizer Type B, Seeding Mixture No. 30, Seed Water.
465	Updated quantities for bid items: Concrete Barrier Temporary Precast Delivered, Concrete Barrier Temporary Precast Installed, Anchoring Concrete Barrier Temporary Precast.
466	Updated table for traffic control items to include items for temporary pavement. Updated quantity for drums.
468	Added quantity for bid item: Removing Curb. Updated quantity for bid item: Moving Signs Type II.
471-472	Added note for additional quantities shown elsewhere.
474	Updated quantity for bid item: Drilled Tie Bars.
475	Added note for additional quantities shown elsewhere.
477-478	Added quantity for bid item: Concrete Curb Type G.
481	Updated quantity for bid item: Concrete Barrier Temporary Precast Left In Place. Added quantities for bid items: Emergency Response to Traffic Involving Concrete Barrier Temporary, Emergency Response to Traffic Involving Crash Cushions Temporary.
482	Updated quantities for bid items: Crash Cushions Temporary Left In Place, Crash Cushions Temporary.
489	Updated quantity for bid items: Salvaged Topsoil.
496	Updated quantity for bid items: Marking Line Epoxy 6-Inch.
538	Added quantities for bid items: Electrical Service Meter Breaker Pedestal, Pedestrian Signal Face 16-Inch. Removed quantity for bid item: Pedestrian Signal Face 12-Inch.
546	Added quantities for bid items: Electrical Service Meter Breaker Pedestal, Pedestrian Signal Face 16-Inch. Removed quantity for bid item: Pedestrian Signal Face 12-Inch.
615	Updated NLAT (Interim Ramp A) linework on Plan and Profile.

617	Updated NLAT (Interim Ramp A) linework on Plan and Profile.
629-630	Updated NLAT (Interim Ramp A) linework on Plan and Profile.
917	General Plan & Elevation – Revised List of Drawings
934	Pier Columns – Revised Reinforcement in Footing
953	Conduit Details – Updated details and added additional notes throughout sheet
956-957	Aesthetic Details – Revised Panel Dimensions and Post Spacing
958	General Plan & Elevation – Revised List of Drawings
960	Quantity – Revised Bid Item Quantity – 505.0400 Bar Steel Reinforcement HS Structures
974-975	Revised Reinforcement in Pier Footing
977	Pier Bill of Bars – Revised Pier Bar P809 and added B827
992	Conduit Details – Updated details and added additional notes throughout sheet
995-996	Aesthetic Details– Revised Panel Dimensions and Post Spacing
997	General Plan & Elevation – Revised List of Drawings
1034	Aesthetic Details (1 of 2) – Revised Road Name text details and parapet section details
1099	Updated earthwork data for NLAT (Interim Ramp A)
1259 - 1276	Revised NLAT (Interim Ramp A) Cross Sections

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
40B	HMA Longitudinal Joint Repair Construction Detail
215A-215B	Erosion control sheet for NLAT (Interim Ramp A) and NLBT (Interim Ramp B)
401A	Typical Sections for Ramp D Stages 3A/3B/3C
957A	Road Name Aesthetic Details – Revised Road Name text details and parapet section details
996A	Road Name Aesthetic Details – Revised Road Name text details and parapet section details
1035A	Road Name Aesthetic Details – Revised Road Name text details and parapet section details

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 03

1130-64-76 and 1130-64-81

February 8, 2024

Special Provisions

2.2 Prosecution and Progress.

Add the following after section titled **Interim Completion and Liquidated Damages - IH 41 Temporary Widening: November 1, 2024***:*

Interim Completion and Liquidated Damages – B-44-0315/0316 Median Pier Completion: April 25, 2025

Complete all work required to construct the median bridge piers for B-44-0315 and B-44-0316 by April 25, 2025. Complete the median piers to a point that will allow placement of the temporary widening along the IH 41 northbound median shoulder. Widening of the median shoulder is necessary as the 1130-64-71/72/87 project must shift traffic to the median shoulder of IH 41 northbound before completing the temporary widening along the outside shoulder of IH 41 northbound.

If the contractor fails to complete the work necessary to complete the median bridge piers by April 25, 2025, the department will assess the contractor $10,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on April 25, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Replace paragraphs one and two under section titled **Interim Completion and Liquidated Damages – NB IH 41 Entrance Ramp from STH 15: September 15, 2025** *with the following:*

Complete the work necessary to reopen the northbound IH 41 entrance ramp from STH 15 to traffic by September 15, 2025.

If the contractor fails to complete the work necessary to reopen the northbound IH 41 entrance ramp from STH 15 to traffic by September 15, 2025, the department will assess the contractor $3,750 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on September 16, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Replace entire section titled **Interim Completion and Liquidated Damages – SB IH 41 Entrance Ramp to STH 15**: **September 15, 2025** *with the following:*

Interim Completion and Liquidated Damages – SB IH 41 Entrance Ramp from STH 15: October 1, 2025

Complete the work necessary to reopen the southbound IH 41 entrance ramp from STH 15 to traffic by October 1, 2025.

If the contractor fails to complete the work necessary to reopen the southbound IH 41 entrance ramp from STH 15 to traffic by October 1, 2025, the department will assess the contractor $4,500 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on October 1, 2025. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

If contract time expires prior to completing all work specified in the contract, additional liquidated damages will be affixed according to standard spec 108.11.

18.8 Emergency Response to Traffic Involving Concrete Barrier Temporary, Item SPV.0060.0165

A Description

This special provision describes providing prompt response to an emergency repair request for damaged and/or displaced temporary concrete barrier installed under this project and for temporary concrete barrier left in place that are damaged or displaced due to a vehicular collision during the time this contract is in effect.

B Vacant

C Construction

The contractor shall provide staff, equipment, and materials to the incident site within one hour of receiving a repair request from the responding agency. The contractor shall consult with the department's representative on potential repair or replacement options to restore the temporary concrete barrier to proper working condition. Staff and equipment deployed shall be capable of completing the needed repairs as quickly as possible once repair work is started. Repair work shall be completed off the traveled way to the maximum extent allowable. The contractor shall provide a time log of when the repair request was received and when staff arrived at the incident site. This information shall be submitted to the engineer, for verification, within 24 hours of the repair completion.

Contact information for the contractor's responsible party (the person or persons in charge of coordinating and completing repair efforts) shall be submitted to the engineer at the pre-construction meeting. This person(s) shall be available 24 hours a day, 7 days a week, during the duration of this contract. The contact information for the department's representative will be supplied to the contractor at the pre-construction meeting.

If the contractor fails to be on-site of an incident with appropriate staff and equipment within one hour of receiving a repair request, the department will assess the contractor $500 in liquidated damages for each 15-minute interval that the contractor is not present following the allotted one-hour response time. Increments of 15 minutes or less will be assessed as a 15-minute increment. The engineer, or designated representative, will be the sole authority in determining assessable 15-minute increments. Liquidated damages will be assessed under the administrative item Failing to Open Road to Traffic.

For contractor owned temporary concrete barrier and temporary concrete barrier left in place, repair work shall be completed according to standard spec 603 and 643, and as directed by the engineer. Additional traffic control measures may be required depending on the severity and duration of the incident. The contractor shall provide any needed traffic control measures as directed by the department's representative.

D Measurement

The department will measure Emergency Response to Traffic Involving Concrete Barrier Temporary as each individual response, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0165	Emergency Response to Traffic Involving Concrete Barrier Temporary	EACH

Payment is full compensation for providing prompt response to an emergency repair request for damaged and/or dislodged temporary concrete barrier located within the project limits.

The cost of providing the appropriate level of on-call staff and equipment for 24 hour a day incident response availability shall be included in the Mobilization bid item for this project.

If the displaced barrier is damaged, replacement of the barrier is incidental to the items Concrete Barrier Temporary Precast Installed and Maintain and Remove Concrete Barrier Temporary Left in Place. If the displaced barrier is anchored, re-anchoring the barrier wall will be paid for under the Anchoring Concrete Barrier Temporary Precast bid item. The anchoring bid item will be used for both contractor owned temporary concrete barrier and temporary concrete barrier left in place that are anchored.

The department will pay for any additional traffic control measures, if required, under the respective traffic control bid items in the contract.

18.9 Emergency Response to Traffic Involving Crash Cushions Temporary, Item SPV.0060.0170

A Description

This special provision describes providing prompt response to an emergency repair request involving a damaged temporary crash cushion installed under this project and for crash cushions temporary left in place that are displaced or damaged due to a vehicular collision during the time this contract is in effect.

B Vacant

C Construction

The contractor shall provide appropriate staff to the incident site within one hour of receiving a repair request from the responding agency. Staff deployed shall be capable of immediately assessing the severity of the damage to the device and consult with the department's representative on potential repair or replacement options and the projected timeline to restore the roadside device to its proper working condition. The contractor shall provide a time log of when the repair request was received and when staff arrived at the incident site. This information shall be submitted to the engineer, for verification, within 24 hours of the repair completion.

Contact information for the contractor's responsible party (the person or persons in charge of coordinating repair efforts) shall be submitted to the engineer at the pre-construction meeting. This person(s) shall be available 24 hours a day, 7 days a week, during the duration of this contract. The contact information for the department's representative will be supplied to the contractor at the pre-construction meeting.

If the contractor fails to be on-site of an incident with appropriate staff within one hour of receiving a repair request, the department will assess the contractor $500 in liquidated damages for each 15-minute interval that the contractor is not present following the allotted one-hour response time. Increments of 15 minutes or less will be assessed as a 15-minute increment. The engineer, or designated representative, will be the sole authority in determining assessable 15-minute increments. Liquidated damages will be assessed under the administrative item Failing to Open Road to Traffic.

Repair work shall be completed according to standard spec 614, and as directed by the engineer. Once repair work has been started, work shall continue until completion. Repair work shall be completed off the traveled way to the maximum extent allowable.

Additional traffic control measures may be required depending on the severity and duration of the incident. The contractor shall provide any needed traffic control measures as directed by the department's representative.

D Measurement

The department will measure Emergency Response to Traffic Involving Temporary Crash Cushion as each individual response, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0170	Emergency Response to Traffic Involving Crash Cushion Temporary	EACH

Payment is full compensation for providing a prompt staff response to an emergency repair request for a damaged crash cushion device located within the project limits. If a crash cushion temporary requires replacement, payment for the installation and future removal of the new crash cushion is incidental to item Crash Cushions Temporary.

The cost of providing the appropriate level of on-call staff and equipment for 24 hour a day incident response availability shall be incidental to the Mobilization bid item for this project.

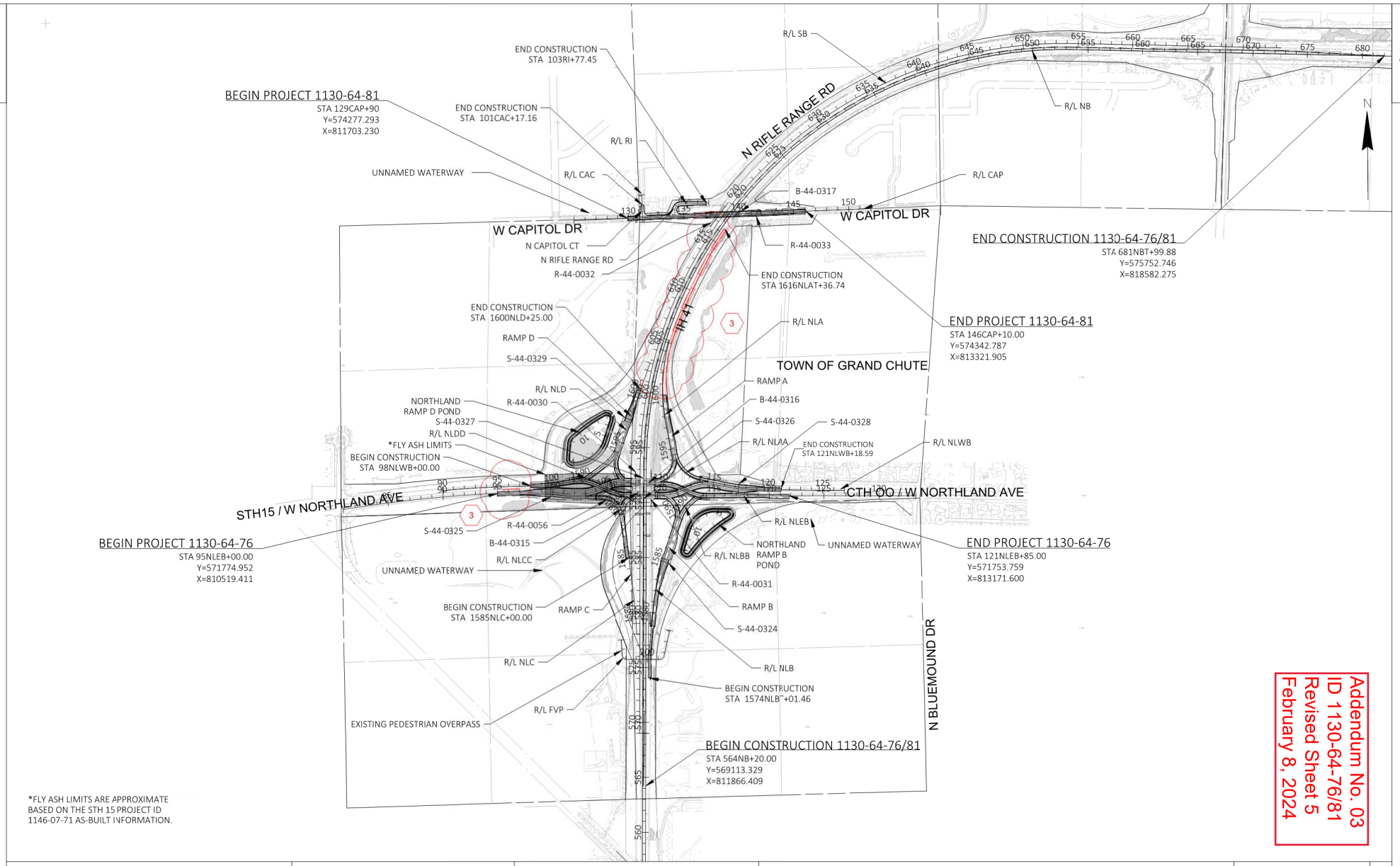
The department will pay for any additional traffic control measures, if required, under the respective traffic control bid items in the contract.

ner603 (20240111)

Schedule of Items
Attached, dated February 8, 2024, are the revised Schedule of Items Pages 1 – 27.

Plan Sheets
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 5-6,13-14, 86, 95-96, 111-113, 140-141, 156-158, 208, 215, 218, 223, 293-294, 303-304, 342, 357-358, 377-378, 383, 394-395, 400, 404, 406-407, 451, 454, 460, 464-466, 468, 471-472, 474-475, 477-478, 481-482, 489, 496, 538, 546, 615, 617, 629-630, 917, 934, 953, 956-958, 960, 974-975, 977, 992, 995-997, 1034, 1099 and 1259-1276.
Added: 40B, 215A-B, 401A, 957A, 996A and 1035A.

END OF ADDENDUM



Addendum No. 03
ID 1130-64-76/81
Revised Sheet 5
February 8, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PROJECT OVERVIEW	SHEET 5	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\020202-PO.DWG
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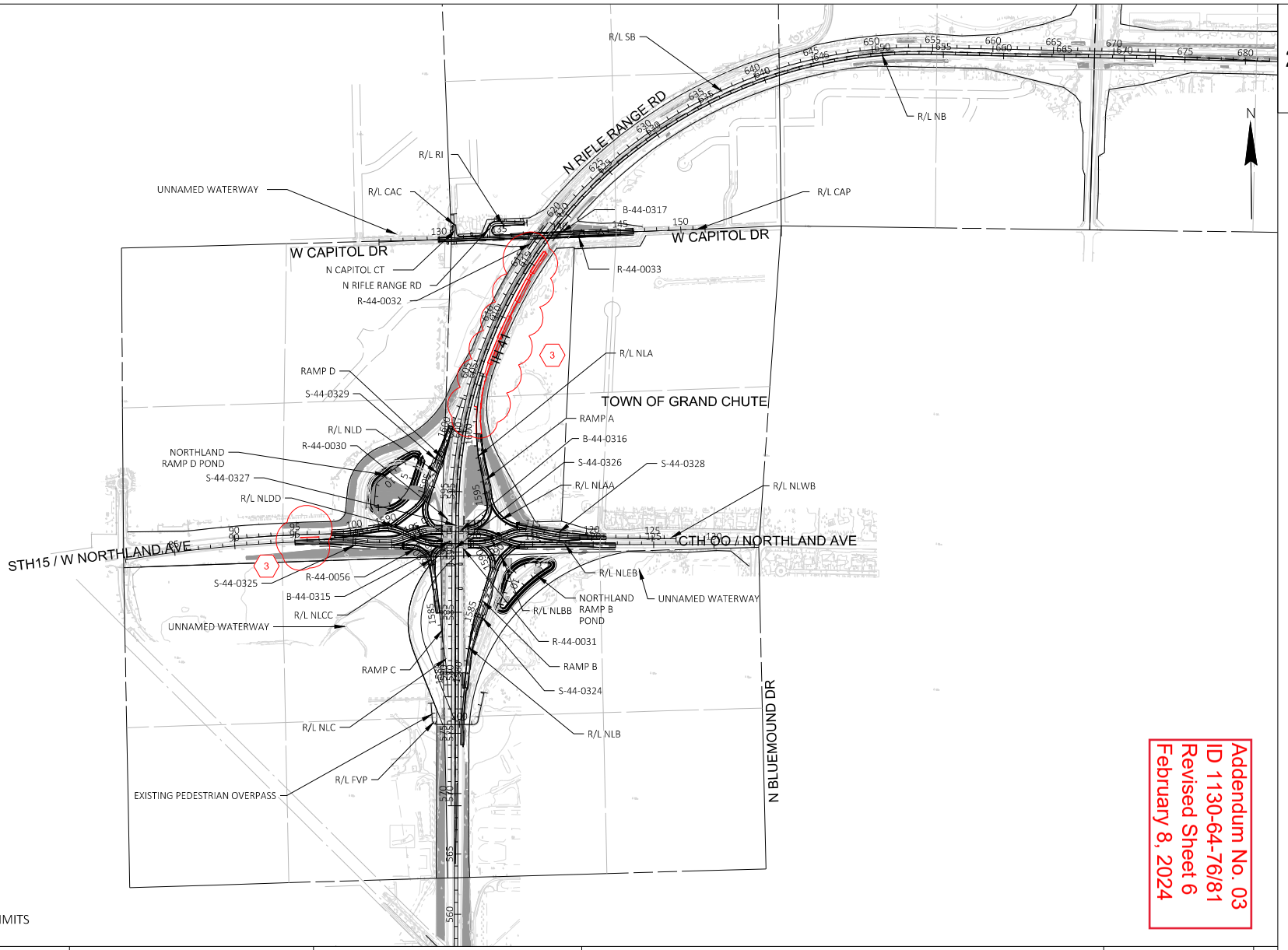
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:800 FT



EXISTING PHRAGMITES LIMITS

Addendum No. 03
ID 1130-64-76/81
Revised Sheet 6
February 8, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PHRAGMITES LIMITS OVERVIEW	SHEET 6	E

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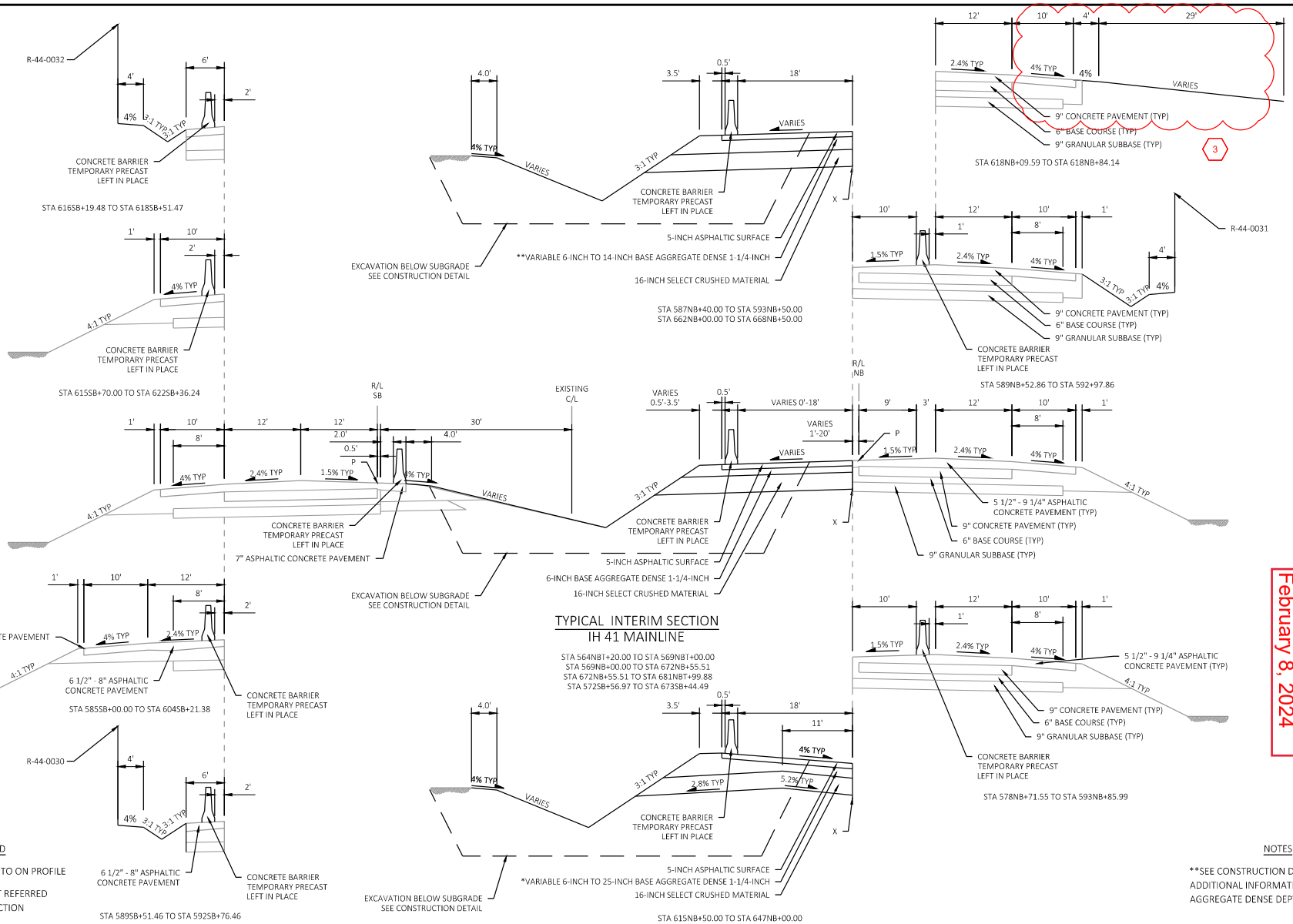
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:800 FT

WISDOT/CADDS SHEET 42



Addendum No. 03
ID 1130-64-76/81
Revised Sheet 13
February 8, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	TYPICAL IH 41 INTERIM SECTIONS	SHEET 13	E

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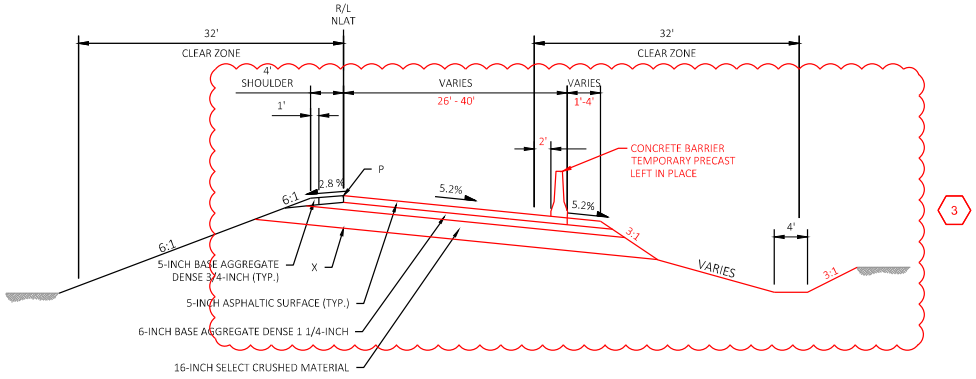
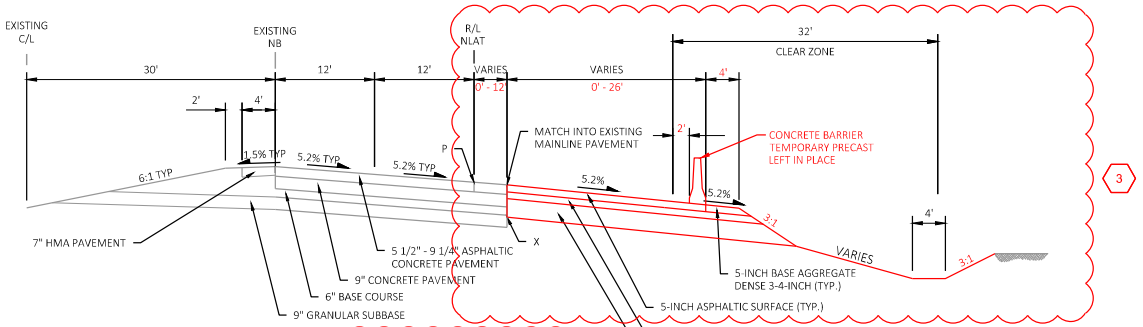
PLOT NAME :
PLOT SCALE : 1IN:15FT
WISDOT/CADDS SHEET 42



TYPICAL INTERIM SECTION
RAMP NLAT

STA 1599+97.39 TO STA
1602NLAT+22.05

3



TYPICAL INTERIM SECTION
RAMP NLAT

STA 1602NLAT+22.05 TO
STA 1616NLAT+36.74

3

LEGEND

"P" - POINT REFERRED TO ON PROFILE

"X" - SUBGRADE POINT REFERRED
TO ON CROSS SECTIONS

Addendum No. 03
ID 1130-64-76
Revised Sheet 14
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TYPICAL INTERIM SECTIONS	SHEET 14	E

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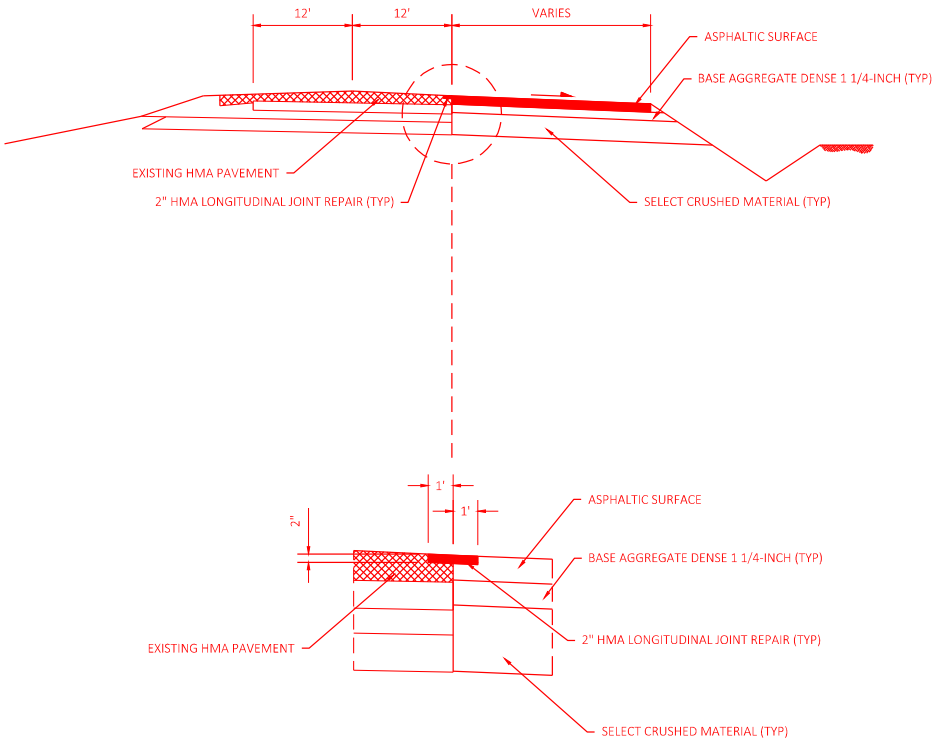
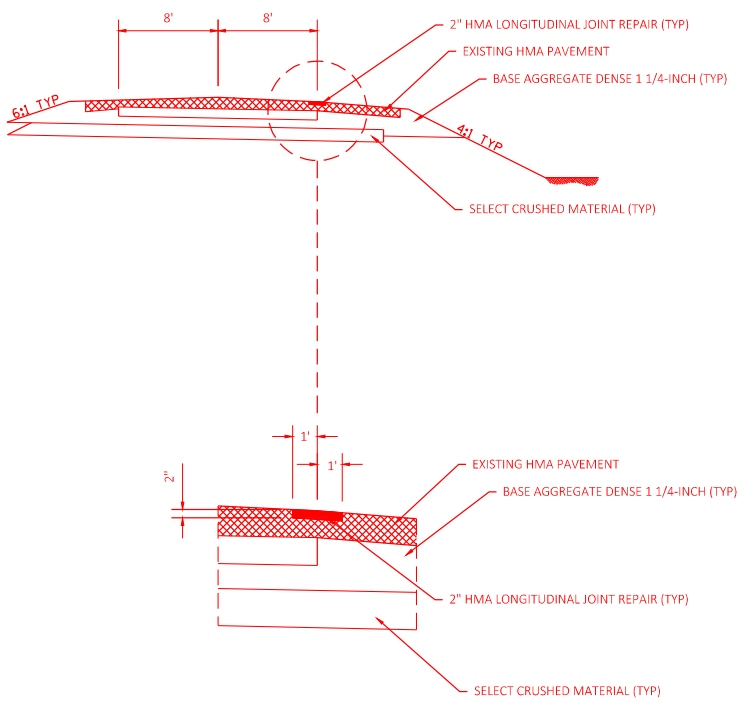
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1IN:15FT



HMA LONGITUDINAL JOINT REPAIR

ASPHALTIC SURFACE WIDENING JOINTS



HMA LONGITUDINAL JOINT REPAIR

EXISTING LONGITUDINAL JOINTS

Addendum No. 03
ID 1130-64-76/81
Added Sheet 40B
February 8, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 40B	E

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LAYOUT NAME - 4B
PLOT DATE : 2/7/2024 8:49 AM
PLOT BY : BRANDON HOFF
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

2

2

PLAN DETAILS LEGEND

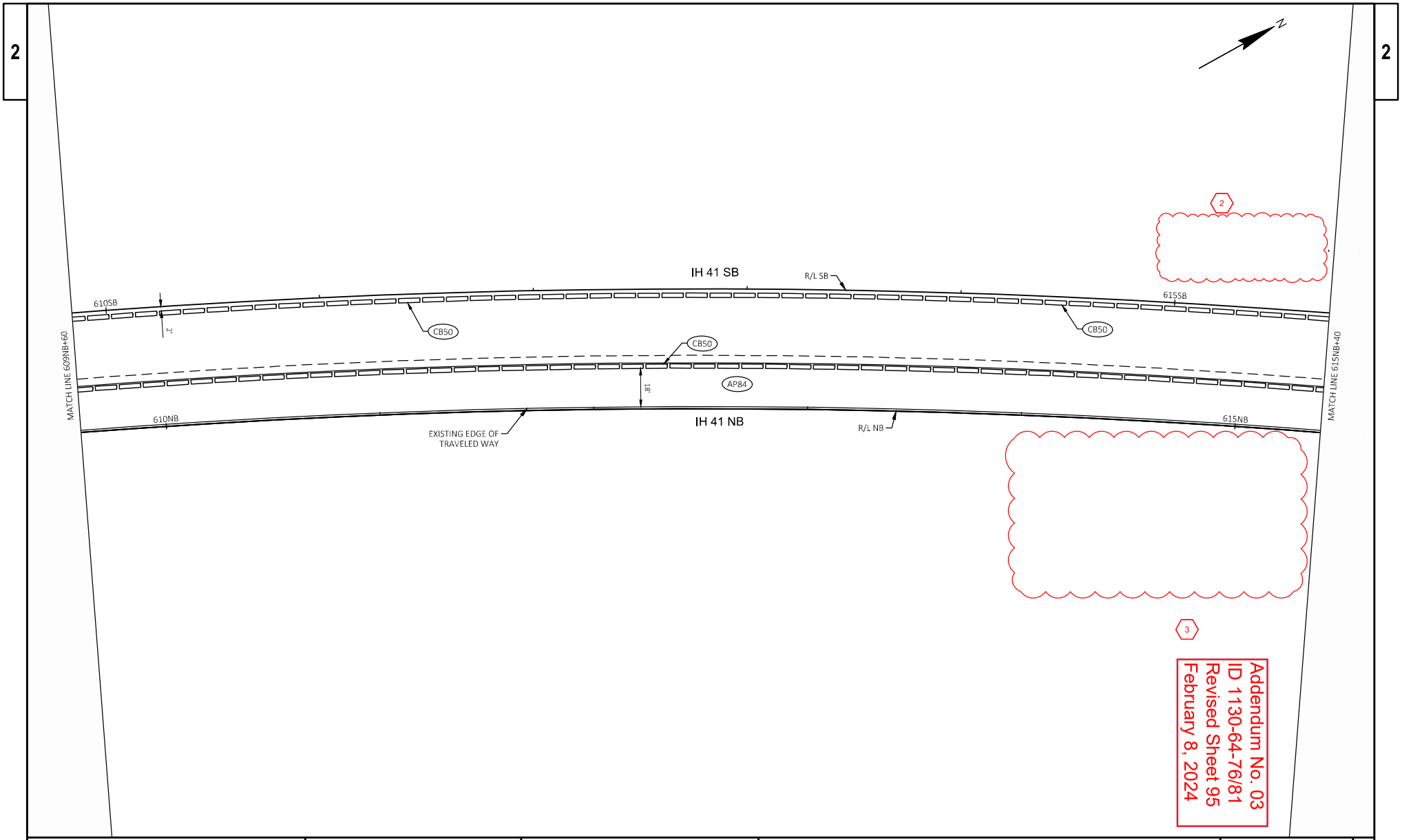
	AG01	BASE AGGREGATE DENSE 3/4-INCH
	AP04	HMA PAVEMENT 3 1/2-INCH
	AP06	HMA PAVEMENT 4 1/2-INCH
	AP84	5-INCH ASPHALTIC SURFACE
	BG19	GUARDRAIL MOW STRIP ASPHALT
	BG20	GUARDRAIL MOW STRIP CONCRETE
	BG28	CRASH CUSHIONS TEMPORARY LEFT IN PLACE
	BG32	MGS GUARDRAIL 3
	BG39	MGS THRIE BEAM TRANSITION
	BG40	MGS GUARDRAIL TERMINAL EAT
	CB06	CONCRETE BARRIER TYPE S42
	CB50	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
	CB52	ANCHORING CONCRETE BARRIER TEMPORARY PRECAST
3	CG03	CONCRETE CURB TYPE G
	CG07	CONCRETE GUTTER 24-INCH
	CG08	REVERSE CONCRETE GUTTER 24-INCH
	CG14	CONCRETE CURB & GUTTER 30-INCH TYPE A
	CG15	CONCRETE CURB & GUTTER 30 INCH TYPE D
	CG20	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
	CG42	CONCRETE CURB PEDESTRIAN
	CG43	CURB RAMP DETECTABLE WARNING FIELD YELLOW
	CG47	CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW
	CM01	CONCRETE SIDEWALK 4-INCH
	CM02	COLORING CONCRETE (CUSTOM)
	CM03	CONCRETE SIDEWALK 6-INCH
2	CM04	COLORING CONCRETE WISDOT RED
	CM08	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
	CM09	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
	CP01	CONCRETE PAVEMENT APPROACH SLAB
	CP09	CONCRETE PAVEMENT 9-INCH
	CP10	CONCRETE PAVEMENT 9 1/2-INCH
	DR01	CONCRETE DRIVEWAY 6-INCH
	DR09	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
	PV06	CONCRETE SURFACE DRAIN
3	PV08	DRILLED TIE BARS
	PV11	FILLING CONCRETE RUMBLE STRIPS 24-INCH
	SP01	SLOPE PAVING

NOTES: * DENOTES LOCATION OF DEPRESSED CURB HEAD
** DENOTES LOCATION OF REVERSE GUTTER SLOPE

Addendum No. 03
ID 1130-64-76/81
Revised Sheet 86
February 8, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS LEGEND	SHEET 86	E

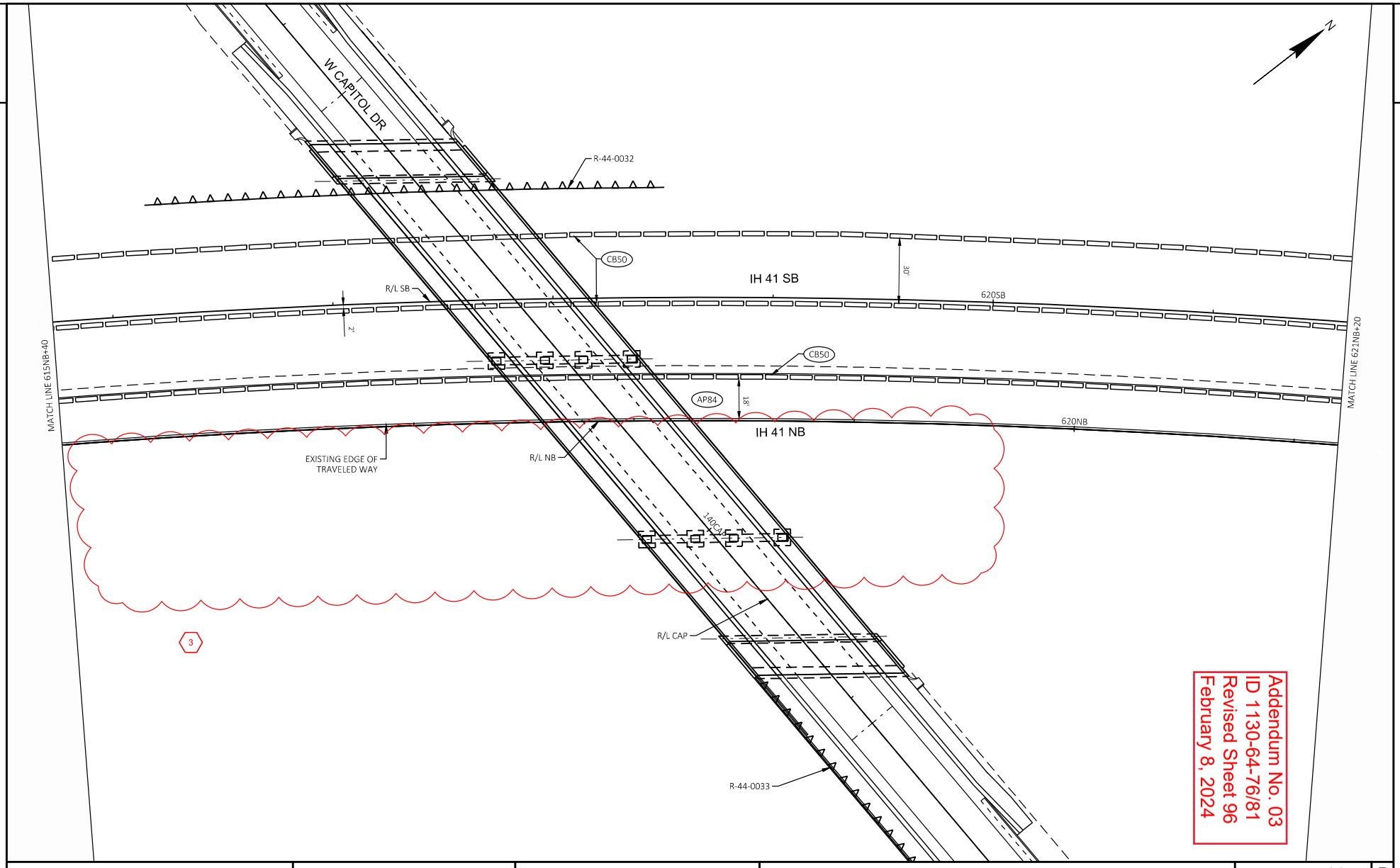
FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021200-PD-LEGEND.DWG
LAYOUT NAME - 1
PLOT DATE : 2/5/2024 11:10 PM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS - IH 41 MAINLINE - INTERIM	SHEET 95	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021202-TEMP-PD.DWG
LAYOUT NAME - 9
PLOT DATE : 2/5/2024 11:12 PM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

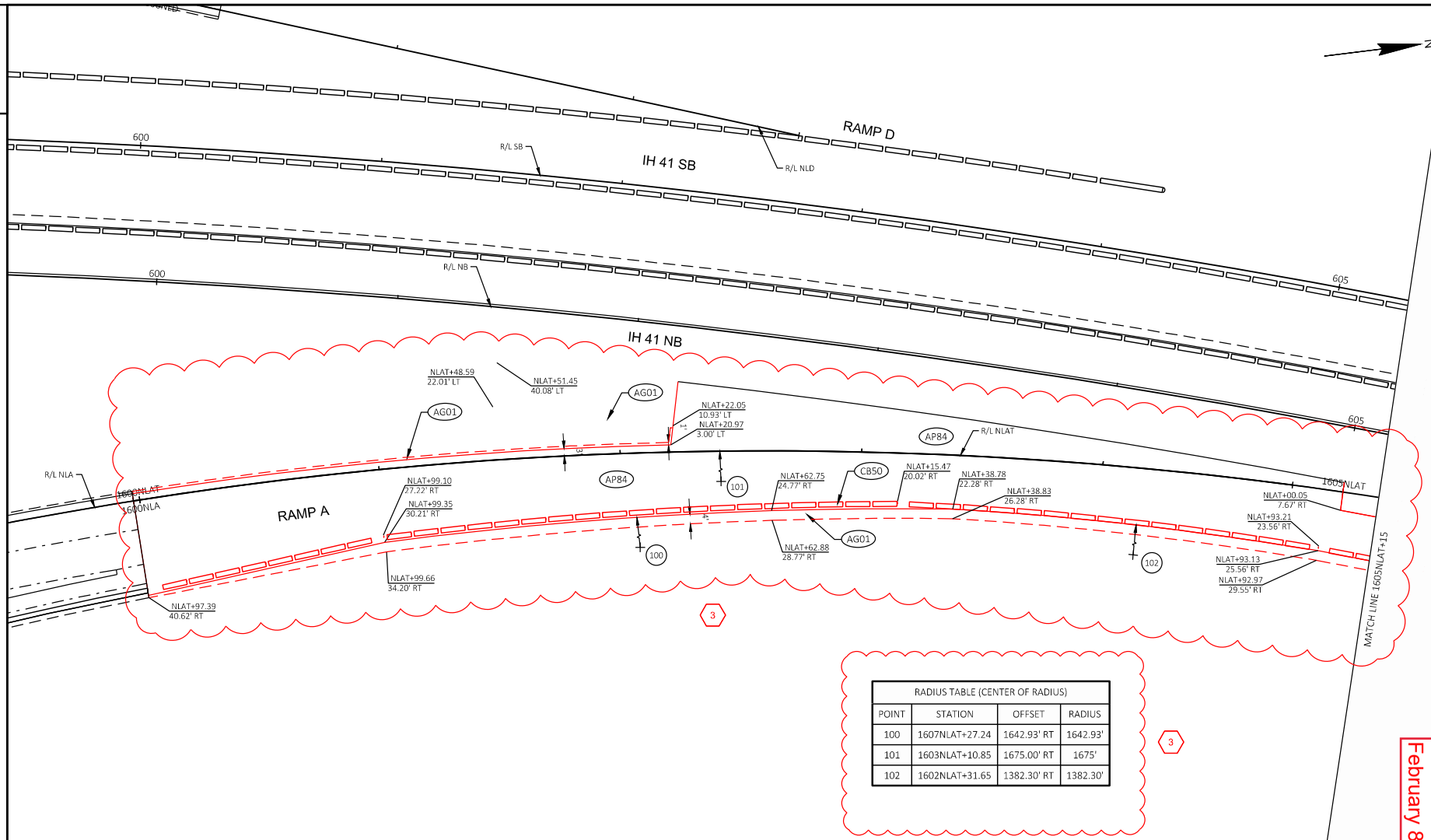


Addendum No. 03
ID 1130-64-76/81
Revised Sheet 96
February 8, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS - IH 41 MAINLINE - INTERIM	SHEET 96	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021202-TEMP-PD.DWG
LAYOUT NAME - 10
PLOT DATE : 2/6/2024 4:38 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



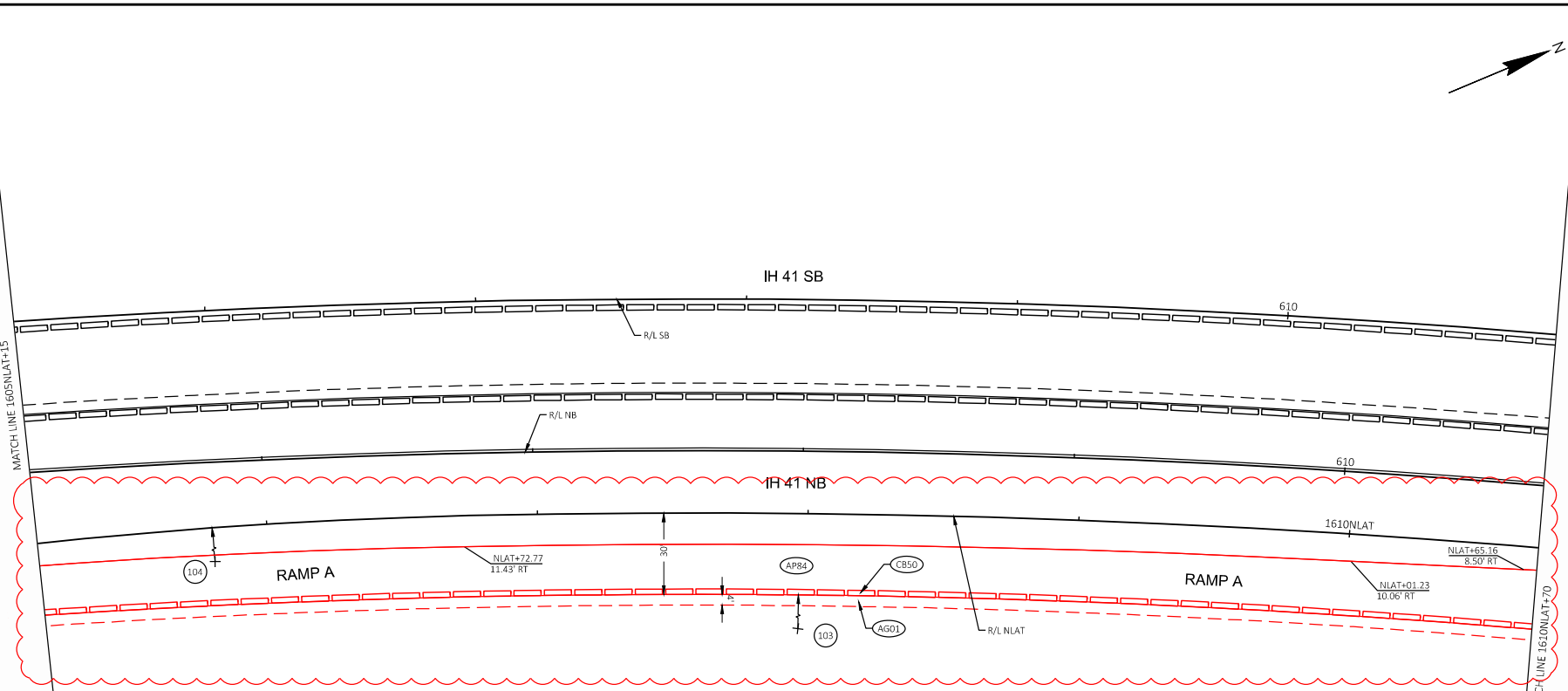
RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
100	1607NLAT+27.24	1642.93' RT	1642.93'
101	1603NLAT+10.85	1675.00' RT	1675'
102	1602NLAT+31.65	1382.30' RT	1382.30'

Addendum No. 03
ID 1130-64-76
Revised Sheet 111
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS: W NORTHLAND AVE - RAMP A INTERIM	SHEET 111	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021205-TEMP-PD.DWG
LAYOUT NAME - 1
PLOT DATE : 2/5/2024 11:13 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



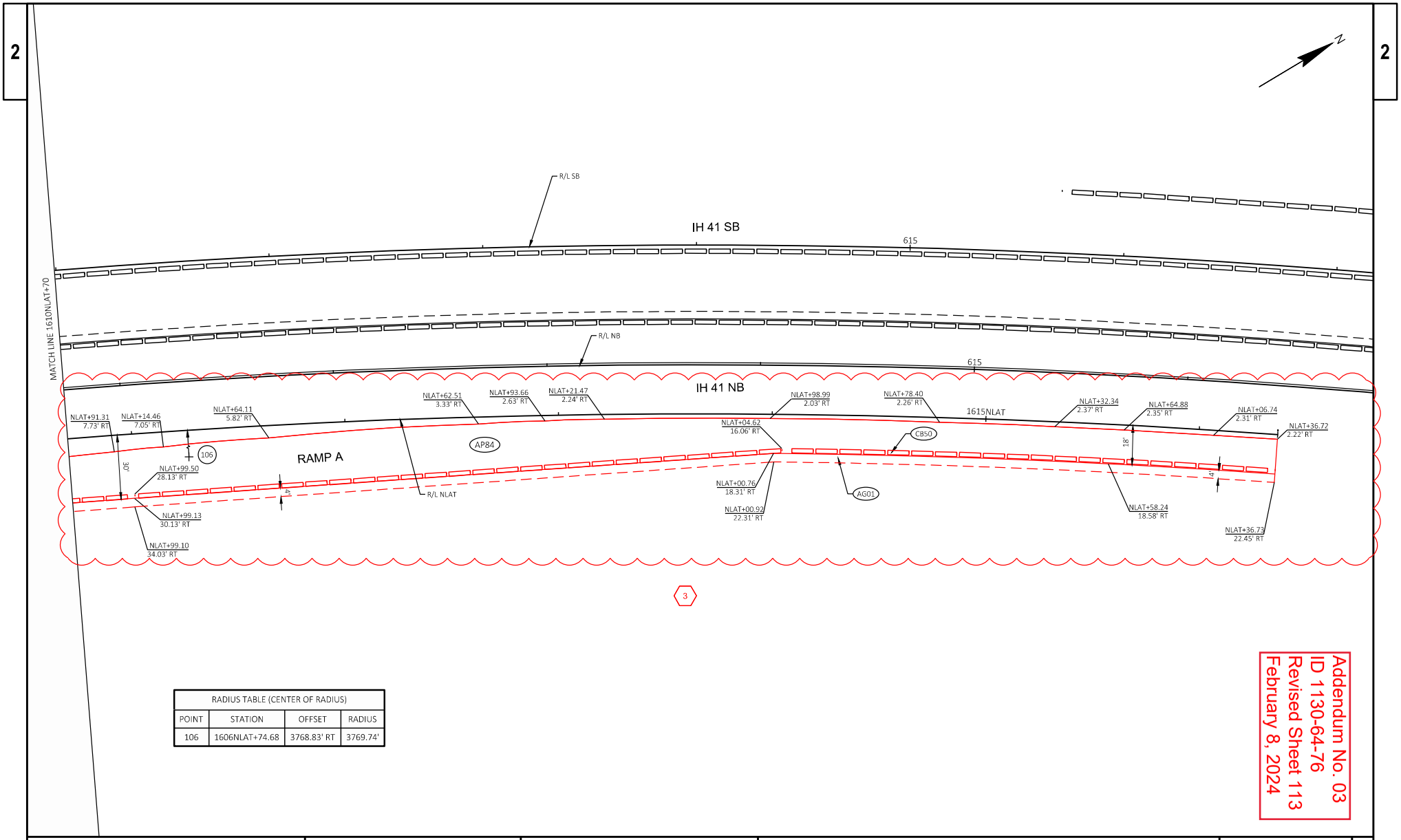
RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
103	1607NLAT+56.97	3735.45' RT	3735.45'
104	1605NLAT+32.43	1891.83' RT	1891.83'

Addendum No. 03
ID 1130-64-76
Revised Sheet 112
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS: W NORTHLAND AVE - RAMP A INTERIM	SHEET 112	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021205-TEMP-PD.DWG
LAYOUT NAME - 2
PLOT DATE : 2/5/2024 11:14 PM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

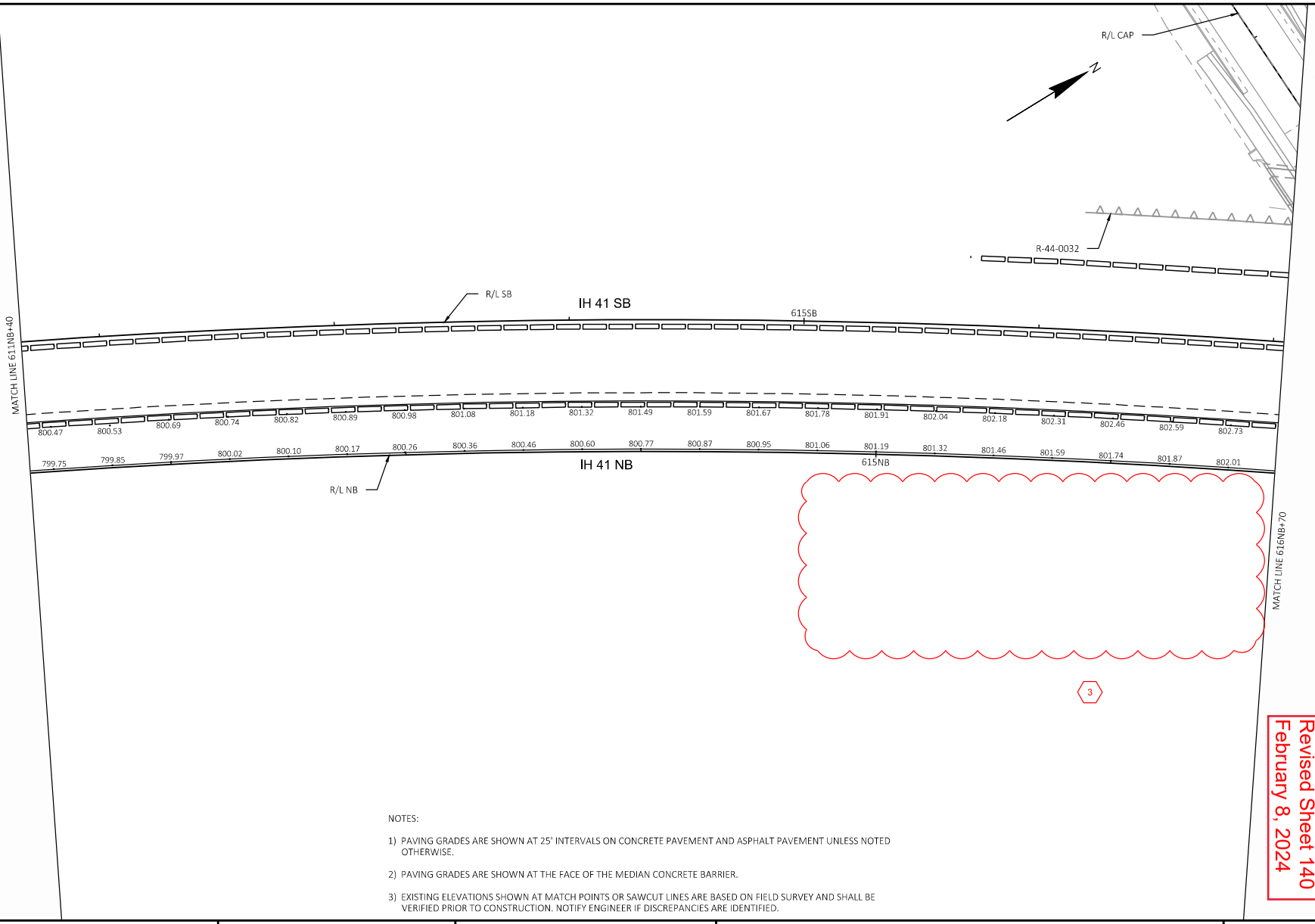


RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
106	1606NLAT+74.68	3768.83' RT	3769.74'

Addendum No. 03
ID 1130-64-76
Revised Sheet 113
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS: W NORTHLAND AVE - RAMP A INTERIM	SHEET 113	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021205-TEMP-PD.DWG
LAYOUT NAME - 3
PLOT DATE : 2/6/2024 4:40 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



NOTES:

1) PAVING GRADES ARE SHOWN AT 25' INTERVALS ON CONCRETE PAVEMENT AND ASPHALT PAVEMENT UNLESS NOTED OTHERWISE.

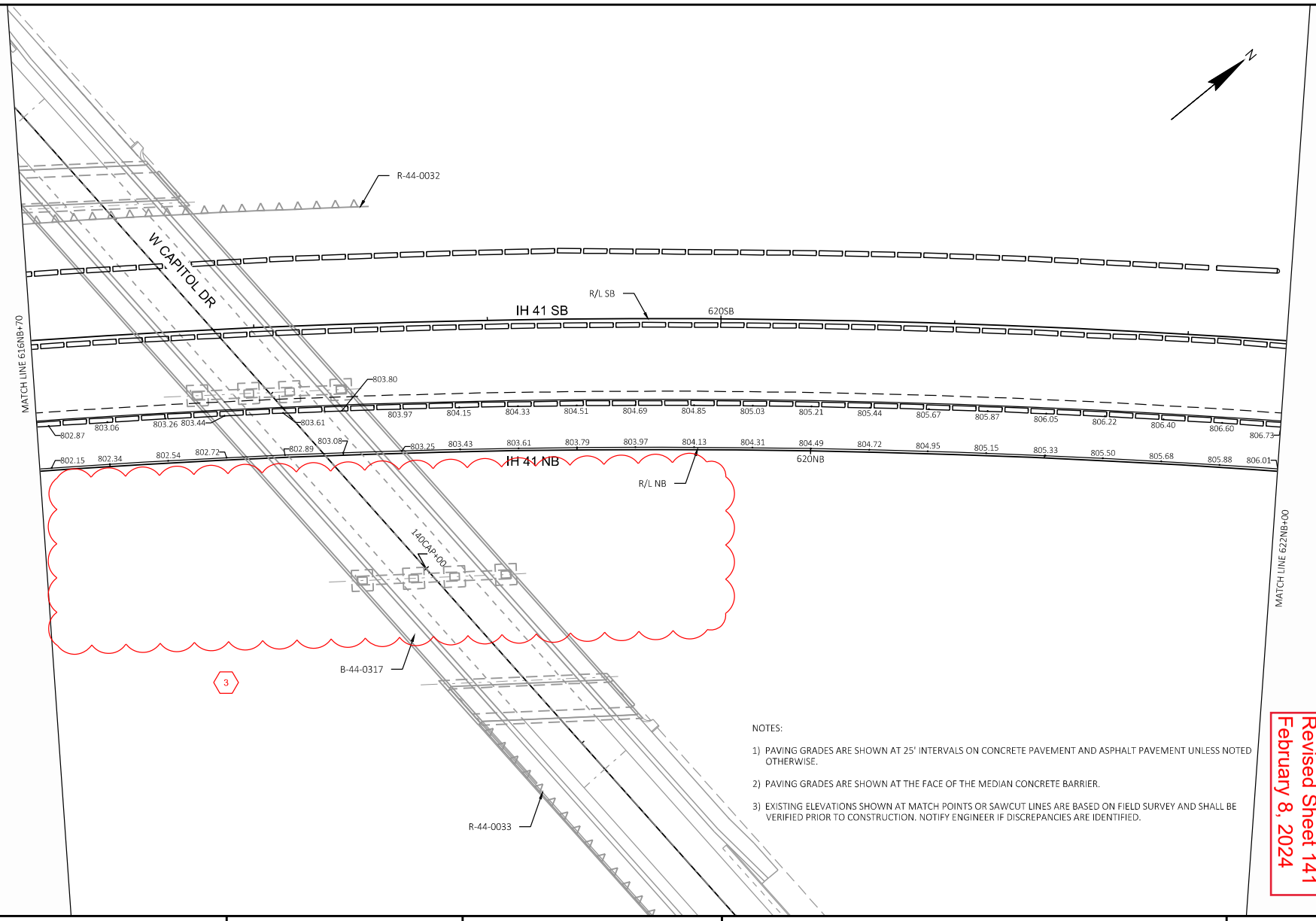
2) PAVING GRADES ARE SHOWN AT THE FACE OF THE MEDIAN CONCRETE BARRIER.

3) EXISTING ELEVATIONS SHOWN AT MATCH POINTS OR SAWCUT LINES ARE BASED ON FIELD SURVEY AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF DISCREPANCIES ARE IDENTIFIED.

Addendum No. 03
ID 1130-64-76/81
Revised Sheet 140
February 8, 2024

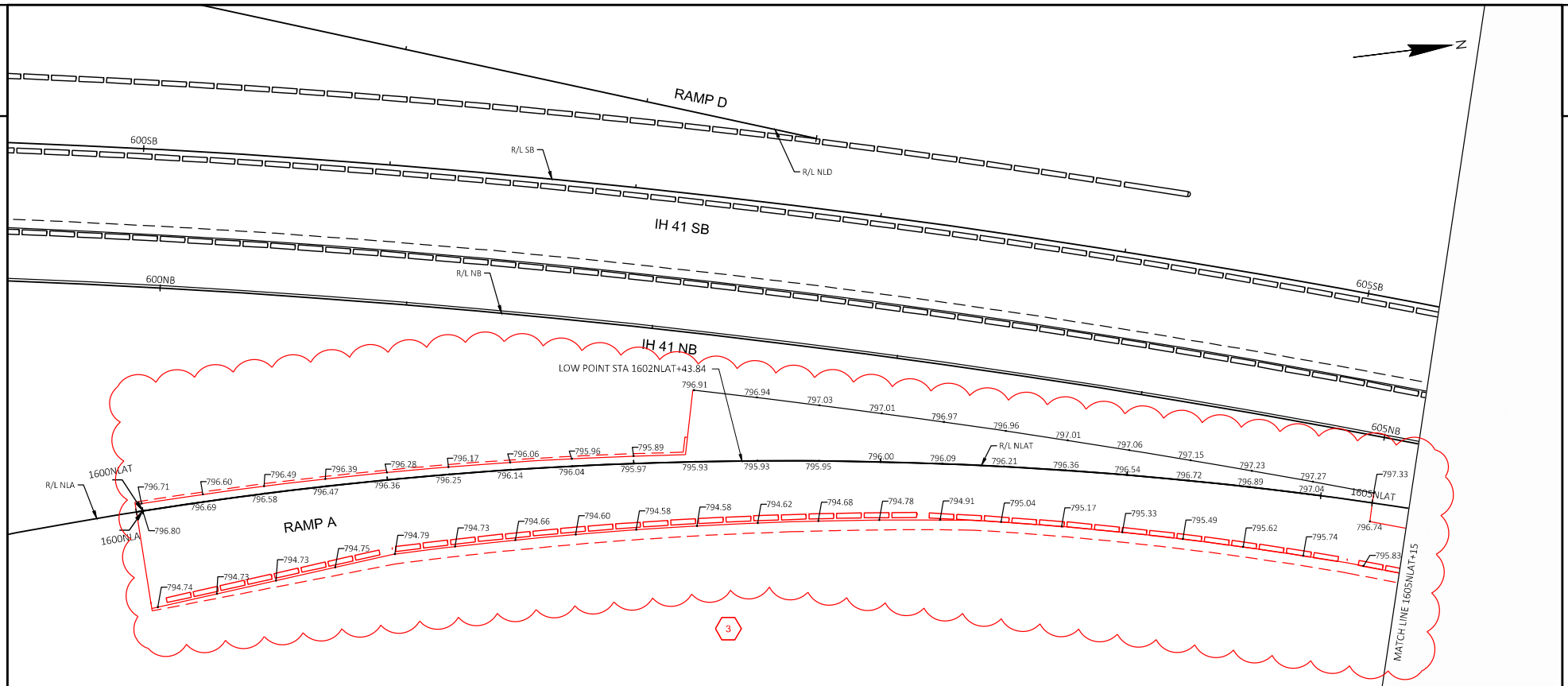
PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT GRADES: IH 41 INTERIM	SHEET 140	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021402-TEMP-PG.DWG
LAYOUT NAME - 10
PLOT DATE : 2/6/2024 4:44 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT GRADES: IH 41 INTERIM	SHEET 141	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021402-TEMP-PG.DWG
LAYOUT NAME - 11
PLOT DATE : 2/6/2024 4:46 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



NOTES:

1) ELEVATIONS ADJACENT TO CONCRETE BARRIER ARE SHOWN AT THE JOINT 2-FT IN FRONT OF BARRIER FACE WHERE JOINT IS REQUIRED. IN LOCATIONS WHERE JOINT IS OMITTED, ELEVATIONS ARE SHOWN AT THE FRONT FACE OF THE SINGLE SLOPE BARRIER

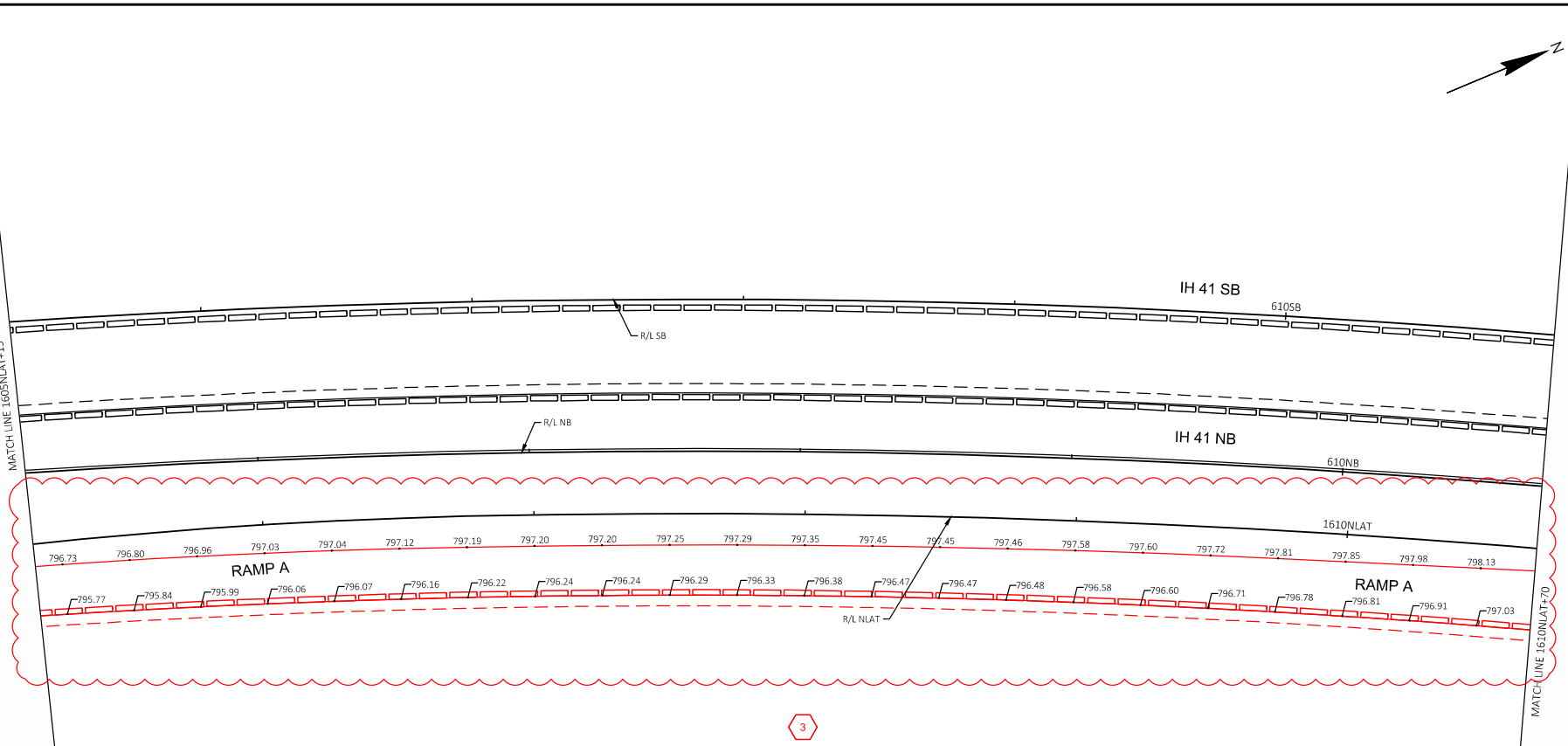
2) PAVING GRADES ARE SHOWN AT 25' INTERVALS ON CONCRETE PAVEMENT AND ASPHALT PAVEMENT UNLESS NOTED OTHERWISE.

3) EXISTING ELEVATIONS SHOWN AT MATCH POINTS OR SAWCUT LINES ARE BASED ON FIELD SURVEY AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF DISCREPANCIES ARE IDENTIFIED.

Addendum No. 03
ID 1130-64-76
Revised Sheet 156
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT GRADES: W NORTHLAND AVE - RAMP A INTERIM	SHEET 156	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021405-TEMP-PG.DWG
LAYOUT NAME - 1
PLOT DATE : 2/5/2024 11:19 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



NOTES:

1) ELEVATIONS ADJACENT TO CONCRETE BARRIER ARE SHOWN AT THE JOINT 2-FT IN FRONT OF BARRIER FACE WHERE JOINT IS REQUIRED. IN LOCATIONS WHERE JOINT IS OMITTED, ELEVATIONS ARE SHOWN AT THE FRONT FACE OF THE SINGLE SLOPE BARRIER

2) PAVING GRADES ARE SHOWN AT 25' INTERVALS ON CONCRETE PAVEMENT AND ASPHALT PAVEMENT UNLESS NOTED OTHERWISE.

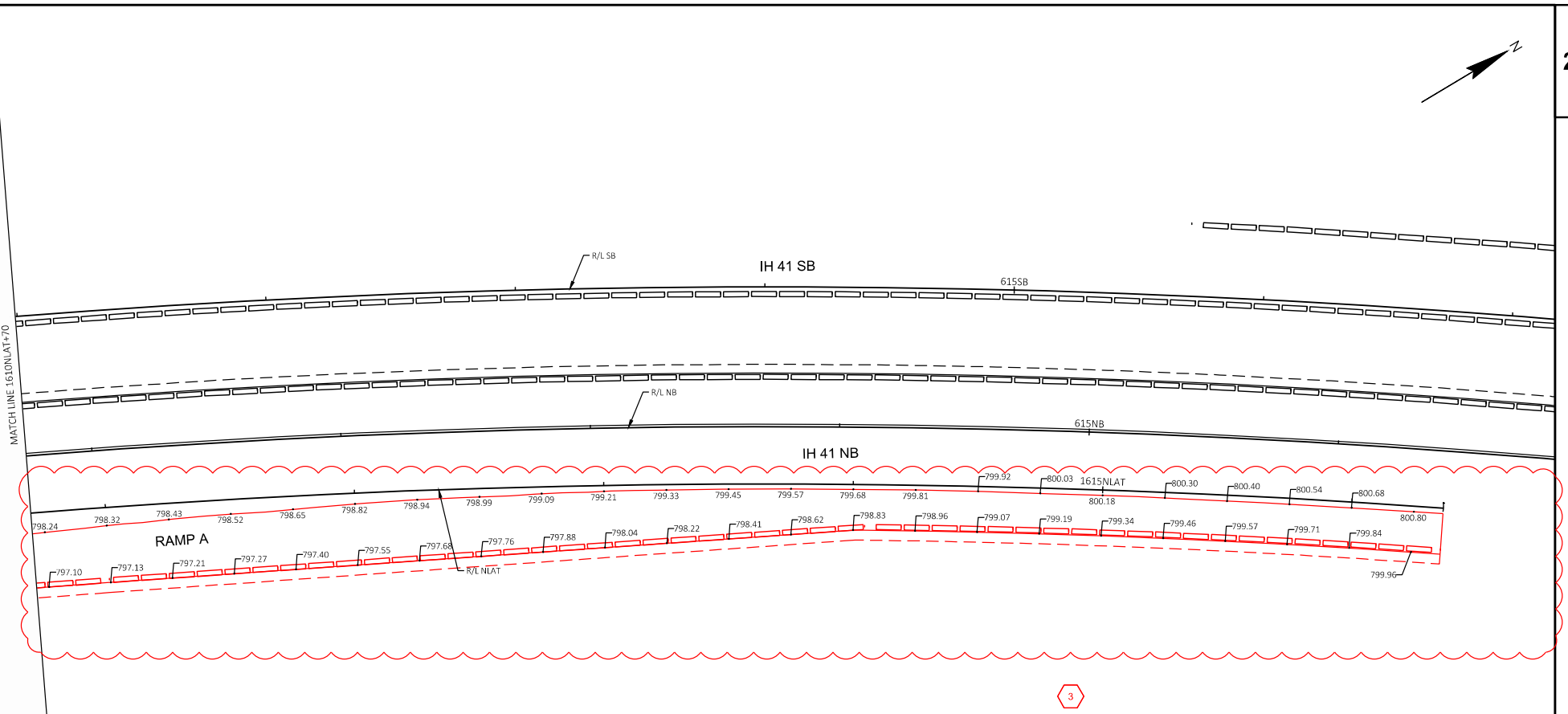
3) EXISTING ELEVATIONS SHOWN AT MATCH POINTS OR SAWCUT LINES ARE BASED ON FIELD SURVEY AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF DISCREPANCIES ARE IDENTIFIED.

Addendum No. 03
ID 1130-64-76
Revised Sheet 157
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT GRADES: W NORTHLAND AVE - RAMP A INTERIM	SHEET 157	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021405-TEMP-PG.DWG
LAYOUT NAME - 2
PLOT DATE : 2/5/2024 11:19 PM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



NOTES:

1) ELEVATIONS ADJACENT TO CONCRETE BARRIER ARE SHOWN AT THE JOINT 2-FT IN FRONT OF BARRIER FACE WHERE JOINT IS REQUIRED. IN LOCATIONS WHERE JOINT IS OMITTED, ELEVATIONS ARE SHOWN AT THE FRONT FACE OF THE SINGLE SLOPE BARRIER

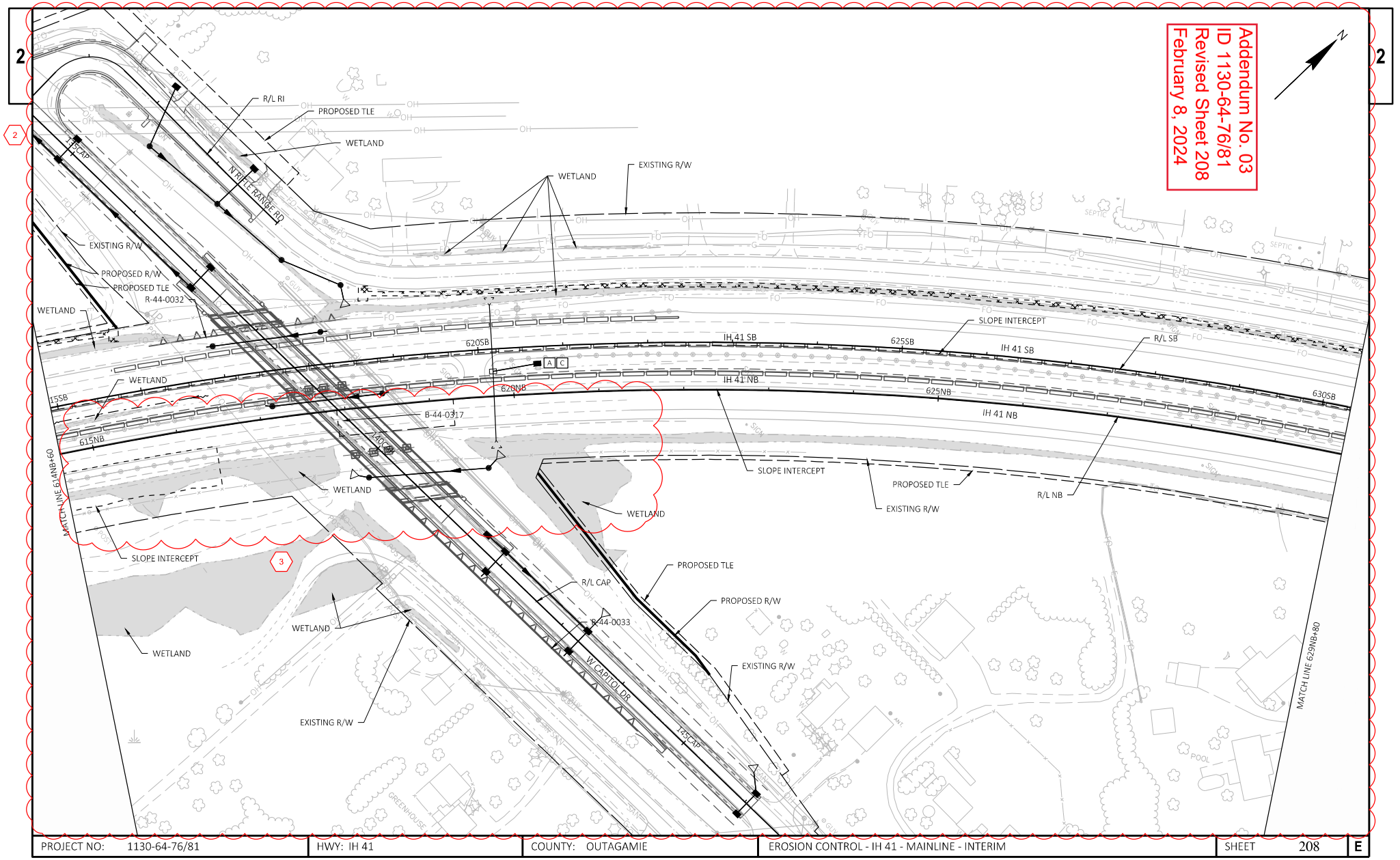
2) PAVING GRADES ARE SHOWN AT 25' INTERVALS ON CONCRETE PAVEMENT AND ASPHALT PAVEMENT UNLESS NOTED OTHERWISE.

3) EXISTING ELEVATIONS SHOWN AT MATCH POINTS OR SAWCUT LINES ARE BASED ON FIELD SURVEY AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF DISCREPANCIES ARE IDENTIFIED.

Addendum No. 03
ID 1130-64-76
Revised Sheet 158
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT GRADES: W NORTHLAND AVE - RAMP A INTERIM	SHEET 158	E

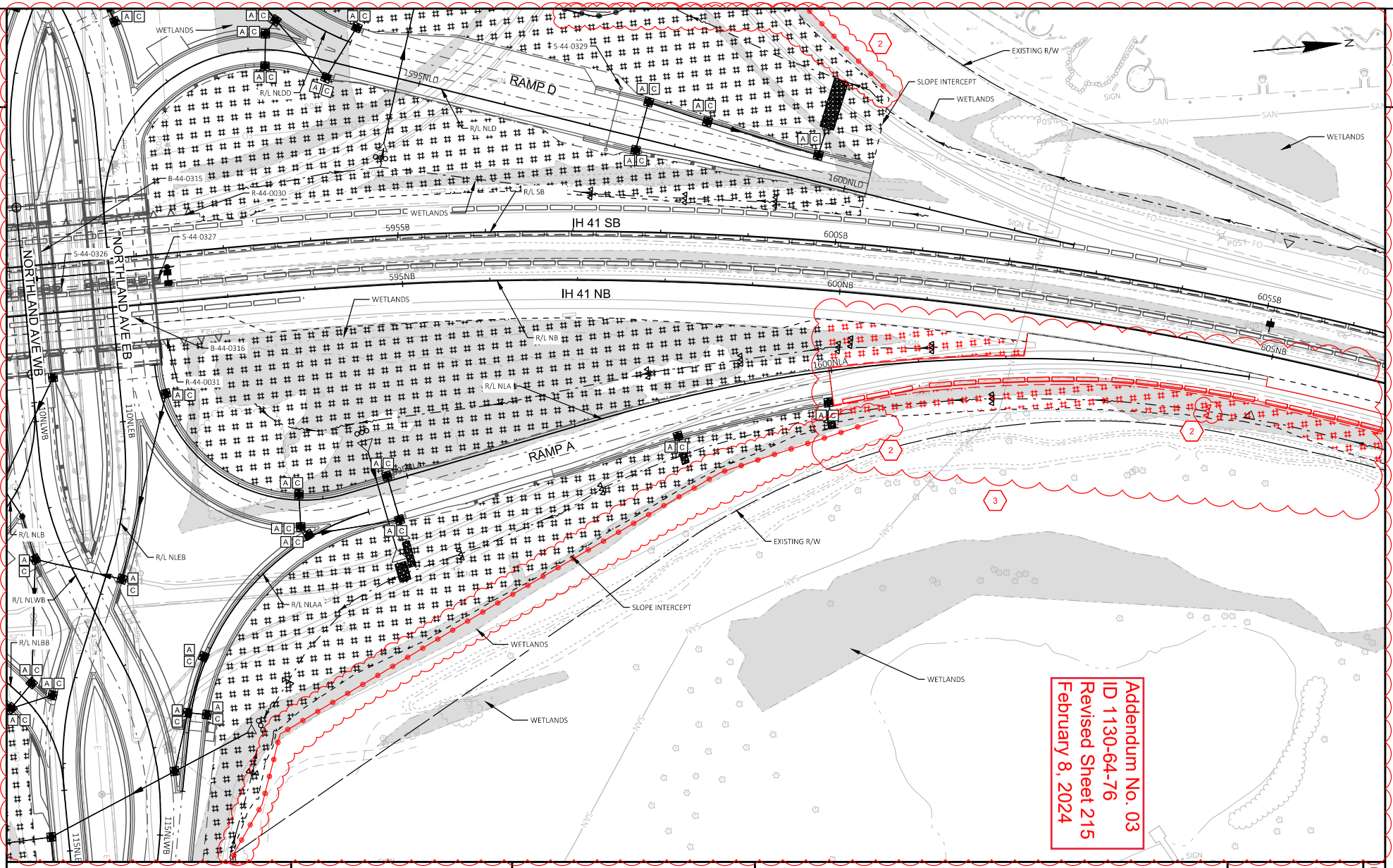
FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\021405-TEMP-PG.DWG
LAYOUT NAME - 3
PLOT DATE : 2/6/2024 4:49 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - IH 41 - MAINLINE - INTERIM	SHEET 208	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022002-TEMP-EC.DWG
LAYOUT NAME - 5
PLOT DATE : 2/6/2024 4:54 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

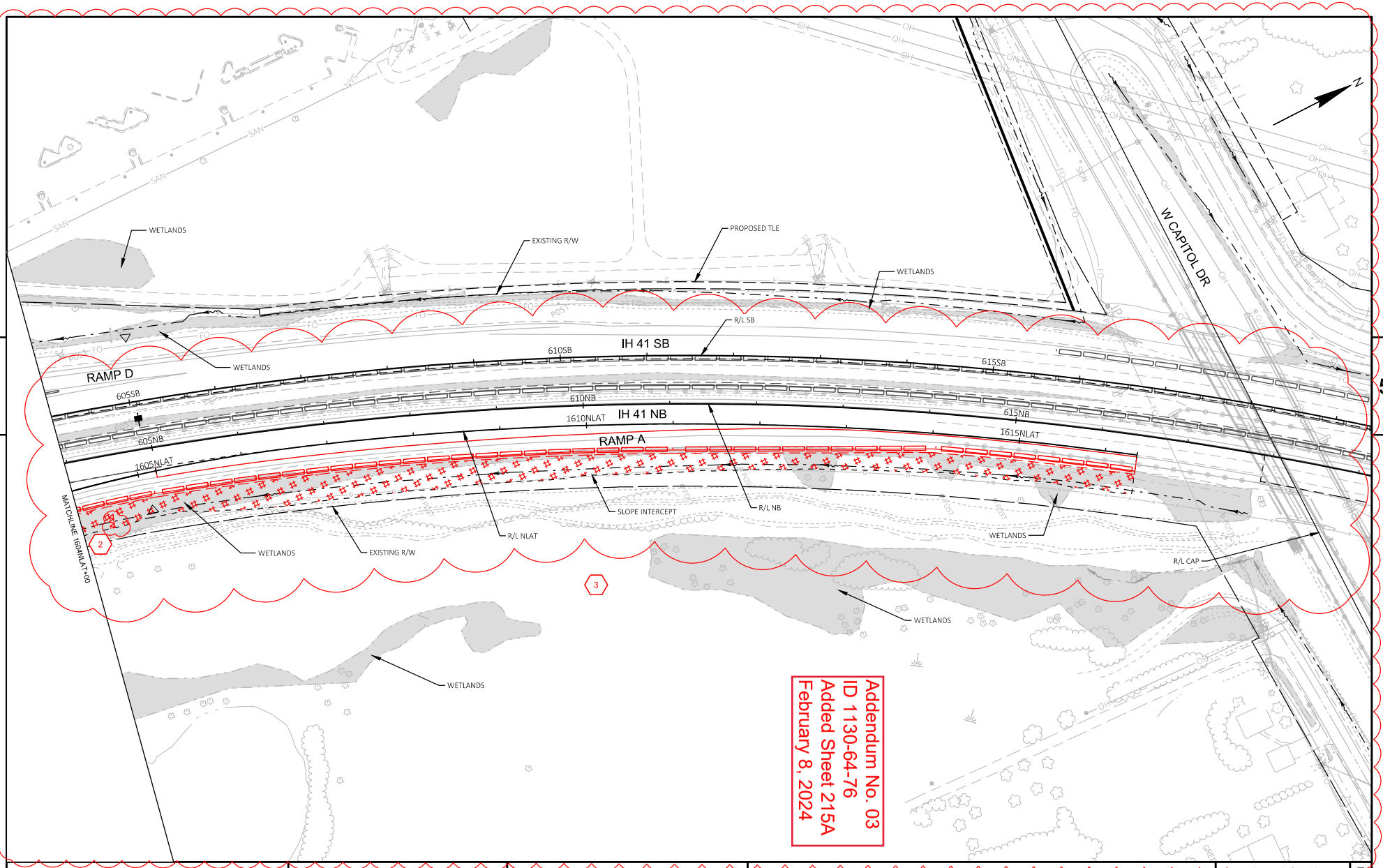
WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - W NORTHLAND AVENUE - RAMP A	SHEET 215	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022005-EC.DWG
LAYOUT NAME - 1
PLOT DATE : 2/5/2024 11:29 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

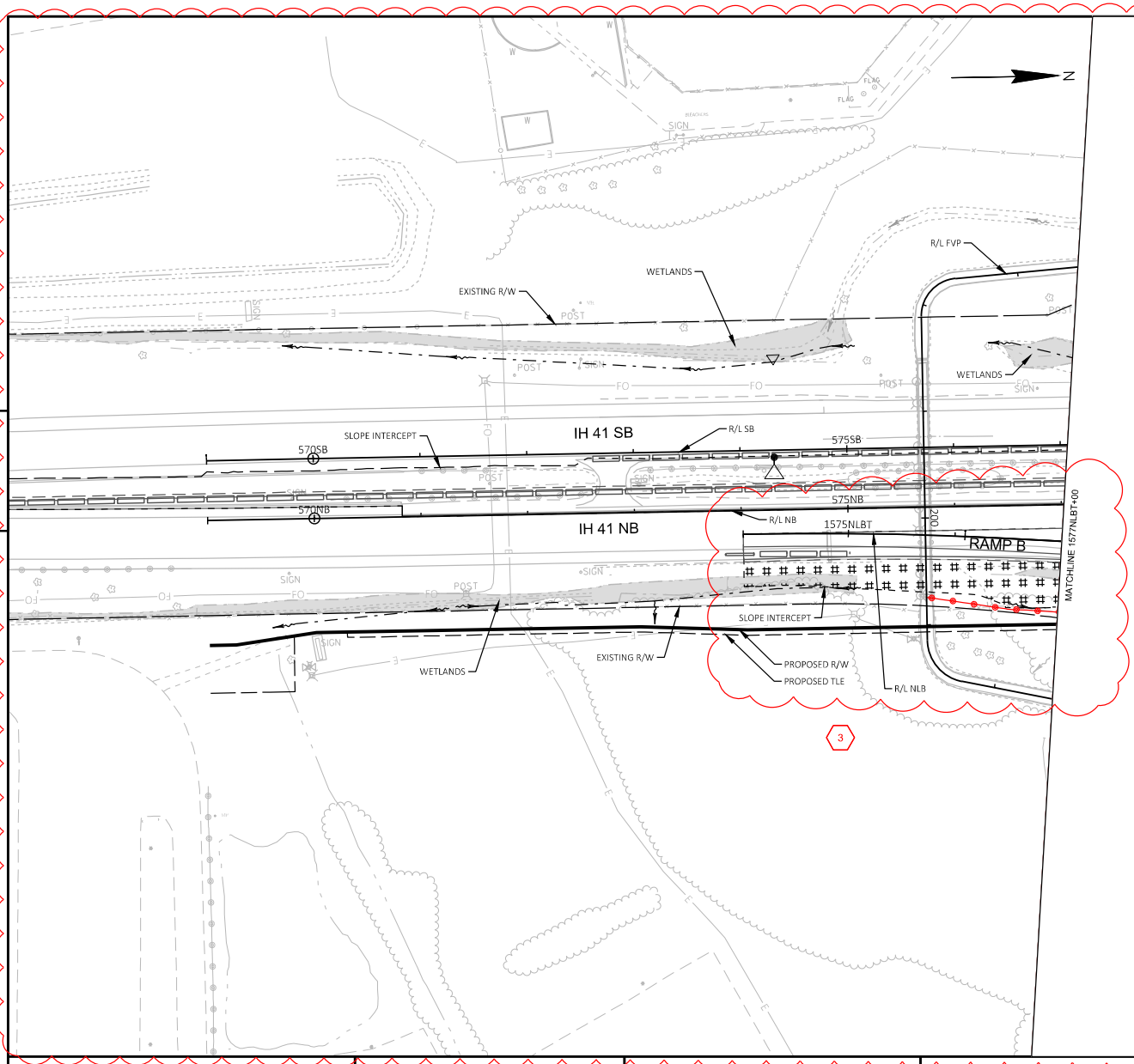


Addendum No. 03
ID 1130-64-76
Added Sheet 215A
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL - W NORTHLAND AVENUE - RAMP A INTERIM	SHEET 215A	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022005-EC.DWG
LAYOUT NAME - 1A
PLOT DATE : 2/6/2024 5:00 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

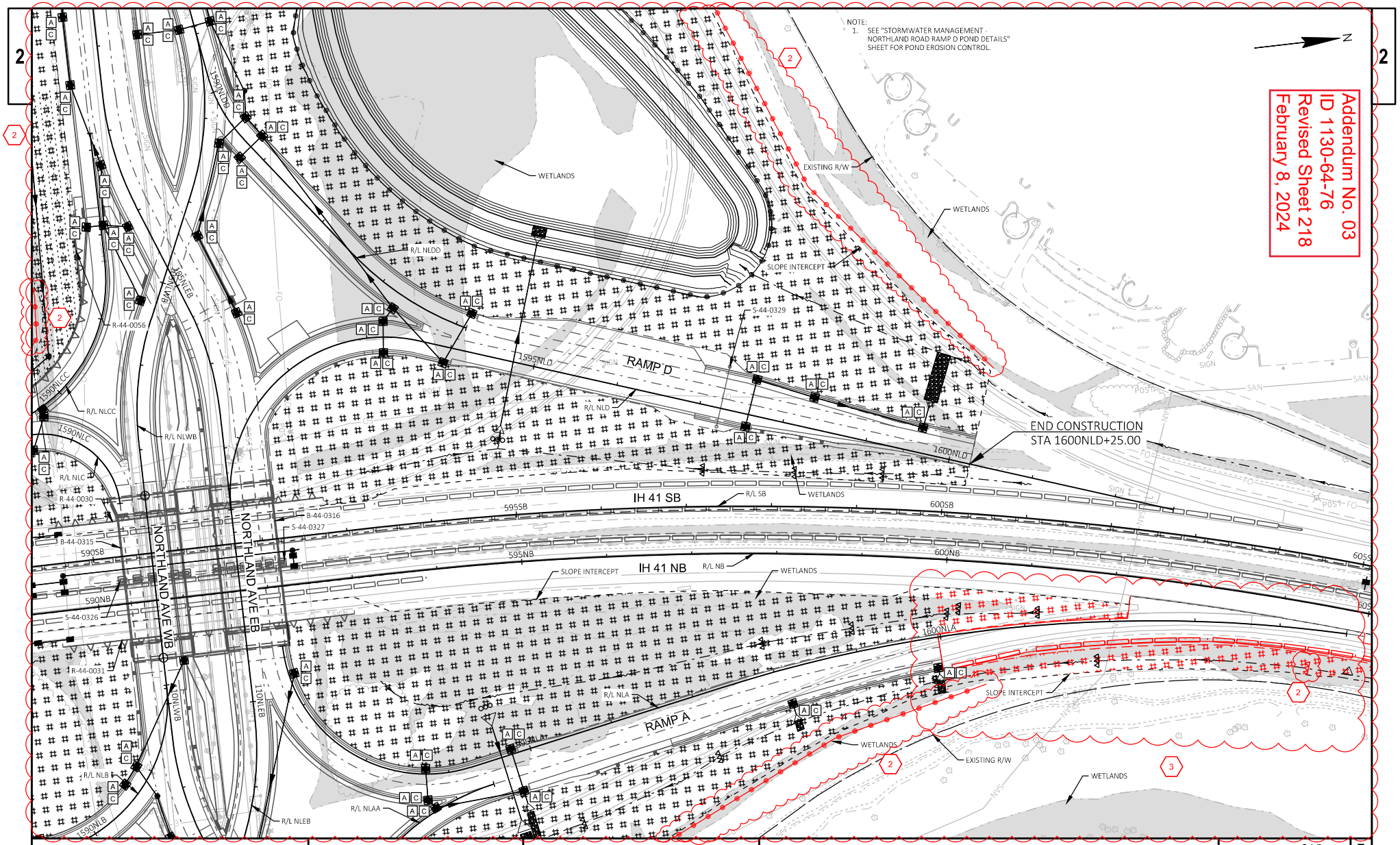
WISDOT/CADDS SHEET 44

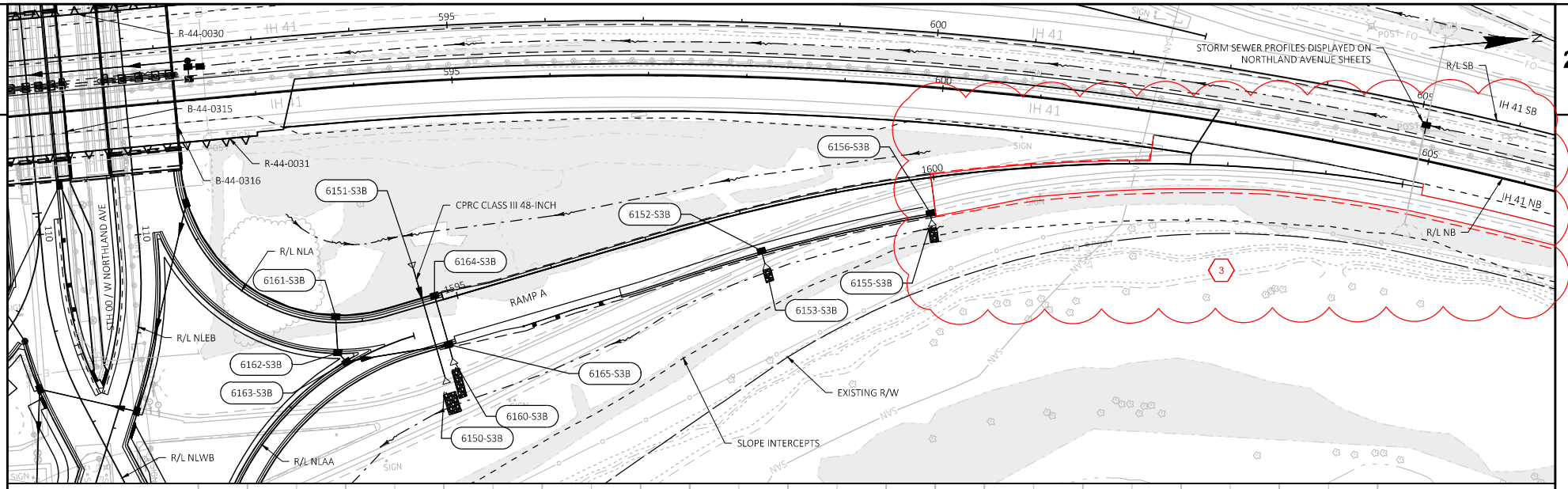


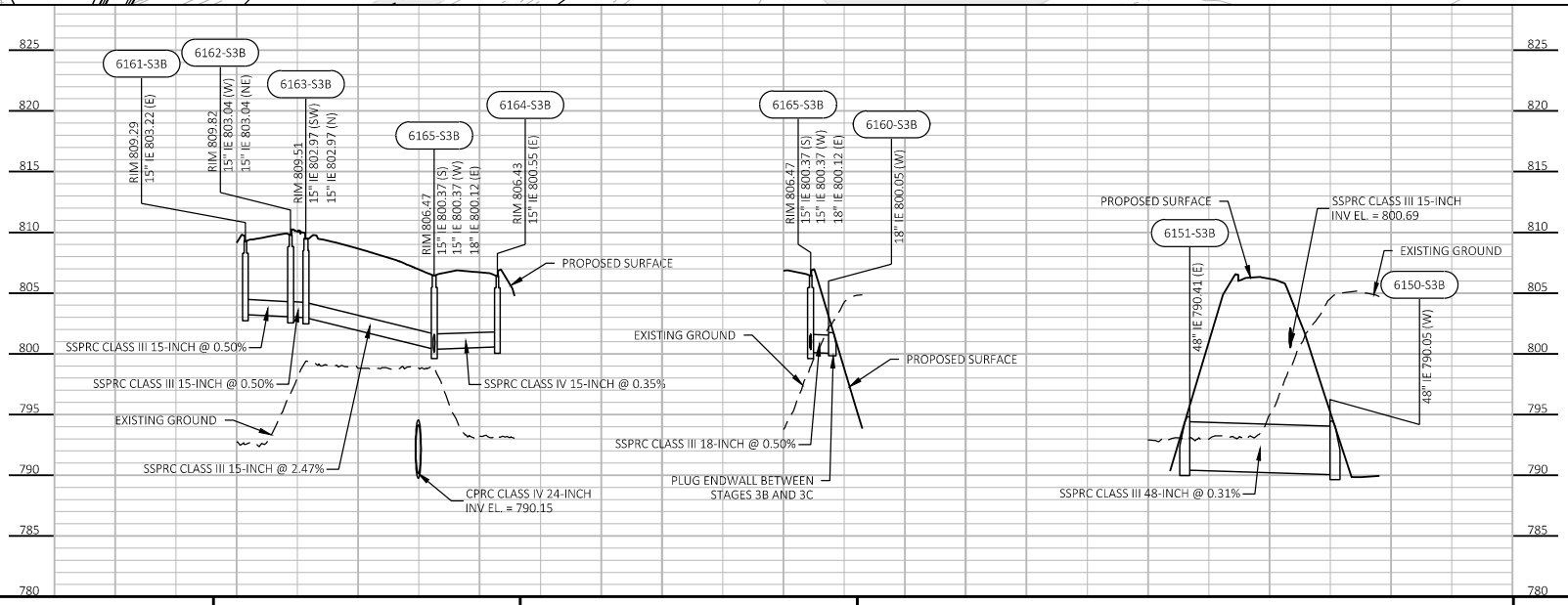
Addendum No. 03
ID 1130-64-76
Added Sheet 215B
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL: W NORTHLAND AVENUE - RAMP B INTERIM	SHEET 215B	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022005-EC.DWG
LAYOUT NAME - 1B
PLOT DATE : 2/6/2024 9:25 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT


NOTE:
1. SEE "STORMWATER MANAGEMENT - NORTHLAND ROAD RAMP D POND DETAILS" SHEET FOR POND EROSION CONTROL.
Addendum No. 03
ID 1130-64-76
Revised Sheet 218
February 8, 2024
N
WETLANDS
EXISTING R/W
SLOPE INTERCEPT
S-44-0329
R/L NLDD
1595NLD
RAMP D
R/L NLD
END CONSTRUCTION
STA 1600NLD+25.00
1600NLD
IH 41 SB
R/L SB
595SB
600SB
B-44-0316
S-44-0327
B-44-0315
590SB
595NB
600NB
IH 41 NB
R/L NB
590NB
S-44-0326
R-44-0031
1600NLA
R/L NLA
RAMP A
R/L NLB
R/L NLAA
R/L NLEB
R-44-0056
1590NLCC
R/L NLCC
1590NLC
R/L NLWB
R-44-0030
NORTHLAND AVE WB
NORTHLAND AVE EB
1590NLWB
1590NLEB
1590NLDB
1610NLEB
1610NLWB
PROJECT NO: 1130-64-76
HWY: IH 41
COUNTY: OUTAGAMIE
EROSION CONTROL - W NORTHLAND AVENUE - RAMP D
SHEET 218 E
FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022005-EC.DWG
LAYOUT NAME - 4
PLOT DATE : 2/5/2024 11:32 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



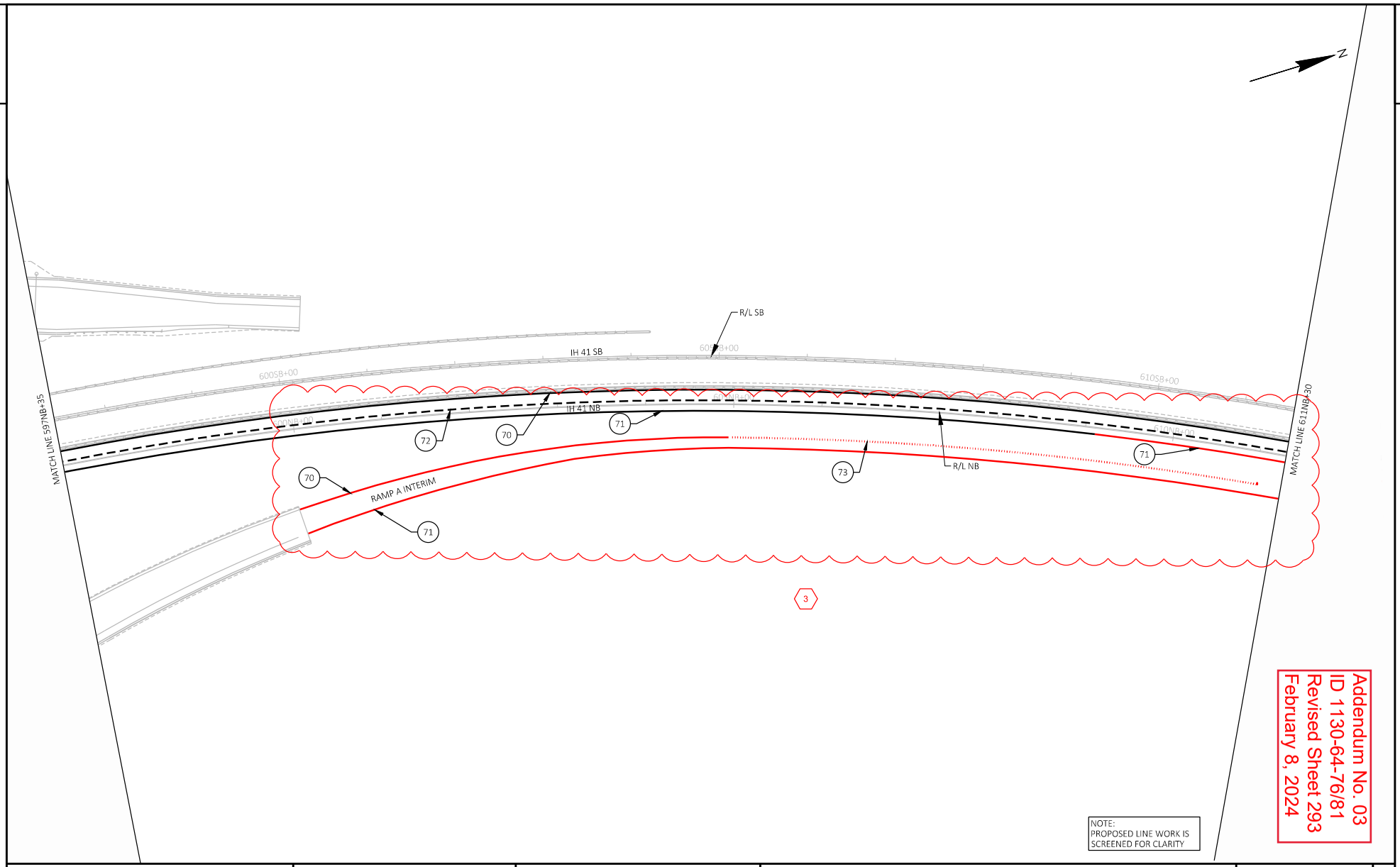


Addendum No. 03
ID 1130-64-76
Revised Sheet 223
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH-41	COUNTY: OUTAGAMIE	STORM SEWER PLAN AND PROFILE W NORTHLAND AVE - RAMP A	SHEET 223	E

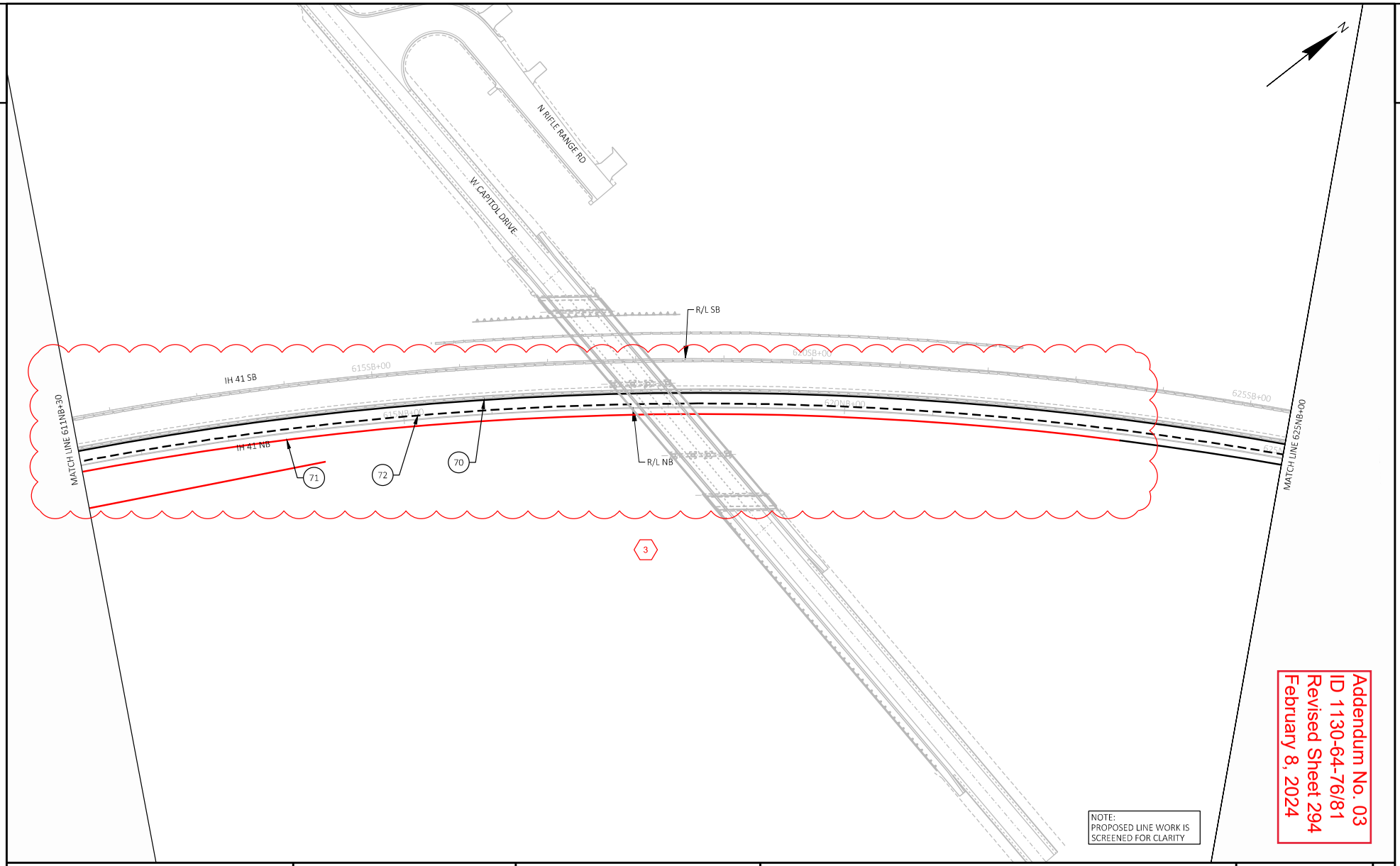
FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\022505_SS.DWG
LAYOUT NAME - 001
PLOT DATE : 2/5/2024 11:40 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 41



PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT MARKING PLAN - IH 41 MAINLINE - INTERIM	SHEET 293	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\024502-TEMP-PM.DWG
LAYOUT NAME - 4
PLOT DATE : 2/5/2024 11:43 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

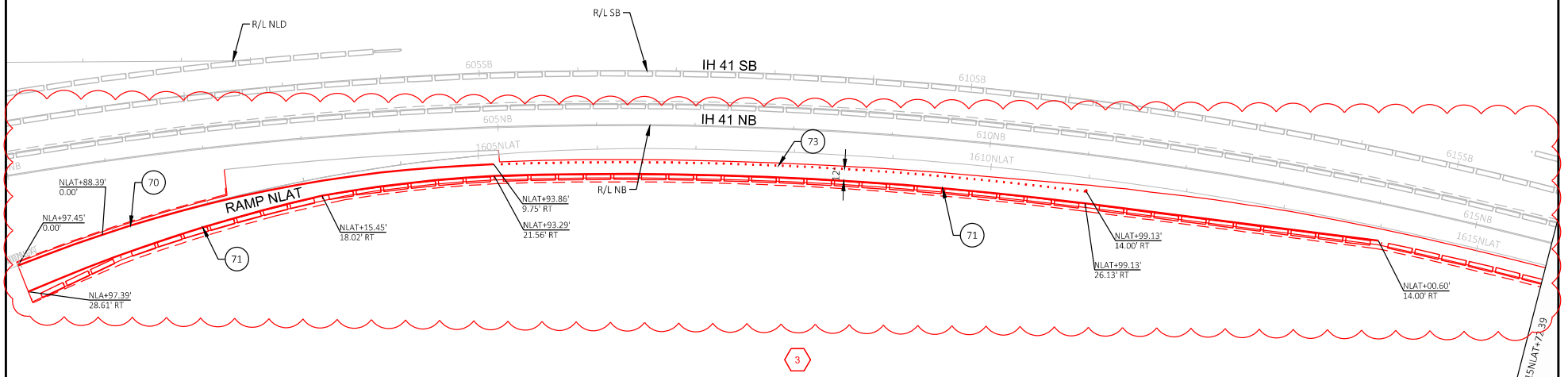


Addendum No. 03
ID 1130-64-76/81
Revised Sheet 294
February 8, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT MARKING PLAN - IH 41 MAINLINE - INTERIM	SHEET 294	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\024502-TEMP-PM.DWG
LAYOUT NAME - 5
PLOT DATE : 2/6/2024 5:03 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



NOTE:
PROPOSED LINE WORK IS SCREENED FOR CLARITY

Addendum No. 03
ID 1130-64-76
Revised Sheet 303
February 8, 2024

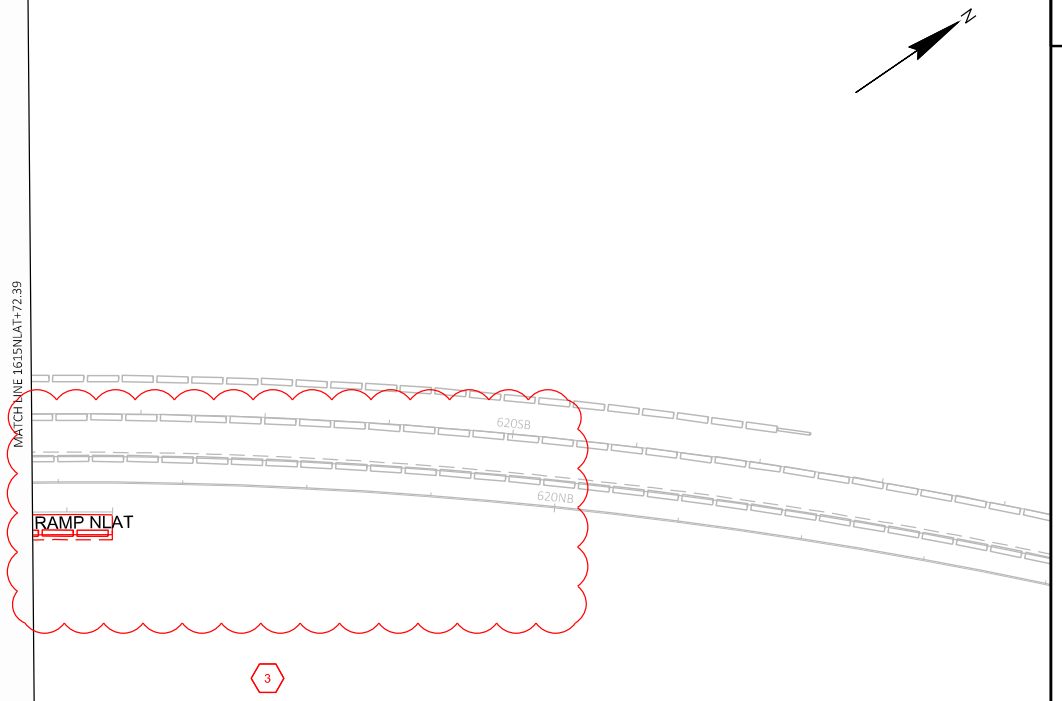
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT MARKING PLAN - RAMP NLA - INTERIM	SHEET 303	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\024505-TEMP-PM.DWG
LAYOUT NAME - 1
PLOT DATE : 2/5/2024 11:46 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2



Addendum No. 03
ID 1130-64-76
Revised Sheet 304
February 8, 2024

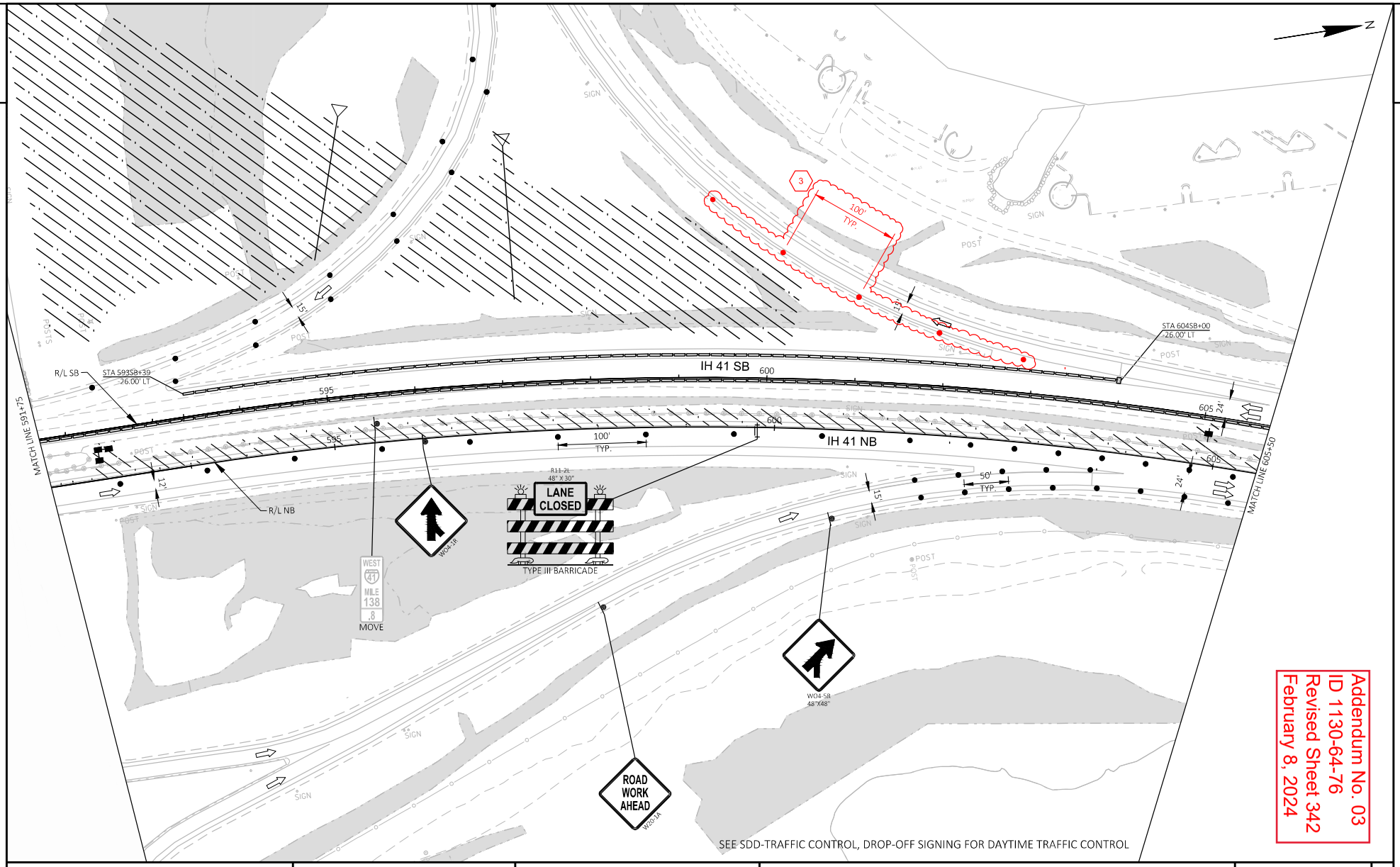
NOTE:
PROPOSED LINE WORK IS SCREENED FOR CLARITY

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT MARKING PLAN - RAMP NLA - INTERIM	SHEET 304	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\024505-TEMP-PM.DWG
LAYOUT NAME - 2

PLOT DATE : 2/6/2024 5:06 PM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



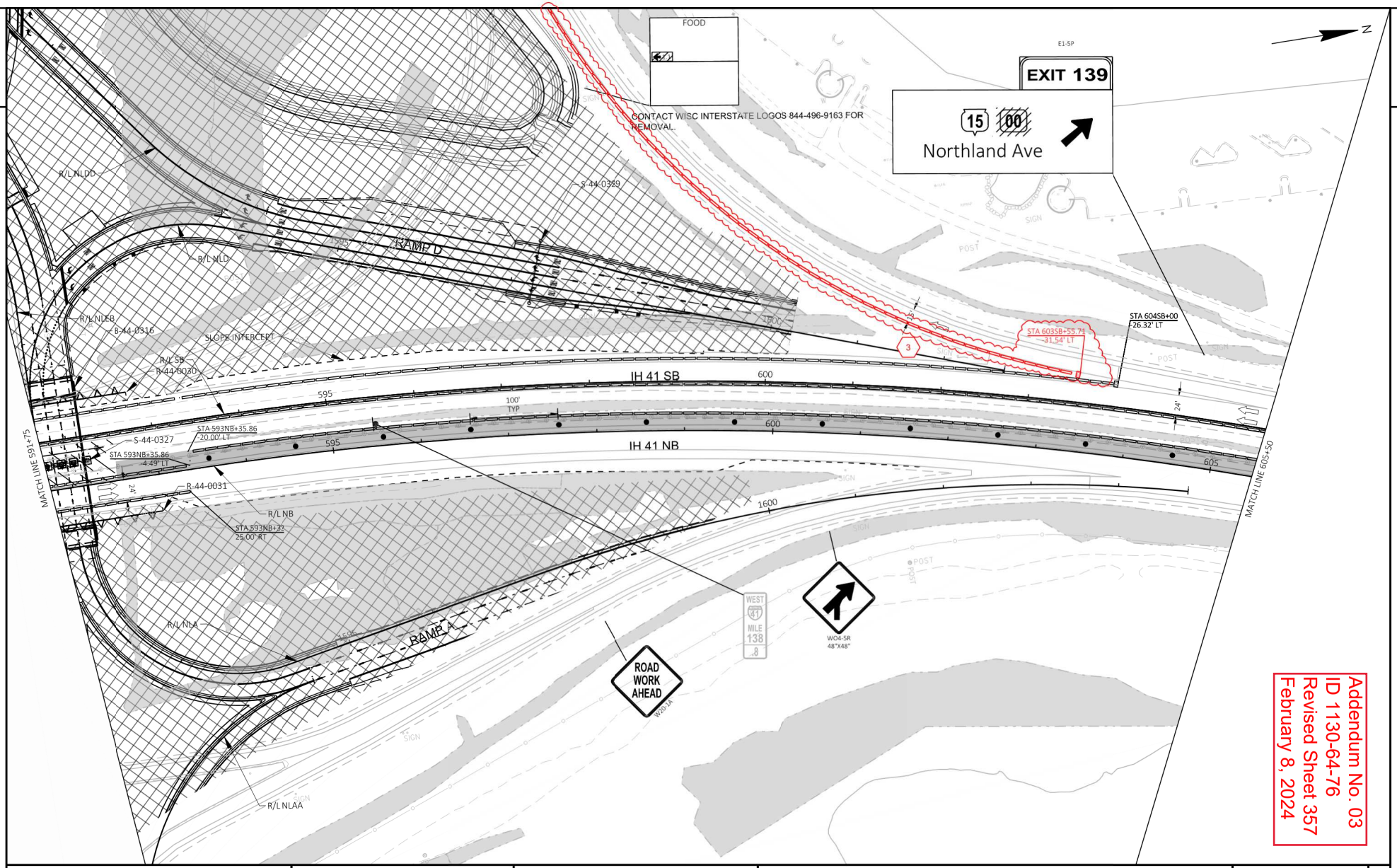
SEE SDD-TRAFFIC CONTROL, DROP-OFF SIGNING FOR DAYTIME TRAFFIC CONTROL

Addendum No. 03
ID 1130-64-76
Revised Sheet 342
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - IH 41 - STAGE 2	SHEET 342	E

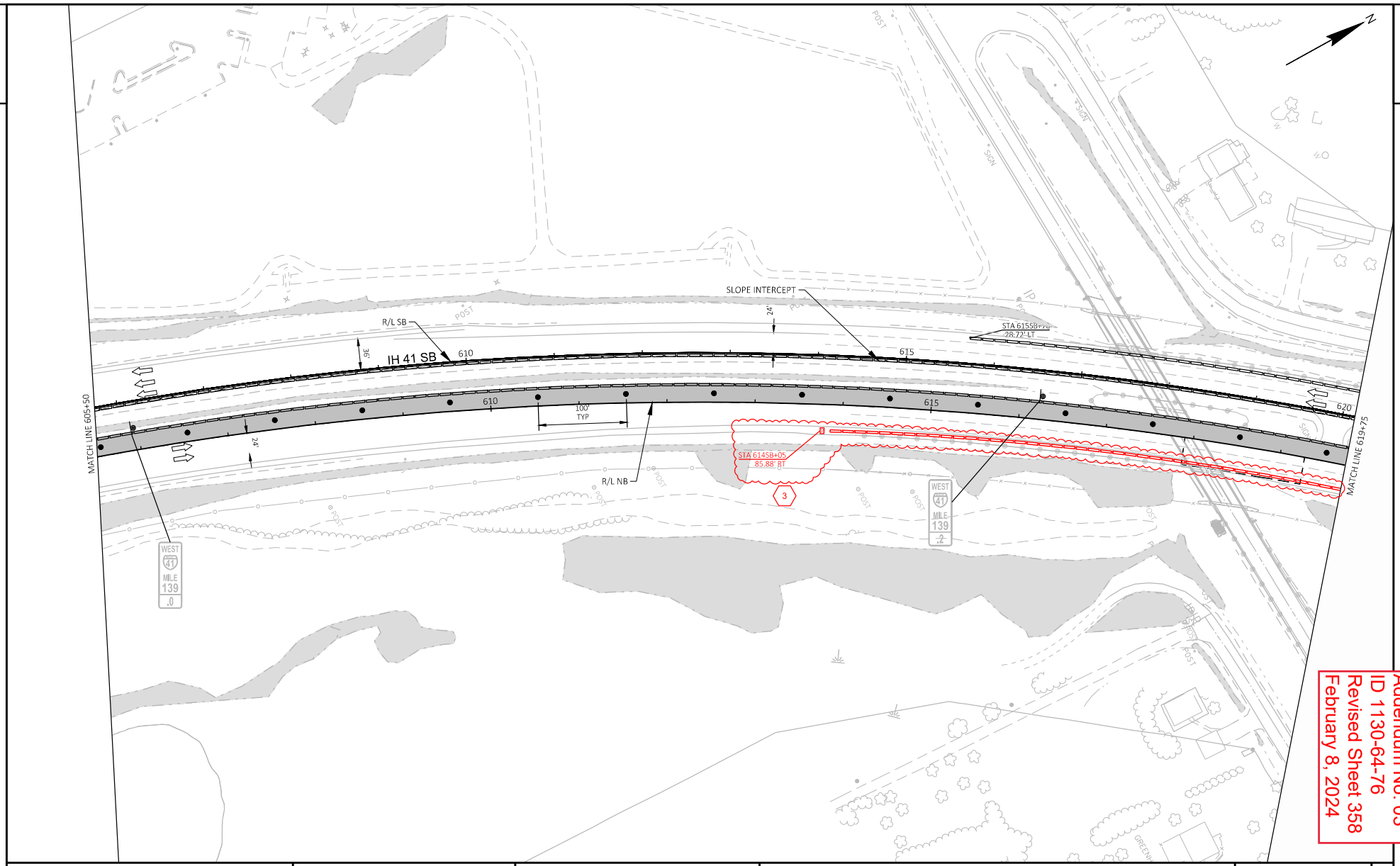
FILE NAME : C:\USERS\NSTUTTS\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025105-TC(STAGE2).DWG
LAYOUT NAME - 4
PLOT DATE : 2/5/2024 7:08 PM
PLOT BY : NATHAN STUTTS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - IH 41 - STAGE 3A	SHEET 357	E

FILE NAME : C:\USERS\NSTUTTS\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025105-TC(STAGE3A).DWG
LAYOUT NAME - 4 (A)
PLOT DATE : 2/5/2024 7:10 PM
PLOT BY : NATHAN STUTTS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

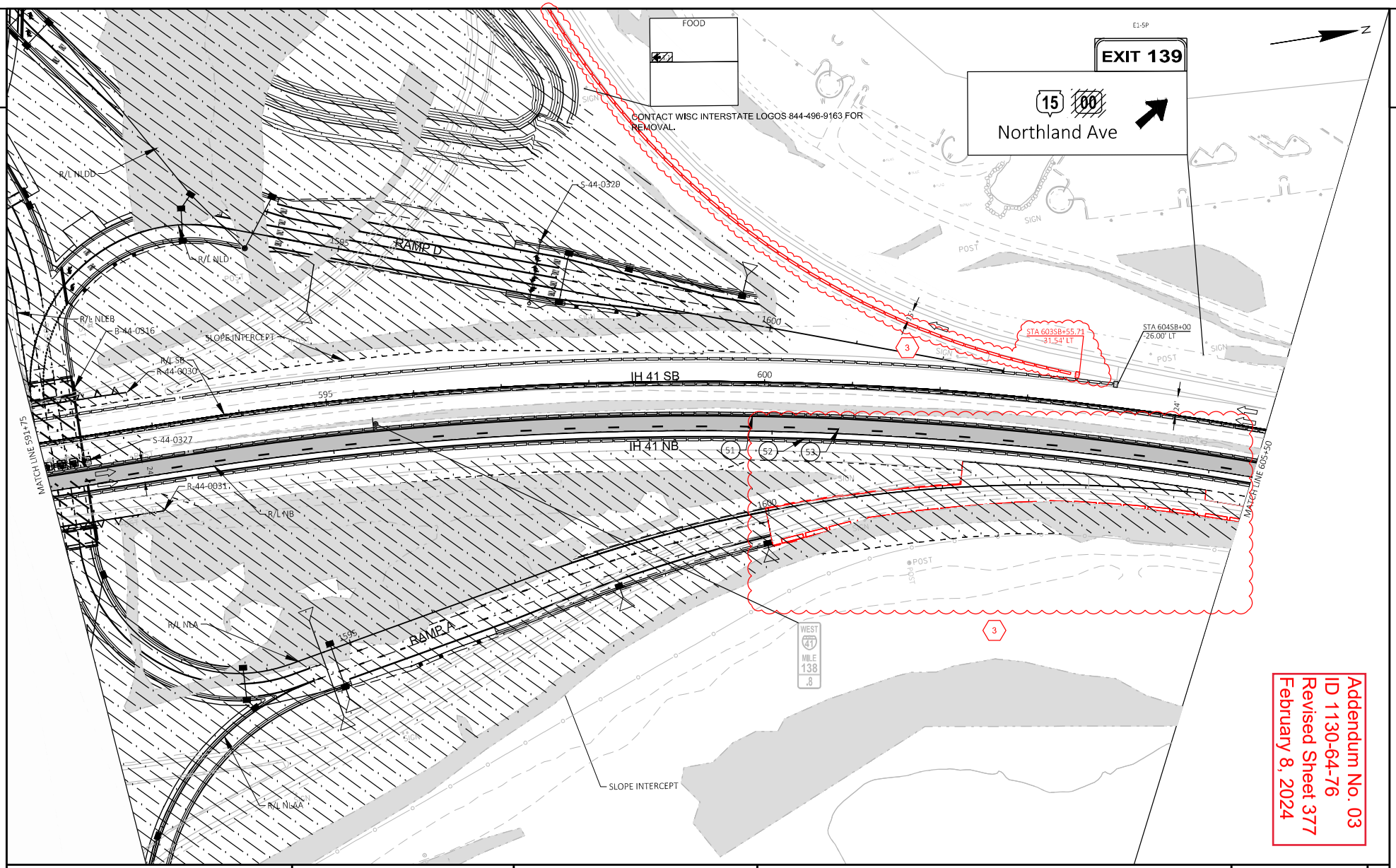


Addendum No. 03
ID 1130-64-76
Revised Sheet 358
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - IH 41 - STAGE 3A	SHEET 358	E

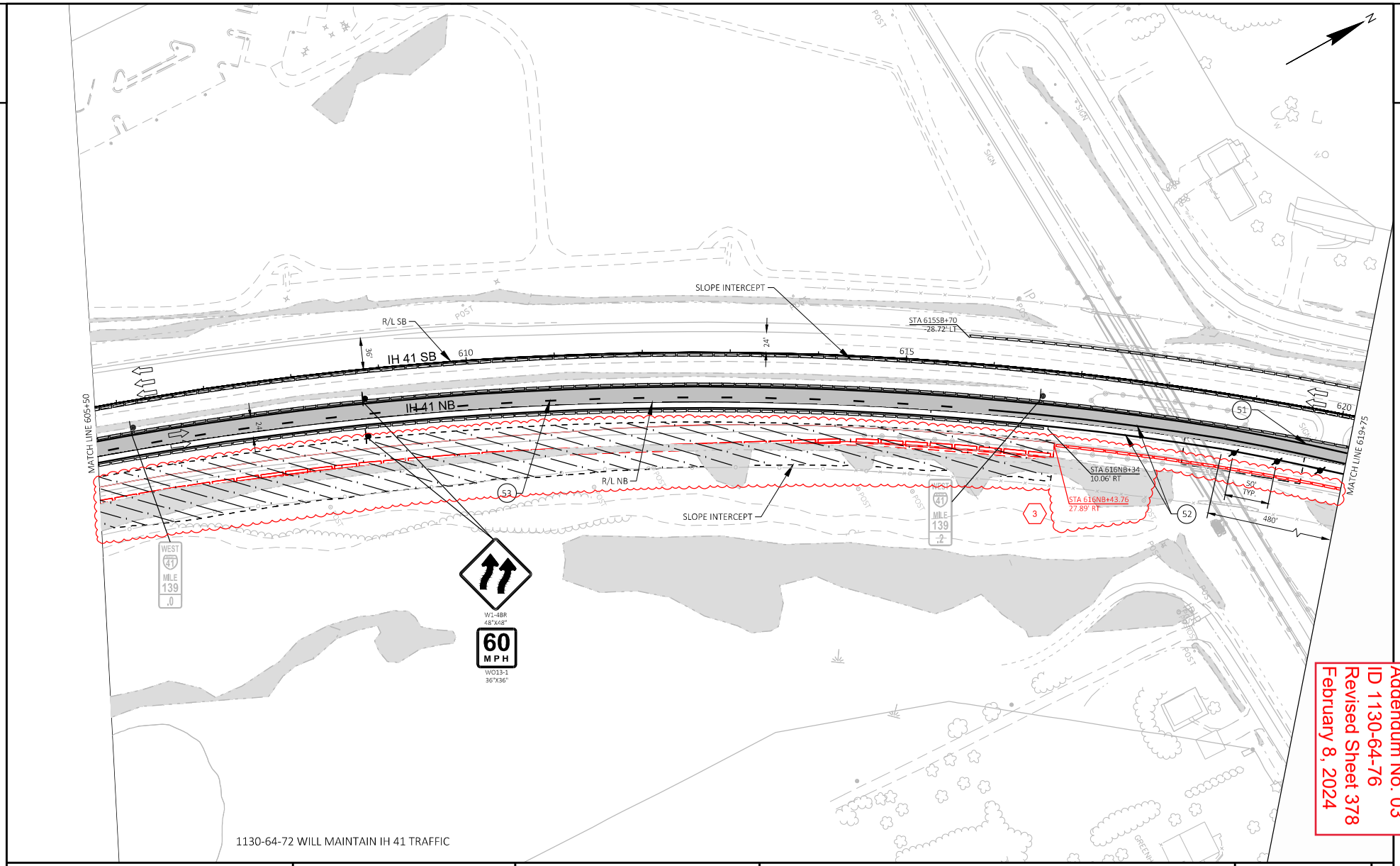
FILE NAME : C:\USERS\NSTUTTS\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025105-TC(STAGE3A).DWG
LAYOUT NAME - 5 (A)
PLOT DATE : 2/5/2024 7:10 PM
PLOT BY : NATHAN STUTTS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - IH 41 - STAGE 3B	SHEET 377	E

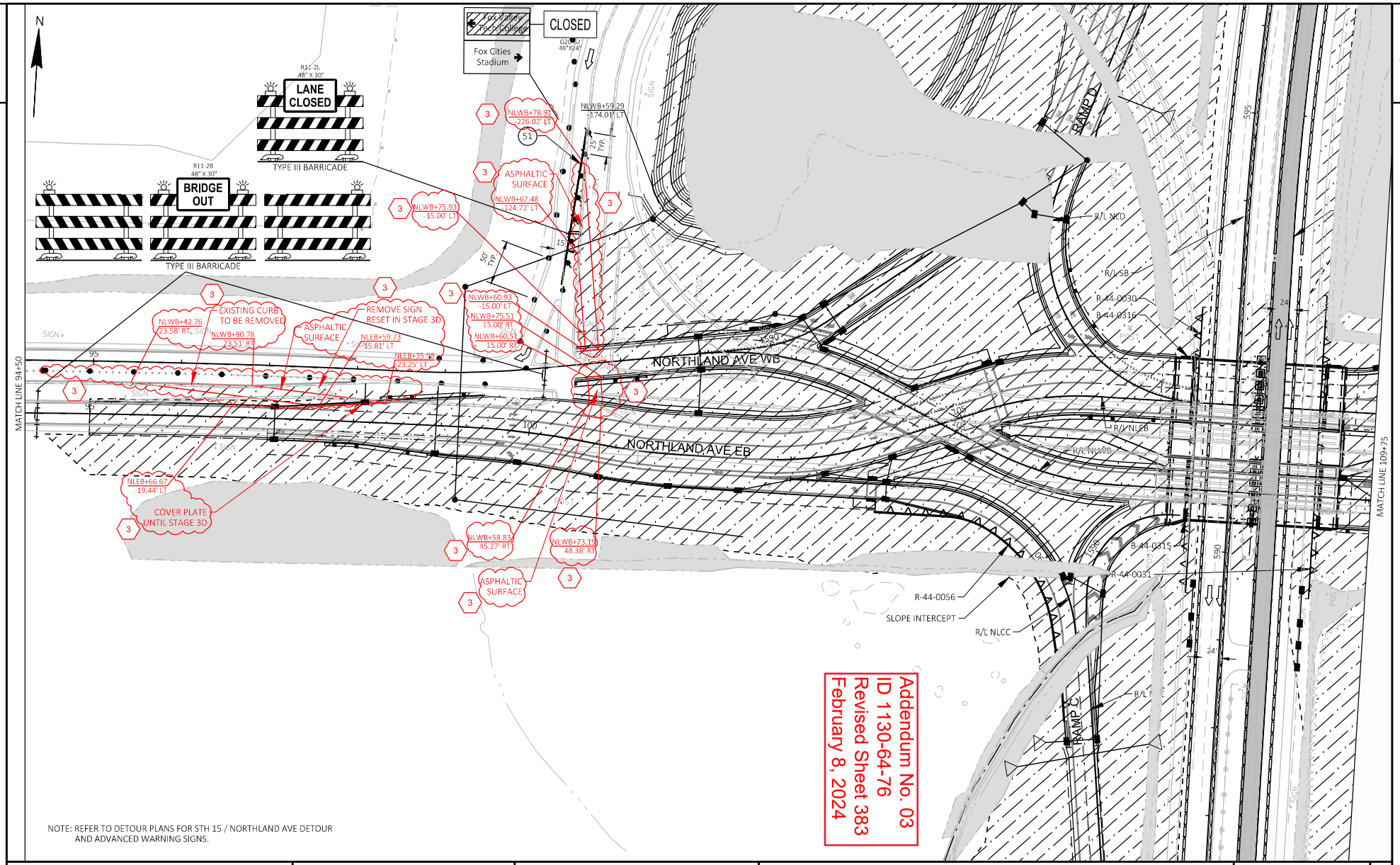
FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025105-TC(STAGE3B).DWG
LAYOUT NAME - 4
PLOT DATE : 2/5/2024 11:54 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



Addendum No. 03
ID 1130-64-76
Revised Sheet 378
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - IH 41 - STAGE 3B	SHEET 378	E

FILE NAME : C:\USERS\NSTUTTS\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025105-TC(STAGE3B).DWG
LAYOUT NAME - 5
PLOT DATE : 2/6/2024 12:16 PM
PLOT BY : NATHAN STUTTS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

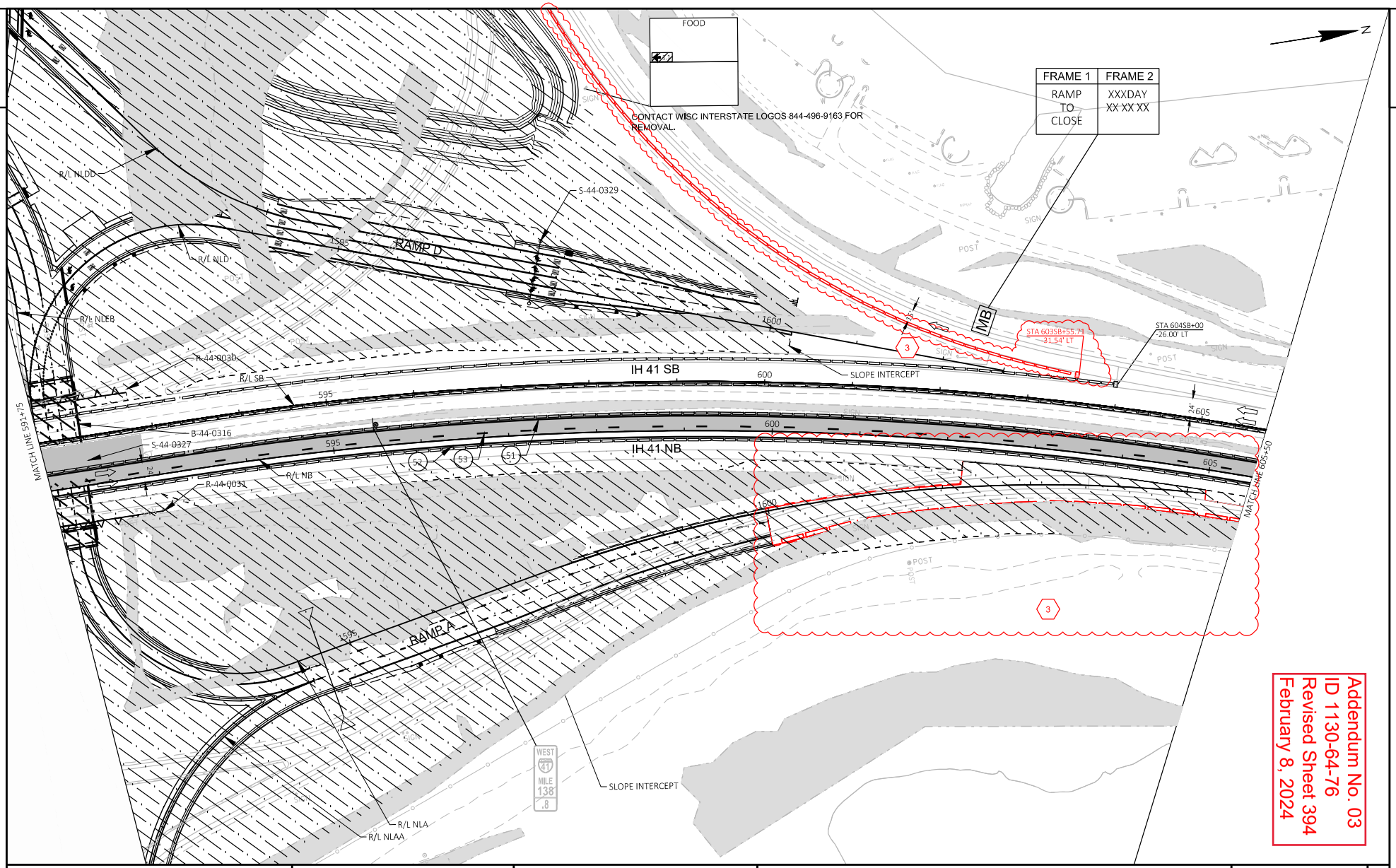


NOTE: REFER TO DETOUR PLANS FOR STH 15 / NORTHLAND AVE DETOUR AND ADVANCED WARNING SIGNS.

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - W NORTHLAND AVE - STAGE 3B	SHEET 383	E

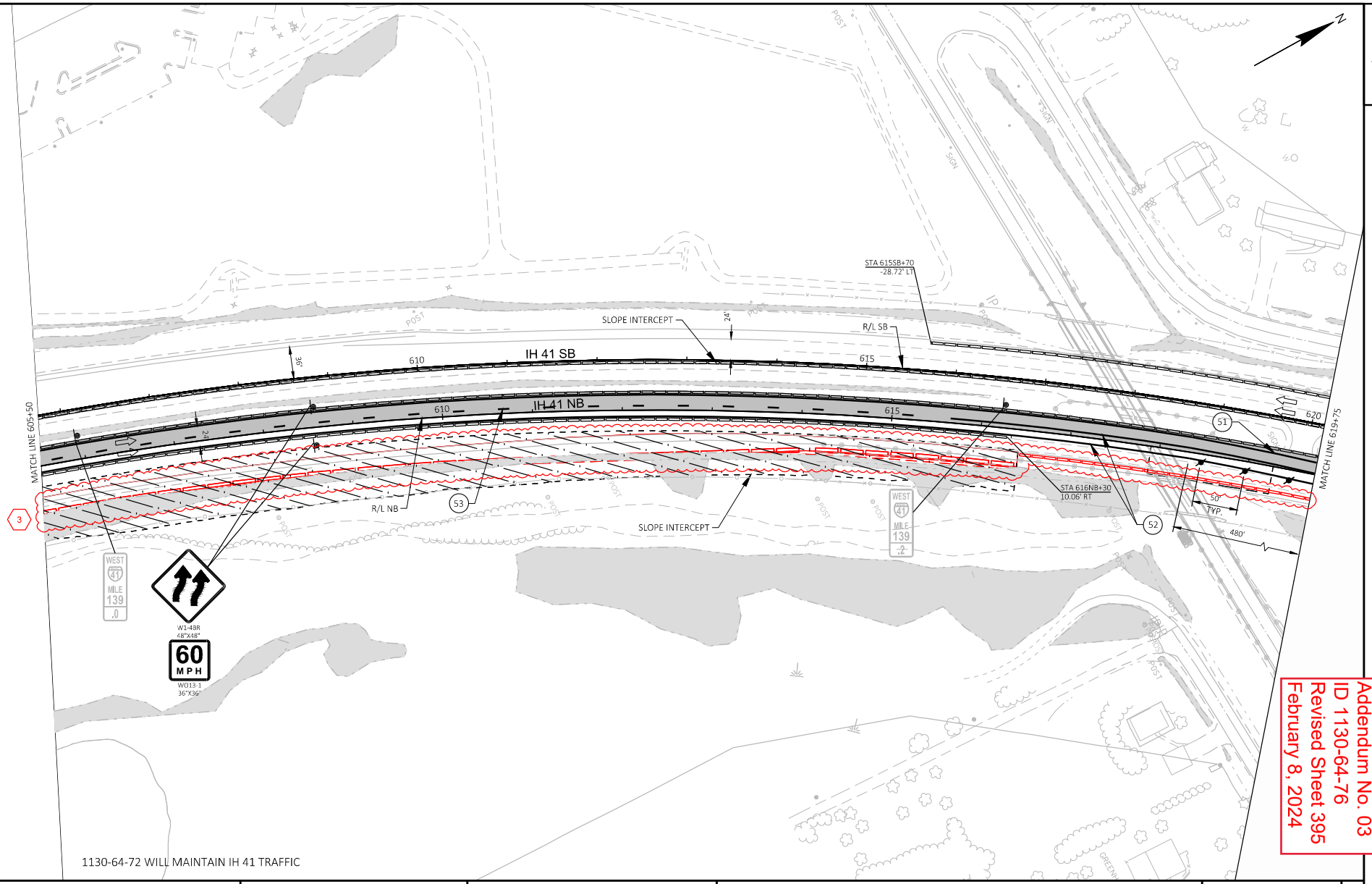
FILE NAME : C:\USERS\NSTUTTS\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025108-TC(STAGE3B).DWG
LAYOUT NAME - (2)
PLOT DATE : 2/5/2024 7:14 PM
PLOT BY : NATHAN STUTTS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - IH 41 - STAGE 3C	SHEET 394	E

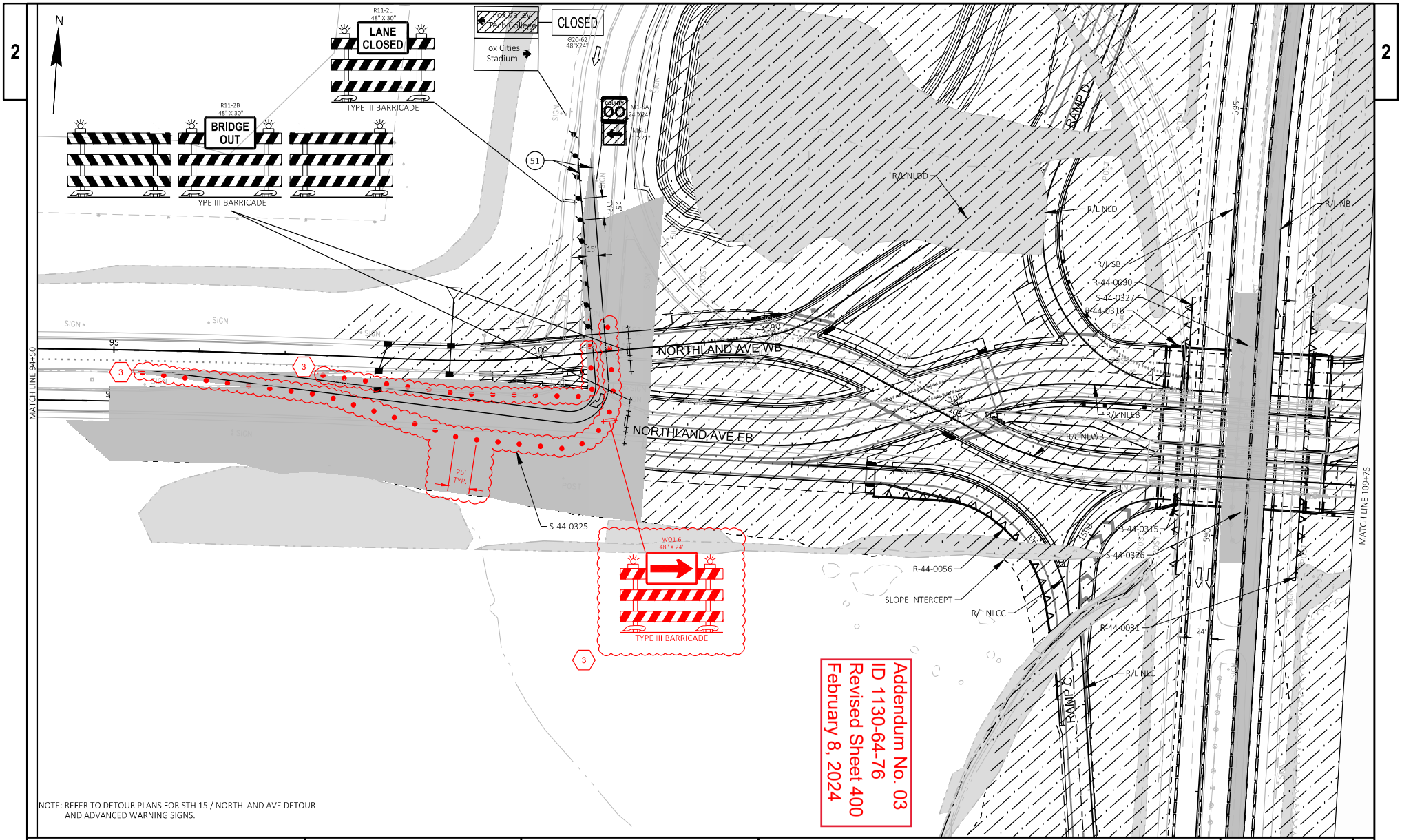
FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025105-TC(STAGE3C).DWG
LAYOUT NAME - 4
PLOT DATE : 2/6/2024 12:02 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



Addendum No. 03
ID 1130-64-76
Revised Sheet 395
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - IH 41 - STAGE 3C	SHEET 395	E

FILE NAME : C:\USERS\NSTUTTS\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025105-TC(STAGE3C).DWG
LAYOUT NAME - 5
PLOT DATE : 2/6/2024 12:18 PM
PLOT BY : NATHAN STUTTS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

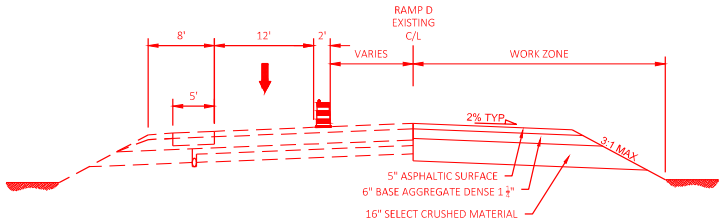


NOTE: REFER TO DETOUR PLANS FOR STH 15 / NORTHLAND AVE DETOUR AND ADVANCED WARNING SIGNS.

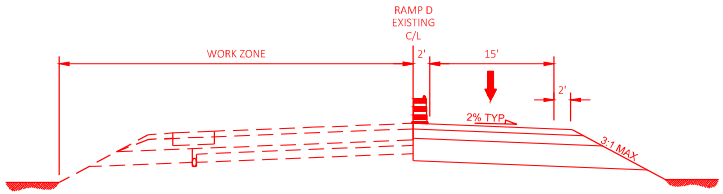
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - W NORTHLAND AVE - STAGE 3C	SHEET 400	E

FILE NAME : C:\USERS\NSTUTTS\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025108-TC(STAGE3C).DWG
LAYOUT NAME - (2)
PLOT DATE : 2/5/2024 7:18 PM
PLOT BY : NATHAN STUTTS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION
W NORTHLAND AVE RAMP D
STAGE 3A/3B



TYPICAL FINISHED SECTION
W NORTHLAND AVE RAMP D
STAGE 3C

Addendum No. 03
ID 1130-64-76
Added Sheet 410A
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - RAMP D TYPICAL SECTIONS	SHEET 401A	E

STAGE 3D

CONSTRUCTION:

REMOVE EXISTING PAVEMENT ON SB EXIT TO STH 15 AND COMPLETE CONSTRUCTION OF RAMP D

TRAFFIC:

COORDINATE WITH 1130-64-72 THE OPENING OF STH 15/NORTHLAND AVE AND IH-41 NB RAMPS

UTILIZE OFF-PEAK CLOSURES OF NORTHLAND AVE TO COMPLETE CONSTRUCTION

CLOSE EXISTING SB EXIT RAMP TO STH 15 AND DETOUR TRAFFIC TO STH 96 SB EXIT

IH 41 SB ENTRANCE RAMP FROM STH 15 WILL REMAIN CLOSED

COORDINATE WITH 1130-64-72 FOR IH 41 TRAFFIC CONFIGURATION AND SB EXIT RAMP CONSTRUCTION SEQUENCING

3

Addendum No. 03
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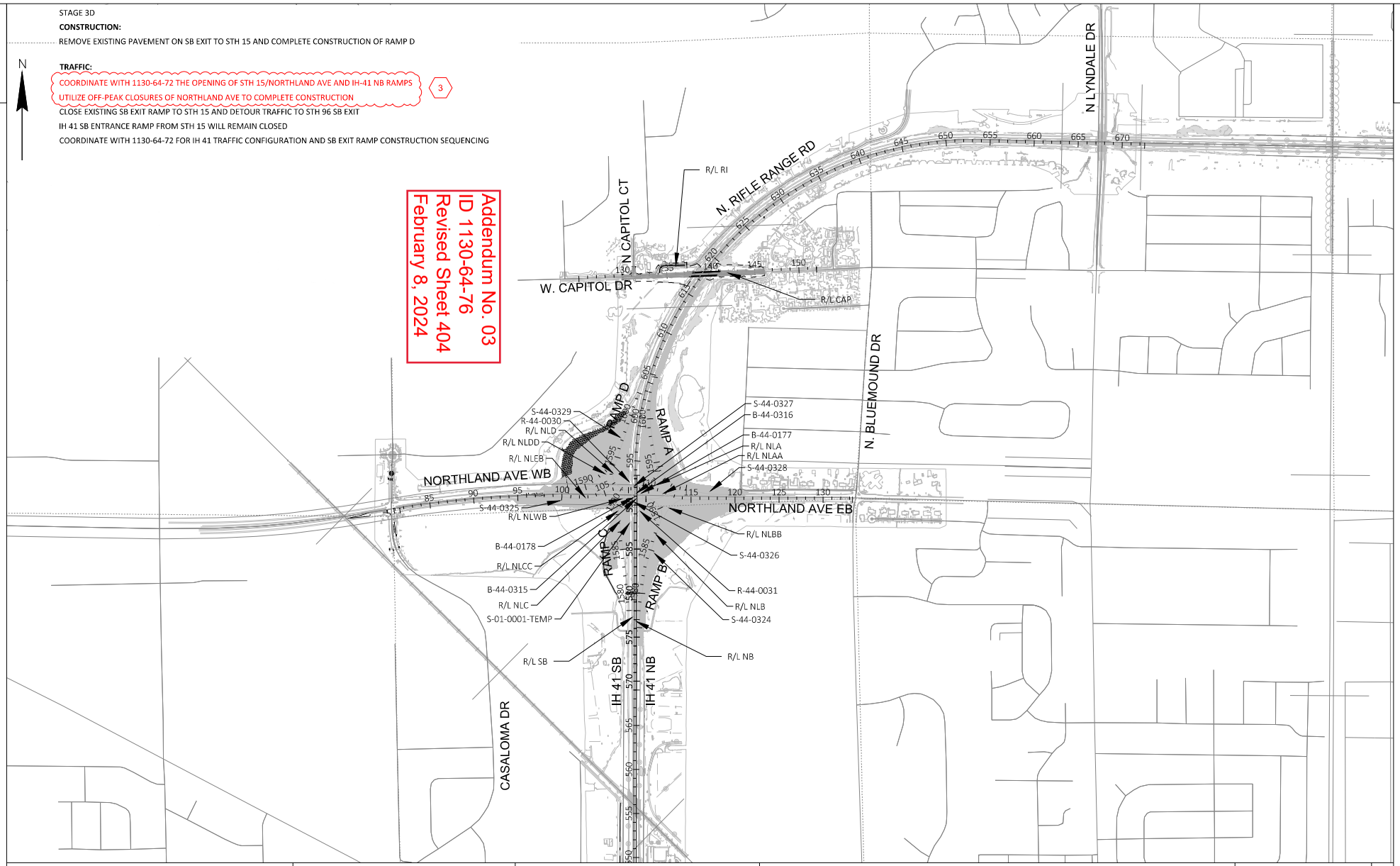
Revised Sheet 404
February 8, 2024



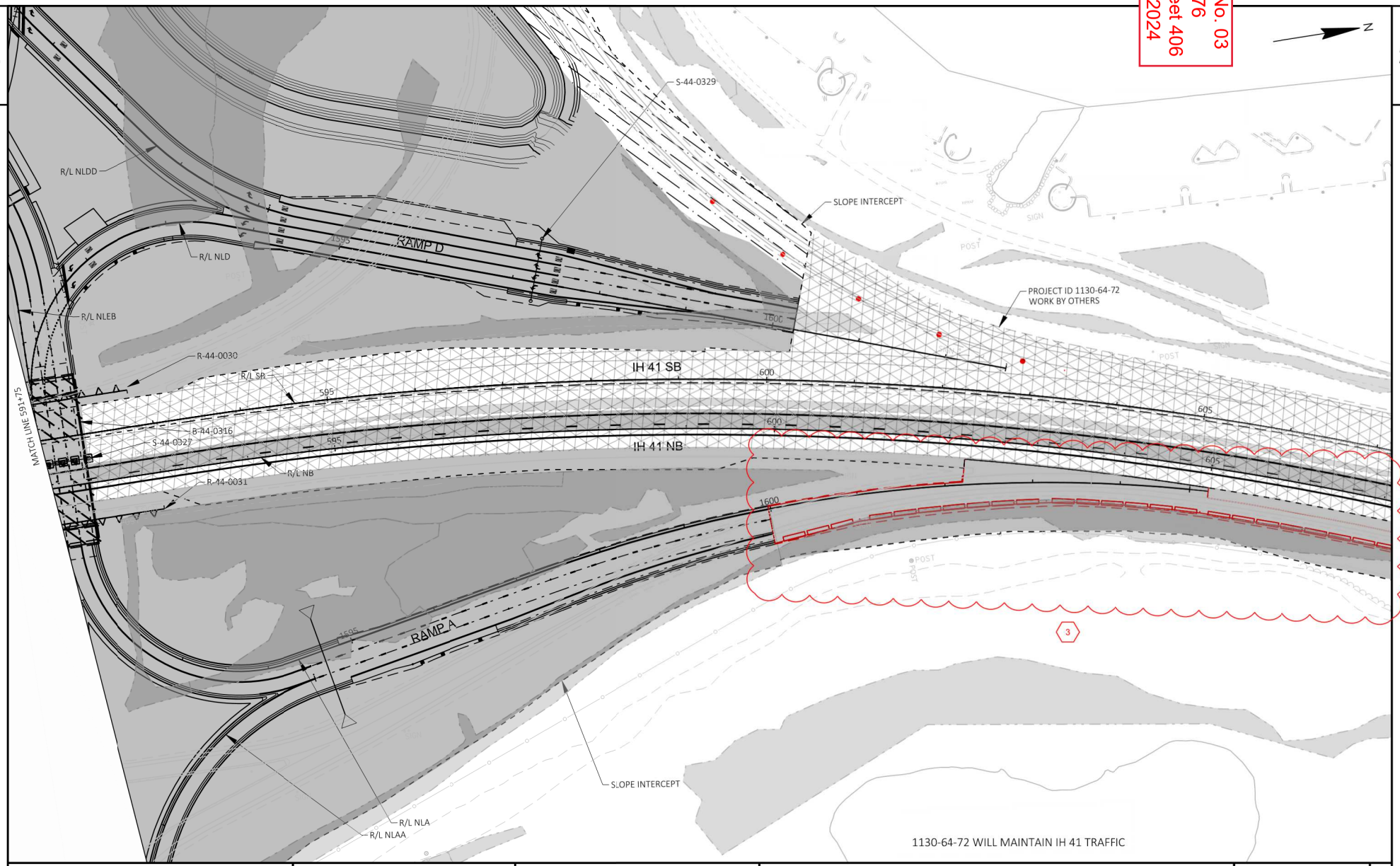
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - OVERVIEW STAGE 3D	SHEET 404	E

FILE NAME : C:\USERS\NSTUTTS\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025100-TC-OVERVIEW.DWG
LAYOUT NAME - Overview Stage 3D

PLOT DATE : 2/5/2024 7:20 PM PLOT BY : NATHAN STUTTS PLOT NAME : PLOT SCALE : 1" = 1000'

WISDOT/CADDS SHEET 42

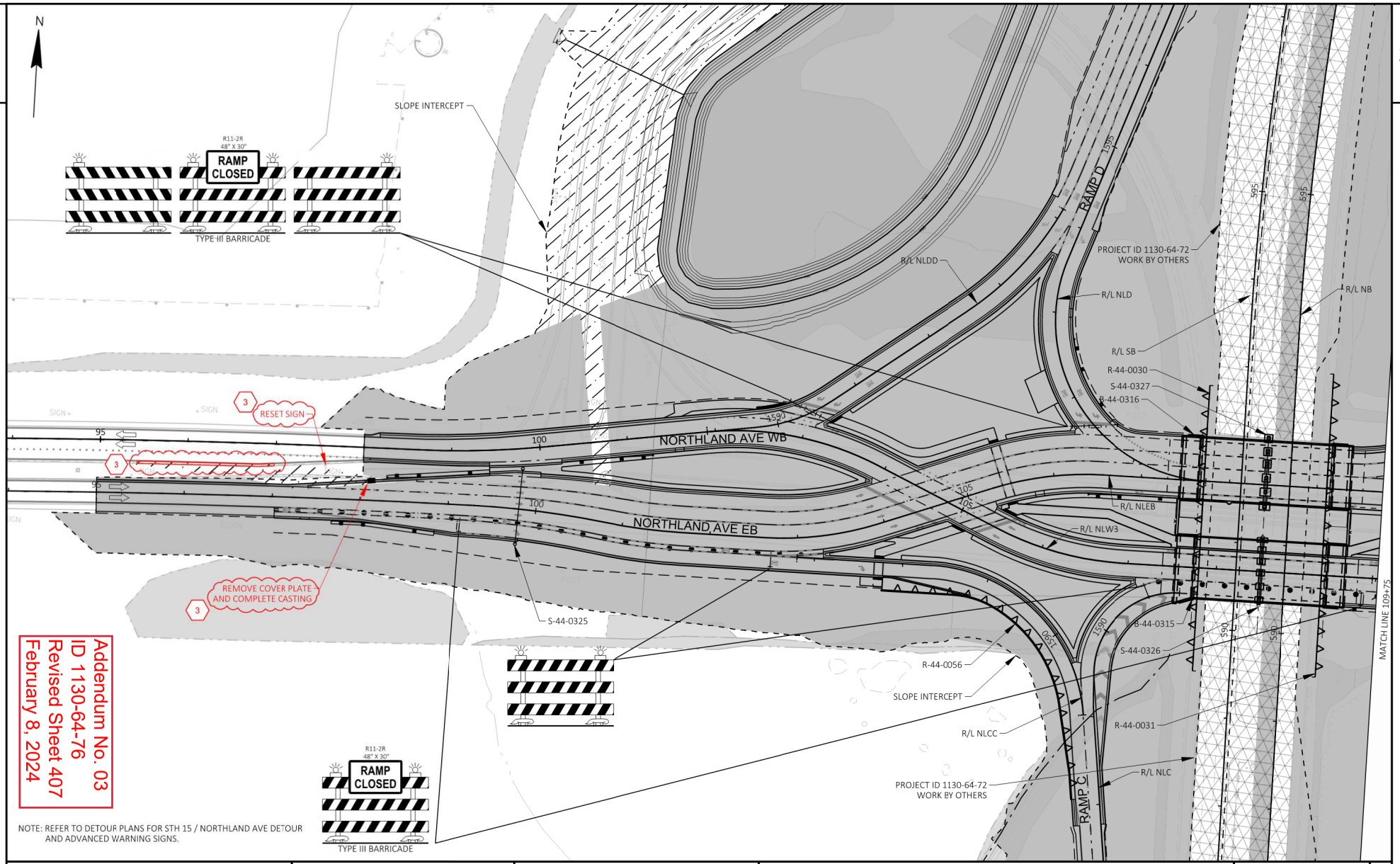
Addendum No. 03
ID 1130-64-76
Revised Sheet 406
February 8, 2024



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - IH 41 - STAGE 3D	SHEET 406	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025105-TC(STAGE3D).DWG
LAYOUT NAME - 4
PLOT DATE : 2/6/2024 12:11 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - W NORTHLAND AVE - STAGE 3D	SHEET 407	E

FILE NAME : C:\USERS\NSTUTTS\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\025108-TC(STAGE3D).DWG
LAYOUT NAME - (2)
PLOT DATE : 2/5/2024 7:28 PM
PLOT BY : NATHAN STUTTS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

3

3

SAWING CONCRETE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	690.0250 SAWING CONCRETE LF
1000		**IH 41**					
		564NBT+20.00	-	569NBT+00.00	1.00	LT	480
		569NB+00.00	-	672NB+55.51	1.00	LT	10367
		586NB+90.95	-	587NB+04.96	1.00	LT	95
		588NB+92.46	-	589NB+06.46	1.00	LT	95
		588SB+87.07	-	589SB+01.07	0.00	LT/RT	172
		590SB+45.89	-	593SB+23.40	32.11	LT	288
		672NBT+55.50	-	681NBT+99.88	1.00	LT	945
		W. NORTHLAND AVENUE					
		95NLEB+00.00	-	95NLEB+00.00	0.00	LT/RT	26
	STAGE 3B	95NLWB+42.75	-	96NLWB+98.35	23.65	RT	157
		98NLWB+00.00	-	98NLWB+00.00	0.00	LT/RT	26
		107NLEB+80.68	-	107NLEB+80.68	0.00	LT/RT	279
		121NLWB+18.00	-	121NLWB+18.00	0.00	LT/RT	27
		121NLEB+85.00	-	121NLEB+85.00	0.00	LT/RT	37
		RAMP A					
		1599NLA+97.39	-	1604NLA+78.84	30.45	LT	281
		1604NLAT+78.84	-	1616NLAT+36.74	0.05	LT	1158
		RAMP B					
		1574NLBT+01.46	-	1578NLBT+76.83	0.00	LT	489
		1578NLB+76.84	-	1579NLB+97.74	27.24	LT	135
		RAMP D					
		1600NLD+25.00	-	1600NLD+25.00	74.37	LT	17
		SUBTOTAL					15074
		PROJECT 1130-64-76 TOTAL					**15100**

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Addendum No. 03
ID 1130-64-76
Revised Sheet 451
February 8, 2024

PROJECT	From/To Station	Location	Excavation Common (CY) ** (1) 205.0100		Excavation Marsh (CY) (6) 205.0400	Roadway Embankment (CY) (4) SPV.0035.0100	Fly Ash Fill (7)	Mass Ordinate +/- (5)
			Cut (CY) (2)	EBS (CY) (3)				
1130-64-76								
	564NB+20.00 - 681NB+99.88	IH 41 NB INTERIM	19,302	38,514	0	5,827	0	51,989
	589SB+50.00 - 619SB+00.00	IH 41 SB INTERIM	113	0	0	700	0	-587
	95NLEB+00.00 - 121NLEB+85.00	W. NORTHLAND AVENUE - EASTBOUND	13,888	0	0	13,078	0	810
	95NLWB+00.00 - 121NLWB+15.99	W. NORTHLAND AVENUE - WESTBOUND	11,536	0	0	7,144	0	4,392
	1591NLA+25.64 - 1599NLA+97.39	RAMP NLA	14,272	0	2,207	23,584	4,161	-11,266
	~~1590NLAA+32.83 - 1594NLAA+46.46~~	~~RAMP NLAA~~	~~10,257~~	~~0~~	~~11~~	~~3,225~~	~~0~~	~~7,043~~
3	1599NLAT+97.39 - 1615NLAT+77.56	RAMP NLA INTERIM	4,280	0	0	32	0	4,248
	~~1578NLB+77.48 - 1591NLB+26.06~~	~~RAMP NLB~~	~~13,669~~	~~0~~	~~0~~	~~21,681~~	~~0~~	~~-8,012~~
	1588NLBB+89.77 - 1591NLBB+50.96	RAMP NLBB	422	0	0	918	0	-496
	1574NLBT+01.46 - 1578NLBT+77.48	RAMP NLB INTERIM	1,503	0	0	132	0	1,371
	1588NLC+07.72 - 1590NLC+50.00	RAMP NLC EARLY FILL	23,019	0	621	11,567	0	12,073
	1589NLCC+02.52 - 1593NLCC+19.72	RAMP NLCC EARLY FILL	0	0	13	7,230	0	-7,217
	1585NLC+00.00 - 1590NLC+98.53	RAMP NLC	2,214	0	0	16,998	0	-14,784
	1589NLCC+02.52 - 1593NLCC+19.72	RAMP NLCC	74	0	0	3,249	0	-3,175
	1591NLD+15.78 - 1600NLD+25.00	RAMP NLD EARLY FILL	15	0	4,086	31,925	0	-27,824
	1590NLDD+07.13 - 1594NLDD+12.63	RAMP NLDD EARLY FILL	10	0	1,855	19,347	0	-17,482
	1591NLD+45.55 - 1600NLD+25.00	RAMP NLD	2,002	0	0	29,134	0	-27,132
	1589NLDD+19.42 - 1594NLDD+12.63	RAMP NLDD	214	0	0	15,123	0	-14,909
	0NLPB+00.00 - 12NLPB+03.16	POND B	63,394	0	0	2,731	0	60,663
	1NLPD+00.00 - 13NLPD+17.00	POND D	59,560	0	0	145	0	59,415
	Totals		**239,800**	**38,514**	**8,793**	**213,800**	**4,161**	
3			**278,314**					

1) Excavation Common = Cut + EBS Excavation. Item number 205.0100.
2) Cut volume includes existing concrete and asphaltic surface material.
3) EBS Excavation to be backfilled with select crushed material unless otherwise noted in the plans. All EBS material is assumed to be wasted offsite.
4) Roadway Embankment = Fill
5) Mass Ordinate = Excavation Common + Excavation Marsh - Fill - Fly Ash Fill. The Mass Ordinate is for information purposes only.
6) Excavation Marsh limits as identified in the cross sections. All marsh material assumed to be wasted offsite. See marsh excavation and trench detail for fill requirements.
7) Fly ash material quantity accounted for in Excavation, Hauling, and Reuse of Low-Level Contaminated Material. Additional potential fly ash embankment areas are shown in the cross sections, these areas may not all be used and therefore are not included in the Earthwork Quantity measurements.
**Additional Quantities Shown Elsewhere

Addendum No. 03
ID 1130-64-76
Revised Sheet 454
February 8, 2024

EROSION MAT

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	628.2002 EROSION MAT CLASS I TYPE A SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY
1000								
		IH 41						
		604SB+47.11	-	615SB+84.24	89.55	LT	682	-
		618SB+65.15	-	657SB+24.51	69.29	LT	2229	-
	W. NORTHLAND AVENUE							
		94NLEB+49.42	-	102NLEB+95.88	23.83	RT	4098	-
		95NLEB+14.85	-	99NLEB+09.70	18.24	LT	629	-
		97NLWB+59.95	-	102NLWB+32.23	30.12	LT	8960	
		114NLEB+30.52	-	121NLEB+85.00	43.00	RT	7648	-
		114NLWB+56.63	-	121NLWB+18.59	57.00	LT	2119	-
		117NLEB+78.21	-	121NLEB+02.06	17.86	LT	939	
		RAMP A						
		1591NLA+25.64	-	1599NLA+97.39	3.62	LT	10740	-
		1590NLAA+32.83	-	1594NLAA+46.46	31.50	RT	3857	-
		1594NLA+46.46	-	1599NLA+97.39	46.35	RT	4657	-
	3	1599NLAT+97.39	-	1616NLAT+36.74	40.62	RT	4463	-
		1599NLAT+97.39	-	1602NLAT+85.98	4.00	LT	828	-
		RAMP B						
		1574NLBT+01.47	-	1578NLBT+77.48	26.19	RT	1809	-
		1578NLB+72.86	-	1592NLB+03.79	4.00	LT	12523	-
		1578NLB+77.48	-	1588NLB+87.34	32.00	RT	7766	-
		1588NLBB+89.77	-	1592NLBB+25.29	39.00	RT	2199	-
		RAMP C						
		1583NLC+00.00	-	1589NLC+02.52	90.00	LT	7262	-
		1585NLC+00.00	-	1590NLC+98.53	4.00	RT	5270	-
	2	1587NLC+94.66	-	1590NLC+98.53	-	LT/RT	5554	-
		1589NLCC+02.52	-	1593NLCC+19.72	29.50	LT	1840	-
		RAMP D						
		1589NLDD+19.42	-	1600NLD+25.00	37.00	LT	16307	-
		1590NLD+14.77	-	1601NLD+30.61	26.85	RT	8119	-
	2	1591NLD+15.78	-	1594NLD+70.53	-	LT/RT	9201	-
		1595NLD+80.33	-	1600NLD+24.61	-	LT/RT	5388	-
		POND B						
		0NLPB+00.00	-	12NLPB+03.16	-	-	-	2319
		POND D						
		1NLPD+00.00	-	13NLPD+17.00	-	RT	-	6016
SUBTOTAL							135086	8335
UNDISTRIBUTED							13509	834
PROJECT 1130-64-76 TOTAL						2 3	**148600**	**9200**

Addendum No. 03
ID 1130-64-76
Revised Sheet 460
February 8, 2024

RESTORATION ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	629.0210 FERTILIZER TYPE B CWT	630.0130* SEEDING MIXTURE NO. 30 LB	630.0500* SEED WATER MGAL	628.7560 TRACKING PADS EACH
1000		**IH 41**								
		604SB+47.11	-	615SB+84.24	89.55	LT	0.02	31	15	-
		618SB+65.15	-	657SB+24.51	69.29	LT	0.07	101	50	-
		W. NORTHLAND AVENUE								
		94NLEB+49.42	-	102NLEB+95.88	23.83	RT	0.13	185	92	-
		95NLEB+14.85	-	99NLEB+09.70	18.24	LT	0.02	29	14	-
		97NLWB+59.95	-	102NLWB+32.23	30.12	LT	0.28	404	201	-
		114NLEB+30.52	-	121NLEB+85.00	43.00	RT	0.24	345	172	-
		114NLWB+56.63	-	121NLWB+18.59	57.00	LT	0.07	96	48	-
		117NLEB+78.21	-	121NLEB+02.06	17.86	LT	0.03	43	21	-
		RAMP A								
		1591NLA+25.64	-	1599NLA+97.39	3.62	LT	0.34	484	241	-
		1590NLAA+32.83	-	1594NLAA+46.46	31.50	RT	0.12	174	87	-
		1594NLA+46.46	-	1599NLA+97.39	46.35	RT	0.15	210	105	-
	3	1599NLAT+97.39	-	1616NLAT+36.74	40.62	RT	0.14	201	100	-
		1599NLAT+97.39	-	1602NLAT+85.98	4.00	LT	0.03	38	19	-
		RAMP B								
		1574NLBT+01.47	-	1578NLBT+77.48	26.19	RT	0.06	82	41	-
		1578NLB+72.86	-	1592NLB+03.79	4.00	LT	0.39	564	281	-
		1578NLB+77.48	-	1588NLB+87.34	32.00	RT	0.24	350	174	-
		1588NLBB+89.77	-	1592NLBB+25.29	39.00	RT	0.07	99	49	-
		RAMP C								
		1583NLC+00.81	-	1589NLC+02.52	88.13	LT	0.23	332	165	-
		1585NLC+00.00	-	1590NLC+98.53	4.00	RT	0.17	238	118	-
	2	1587NLC+94.66	-	1590NLC+98.53	-	LT/RT	0.17	250	125	-
		1589NLCC+02.52	-	1593NLCC+19.72	29.50	LT	0.06	83	41	-
		RAMP D								
		1589NLDD+19.42	-	1600NLD+25.00	37.00	LT	0.51	734	366	-
		1590NLD+14.77	-	1601NLD+30.61	26.85	RT	0.26	366	182	-
	2	1591NLD+15.78	-	1594NLD+70.53	-	LT/RT	0.29	415	207	-
		1595NLD+80.33	-	1600NLD+24.61	-	LT/RT	0.17	243	121	-
		POND B								
		0NLPB+00.00	-	12NLPB+03.16	-	RT	0.11	159	79	-
		POND D								
		1NLPD+00.00	-	13NLPD+17.00	-	RT	0.08	117	58	-
		SUBTOTAL					4	6373	3174	-
		UNDISTRIBUTED					1	637	317	10
		TOTAL				2 3	**6**	**7020**	**3500**	**10**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 03
ID 1130-64-76
Revised Sheet 464
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 464	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 42

TEMPORARY CONCRETE BARRIER ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	603.8500* ANCHORING CONCRETE BARRIER TEMPORARY PRECAST LF
1000										
	2	IH 41								
			572SB+62.00		673SB+44.61	4.86	RT	9272	9272	-
			579SB+54.00		584SB+05.00	38	LT	454	454	-
			593SB+35.86		603SB+95.56	26	LT	1067	1067	-
		STAGE 2 SUBTOTAL						10793	10793	-
	3A	IH 41								
			565NB+75.00	-	593NB+35.86	20.00	LT	2764	2764	-
			593NB+35.86	-	679NB+15.00	20.00	LT	7937	7937	
			585NB+98.00	-	593NB+32.00	24.90	RT	730	730	13
			584SB+05.00	-	603SB+95.56	26.00	LT	933	933	-
			597SB+53.81	-	603SB+78.53	465.20	LT	823	823	13
		STAGE 3A SUBTOTAL						13187	13187	26
	3B	IH 41								
			577NB+56.52	-	616NB+34.51	10.10	RT	3142	3872	-
			585NB+82.34	-	593NB+35.86	20.00	LT	-	754	
		STAGE 3B SUBTOTAL						3142	4626	-
	3C	IH 41								
			570NB+88.11		616NB+34.51	10.10	RT	668	668	13
		STAGE 3C SUBTOTAL						668	668	13
		PROJECT 1130-64-76 SUBTOTAL						27790	29274	39
		TOTAL						**27,800**	**29,300**	**39**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 03
ID 1130-64-76
Revised Sheet 465
February 8, 2024

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	STAGE DURATION DAYS	305.0120* BASE AGGREGATE DENSE 1 1/4 INCH TON	312.0110* SELECT CRUSHED MATERIAL TON	623.0200* DUST CONTROL SURFACE TREATMENT SY	624.0100* WATER MGAL	455.0605* TACK COAT GAL	465.0105* ASPHALTIC SURFACE TON	~~460.6232 HMA PAVEMENT 3 MT 58 28 S TON~~	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAYS
1000	STAGE 2 OFF-PEAK	100																	
	IH 41		-	-	-	-	-	-	-	366	36600	10	1000	20	2000	34	3400	44	4400
	STAGE 2 OFF-PEAK SUBTOTAL		-	-	-	-	-	-	-	**366**	**36600**	**10**	**1000**	**20**	**2000**	**34**	**3400**	**44**	**4400**
	STAGE 2 PEAK	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	100
	STAGE 2 PEAK SUBTOTAL		-	-	-	-	-	-	-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**100**
	STAGE 3A	20																	
	IH 41		-	-	-	-	-	-	-	244	4880	12	75	24	150	102	690	61	800
	W. NORTHLAND AVENUE		-	-	-	-	-	-	-	149	2980	20	400	40	800	149	2980	14	280
	CASALOMA DR.		-	-	-	-	-	-	-	24	480	4	80	8	160	-	-	6	120
	STAGE 3A SUBTOTAL		-	-	-	-	-	-	-	**417**	**8340**	**36**	**555**	**72**	**1110**	**251**	**3670**	**81**	**1200**
	STAGE 3B	40																	
	IH 41		-	-	-	-	-	-	-	261	3510	12	95	24	190	107	1130	152	5100
	STH 96		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	587	23480
	W. NORTHLAND AVENUE		223	534	667	5	47	140	-	27	1080	21	840	42	1680	8	320	101	4040
	CASALOMA DR.		-	-	-	-	-	-	-	24	960	4	160	8	320	24	960	7	280
	N. BLUEMOUND DR.		-	-	-	-	-	-	-	10	400	2	80	4	160	10	400	5	200
	CTH CB		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106	4240
	N. LYNNDALE DRIVE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	3400
	STAGE 3B SUBTOTAL		**223**	**534**	**667**	**5**	**47**	**140**	**-**	**322**	**5950**	**39**	**1175**	**78**	**2350**	**149**	**2810**	**1043**	**40740**
	STAGE 3C	52																	
	IH 41		-	-	-	-	-	-	-	300	6294	14	211	28	422	131	2582	163	7160
	STH 96		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	587	30524
	W. NORTHLAND AVENUE		-	-	-	-	-	-	~~153~~	54	2808	21	1092	42	2184	11	572	100	5200
	CASALOMA DR.		-	-	-	-	-	-	-	24	1248	4	208	8	416	24	1248	7	364
	N. BLUEMOUND DR.		-	-	-	-	-	-	-	10	520	2	104	4	208	10	520	5	260
	CTH CB		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	5200
	N. LYNNDALE DRIVE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	4420
	STAGE 3C SUBTOTAL		-	-	-	-	-	-	~~153~~	**388**	**10870**	**41**	**1615**	**82**	**3230**	**176**	**4922**	**1047**	**53128**
	STAGE 3D	10																	
	IH 41		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	910
	STH 96		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	587	5870
	W. NORTHLAND AVENUE		-	-	-	-	-	-	-	70	700	12	120	24	240	4	-	91	910
	CTH CB		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	1000
	N. LYNNDALE DRIVE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	850
	STAGE 3D SUBTOTAL		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**70**	**700**	**12**	**120**	**24**	**240**	**4**	**-**	**954**	**9540**
	UNDISTRIBUTED		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**313**	**12492**	**28**	**893**	**55**	**1786**	**123**	**2960**	**634**	**21822**
	PROJECT 1130-64-76 TOTAL		**223**	**534**	**667**	**5**	**47**	**140**	~~153~~	**1876**	**74952**	**166**	**5358**	**331**	**10716**	**737**	**17762**	**3803**	**130830**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 03
ID 1130-64-76
Revised Sheet 466
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 466	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 42

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REMOVING CURB

3

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	204.0130 REMOVING CURB LF
1000								
	3B	IH 41						
			95NLWB+42.75	-	96NLWB+98.14	23.65	RT	156
								156

TRAFFIC CONTROL COVERING SIGNS

CATEGORY	STAGE	ROADWAY	CYCLES	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I SIGNS	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II SIGNS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH
1000		**IH 41**					
	3A		1	3	3	7	7
	3B		1	4	4	7	7
	3C		1	2	2	8	8
	PROJECT 1130-64-76 TOTAL			**9**	**9**	**22**	**22**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

MOVING SIGNS TYPE II

CATEGORY	ROADWAY	STAGE	638.2102* MOVING SIGNS TYPE II EACH
1000	**IH 41**		
		2	8
		3A	8
		3B	9
		3C	8
	TOTAL		**33**

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PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 468	E

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WISDOT/CADDS SHEET 42

AGGREGATE ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	305.0110 BASE AGGREGATE DENSE 3/4 INCH TON	3 305.0120* BASE AGGREGATE DENSE 1 1/4 INCH TON	3 312.0110* SELECT CRUSHED MATERIAL TON	3 623.0200* DUST CONTROL SURFACE TREATMENT SY	624.0100* WATER 3 MGAL	REMARKS
1000		**IH 41**								
		564NBT+20.00	-	569NBT+00.00	-	152	549	228	4	ROADWAY SURFACE AREA
		569NB+00.00	-	672NB+55.51	-	13828	22198	20742	277	ROADWAY SURFACE AREA
		672NBT+55.51	-	681NBT+99.88	-	524	1510	786	11	ROADWAY SURFACE AREA
		569NB+00.00	-	672NB+55.51	-	-	69326	-	-	EBS BACKFILL
		W. NORTHLAND AVENUE								
		104NLEB+55.16	-	105NLEB+48.34	-	38	-	57	1	SIDEWALK BASE AGGREGATE
		105NLWB+41.48	-	107NLWB+54.36	-	38	-	57	1	SIDEWALK BASE AGGREGATE
		109NLEB+36.81	-	111NLEB+62.35	-	40	-	60	1	SIDEWALK BASE AGGREGATE
		111NLEB+92.82	-	113NLEB+26.50	-	28	-	42	1	SIDEWALK BASE AGGREGATE
		112NLWB+20.70	-	113NLWB+88.36	-	34	-	51	1	SIDEWALK BASE AGGREGATE
		113NLEB+70.44	-	114NLEB+30.52	-	18	-	27	1	SIDEWALK BASE AGGREGATE
		99NLEB+15.32	-	103NLEB+93.12	-	238	-	357	5	SIDEWALK BASE AGGREGATE
		104NLWB+90.80	-	107NLWB+04.44	-	202	-	303	5	SIDEWALK BASE AGGREGATE
		105NLWB+38.51	-	107NLWB+75.11	-	146	-	219	3	SIDEWALK BASE AGGREGATE
		109NLWB+25.11	-	111NLWB+72.43	-	138	-	207	3	SIDEWALK BASE AGGREGATE
		112NLEB+96.05	-	117NLEB+72.37	-	268	-	402	6	SIDEWALK BASE AGGREGATE
		103NLWB+85.30	-	103NLWB+91.00	-	38	-	57	1	SIDEWALK BASE AGGREGATE
		107NLWB+04.44	-	107NLWB+09.44	-	38	-	57	1	SIDEWALK BASE AGGREGATE
		113NLEB+26.89	-	113NLEB+29.06	-	38	-	57	1	SIDEWALK BASE AGGREGATE
		1590NLAA+37.73	-	1593NLAA+87.14	-	528	-	792	11	SIDEWALK BASE AGGREGATE
		1590NLAA+93.24	-	1591NLAA+13.79	-	4	-	6	1	SIDEWALK BASE AGGREGATE
		1589NLBB+30.88	-	1591NLBB+25.20	-	252	-	378	6	SIDEWALK BASE AGGREGATE
		1592NLCC+42.78	-	1592NLCC+22.78	-	4	-	6	1	SIDEWALK BASE AGGREGATE
		1591NLD+69.67	-	1593NLD+55.85	-	460	-	690	10	SIDEWALK BASE AGGREGATE
		1589NLDD+19.42	-	1590NLDD+17.66	-	22	-	33	1	SIDEWALK BASE AGGREGATE
		95NLEB+00.00	-	107NLEB+45.59	-	3136	7171	4704	63	ROADWAY SURFACE AREA
		109NLEB+37.09	-	121NLEB+84.99	-	2004	4819	3006	41	ROADWAY SURFACE AREA
		98NLWB+00.00	-	107NLWB+54.19	-	1470	3586	2205	30	ROADWAY SURFACE AREA
		109NLWB+50.00	-	122NLWB+00.00	-	2,340	5,751	3510	47	ROADWAY SURFACE AREA
		3 SUBTOTAL			-	26026	114910	39039	534	

3 * ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONTINUED ON NEXT SHEET

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ID 1130-64-76
Revised Sheet 471
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 471	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1

Addendum No. 03
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AGGREGATE ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	305.0110 BASE AGGREGATE DENSE 3/4 INCH TON	3	305.0120* BASE AGGREGATE DENSE 1 1/4 INCH TON	3	312.0110* SELECT CRUSHED MATERIAL TON	3	623.0200* DUST CONTROL SURFACE TREATMENT SY	624.0100* WATER MGAL	3	REMARKS
		1591NLA+25.64	-	1599NLA+97.39	52		1946		5166		2919	91		ROADWAY SURFACE AREA
		1599NLAT+97.39	-	1616NLAT+36.70	196	3	1816	3	4633	3	2724	233	3	ROADWAY SURFACE AREA
		1590NLAA+32.83	-	1594NLAA+00.00			536		1361		804	11		ROADWAY SURFACE AREA
		1591NLA+25.64	-	1599NLAA+97.39					5,582					MARSH EXCAVATION BACKFILL
		RAMP B												
		1578NLB+77.48	-	1597NLB+26.06	146		2904		8069		4356	205		ROADWAY SURFACE AREA
		1574NLBT+01.46	-	1578NLBT+77.48	62		540		1416		810	73		ROADWAY SURFACE AREA
		1588NLBB+89.77	-	1592NLBB+25.29			404		1012		606	9		ROADWAY SURFACE AREA
		RAMP C												
		1585NLC+00.00	-	1590NLC+98.53	42		1018		2711		1527	63		ROADWAY SURFACE AREA
		1589NLCC+02.52	-	1593NLCC+19.72			418		1044		627	9		ROADWAY SURFACE AREA
		1588NLC+39.27	-	1590NLC+98.53					1,228					MARSH EXCAVATION BACKFILL
		RAMP D												
		1591NLD+07.64	-	1600NLD+25.00	50		2304		6086		3456	97		ROADWAY SURFACE AREA
		1589NLDD+19.42	-	1593NLDD+50.00			532		1339		798	11		ROADWAY SURFACE AREA
		1591NLD+50.52	-	1600NLD+25.00					14,647					MARSH EXCAVATION BACKFILL
		SUBTOTAL			548		12,418		54,294		18,627	802		
		PROJECT 1130-64-76 TOTAL			**550**	3	**38,500**		**169,300**		**57,700**	**1,400**		

3 * ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 472	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 42

CONCRETE PAVEMENT

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	415.0090 CONCRETE PAVEMENT 9-INCH SY	415.0095 CONCRETE PAVEMENT 9-1/2 INCH SY	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	416.0610 DRILLED TIE BARS EACH	~~405.0100 COLORING CONCRETE WISDOT RED CY~~
1000	**W. NORTHLAND AVENUE**									
		95NLEB+00.00	-	107NLEB+45.31	LT/RT	-	8188	-	-	-
		95NLWB+42.76	-	96NLWB+98.14	RT	-	-	-	52	
		98NLWB+00.00	-	104NLWB+13.68	LT/RT	-	2260	-	-	-
		105NLWB+08.50	-	107NLWB+54.36	LT/RT	-	924	-	-	-
		~~105NLWB+19.29~~	~~-~~	~~105NLWB+33.43~~	~~LT/RT~~	~~-~~	~~-~~	~~-~~	-	~~13~~
		~~105NLEB+40.99~~	~~-~~	~~105NLEB+51.00~~	~~LT/RT~~	~~-~~	~~-~~	~~-~~	-	~~10~~
		107NLEB+29.81	-	107NLEB+44.81	LT/RT	-	-	101	-	-
		107NLWB+38.86	-	107NLWB+53.86	LT/RT	-	-	77	-	-
		109NLEB+37.31	-	109NLEB+52.31	LT/RT	-	-	101	-	-
		109NLWB+46.36	-	109NLWB+61.36	LT/RT	-	-	82	-	-
		109NLWB+45.86	-	121NLWB+18.59	LT/RT	-	6615	-	-	-
		109NLEB+36.81	-	112NLEB+12.75	LT/RT	-	974	-	-	-
		~~111NLWB+54.93~~	~~-~~	~~111NLWB+64.93~~	~~LT/RT~~	~~-~~	~~-~~	~~-~~	-	~~14~~
		~~111NLEB+69.79~~	~~-~~	~~111NLEB+83.85~~	~~LT/RT~~	~~-~~	~~-~~	~~-~~	-	~~13~~
		112NLEB+49.28	-	121NLEB+85.00	LT/RT	-	3395	-	-	-
	RAMP A									
		~~1591NLAA+03.24~~	~~-~~	~~1591NLAA+13.24~~	~~RAMP A~~	~~-~~	~~-~~	~~-~~	-	~~5~~
		1593NLA+31.78	-	1599NLA+97.39	RAMP A	4555	-	-	-	-
	RAMP B									
		1578NLB+77.46	-	1591NLB+30.64	RAMP B	6717	-	-	-	-
		~~1591NLBB+26.63~~	~~-~~	~~1591NLBB+41.84~~	~~RAMP B~~	~~-~~	~~-~~	~~-~~	-	~~14~~
	RAMP C									
		1583NLC+00.00	-	1590NLC+92.77	RAMP C	2863	-	-	-	-
		1591NLCC+15.07	-	1592NLCC+21.46	RAMP C	58	-	-	-	-
		~~1592NLCC+21.96~~	~~-~~	~~1592NLCC+31.96~~	~~RAMP C~~	~~-~~	~~-~~	~~-~~	-	~~5~~
	RAMP D									
		~~1590NLDD+30.84~~	~~-~~	~~1590NLDD+46.05~~	~~RAMP D~~	~~-~~	~~-~~	~~-~~	-	~~13~~
		1591NLD+47.91	-	1600NLD+25.00	RAMP D	6253	-	-	-	-
	SUBTOTAL					20446	22356	361	52	~~95~~
	PROJECT 1130-64-76 TOTAL					**20,450**	**22,360**	**370**	**60**	~~**95**~~

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ASPHALT PAVEMENT ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	3 455.0605* TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	3 465.0105* ASPAHLTIC SURFACE TON
1000	**W. NORTHLAND AVENUE**								
		95NLEB+00.00	-	97NLEB+02.65	12.00	RT	16	34	-
	RAMP A								
		1594NLA+85.27	-	1599NLA+97.39	0.00	LT	13	28	-
		1594NLA+85.27	-	1596NLA+60.27	46.50	RT	11	25	-
		1599NLAT+97.39	-	1616NLAT+36.73	0.00	LT/RT	313	-	940
	RAMP B								
		1578NLB+77.48	-	1582NLB+53.18	3.00	LT	9	19	-
		1578NLB+77.48	-	1584NLB+35.16	29.00	RT	27	57	-
		1582NLB+53.18	-	1584NLB+36.20	0.00	LT	6	13	-
		1585NLB+03.00		1588NLB+31.37	12.00	LT	8	17	-
		1574NLBT+01.00	-	1578NLBT+77.48	0.00	LT/RT	124	-	372
	RAMP C								
		1585NLC+00.00	-	1587NLC+77.30	21.77	LT	11	23	-
		1585NLC+00.00	-	1587NLC+77.30	0.00	RT	7	14	-
	RAMP D								
		1594NLD+03.82	-	1596NLD+97.00	19.00	RT	7	16	-
		1598NLD+67.60	-	1599NLD+44.94	4.15	RT	3	5	-
		1599NLD+44.94	-	1600NLD+25.00	0.00	RT	2	4	-
	IH 41								
		564NBT+20.00	-	569NBT+00.00	1.00	LT	25	-	75
		569NB+00.00	-	672NB+55.51	1.00	LT	1,652	-	4,957
		586NB+90.95		587NB+04.96	1.00	LT	7		22
		588NB+92.46		589NB+06.46	1.00	LT	4		11
		588SB+87.07		589SB+01.07	1.00	LT	4		11
		672NBT+55.51	-	681NBT+99.88	1.00	LT	96	-	287
	SUBTOTAL						2,345	255	6675
	PROJECT 1130-64-76 TOTAL						**2,350**	**255**	**6,680**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE 3

Addendum No. 03
ID 1130-64-76
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PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 475	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 42

CONCRETE CURB & GUTTER

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	3 601.0115 CONCRETE CURB TYPE G LF	601.0205 CONCRETE GUTTER 24-INCH LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0452 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF
1000	**W. NORTHLAND AVENUE**												
		95NLEB+00.00	-	99NLEB+45.21	14.00	LT	-	-	450	-	-	-	-
	3	95NLWB+42.76	-	96NLWB+98.14	23.5	RT	156						
		97NLEB+02.65	-	98NLEB+85.71	24.50	RT	-	-	184	-	-	-	-
		98NLWB+00.16	-	99NLWB+42.37	16.72	RT	-	-	-	144	-	-	-
		98NLWB+00.03	-	102NLWB+45.21	15.00	LT	-	-	-	447	-	-	-
		99NLEB+82.92	-	103NLEB+82.28	33.28	RT	-	-	418	-	-	-	-
		100NLEB+00.98	-	103NLEB+99.53	38.38	LT	-	-	-	379	-	-	-
		100NLWB+23.30	-	103NLWB+92.47	15.00	RT	-	-	-	360	-	-	-
		103NLWB+11.32	-	104NLWB+32.47	18.00	LT	-	-	-	114	-	-	-
		103NLEB+27.18	-	104NLEB+69.59	15.00	RT	-	-	-	148	-	-	-
		104NLEB+52.02	-	106NLEB+34.72	45.00	LT	-	-	-	185	-	-	-
		104NLWB+99.79	-	105NLWB+13.93	19.50	RT	-	-	-	-	-	29	-
		104NLWB+87.32	-	107NLWB+09.44	15.00	RT	-	-	-	225	-	-	-
		105NLEB+39.58	-	105NLEB+48.34	49.63	LT	-	-	-	-	-	-	21
		105NLEB+41.73	-	105NLEB+52.40	21.50	RT	-	-	-	-	-	-	20
		105NLEB+28.23	-	107NLEB+45.31	15.00	RT	-	-	-	210	-	-	-
		105NLWB+33.54	-	107NLWB+54.36	15.00	LT	-	-	-	213	-	-	-
		105NLEB+33.23	-	105NLEB+40.68	25.98	RT	-	-	-	-	13	-	-
		105NLEB+53.50	-	107NLEB+45.31	22.00	RT	-	-	-	-	190	-	-
		105NLWB+57.90	-	107NLWB+46.74	22.00	LT	-	-	-	-	187	-	-
		105NLWB+40.79	-	105NLWB+55.77	21.50	LT	-	-	-	-	-	-	29
		107NLEB+42.56	-	107NLEB+42.56	22.45	RT	-	-	-	-	41	-	-
		109NLEB+39.56	-	109NLEB+39.56	22.45	RT	-	-	-	-	41	-	-
		109NLWB+46.36	-	110NLWB+41.70	32.00	RT	-	-	-	96	-	-	-
		109NLWB+46.36	-	111NLWB+60.27	35.50	LT	-	-	-	-	203	-	-
		109NLWB+52.48	-	111NLWB+53.48	23.00	LT	-	-	-	-	200		
		111NLWB+64.15	-	111NLWB+72.27	21.50	LT	-	-	-	-	13	-	-
		109NLWB+85.86	-	111NLWB+77.69	15.00	LT	-	-	-	185	-	-	-
		109NLEB+36.81	-	111NLEB+69.60	15.00	RT	-	-	-	225	-	-	-
		109NLEB+99.49	-	112NLEB+15.82	15.00	LT	-	-	-	223	-	-	-
		111NLWB+03.73	-	112NLWB+38.91	30.00	RT	-	-	-	142	-	-	-
		111NLWB+56.90	-	111NLWB+66.01	34.50	RT	-	-	-	-	-	-	20
		111NLWB+53.48	-	111NLWB+64.15	21.50	LT	-	-	-	-	-	-	20
		111NLEB+47.57	-	111NLEB+62.29	21.50	RT	-	-	-	-	-	-	29
		111NLEB+89.20	-	112NLEB+03.35	19.50	LT	-	-	-	-	-	29	-
		112NLEB+49.46	-	113NLEB+35.43	15.00	RT	-	-	-	81	-	-	-
		112NLWB+91.39	-	117NLWB+22.30	30.00	RT	-	-	-	415	-	-	-
		112NLEB+89.51	-	116NLEB+62.96	15.00	LT	-	-	-	367	-	-	-
		112NLWB+36.33	-	114NLWB+53.15	15.00	LT	-	-	-	223	-	-	-
		114NLEB+03.82	-	119NLEB+46.29	19.07	RT	-	-	-	544	-	-	-
		114NLWB+56.90	-	117NLWB+22.56	42.26	LT	-	-	-	270	-	-	-
		117NLEB+26.04	-	118NLEB+67.00	18.17	LT	-	-	-	142	-	-	-
		117NLWB+85.59	-	121NLWB+18.59	25.37	RT	-	-	335	-	-	-	-
		118NLWB+34.03	-	119NLWB+85.63	34.03	LT	-	-	152	-	-	-	-
		118NLEB+67.00	-	121NLEB+85.00	16.50	LT	-	-	319	-	-	-	-
		SUBTOTAL					156	-	1858	5338	888	58	139

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CONCRETE CURB & GUTTER

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	601.0115 CONCRETE CURB TYPE G LF	601.0205 CONCRETE GUTTER 24-INCH LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0452 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF
	W. NORTHLAND AVENUE												
		119NLWB+85.63	-	121NLWB+18.59	19.50	LT	-	-	-	134	-	-	-
		119NLEB+46.29	-	121NLEB+85.00	17.50	RT	-	-	239	-	-	-	-
	RAMP A												
		1591NLA+78.26	-	1594NLA+02.11	29.00	RT	-	-	-	263	-	-	-
		1591NLA+26.07	-	1594NLA+85.27	5.00	LT	-	-	-	353	-	-	-
		1590NLAA+00.00	-	1594NLAA+85.27	17.00	RT	-			435			
		1590NLAA+93.24	-	1591NLAA+14.32	30.00	RT	-	-	-	-	31	-	-
		1590NLAA+37.91	-	1593NLAA+98.03	2.00	LT	-	-	-	369	-	-	-
		1591NLAA+03.24	-	1591NLAA+13.79	19.50	RT	-	-	-	-	-	-	20
		1591NLAA+03.24	-	1591NLAA+13.13	4.50	LT	-	-	-	-	-	-	20
	RAMP B												
		1588NLB+31.37	-	1591NLB+30.64	17.25	LT	-	-	-	275	-	-	-
		1588NLBB+31.37	-	1591NLBB+95.03	17.00	RT	-	-	-	349	-	-	-
		1589NLB+06.91	-	1590NLB+73.91	15.00	RT	-	-	-	163	-	-	-
		1589NLBB+24.69	-	1591NLBB+29.41	16.14	LT	-	-	-	218	-	-	-
		1591NLBB+11.05	-	1591NLBB+21.19	19.78	LT	-	-	-	-	-	23	-
		1591NLBB+49.13	-	1591NLBB+73.32	19.50	RT	-	-	-	-	-	-	44
	RAMP C												
		1587NLC+77.30	-	1590NLC+91.99	3.00	RT	-	-	305	-	-	-	-
		1587NLC+77.30	-	1588NLC+07.53	29.00	LT	-	-	-	31	-	-	-
		1589NLC+59.40	-	1590NLC+55.74	15.00	LT	-	-	-	117	-	-	-
		1589NLCC+62.72	-	1592NLCC+89.97	2.00	RT	-	-	-	330	-	-	-
		1591NLCC+15.32	-	1592NLCC+21.47	15.00	RT	-	100	-	-	-	-	-
		1592NLCC+21.96	-	1592NLCC+31.96	17.50	LT	-	-	-	-	-	20	-
		1592NLCC+21.96	-	1592NLCC+31.96	4.50	RT	-	-	-	-	-	20	-
		1592NLCC+31.96	-	1592NLCC+21.46	28.00	LT	-				24		
	RAMP D												
		1591NLD+69.88	-	1593NLD+62.33	17.00	LT	-	-	-	211	-	-	-
		1591NLD+50.52	-	1594NLD+03.82	17.00	RT	-	-	-	234	-	-	-
		1589NLDD+77.34	-	1594NLDD+23.11	18.00	LT	-	-	-	428			
		1589NLDD+77.41	-	1590NLDD+17.66	20.50	LT	-	-	-	-	-	-	67
		1590NLDD+53.53	-	1590NLDD+65.55	19.50	RT	-	-	-	-	-	-	27
		1590NLDD+47.83	-	1593NLDD+65.81	15.00	RT	-	-	-	331	-	-	-
		SUBTOTAL					--	100	544	4,241	55	63	178
		PROJECT 1130-64-76 TOTAL					**156**	**100**	**2,410**	**9,580**	**943**	**121**	**317**

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 478	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1

CONCRETE BARRIER

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	603.1142 CONCRETE BARRIER TYPE S42 LF	SPV.0090.0150 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE LF	603.8500* ANCHORING CONCRETE BARRIER TEMPORARY PRECAST LF	SPV.0060.0165 EMERGENCY RESPONSE TO TRAFFIC INVOLVING CONCRETE BARRIER TEMPORARY EACH	SPV.0060.0170 EMERGENCY RESPONSE TO TRAFFIC INVOLVING CRASH CUSHIONS TEMPORARY EACH
1000		**IH 41**									
		564NBT+19.96	-	569NBT+00.00	21.00	LT	-	480	-	-	-
		569NB+00.00	-	672NB+55.51	21.00	LT	-	10388	-	-	-
		572SB+56.95	-	673SB+44.49	3.18	RT	-	10085	-	-	-
		578NB+71.55	-	593NB+85.99	17.00	RT	-	1515	-	-	-
		578NB+71.55	-	-	10.00	RT	-	-	13	-	-
		585SB+00.00	-	603SB+95.56	28.00	LT	-	1903	-	-	-
		589NB+50.00	-	591NB+50.00	20.00	LT	-	-	200	-	-
		604SB+44.00	-	-	25.95	LT	-	-	13	-	-
		616NB+43.85	-	620NB+00.00	30.00	RT	-	354	-	-	-
		615SB+70.00	-	622SB+10.42	28.72	LT	-	646	-	-	-
		621SB+98.58	-	-	28.92	LT	-	-	13	-	-
		667NB+25.00	-	668NB+25.00	24.26	LT	-	-	100	-	-
		672NBT+55.51	-	679NBT+16.33	25.00	LT	-	662	-	-	-
		673SB+44.49	-	-	0.70	LT	-	-	13	-	-
		W. NORTHLAND AVENUE									
		98NLEB+85.52	-	99NLEB+82.87	32.03	RT	96	-	-	-	-
		99NLEB+45.21	-	100NLEB+00.73	37.00	LT	58	-	-	-	-
		99NLWB+42.37	-	100NLEWB+23.30	17.51	RT	83	-	-	-	-
		109NLWB+45.86	-	109NLWB+85.86	21.00	LT	40	-	-	-	-
		116NLEB+63.04	-	117NLEB+26.03	18.93	LT	63	-	-	-	-
		117NLWB+22.36	-	117NLWB+85.85	32.54	RT	66	-	-	-	-
		117NLWB+22.60	-	118NLWB+35.19	37.86	LT	109	-	-	-	-
		RAMP A									
		1596NLA+60.27	-	1599NLA+97.39	47.00	RT	331	-	-	-	-
		1599NLAT+97.39	-	1616NLAT+36.74	17.00	RT	-	1624	-	-	-
		RAMP B									
		1574NLBT+11.10	-	1575NLBT+01.56	18.00	RT	-	90	-	-	-
		1574NLBT+11.10	-	-	19.00	RT	-	-	13	-	-
		1584NLB+35.16	-	1585NLB+03.00	42.97	RT	68	-	-	-	-
		1584NLB+35.95	-	1585NLB+03.00	15.00	LT	68	-	-	-	-
		RAMP D									
		1590NLD+52.17	-	1591NLD+50.52	46.14	RT	86	-	-	-	-
		1596NLD+97.00	-	1597NLD+65.07	16.00	RT	68	-	-	-	-
		1596NLD+97.00	-	1600NLD+25.00	44.00	LT	329	-	-	-	-
		SUBTOTAL					1465	27747	365	0	0
		UNDISTRIBUTED					0	0	0	5	5
		TOTAL					**1,470**	**27,800**	**365**	**5**	**5**

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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ID 1130-64-76
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PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 481	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1 WISDOT/CADDS SHEET 42

CRASH CUSHIONS TEMPORARY LEFT IN PLACE

PROJECT	CATEGORY	INSTALLED	ROADWAY	STATION	OFFSET	SPV.0060.0150 CRASH CUSHIONS TEMPORARY LEFT IN PLACE EACH	614.0905 CRASH CUSHIONS TEMPORARY EACH	BACK WIDTH LF	OBJECT MARKING PATTERN	CRASH TEST LEVEL	DIRECTION OF TRAVEL	TRAFFIC LOCATION	CRASH CUSHION SHIELD
1130-64-76	1000												
		STAGE 3	IH 41 NB	578NB+71.55	10.00' RT	1	-	2	OM-3C (W05-58M SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER SHOULDER
			IH 41 SB	604SB+22.29	27.10' LT	1	-	2	OM-3C (W05-58M SIGN PLATE)	TL-3	BIDIRECTIONAL	LEFT & RIGHT	TEMPORARY CONCRETE BARRIER SHOULDER
			IH 41 SB	673SB+44.49	0.70' RT	1	-	2	OM-3L (W05-58L SIGN PLATE)	TL-3	UNDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER SHOULDER
			IH 41 SB	622SB+37.13	29.44' LT	1	-	2	OM-3R (W05-58R SIGN PALTE)	TL-3	UNDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER SHOULDER
		3	~~RAMP A TEMP~~	~~1614NLAT+98.58~~	~~15.68' RT~~				~~OM-3R (W05-58R SIGN PLATE)~~	~~TL-3~~	~~UNDIRECTIONAL~~	~~LEFT~~	~~TEMPORARY CONCRETE BARRIER SHOULDER~~
			RAMP B TEMP	1574NLBT+11.10	19.00' RT	1	1	2	OM-3R (W05-58R SIGN PLATE)	TL-3	UNDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER SHOULDER
		3	RAMP D TEMP	1603NLDT+79.04	3.75' RT	-	1	2	OM-3C (W05-58M SIGN PLATE)	TL-3	UNDIRECTIONAL	LEFT & RIGHT	TEMPORARY CONCRETE BARRIER SHOULDER
	PROJECT 1130-64-76 TOTAL					3 **5**	**2**						

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SALVAGED TOPSOIL

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY
1000	**W. NORTHLAND AVENUE**					
		95NLEB+00.00	-	103NLEB+00.43	RT	6630
		98NLEB+01.94	-	100NLEB+11.81	LT	433
		98NLWB+00.02	-	101NLWB+90.94	LT	6375
		100NLEB+80.53	-	107NLEB+30.58	LT	1502
		109NLEB+34.90	-	111NLEB+49.69	LT	396
		112NLEB+48.00	-	121NLEB+02.21	LT	2895
		114NLEB+30.53	-	120NLEB+22.16	RT	10308
		114NLWB+45.40	-	121NLWB+64.99	LT	4398
	RAMP A					
		1591NLA+25.64	-	1599NLA+97.39	RAMP A	23175
		1599NLAT+97.39	-	1616NLAT+36.74	RAMP A TEMP	5291
	RAMP B					
		1574NLBT+01.46	-	1578NLBT+77.46	RAMP B TEMP	1889
		1578NLB+77.46	-	1592NLB+03.79	RAMP B	30667
	RAMP C					
		1583NLC+00.00	-	1590NLC+98.53	RAMP C	18733
	RAMP D					
		1590NLD+14.77	-	1600NLD+25.00	RAMP D	27405
	IH 41					
		564NBT+20.00	-	569NBT+00.00	IH 41 NB INTERIM	955
		569NB+00.00	-	672NB+55.51	IH 41 NB	25404
		672NBT+55.51	-	681NBT+99.88	IH 41 NB INTERIM	659
	SUBTOTAL					167115
	PROJECT 1130-64-76 TOTAL					**167,120**

3

3

Addendum No. 03
ID 1130-64-76
Revised Sheet 489
February 8, 2024

INTERIM PAVEMENT MARKINGS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	LOCATION	646.2020* MARKING LINE EPOXY 6-INCH (YELLOW) LF	646.2020* MARKING LINE EPOXY 6-INCH (WHITE) LF	646.2020* MARKING LINE EPOXY 6-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP) LF	646.2020* MARKING LINE EPOXY 6-INCH (DASHED WHITE) (3FT LINE 9 FT SKIP) LF
1000		**IH 41**								
		564NB+20.06	-	682NB+18.39	11.25	LT	11827	-	-	-
		564NB+20.19	-	682NB+18.13	0.75	RT	-	-	2952	-
		564NB+20.32	-	571NB+11.00	12.75	RT	-	-	-	173
		564NB+20.44	-	571NB+60.71	24.75	RT	-	741	-	-
		571NB+10.99	-	682NB+17.87	7.00	RT	-	11078	-	-
		~~618NB+73.81~~		~~682NB+17.87~~	~~8.02~~	~~RT~~	-	-	-	-
		RAMP A								
		599NB+95.27	-	604NB+94.42	91.05	RT	496	-	-	-
		600NB+01.47	-	614NB+06.22	119.01	RT	-	1391	-	-
		~~602NB+25.19~~	-	~~609NB+62.86~~	~~50.20~~	~~RT~~	-	-	-	-
		604NB+94.42	-	611NB+02.92	37.00	RT	-	-	-	602
		RAMP B								
		571NB+60.71	-	578NB+75.30	19.00	RT	-	717	-	-
		571NB+70.00	-	578NB+76.62	7.00	RT	-	717	-	-
		SUBTOTAL					12323	14644	2952	775
		TOTAL					**27000**		**3730**	

*ADDITIONAL QUANITIES SHOWN ELSEWHERE

Addendum No. 03
ID 1130-64-76
Revised Sheet 496
February 8, 2024

TRAFFIC SIGNALS

CATEGORY	LOCATION	656.0201 Electrical Service Meter Breaker Pedestal IH 41 NB & STH 15 (S44-0664) EACH	657.0100* Pedestal Bases EACH	657.0255* Transformer Bases Breakaway 11 1/2-Inch Bolt Circle EACH	657.0315* Poles Type 4 EACH	657.0420* Traffic Signal Standards Aluminum 13-FT EACH	657.0430* Traffic Signal Standards Aluminum 10-FT EACH
1300	IH 41 NB & STH 15 (S44-0664)	1	6	6	6	3	3
	TOTALS	**1**	**6**	**6**	**6**	**3**	**3**

TRAFFIC SIGNALS

CATEGORY	LOCATION	657.0352* Poles Type 10 Special EACH	657.0360 Poles Type 13 EACH	657.0536* Monotube Arms 35-FT Special EACH	657.0550 Monotube Arms 50-FT EACH	658.0173* Traffic Signal Face 3S 12-Inch EACH
1300	IH 41 NB & STH 15 (S44-0664)	1	1	1	1	15
	TOTALS	**1**	**1**	**1**	**1**	**15**

TRAFFIC SIGNALS

CATEGORY	LOCATION	~~658.0412*~~ ~~Pedestrian Signal Face 12-inch~~	658.0416* Pedestrian Signal Face 16-inch EACH	658.0500* Pedestrian Push Buttons EACH	658.5070.0001 Signal Mounting Hardware IH 41 NB & STH 15 (S44-0664) EACH	SPV.0060.0601 Remove Traffic Signal IH 41 NB & STH 15 (S44-0664) EACH	659.5000.S* Lamp, Ballast, LED, Switch Disposal by Contractor EACH
1300	IH 41 NB & STH 15 (S44-0664)	~~6~~	6	6	1	1	39
	TOTALS	**~~6~~**	**6**	**6**	**1**	**1**	**39**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 03
ID 1130-64-76
Revised Sheet 538
February 8, 2024

TRAFFIC SIGNALS

CATEGORY	LOCATION	656.0201 Electrical Service Meter Breaker Pedestal IH 41 SB & STH 15 (S44-0665) EACH	657.0100* Pedestal Bases EACH	657.0255* Transformer Bases Breakaway 11 1/2-Inch Colt Circle EACH	657.0315* Poles Type 4 EACH	657.0420* Traffic Signal Standards Aluminum 13-FT EACH	657.0430* Traffic Signal Standards Aluminum 10-FT EACH
1300	IH 41 SB & STH 15 (S44-0665)	1	5	5	5	4	1
	TOTALS	**1**	**5**	**5**	**5**	**4**	**1**

TRAFFIC SIGNALS

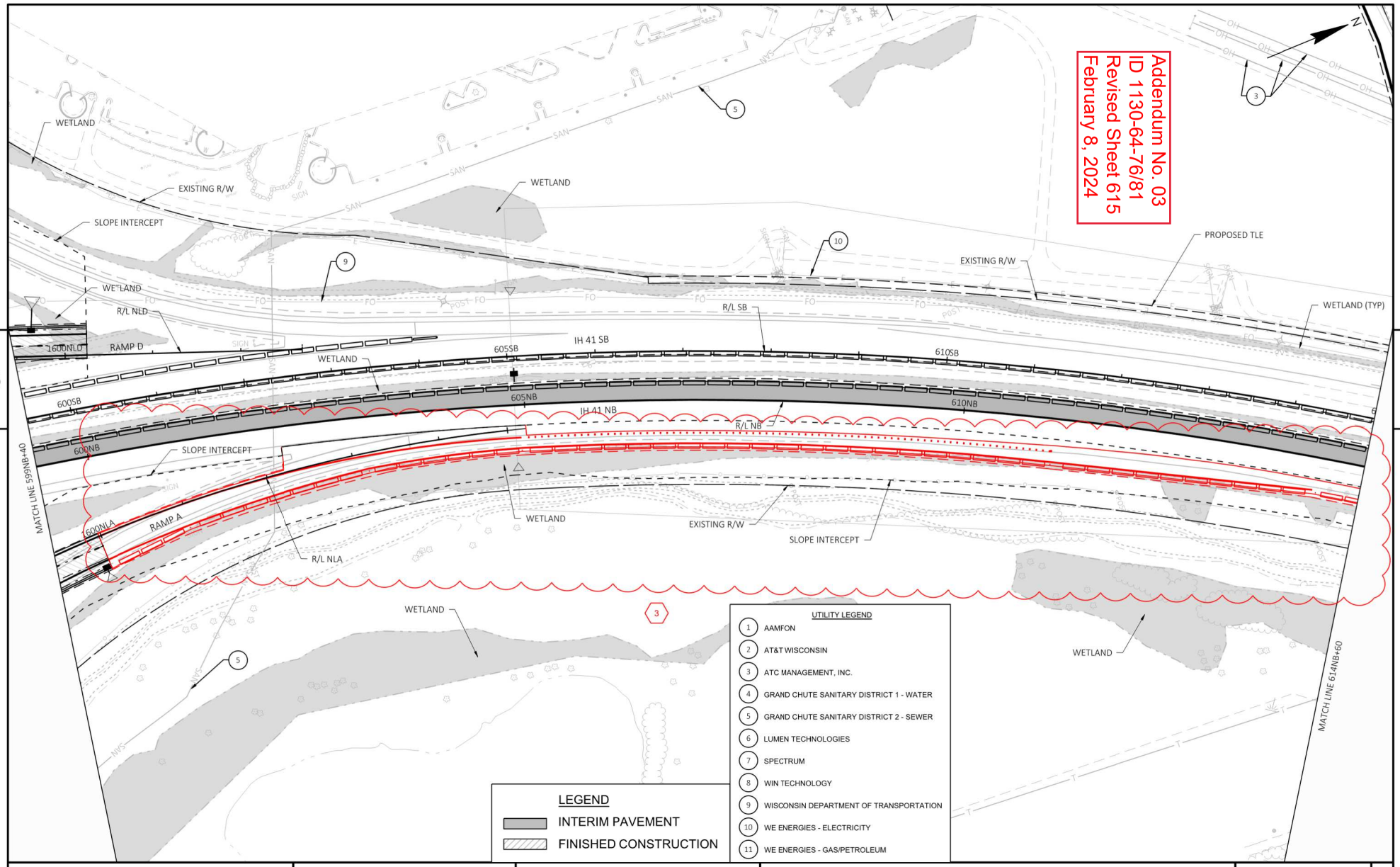
CATEGORY	LOCATION	657.0347 Poles Type 9 Special EACH	657.0350 Poles Type 10 EACH	657.0352* Poles Type 10 Special EACH	657.0530 Monotube Arms 30-FT EACH	657.0536* Monotube Arms 35-FT Special EACH	658.0173* Traffic Signal Face 3S 12-Inch EACH
1300	IH 41 SB & STH 15 (S44-0665)	1	1	1	1	2	16
	TOTALS	**1**	**1**	**1**	**1**	**2**	**16**

TRAFFIC SIGNALS

CATEGORY	LOCATION	~~658.0412*~~ ~~Pedestrian Signal Face 12-Inch~~	658.0416* Pedestrian Signal Face 16-inch	658.0500* Pedestrian Push Buttons	658.5070.0002 Signal Mounting Hardware IH 41 SB & STH 15 (S44-0665) EACH	SPV.0060.0600 Remove Traffic Signal IH 41 SB & STH 15 (S44-0665) EACH	659.5000.S* Lamp, Ballast, LED, Switch Disposal by Contractor EACH
1300	IH 41 SB & STH 15 (S44-0665)	~~6~~	6	6	1	1	39
	TOTALS	**~~6~~**	**6**	**6**	**1**	**1**	**39**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

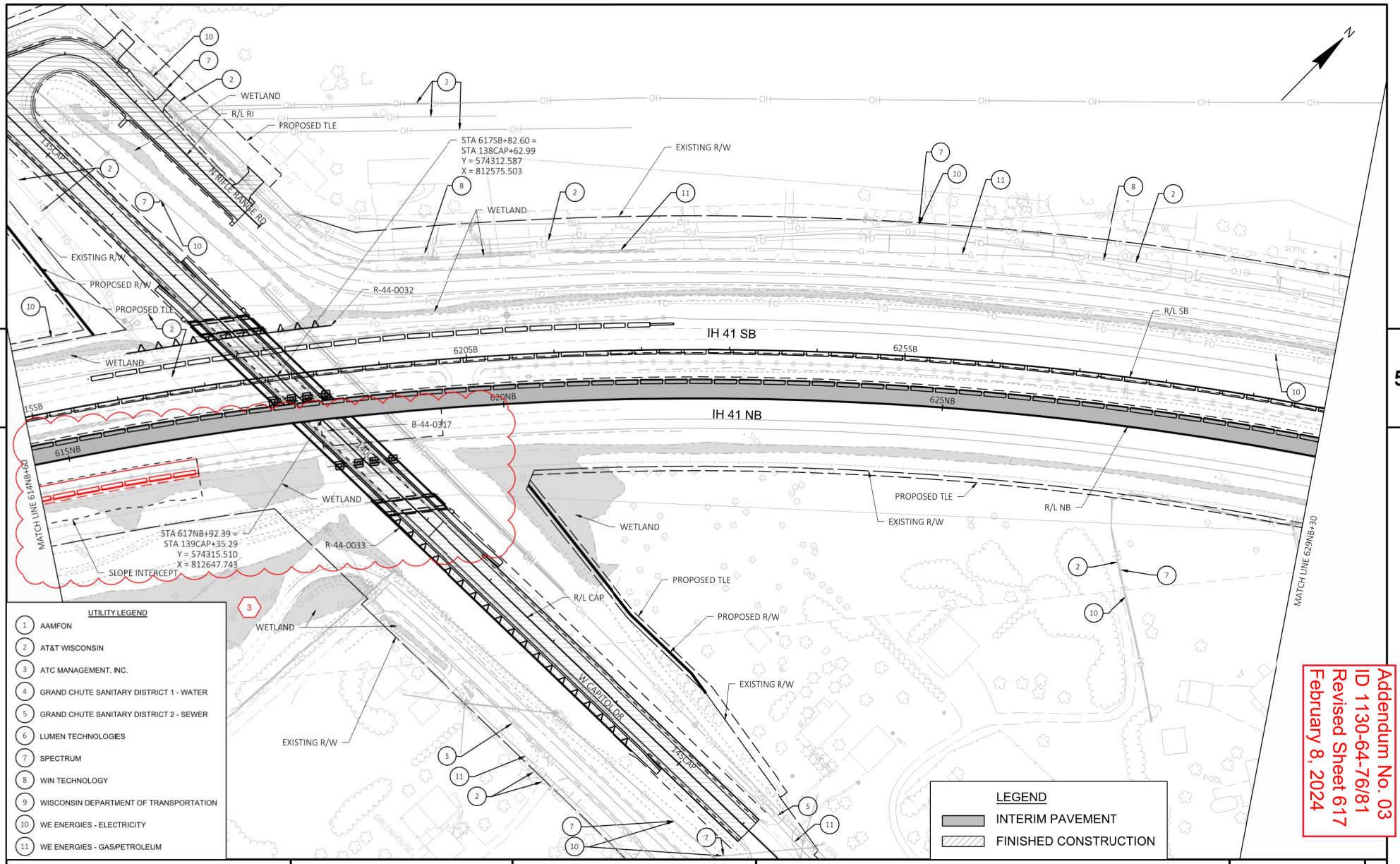
Addendum No. 03
ID 1130-64-76
Revised Sheet 546
February 8, 2024



PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 - MAINLINE - INTERIM	SHEET 615	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\050103-TEMP-PP.DWG
LAYOUT NAME - 7
PLOT DATE : 2/6/2024 12:20 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

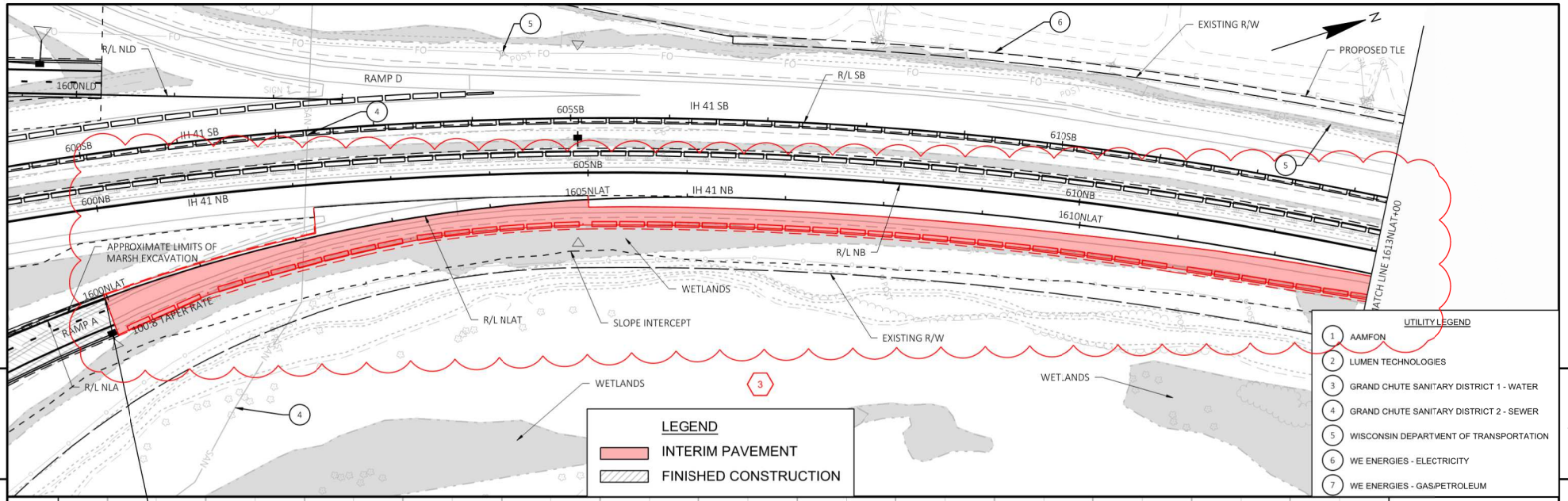
WISDOT/CADDS SHEET 44

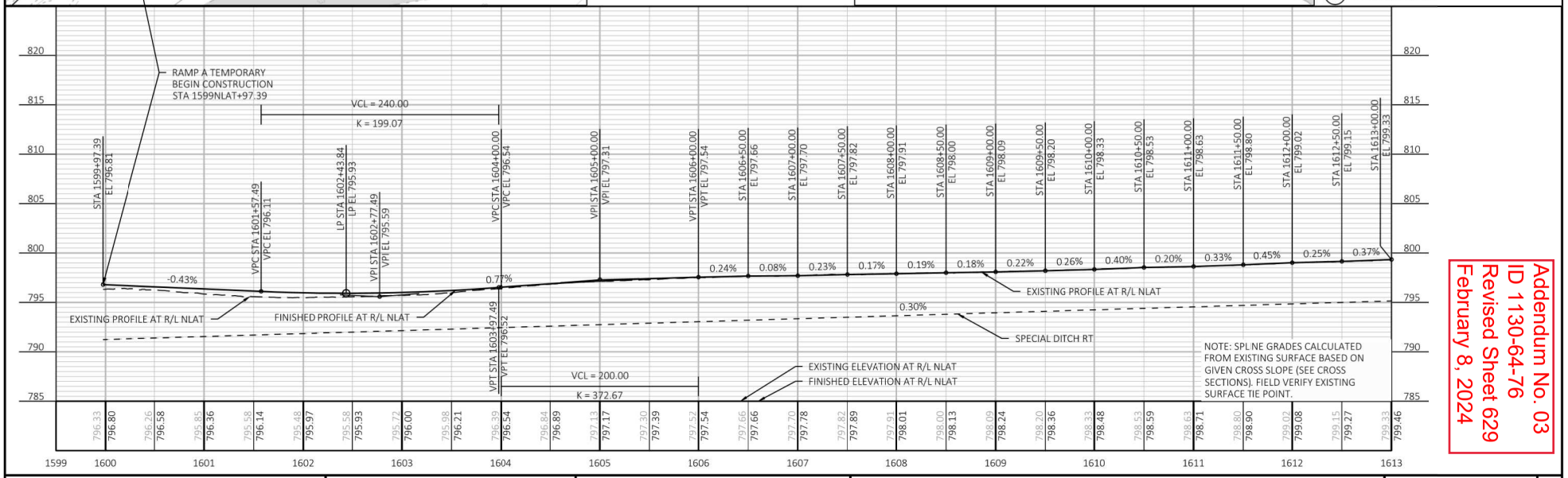


Addendum No. 03
ID 1130-64-76/81
Revised Sheet 617
February 8, 2024

PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN AND PROFILE: IH 41 - MAINLINE - INTERIM	SHEET 617	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\050103-TEMP-PP.DWG
LAYOUT NAME - 9
PLOT DATE : 2/6/2024 5:12 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

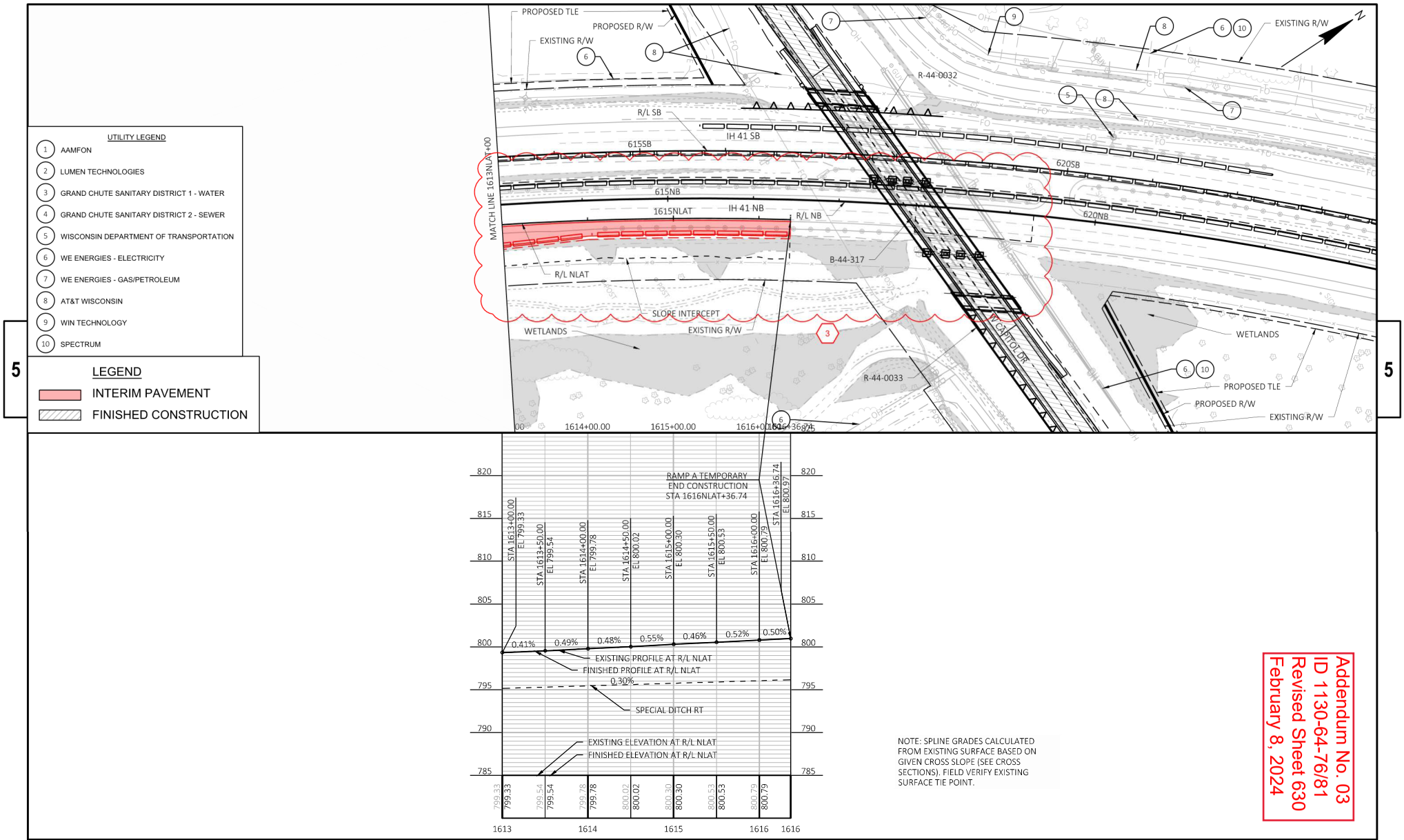




Addendum No. 03
ID 1130-64-76
Revised Sheet 629
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN AND PROFILE: W NORTHLAND AVENUE - RAMP A INTERIM	SHEET 629	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\050109-TEMP-PP.DWG
LAYOUT NAME - 1
PLOT DATE : 2/6/2024 12:32 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

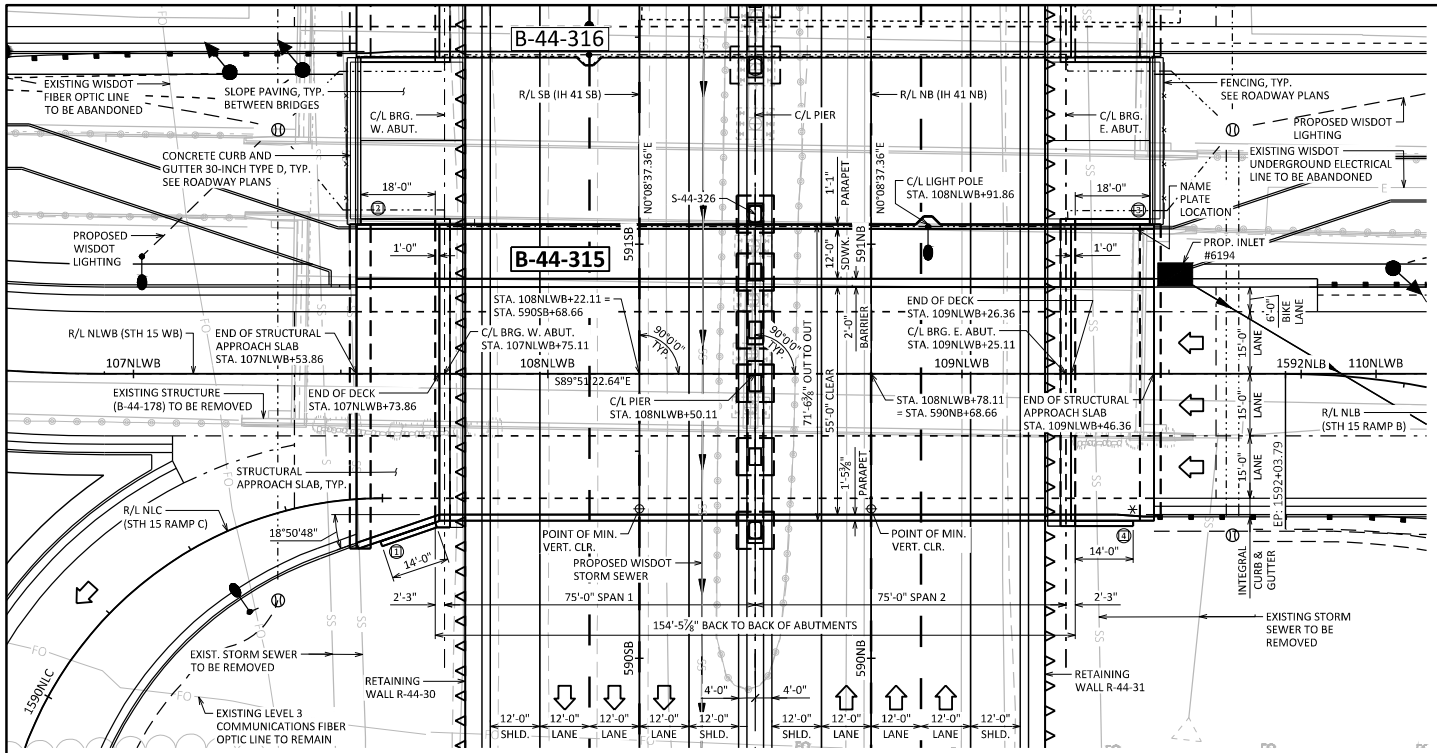


NOTE: SPLINE GRADES CALCULATED FROM EXISTING SURFACE BASED ON GIVEN CROSS SLOPE (SEE CROSS SECTIONS). FIELD VERIFY EXISTING SURFACE TIE POINT.

Addendum No. 03
ID 1130-64-76/81
Revised Sheet 630
February 8, 2024

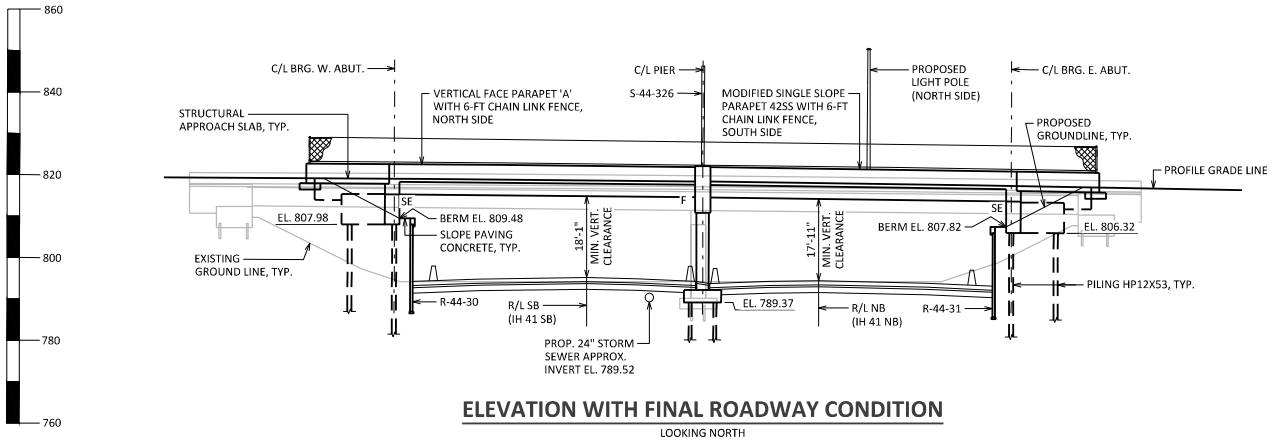
PROJECT NO: 1130-64-76/81	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN AND PROFILE: W NORTHLAND AVENUE - RAMP A INTERIM	SHEET 630	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\050109-TEMP-PP.DWG
LAYOUT NAME - 2
PLOT DATE : 2/6/2024 5:19 PM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PLAN

2 SPANS - 36W" PRESTRESSED CONCRETE GIRDERS



ELEVATION WITH FINAL ROADWAY CONDITION

LOOKING NORTH

STATE PROJECT NUMBER

1130-64-76

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. GENERAL NOTES & QUANTITIES
4. PROFILE GRADE LINES
5. INTERIM ELEVATION
6. STRUCTURE EXCAVATION & BACKFILL
7. SUBSURFACE EXPLORATION
8. WEST ABUTMENT
9. WEST ABUTMENT WING 1 DETAILS
10. WEST ABUTMENT WING 2 DETAILS
11. WEST ABUTMENT DETAILS
12. EAST ABUTMENT
13. EAST ABUTMENT WING 3 DETAILS
14. EAST ABUTMENT WING 4 DETAILS
15. EAST ABUTMENT DETAILS
16. ABUTMENT DETAILS
17. PIER
18. PIER COLUMNS
19. PIER CAP
20. PIER BILL OF BARS
21. 36W" PRESTRESSED GIRDER
22. 36W" PRESTRESSED GIRDER DETAILS
23. SUPERSTRUCTURE FRAMING PLAN
24. STEEL DIAPHRAGM
25. SUPERSTRUCTURE PLAN
26. SUPERSTRUCTURE CROSS SECTION
27. SUPERSTRUCTURE DETAILS
28. SUPERSTRUCTURE BILL OF BARS
29. LIGHT STANDARD DETAILS
30. WEST STRUCTURAL APPROACH SLAB
31. EAST STRUCTURAL APPROACH SLAB
32. STRUCTURAL APPROACH SLAB DETAILS & BILL OF BARS
33. MODIFIED SINGLE SLOPE PARAPET 42SS TRANSITION WITH STRUCTURAL APPROACH SLAB
34. MODIFIED SINGLE SLOPE PARAPET 42SS WITH STRUCTURAL APPROACH SLAB
35. SINGLE SLOPE CONCRETE BARRIER WITH STRUCTURAL APPROACH SLAB
36. VERTICAL FACE PARAPET 'A' WITH STRUCTURAL APPROACH SLAB
37. CONDUIT DETAILS
38. CHAIN LINK FENCE DETAILS
39. SLOPE PAVING (CONCRETE)
40. AESTHETIC DETAILS (1 OF 2)
41. AESTHETIC DETAILS (2 OF 2)
42. ROAD NAME AESTHETIC DETAILS (3)

LEGEND

- LOCATION OF BEAM GUARD ATTACHMENT
- DIRECTION OF TRAFFIC
- (X) INDICATES WING NUMBER

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE
AARON BONK (608) 261-0261
CONSULTANT
PAT CASHIN (414) 359-2300

Addendum No. 03
ID 1130-64-76
Revised Sheet 917
February 8, 2024

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

ORIGINAL PLANS PREPARED BY

HNTB
250 E WISCONSIN AVE #2000
MILWAUKEE, WI 53202
(414) 359-2300

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN PROFESSIONAL ENGINEER
CARLEE HAYDEN
E-49622
MADISON, WI
FEB 6, 2024

STRUCTURE B-44-315

STH 15 WB OVER IH 41

COUNTY	TOWN/~~CITY/VILLAGE~~
OUTAGAMIE	GRAND CHUTE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
FEG	MSS	FEG	CVH

GENERAL PLAN & ELEVATION

SHEET 1 OF 42

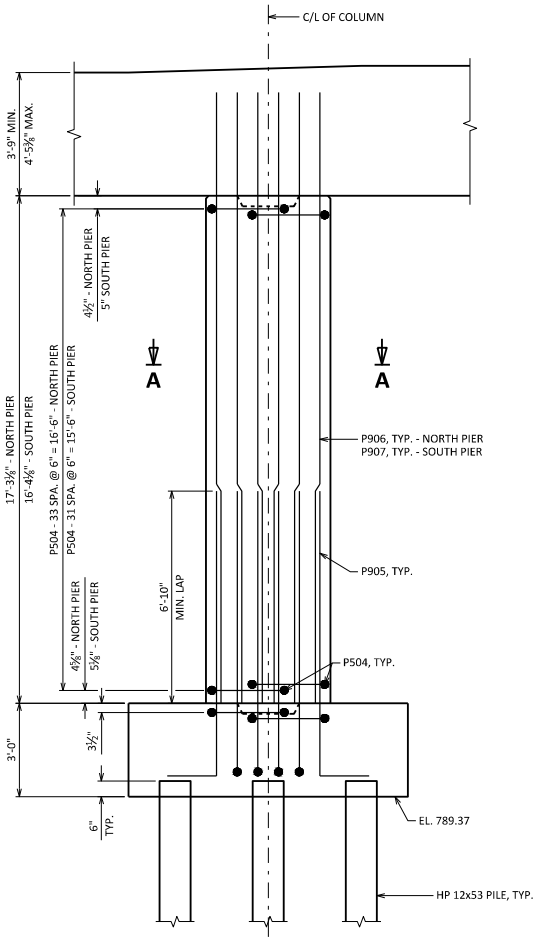
917

SCALE = 30.0

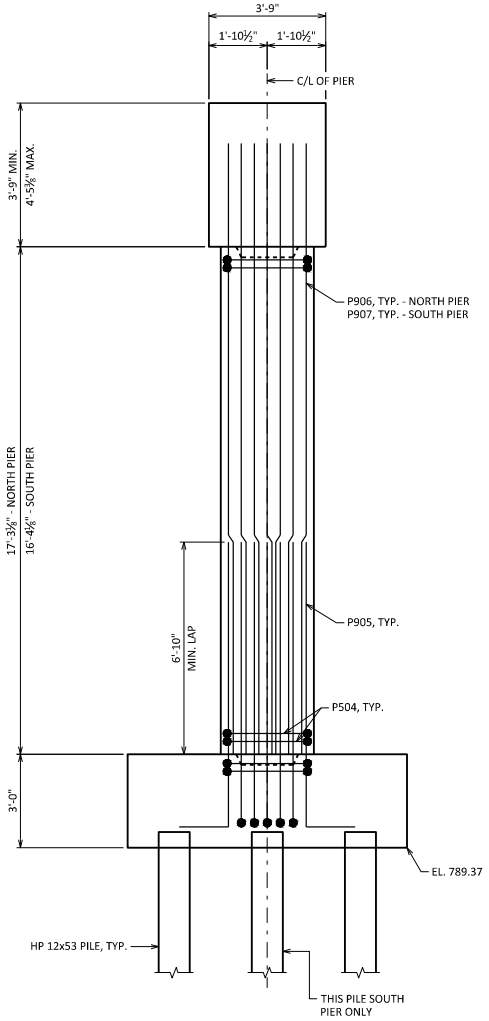
FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0315\SHEETS\B315_080101_GP_ADD3.DWG
LAYOUT NAME - General Plan & Elevation

SUBMITTAL: FINAL PSE DATE: NOV 1, 2023

STATE PROJECT NUMBER
1130-64-76

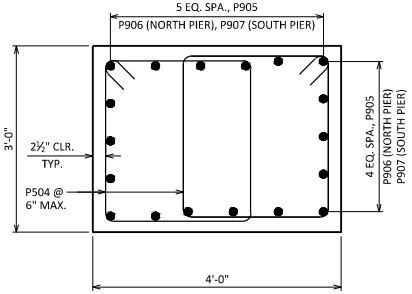


COLUMN ELEVATION

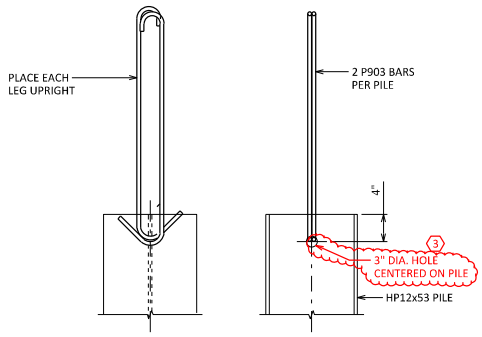


COLUMN ELEVATION - END VIEW

(LOOKING NORTH)



SECTION A-A



PILE HOLD DOWN DEVICE DETAIL

Addendum No. 03
ID 1130-64-76
Revised Sheet 934
February 8, 2024

WISCONSIN PROFESSIONAL ENGINEER
CARLEE V. HAYDEN
E-49822
MADISON, WI
FEB 6, 2024

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-315

DRAWN BY FEG | PLANS CK'D MSS

PIER COLUMNS

SHEET 18

934

SCALE = 4.0

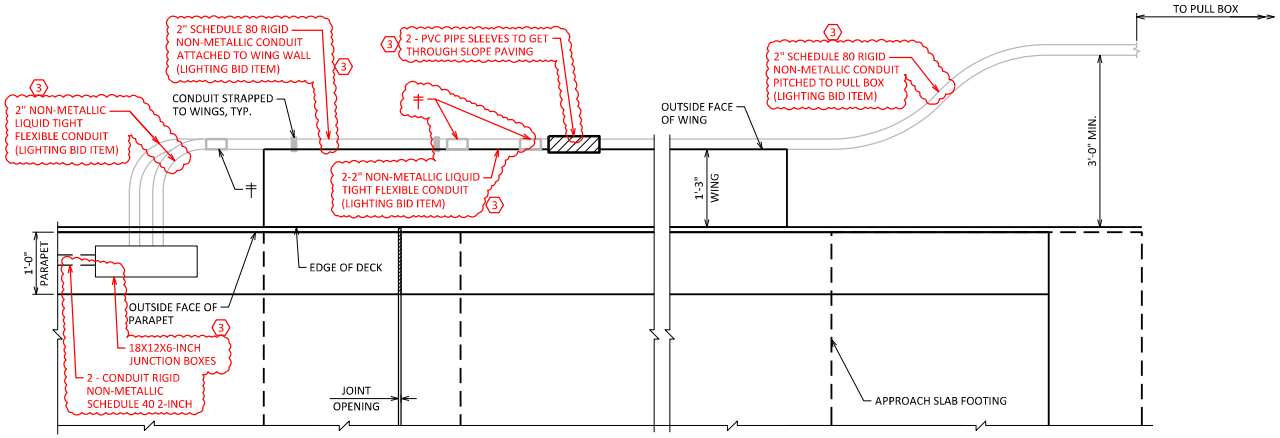
8

8

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0315\SHEETS\B315_080118_PR_ADD3.DWG
LAYOUT NAME - PIER COLUMNS

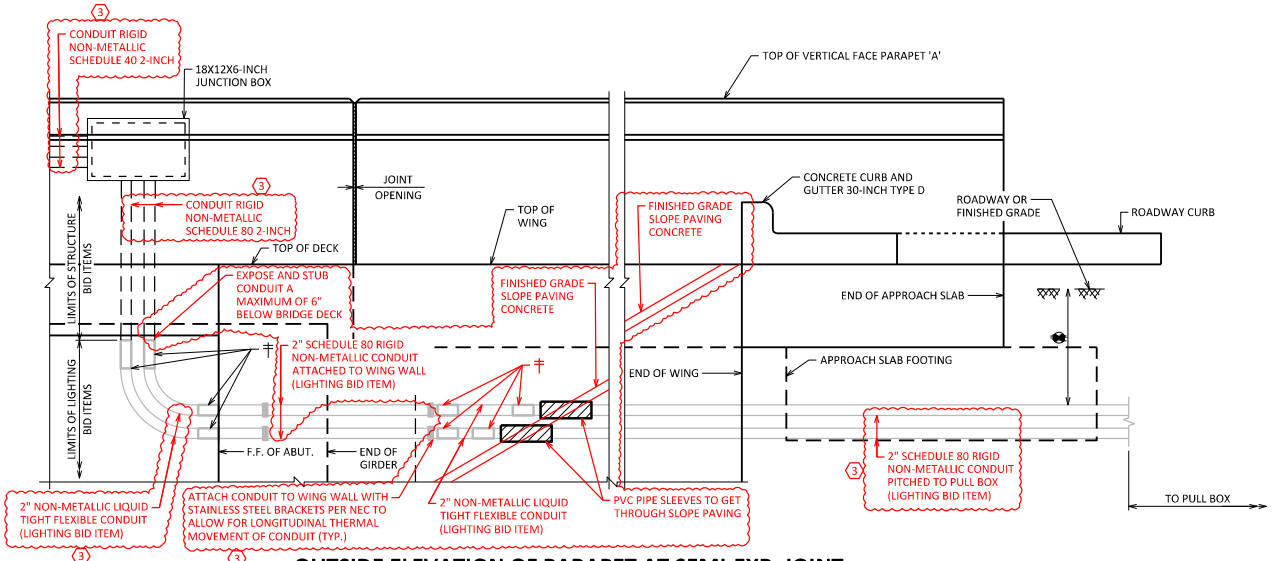
STATE PROJECT NUMBER
1130-64-76

Addendum No. 03
ID 1130-64-76
Revised Sheet 953
February 8, 2024



PLAN OF PARAPET AT SEMI-EXP JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(NORTH PARAPET ONLY)



OUTSIDE ELEVATION OF PARAPET AT SEMI-EXP. JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(NORTH ENDS)

LEGEND

‡ (3) 2" RIGID NON-METALLIC FEMALE ADAPTER (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).

2'-0" MIN. CONDUIT COVER UNDER ROADWAYS, 1'-6" OTHERWISE. CONDUIT COVER SHOULD NOT EXCEED 3'-0".

(3)

NOTES

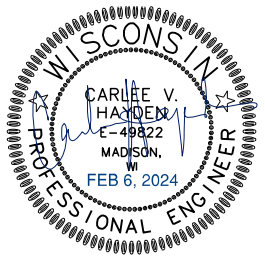
CONDUIT SHALL BE EMBEDDED 2" CLEAR.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

(3) LIGHTING BID ITEMS BEGIN WHERE CONDUIT STUBS OUT OF THE BOTTOM OF THE BRIDGE DECK AND CONTINUE TO THE PULL BOX.

SEE LIGHTING PLANS FOR ADDITIONAL NOTES AND SECTION VIEW.



NO.	DATE	REVISION	BY
(3)	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-315

DRAWN BY: FEG | PLANS CK'D: JWO

CONDUIT DETAILS

SHEET 37

953

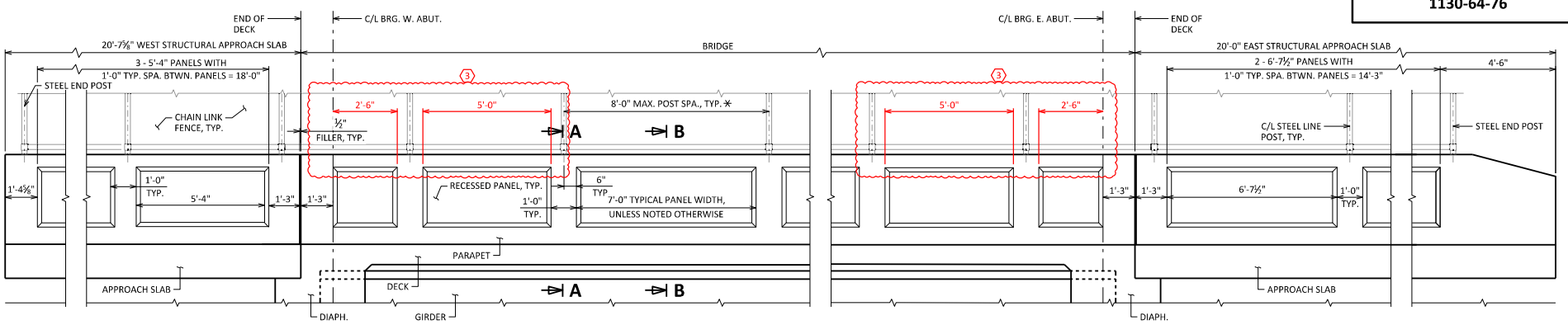
SCALE = 2.0

8

8

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0315\SHEETS\B315_080237_CON_ADD3.DWG
LAYOUT NAME - CONDUIT DETAILS

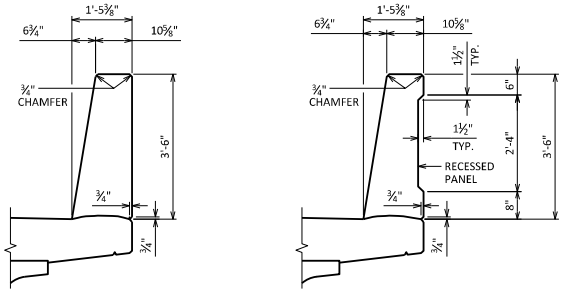
STATE PROJECT NUMBER
1130-64-76



OUTSIDE ELEVATION & PANEL LAYOUT AT SOUTH PARAPET

DIMENSIONS MEASURED ALONG OUTSIDE EDGE OF PARAPET
WORK WITH "CHAIN LINK FENCE DETAILS" SHEET AND PARAPET DETAILS ON THIS SHEET
✳ FOR STEEL LINE POST SPACING DETAILS SEE "AESTHETIC DETAILS (2 OF 2)" SHEET

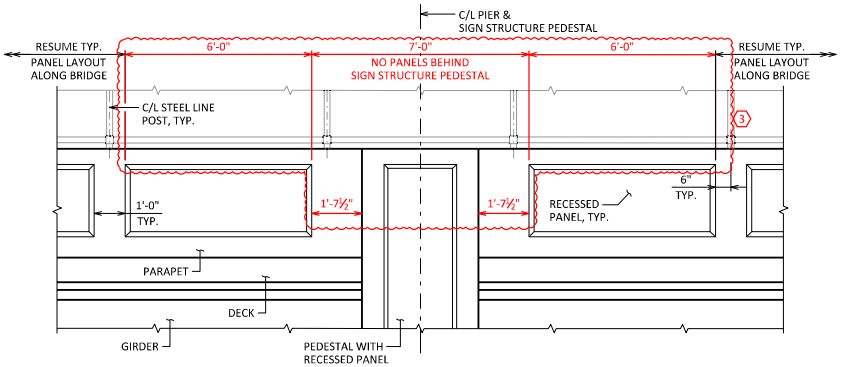
Addendum No. 03
ID 1130-64-76
Revised Sheet 956
February 8, 2024



SECTION A-A SECTION B-B

SECTIONS THRU MODIFIED SINGLE SLOPE PARAPET 42SS

FENCING ON TOP OF PARAPET AND CONDUIT NOT SHOWN FOR CLARITY



OUTSIDE ELEVATION AT SIGN STRUCTURE PEDESTAL AT PIER

DIMENSIONS MEASURED ALONG OUTSIDE EDGE OF PARAPET
WORK WITH "CHAIN LINK FENCE DETAILS" SHEET AND PARAPET DETAILS ON THIS SHEET
FOR STEEL LINE POST SPACING DETAILS AND PEDESTAL DETAILS SEE "AESTHETIC DETAILS (2 OF 2)" SHEET

NOTES

TYPICAL PANEL LAYOUT SHALL BE 7'-0" WIDE PANELS CENTERED BETWEEN STEEL LINE POSTS PLACED AT 8'-0" SPACING.

MAXIMUM STEEL POST SPACING SHALL BE 8'-0" PER WISDOT BM STD. 30.11 AND "CHAIN LINK FENCE DETAILS" SHEET.

PANEL LAYOUT AND POST SPACING SHALL BE ADJUSTED AT TRANSITIONS FROM BRIDGE TO APPROACH SLABS, ALONG APPROACH SLABS, AND NEAR SIGN STRUCTURE PEDESTALS AND LIGHT STANDARD.

NO AESTHETIC TREATMENTS AT NORTH PARAPET.

SEE "AESTHETIC DETAILS (2 OF 2)" AND "ROAD NAME AESTHETIC DETAILS" SHEETS FOR ADDITIONAL DETAILS.

WISCONSIN PROFESSIONAL ENGINEER
CARLEE V. HAYDEN
E-49822
MADISON, WI
FEB 6, 2024

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-315

DRAWN BY EAJ | PLANS CK'D CVH

AESTHETIC DETAILS (1 OF 2)

SHEET 40

956

SCALE = VARIES

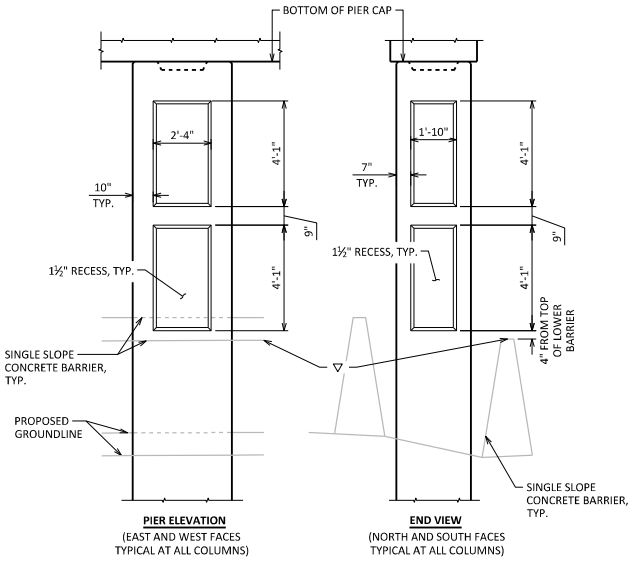
8

8

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0315\SHEETS\B315_080240_AE_ADD3.DWG
LAYOUT NAME - 315_Aesthetics1

Addendum No. 03
ID 1130-64-76
Revised Sheet 957
February 8, 2024

STATE PROJECT NUMBER
1130-64-76



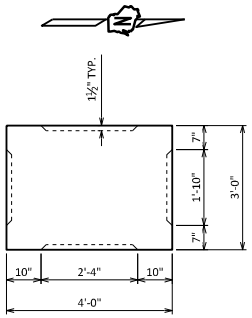
PIER ELEVATION
(EAST AND WEST FACES TYPICAL AT ALL COLUMNS)

END VIEW
(NORTH AND SOUTH FACES TYPICAL AT ALL COLUMNS)

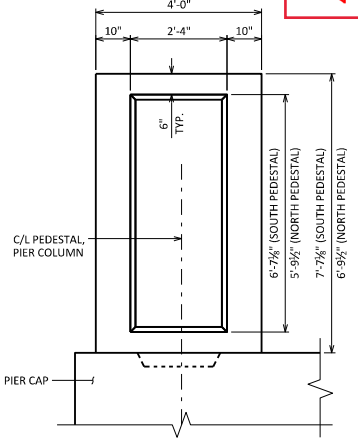
PIER COLUMN ELEVATIONS WITH FINAL ROADWAY CONDITION

NOTE

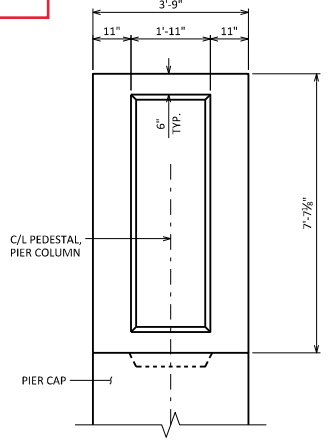
▽ TO DETERMINE FUTURE BARRIER ELEVATIONS REFER TO FINAL PROFILE GRADES ON "PROFILE GRADE LINES" SHEET.



SECTION THRU COLUMN



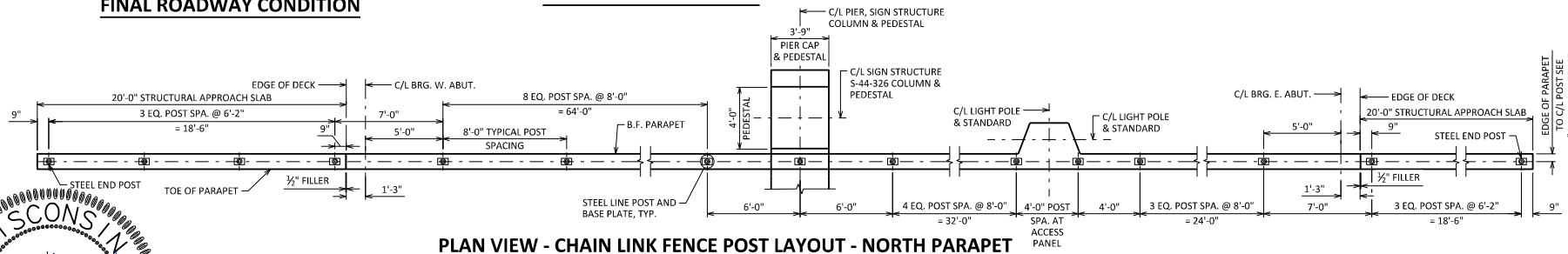
EAST & WEST FACES



SOUTH PEDESTAL - SOUTH FACE

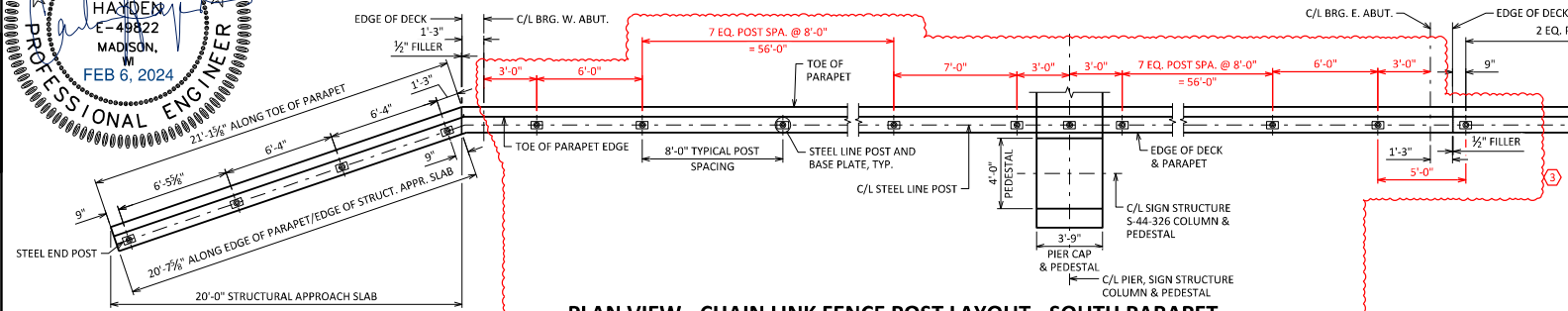
SECTIONS THRU PEDESTAL

(NO AESTHETICS ON FACES NOT SHOWN)



PLAN VIEW - CHAIN LINK FENCE POST LAYOUT - NORTH PARAPET

WORK WITH "CHAIN LINK FENCE DETAILS" SHEET AND PARAPET DETAILS ON "SUPERSTRUCTURE CROSS SECTION"



PLAN VIEW - CHAIN LINK FENCE POST LAYOUT - SOUTH PARAPET

WORK WITH "CHAIN LINK FENCE DETAILS" SHEET AND PARAPET DETAILS ON "AESTHETIC DETAILS (1 OF 2)"

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-315

DRAWN BY EAJ | PLANS CK'D CVH

AESTHETIC DETAILS (2 OF 2)

SHEET 41

957

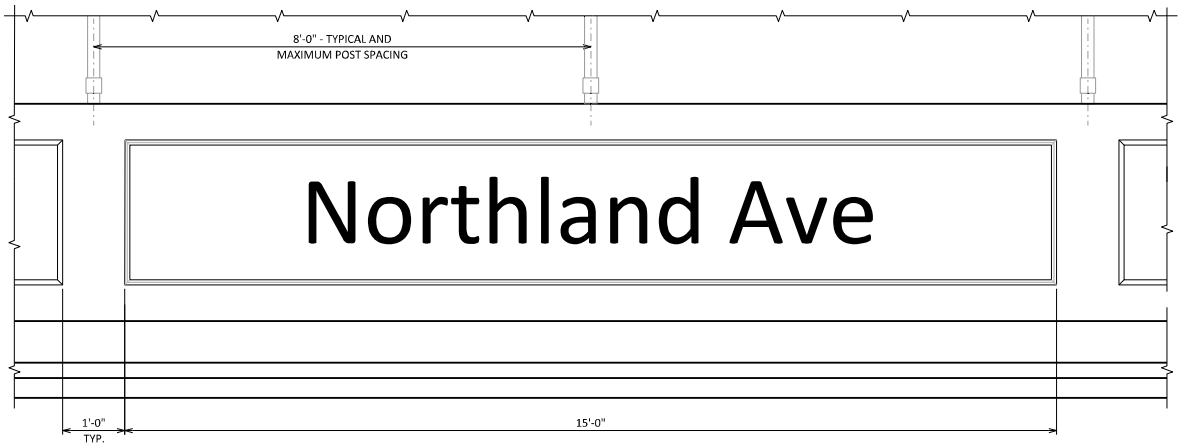
SCALE = VARIES

WISCONSIN PROFESSIONAL ENGINEER
CARLEE V. HAYDEN
E-49822
MADISON, WI
FEB 6, 2024

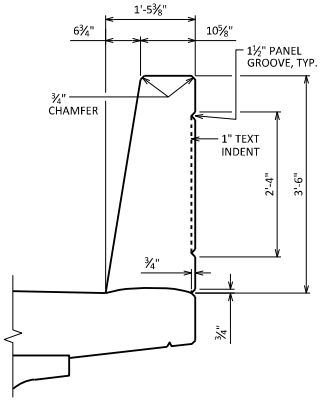
8 8

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0315\SHEETS\B315_080240_AE_ADD3.DWG
LAYOUT NAME - 315_Aesthetics2

STATE PROJECT NUMBER
1130-64-76

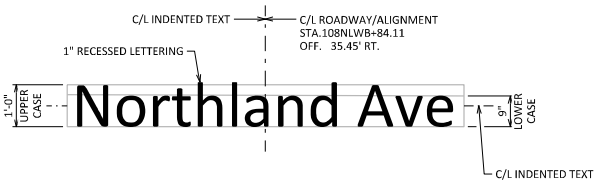


PARAPET ELEVATION AT ROAD NAME PANEL



MODIFIED SINGLE SLOPE PARAPET 42SS AT ROAD NAME PANEL

FENCING ON TOP OF PARAPET NOT SHOWN FOR CLARITY



ROAD NAME PANEL DETAILS

ROAD NAME PANEL NOTES:

1. PANEL RAISED AT ROAD NAME ONLY.
2. MAXIMUM POST SPACING IS 8'-0" - SEE "CHAIN LINK FENCE DETAILS".
3. SEE PARAPET SECTIONS FOR DIMENSION DETAILS.
4. LETTERING SHALL BE HELVETICA. 12" UPPER AND 9" LOWER CASE.
5. LETTERING SHALL BE CENTERED HORIZONTALLY AND VERTICALLY ON PARAPET.
6. LETTERING IS ONLY ON EXTERIOR FACE OF PARAPET.
7. FORMING OF LETTERING INCIDENTAL TO "HPC MASONRY STRUCTURES".
8. STAIN RECESSED LETTERING BLACK, AMS STANDARD COLOR #27038. INCIDENTAL TO "HPC MASONRY STRUCTURES".

Addendum No. 03
ID 1130-64-76
Added Sheet 957A
February 8, 2024

WISCONSIN
CARLEE V. HAYDEN
E-49822
MADISON, WI
FEB 6, 2024
PROFESSIONAL ENGINEER

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-315

DRAWN BY EAJ | PLANS CK'D CVH

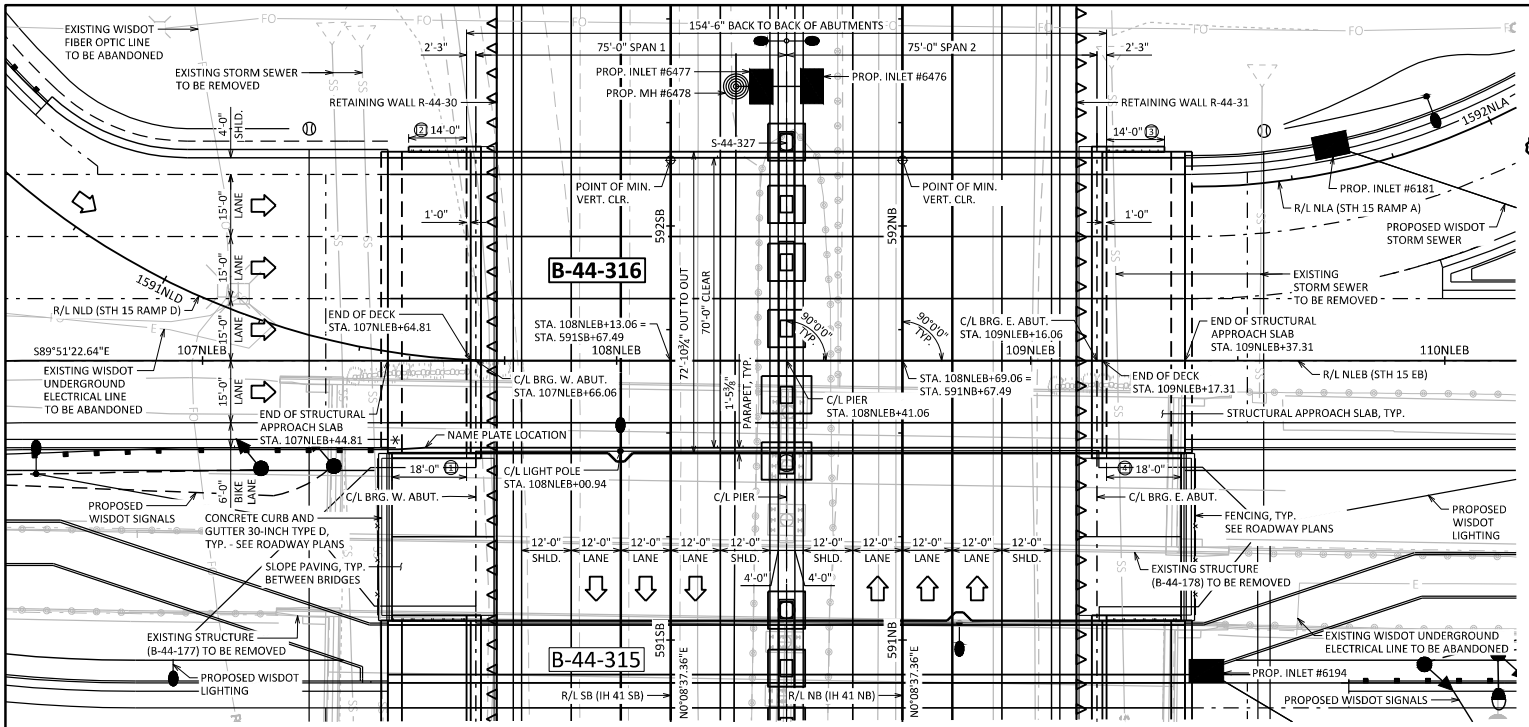
ROAD NAME AESTHETIC DETAILS

SHEET 42

957A

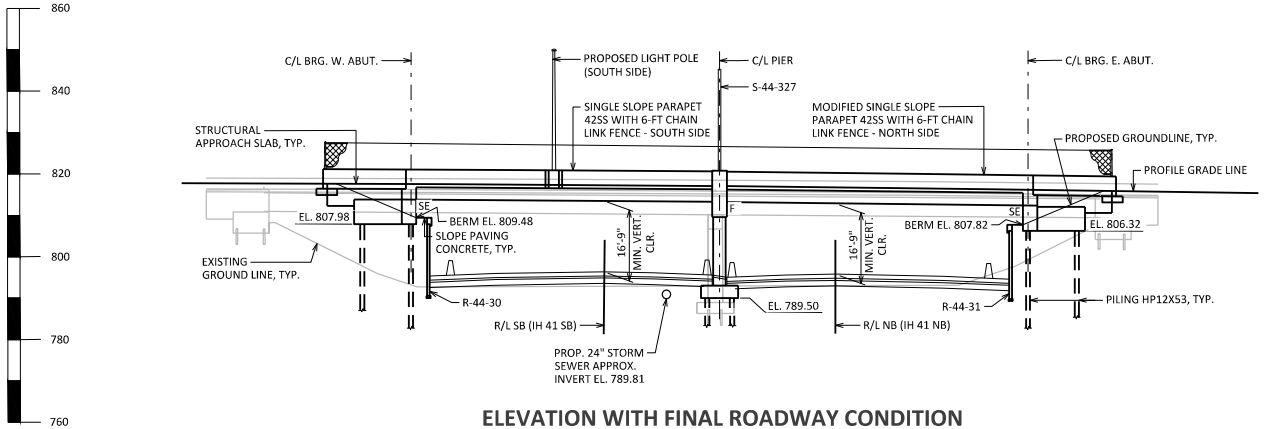
SCALE = VARIES

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0315\SHEETS\B315_080240_AE_ADD3.DWG
LAYOUT NAME - 315_Aesthetics3



PLAN

2 SPANS - 36W" PRESTRESSED CONCRETE GIRDERS



ELEVATION WITH FINAL ROADWAY CONDITION

LOOKING NORTH

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. GENERAL NOTES & QUANTITIES
4. PROFILE GRADE LINES
5. INTERIM ELEVATION
6. STRUCTURE EXCAVATION & BACKFILL
7. SUBSURFACE EXPLORATION
8. WEST ABUTMENT
9. WEST ABUTMENT WING 1 DETAILS
10. WEST ABUTMENT WING 2 DETAILS
11. WEST ABUTMENT DETAILS
12. EAST ABUTMENT
13. EAST ABUTMENT WING 3 DETAILS
14. EAST ABUTMENT WING 4 DETAILS
15. EAST ABUTMENT DETAILS
16. ABUTMENT DETAILS
17. PIER
18. PIER COLUMNS
19. PIER CAP
20. PIER BILL OF BARS
21. 36W" PRESTRESSED GIRDER
22. 36W" PRESTRESSED GIRDER DETAILS
23. SUPERSTRUCTURE FRAMING PLAN
24. STEEL DIAPHRAGM
25. SUPERSTRUCTURE PLAN
26. SUPERSTRUCTURE CROSS SECTION
27. SUPERSTRUCTURE DETAILS
28. SUPERSTRUCTURE BILL OF BARS
29. LIGHT STANDARD DETAILS
30. WEST STRUCTURAL APPROACH SLAB
31. EAST STRUCTURAL APPROACH SLAB
32. STRUCTURAL APPROACH SLAB DETAILS & BILL OF BARS
33. SINGLE SLOPE PARAPET 42SS TRANSITION WITH STRUCTURAL APPROACH SLAB
34. MODIFIED SINGLE SLOPE PARAPET 42SS WITH STRUCTURAL APPROACH SLAB
35. CONDUIT DETAILS
36. CHAIN LINK FENCE DETAILS
37. SLOPE PAVING (CONCRETE)
38. AESTHETIC DETAILS (1 OF 2)
39. AESTHETIC DETAILS (2 OF 2)
40. ROAD NAME AESTHETIC DETAILS (3)

LEGEND

- ✳ LOCATION OF BEAM GUARD ATTACHMENT
- ⇨ DIRECTION OF TRAFFIC
- (X) INDICATES WING NUMBER

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE
AARON BONK (608) 261-0261
CONSULTANT
PAT CASHIN (414) 359-2300

STATE PROJECT NUMBER

1130-64-76

Addendum No. 03
ID 1130-64-76
Revised Sheet 958
February 8, 2024

NO.	DATE	REVISION	BY
(3)	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

ORIGINAL PLANS PREPARED BY

HNTB
250 E WISCONSIN AVE #2000
MILWAUKEE, WI 53202
(414) 359-2300

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-44-316

STH 15 EB OVER IH 41

COUNTY	TOWN/~~CITY/VILLAGE~~
OUTAGAMIE	GRAND CHUTE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
FEG	MSS	FEG	CVH

GENERAL PLAN & ELEVATION

SHEET 1 OF (40) (3)

958

WISCONSIN PROFESSIONAL ENGINEER
CARLEE V. HAYDEN
E-49822
MADISON, WI
FEB 6, 2024

SCALE = 30.0

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0316\SHEETS\B316_080201_GP_ADD3.DWG
LAYOUT NAME - General Plan & Elevation

SUBMITTAL: FINAL PSE DATE: NOV 1, 2023

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	W. APPR. SLAB	W. ABUT.	PIER	E. ABUT.	E. APPR. SLAB	SUPER	TOTAL
203.0220.0802	REMOVING STRUCTURE B-44-178	EACH	-	-	-	-	-	-	1
206.1001.0802	EXCAVATION FOR STRUCTURES BRIDGES B-44-316	EACH	-	-	-	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-	789	-	789	-	-	1,578
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	-	221	-	221	-	-	442
501.1000.S	ICE HOT WEATHER CONCRETING	LB	733	566	1,199	566	733	3,588	7,384
502.0100	CONCRETE MASONRY BRIDGES	CY	20.2	75.5	159.8	75.4	20.2	-	351
502.3200	PROTECTIVE SURFACE TREATMENT	SY	174	-	-	-	174	1,186	1,534
502.3210	PIGMENTED SURFACE SEALER	SY	20	-	-	-	20	150	190
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	-	-	(3) -	-	-	1,055	1,055
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	5,340	3,940	5,340	-	-	14,620 (3)
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	16,320	1,850	22,840	1,850	15,050	95,750	153,660
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	-	-	-	-	-	2,480	2,480
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	7	14	7	-	-	28
506.4000.0802	STEEL DIAPHRAGMS B-44-316	EACH	-	-	-	-	-	12	12
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	18	-	18	-	-	36
531.8990	ANCHOR ASSEMBLIES POLES ON STRUCTURES	EACH	-	-	2	-	-	1	3
550.0500	PILE POINTS	EACH	-	12	36	12	-	-	60
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	-	720	1,440	720	-	-	2,880
604.0400	SLOPE PAVING CONCRETE	SY	-	74	-	74	-	-	148
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	-	1	-	-	-	-	1
652.0225	CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH	LF	-	-	-	-	-	285	285
652.0325	CONDUIT RIGID NON-METALLIC SCHEDULE 80 2-INCH	LF	-	-	-	-	-	15	15
653.0222	JUNCTION BOXES 18x12x6-INCH	EACH	-	-	-	-	-	3	3
SPV.0035.0800	HPC MASONRY STRUCTURES	CY	77.5	-	-	-	77.5	478.4	633
SPV.0090.0804	PVC PIPE SLEEVE	LF	-	-	-	-	-	10	10
SPV.0090.0802	FENCE CHAIN LINK POLYMER COATED 6-FT B-44-316	LF	35	-	-	-	39	305	379
SPV.0165.0800	LONGITUDINAL GROOVING BRIDGE DECK	SF	-	-	-	-	-	10,675	10,675
	NON-BID ITEMS								
	NAME PLATE	EACH	-	-	-	-	-	-	1
	PREFORMED JOINT FILLER	SIZE	-	-	-	-	-	-	1/2", 3/4"
	EXPANDED POLYSTYRENE	SIZE	-	-	-	-	-	-	1"
	SIZE 2 COARSE AGGREGATE	SIZE	-	-	-	-	-	-	-

ALL ITEMS ARE CATEGORY 2010

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.21
OPERATING RATING: RF = 1.62
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
- SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB ——— f'_c = 4,000 PSI
- ALL OTHER ——— f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
- GRADE 60 ——— f_y = 60,000 PSI
- STAINLESS, GRADE 60 ——— f_y = 60,000 PSI

36W" PRESTRESSED GIRDERS:
- CONCRETE MASONRY——— f'_c = 8,000 PSI
- STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

STRUCTURAL CARBON STEEL:
- ASTM A709, GRADE 36 ——— f_y = 36,000 PSI

STEEL PILING:
- ASTM A572, GRADE 50 ——— f_y = 50,000 PSI

TRAFFIC DATA

STH 15:
AADT = 24,200 (2020)
AADT = 35,750 (2045)
RDS = 50 MPH

IH 41 NB:
AADT = 25,980 (2020)
AADT = 33,800 (2045)
RDS = 75 MPH

IH 41 SB:
AADT = 27,410 (2020)
AADT = 35,260 (2045)
RDS = 75 MPH

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON STEEL HP 12X53 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- ESTIMATED 60'-0" LONG W. ABUT.
- ESTIMATED 60'-0" LONG E. ABUT.

PIER TO BE SUPPORTED ON STEEL HP 12X53 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- ESTIMATED 40'-0" LONG

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), OUTAGAMIE COUNTY NAD83 (2011). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2012).

THE EXISTING BRIDGE B-44-178 IS A 2 SPAN CONTINUOUS 54" PRESTRESSED GIRDER STRUCTURE. THE STRUCTURE WILL BE REMOVED AND PAID FOR UNDER "REMOVING STRUCTURE B-44-178". LENGTH IS 205'-10" BACK TO BACK OF ABUTMENTS. WIDTH IS 39'-0" OUT TO OUT.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-44-316" AT THE PIER SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS" SHEET.

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINATION OF TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWER AS MAY BE NECESSARY TO AVOID DAMAGE.

THE CONTRACTOR MUST COORDINATE THE REMOVAL OF EXISTING STRUCTURE B-44-178 AND CONSTRUCTION OF BRIDGE B-44-316 WITH RETAINING WALLS R-44-30 AND R-44-31.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING NON-ASPHALTIC JOINT SEALER (1-INCH DEEP AND HOLD ⅛" BELOW SURFACE OF THE CONCRETE). COLOR TO MATCH ADJACENT SURFACES.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M153 TYPE 1, 2, OR 3, OR AASHTO M213.

CONCRETE IN THE FOLLOWING COMPONENTS TO BE PAID FOR AS "HPC MASONRY STRUCTURES":
- DECK SLAB, INCLUDING HAUNCHES
- ABUTMENT DIAPHRAGMS AND PIER DIAPHRAGMS
- PARAPETS ON BRIDGE AND ON STRUCTURAL APPROACH SLAB
- STRUCTURAL APPROACH SLABS (NOT THE APPROACH SLAB FOOTINGS)

STATE PROJECT NUMBER
1130-64-76

Addendum No. 03
ID 1130-64-76
Revised Sheet 960
February 8, 2024

WISCONSIN PROFESSIONAL ENGINEER
CARLEE V. HAYDEN
E-49822
MADISON, WI
FEB 6, 2024

NO.	DATE	REVISION	BY
(3)	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-316

DRAWN BY FEG | PLANS CK'D CVH

GENERAL NOTES & QUANTITIES

SHEET 3
960

SCALE = 1.0

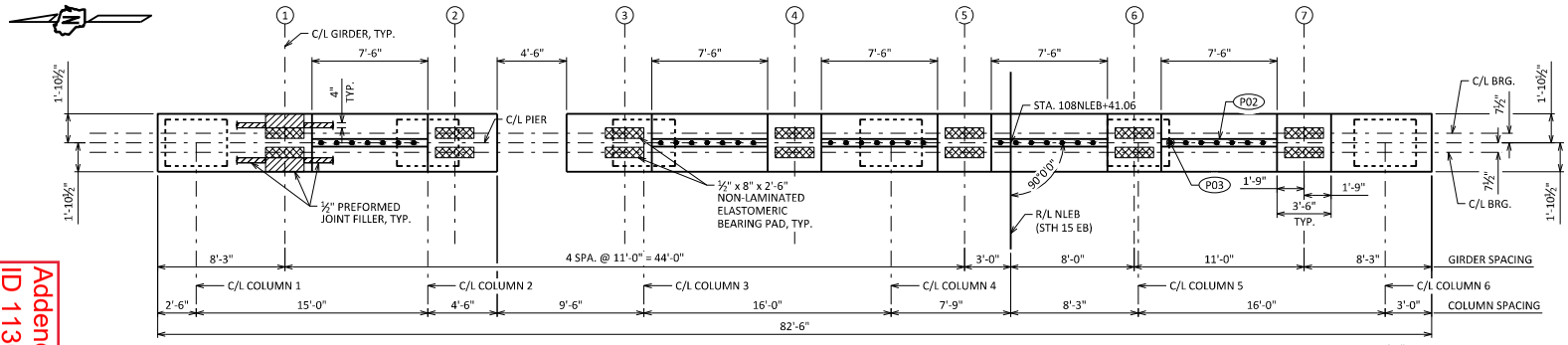
8

8

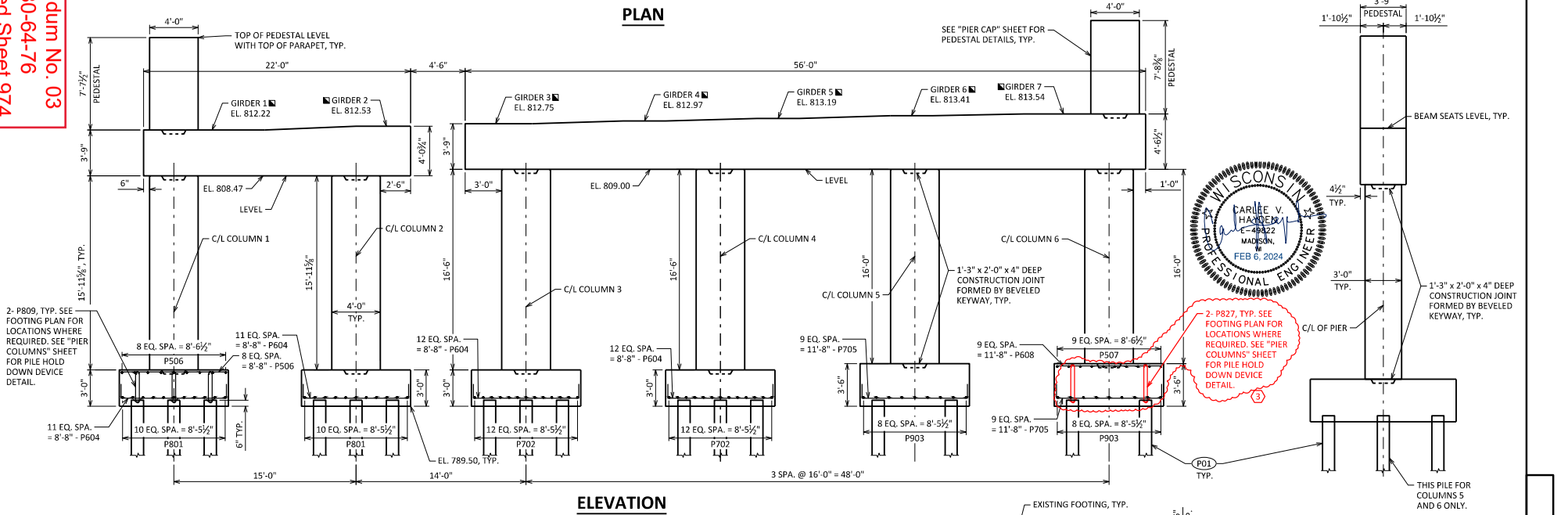
FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0316\SHEETS\B316_080203_GN_ADD3.DWG
LAYOUT NAME - GENERAL NOTES & QUANTITIES

Addendum No. 03
ID 1130-64-76
Revised Sheet 974
February 8, 2024

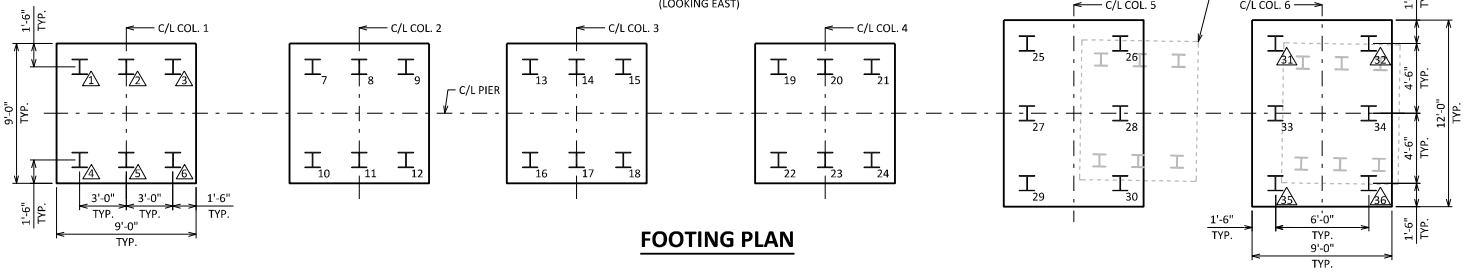
STATE PROJECT NUMBER
1130-64-76



PLAN



ELEVATION
(LOOKING EAST)



FOOTING PLAN

LEGEND

P01 HP12x53 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES ACCEPTANCE METHOD. ESTIMATED PILE LENGTH = 40 FT. PILE POINTS ARE REQUIRED.

P02 KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" x 6" BETWEEN BEAM SEATS.

P03 P525 BARS AT 1'-0" CENTERS MAX. BETWEEN BEAM SEATS. EMBED 1'-0" INTO CAP CONCRETE. PLACE BARS BEFORE CONCRETE HAS TAKEN INITIAL SET.

X PILE REQUIRING PILE HOLD DOWN DEVICE. PILE REQUIRES MINIMUM DRIVING LENGTH OF 30 FT.

GIRDER ELEVATIONS TAKEN FROM C/L PIER. SEE SLOPING BEAM SEAT DETAILS ON "PIER CAP" SHEET FOR ELEVATION CORRECTION ACROSS BEAM SEAT.

END VIEW
(LOOKING NORTH)

WISCONSIN PROFESSIONAL ENGINEER
CARLEE V. HACKER
E-49822
MADISON, WI
FEB 6, 2024

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-316

DRAWN BY FEG | PLANS CK'D MSS

PIER

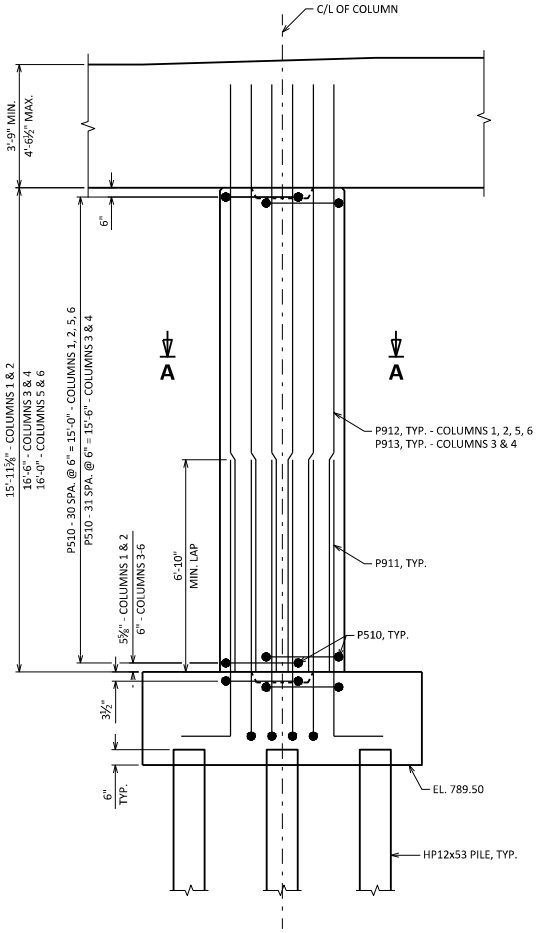
SHEET 17
974

SCALE = 8.0

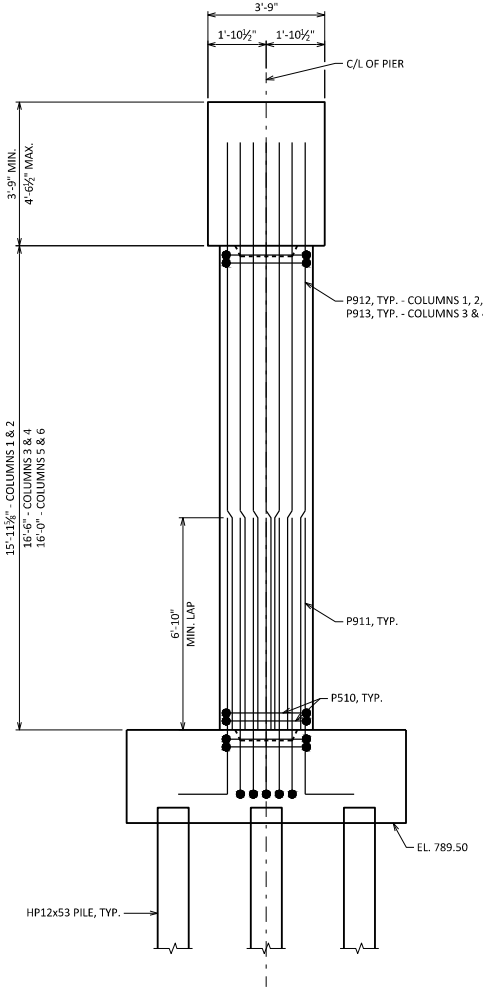
FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0316\SHEETS\B316_080217_PR_ADD3.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER
1130-64-76

Addendum No. 03
ID 1130-64-76
Revised Sheet 975
February 8, 2024

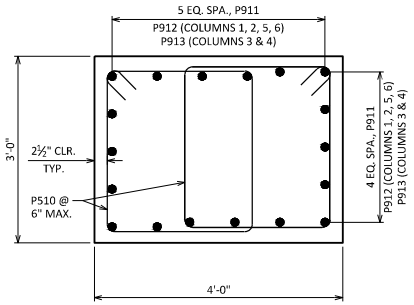


COLUMN ELEVATION

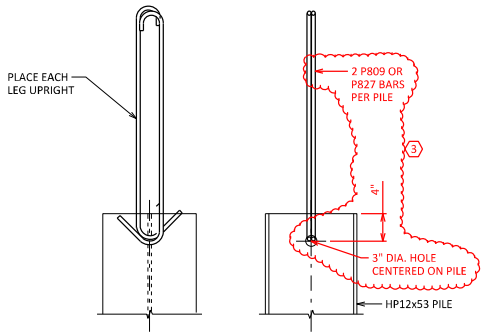


COLUMN ELEVATION - END VIEW

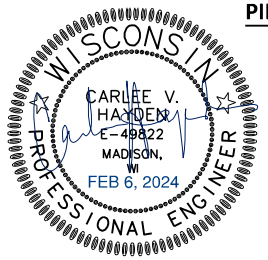
(LOOKING NORTH)



SECTION A-A



PILE HOLD DOWN DEVICE DETAIL



NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-316

DRAWN BY: FEG | PLANS CK'D: MSS

PIER COLUMNS

SHEET 18

975

SCALE = 4.0

8

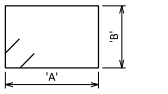
8

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0316\SHEETS\B316_080218_PR_ADD3.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER
1130-64-76

BILL OF BARS

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P801		22	10'-10"	X		PIER FOOTING
P702		26	10'-7"	X		PIER FOOTING
P903		18	14'-3"	X		PIER FOOTING
P604		50	10'-3"	X		PIER FOOTING
P705		20	10'-7"	X		PIER FOOTING
P506		18	8'-7"			PIER FOOTING
P507		10	11'-7"			PIER FOOTING
P608		10	8'-7"			PIER FOOTING
P809		12	4'-7"	X		HOLD DOWN DEVICE, COLUMN 1
P510	X	388	9'-8"	X		COLUMN TIES
P911	X	108	11'-0"	X		COLUMN DOWELS VERT.
P912	X	72	19'-4"			COLUMN VERT.
P913	X	36	19'-10"			COLUMN VERT.
P514	X	132	12'-0"	X		CAP STIRRUP
P915	X	8	21'-7"			NORTH CAP HORIZ. - BOT.
P816	X	6	23'-10"	X		NORTH CAP HORIZ. - TOP
P517	X	4	21'-7"			NORTH CAP HORIZ.
P1018	X	6	55'-7"			SOUTH CAP HORIZ. - BOT.
P819	X	8	57'-10"	X		SOUTH CAP HORIZ. - TOP
P520	X	4	55'-7"			SOUTH CAP HORIZ.
P421	X	5	35'-3"			SOUTH CAP HORIZ. - TOP
P522	X	17	6'-7"	X		CAP HORIZ. ENDS
P823	X	36	11'-4"	X		PIER CAP & PEDESTAL - VERT.
P524	X	36	7'-1"	X		CAP VERT.
P525	X	35	2'-0"			CAP VERT. - DOWELS
P526	X	30	14'-6"	X		PEDESTAL STIRRUP
P827		8	5'-0"	X		HOLD DOWN DEVICE, COLUMN 6

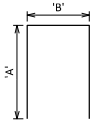


BAR MARK	DIMENSION 'A'	DIMENSION 'B'
P510	2'-2"	2'-4"
P514	2'-4"	3'-4"
P526	3'-7"	3'-4"

P510, P514, P526

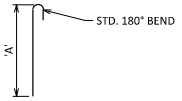
BAR MARK	DIMENSION 'A'
P809	2'-9"
P827	3'-2"

P809, P827



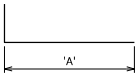
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
P801	1'-4"	8'-7"
P702	1'-2"	8'-7"
P903	1'-7"	11'-7"
P604	1'-0"	8'-7"
P705	1'-2"	8'-7"
P816	1'-4"	21'-7"
P819	1'-4"	55'-7"
P522	1'-9"	3'-4"
P524	2'-0"	3'-4"

P801, P702, P903, P604, P705, P816, P819, P522, P524



BAR MARK	DIMENSION 'A'
P823	10'-5"

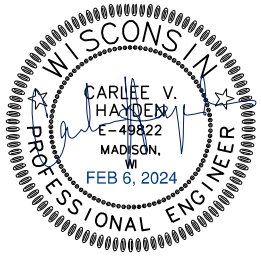
P823



BAR MARK	DIMENSION 'A'
P911	9'-8"

P911

Addendum No. 03
ID 1130-64-76
Revised Sheet 977
February 8, 2024



NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-316

DRAWN BY FEG | PLANS CK'D MSS

PIER BILL OF BARS

SHEET 20

977

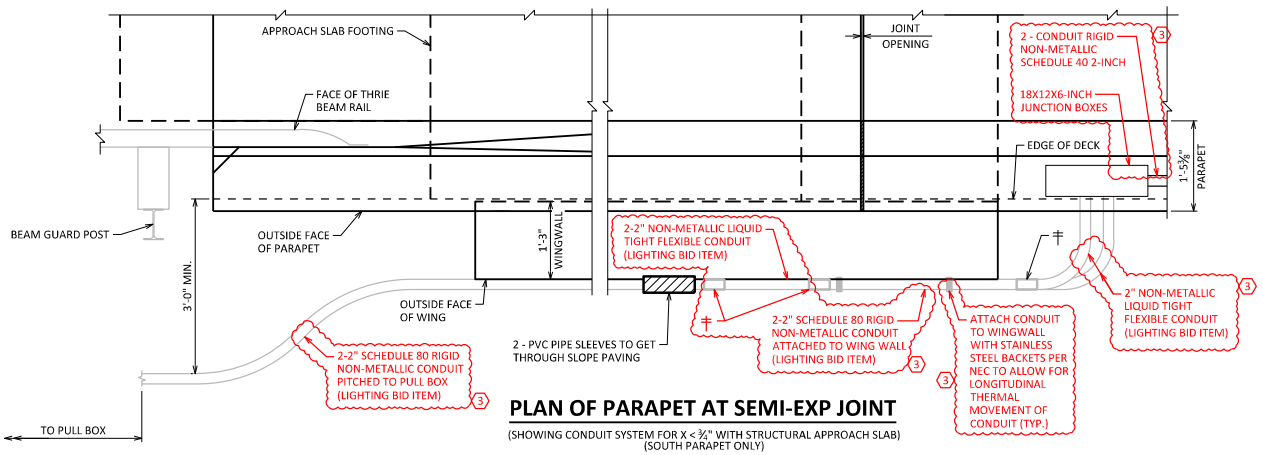
SCALE = 3.0

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0316\SHEETS\B316_080220_PR_ADD3.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

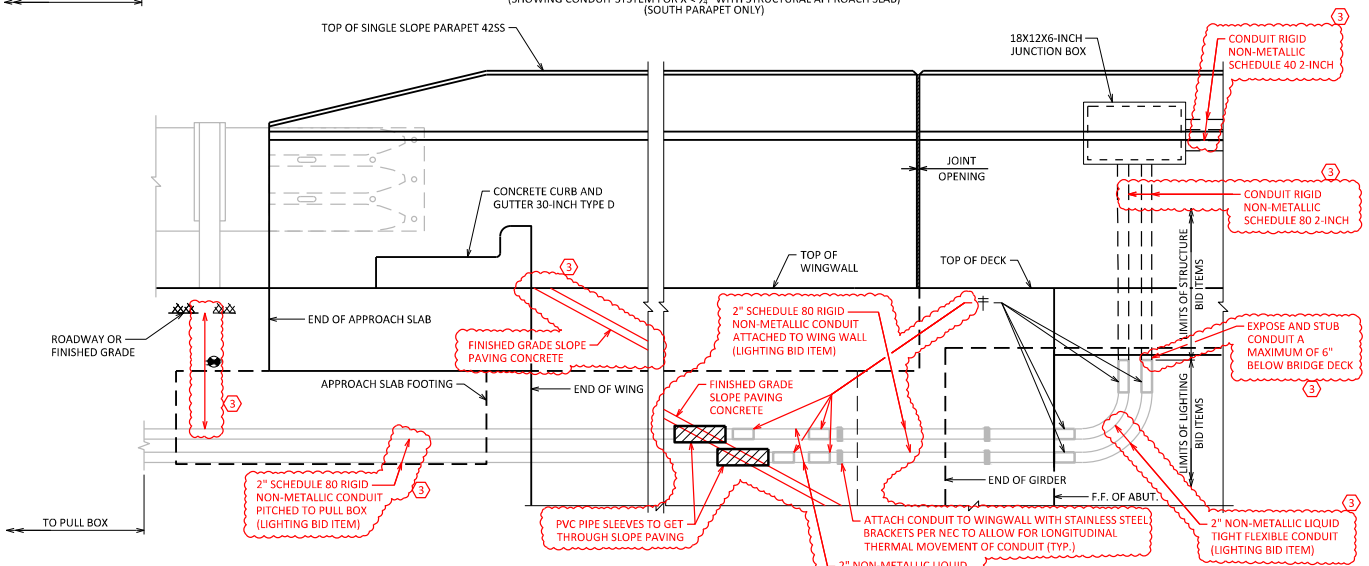
1130-64-76

Addendum No. 03
ID 1130-64-76
Revised Sheet 992
February 8, 2024



PLAN OF PARAPET AT SEMI-EXP JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(SOUTH PARAPET ONLY)



OUTSIDE ELEVATION OF PARAPET AT SEMI-EXP. JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(SW END SHOWN, SE END SIMILAR)

WISCONSIN
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E-49822
MADISON, WI
FEB 6, 2024
PROFESSIONAL ENGINEER

LEGEND

3 — 2" RIGID NON-METALLIC FEMALE ADAPTER (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).

2'-0" MIN. CONDUIT COVER UNDER ROADWAYS, 1'-6" OTHERWISE. CONDUIT COVER SHOULD NOT EXCEED 3'-0".

3 —

NOTES

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

LIGHTING BID ITEMS BEGIN WHERE CONDUIT STUBS OUT OF THE BOTTOM OF THE BRIDGE DECK AND CONTINUE TO THE PULL BOX.

3 SEE LIGHTING PLANS FOR ADDITIONAL NOTES AND SECTION VIEW.

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-316

DRAWN BY FEG | PLANS CK'D JWO

CONDUIT DETAILS

SHEET 35

992

SCALE = 2.0

8

8

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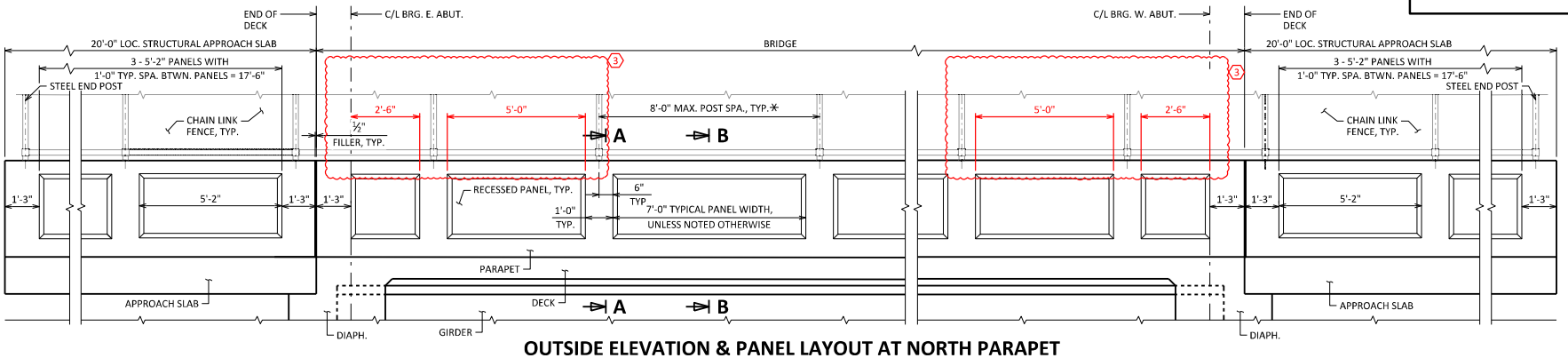
LAYOUT NAME - CONDUIT DETAILS

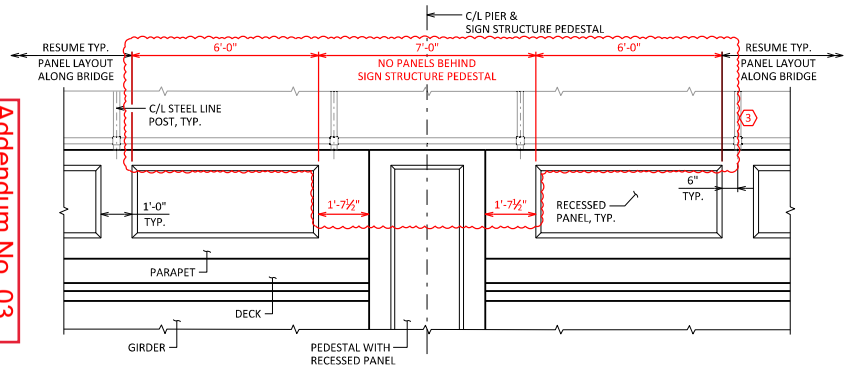
STATE PROJECT NUMBER
1130-64-76



OUTSIDE ELEVATION & PANEL LAYOUT AT NORTH PARAPET

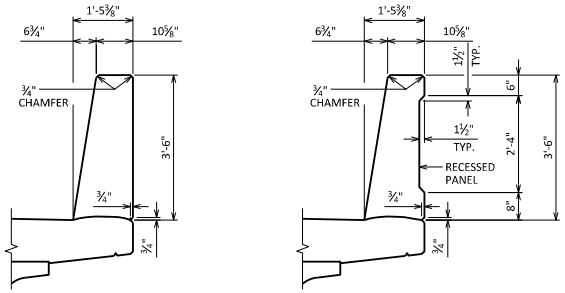
DIMENSIONS MEASURED ALONG OUTSIDE EDGE OF PARAPET
WORK WITH "CHAIN LINK FENCE DETAILS" SHEET AND PARAPET DETAILS ON THIS SHEET
✳FOR STEEL LINE POST SPACING DETAILS SEE "AESTHETIC DETAILS (2 OF 2)" SHEET

Addendum No. 03
ID 1130-64-76
Revised Sheet 995
February 8, 2024



OUTSIDE ELEVATION AT SIGN STRUCTURE PEDESTAL AT PIER

DIMENSIONS MEASURED ALONG OUTSIDE EDGE OF PARAPET
WORK WITH "CHAIN LINK FENCE DETAILS" SHEET AND PARAPET DETAILS ON THIS SHEET
FOR STEEL LINE POST SPACING DETAILS AND PEDESTAL DETAILS SEE "AESTHETIC DETAILS (2 OF 2)" SHEET



SECTIONS THRU MODIFIED SINGLE SLOPE PARAPET 42SS

FENCING ON TOP OF PARAPET AND CONDUIT NOT SHOWN FOR CLARITY

WISCONSIN
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MADISON, WI
FEB 6, 2024
PROFESSIONAL ENGINEER

NOTES

TYPICAL PANEL LAYOUT SHALL BE 7'-0" WIDE PANELS CENTERED BETWEEN STEEL LINE POSTS PLACED AT 8'-0" SPACING.

MAXIMUM STEEL POST SPACING SHALL BE 8'-0" PER WISDOT BM STD. 30.11 AND "CHAIN LINK FENCE DETAILS" SHEET.

PANEL LAYOUT AND POST SPACING SHALL BE ADJUSTED AT TRANSITIONS FROM BRIDGE TO APPROACH SLABS, ALONG APPROACH SLABS, AND NEAR SIGN STRUCTURE PEDESTALS AND LIGHT STANDARD.

NO AESTHETIC TREATMENTS AT SOUTH PARAPET.

SEE "AESTHETIC DETAILS (2 OF 2)" AND "ROAD NAME AESTHETIC DETAILS" SHEETS FOR ADDITIONAL DETAILS.

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-316

DRAWN BY EAJ | PLANS CK'D CVH

AESTHETIC DETAILS (1 OF 2)

SHEET 38

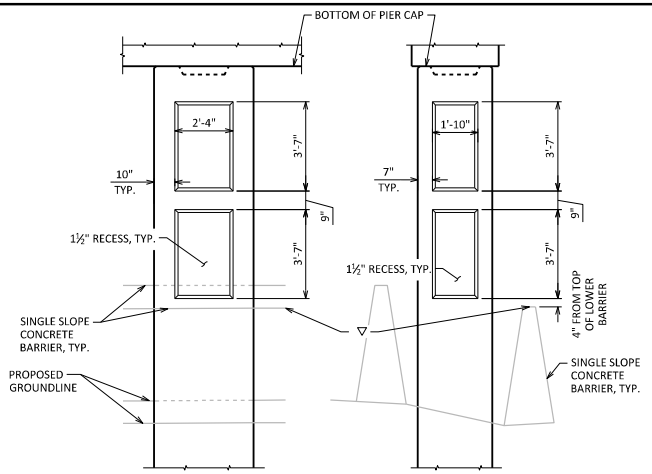
995

SCALE = VARIES

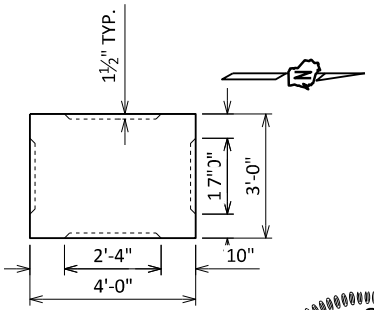
FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0316\SHEETS\B316_080238_AE_ADD3.DWG
LAYOUT NAME - 316 _Aesthetics1

STATE PROJECT NUMBER

1130-64-76



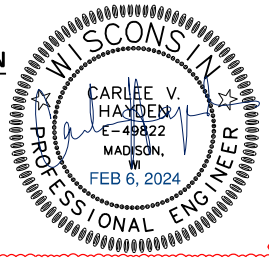
PIER COLUMN ELEVATIONS WITH FINAL ROADWAY CONDITION

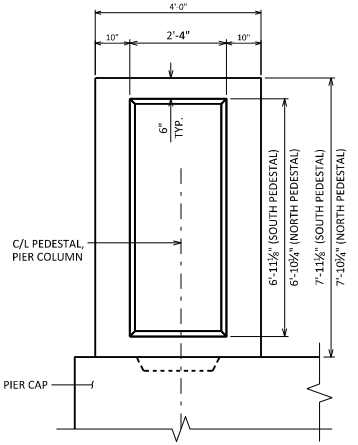


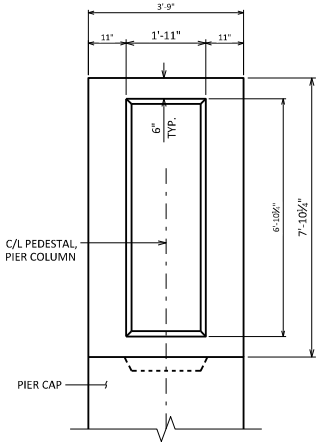
SECTION THRU COLUMN

NOTE

TO DETERMINE FUTURE BARRIER ELEVATIONS REFER TO FINAL PROFILE GRADES ON "PROFILE GRADE LINES" SHEET.

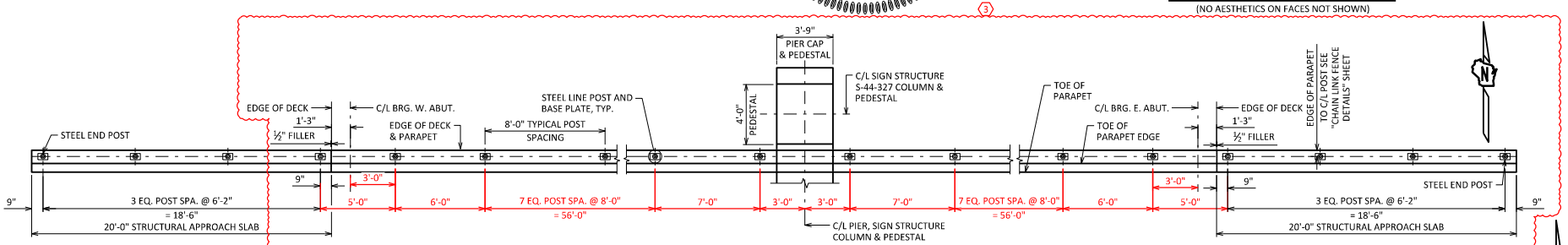






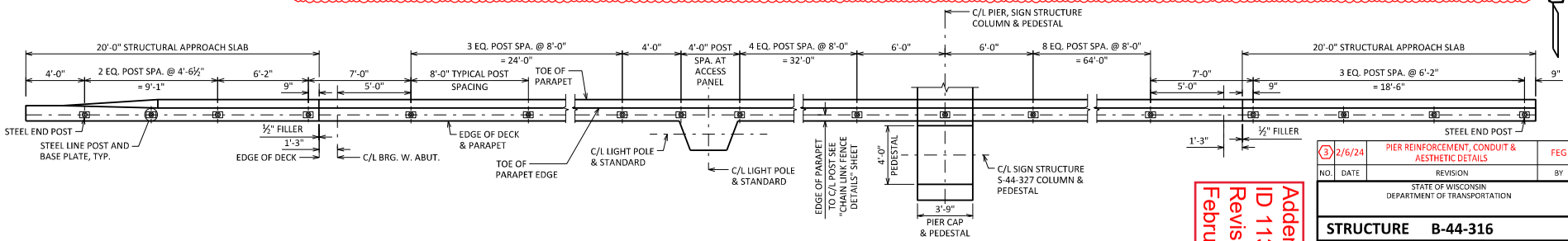
SECTIONS THRU PEDESTAL

(NO AESTHETICS ON FACES NOT SHOWN)



PLAN VIEW - CHAIN LINK FENCE POST LAYOUT - NORTH PARAPET

WORK WITH "CHAIN LINK FENCE DETAILS" SHEET AND PARAPET DETAILS ON "AESTHETIC DETAILS (1 OF 2)" SHEET



PLAN VIEW - CHAIN LINK FENCE POST LAYOUT - SOUTH PARAPET

WORK WITH "CHAIN LINK FENCE DETAILS" SHEET AND PARAPET DETAILS ON "AESTHETIC DETAILS (1 OF 2)" SHEET

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-316

DRAWN BY EAJ | PLANS CK'D CVH

AESTHETIC DETAILS (2 OF 2)

SHEET 39

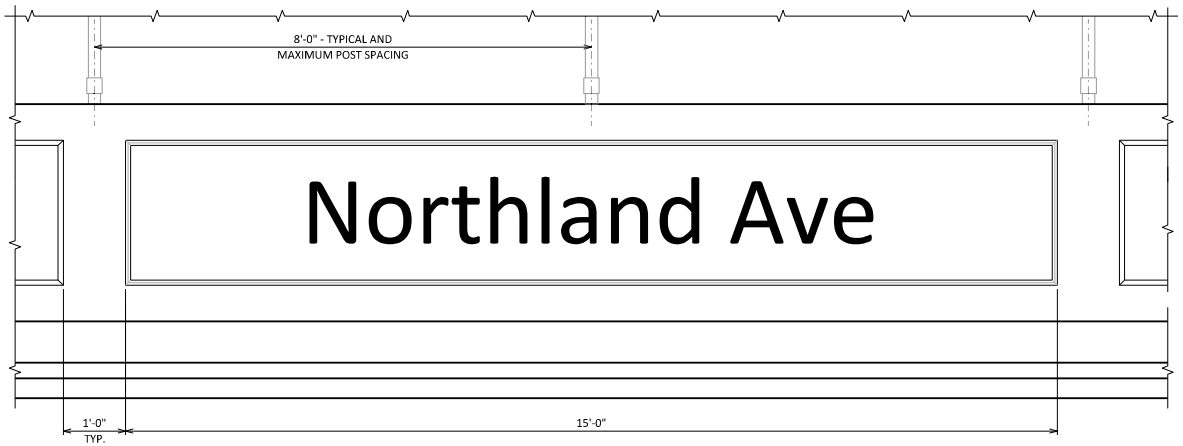
996

SCALE = VARIES

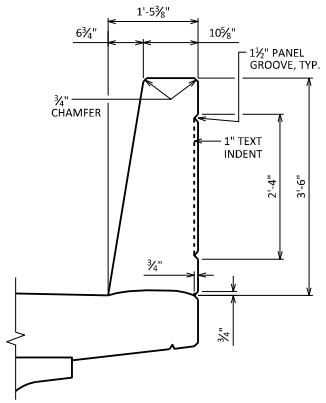
Addendum No. 03
ID 1130-64-76
Revised Sheet 996
February 8, 2024

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0316\SHEETS\B316_080238_AE_ADD3.DWG
LAYOUT NAME - 316_Aesthetics2

STATE PROJECT NUMBER
1130-64-76

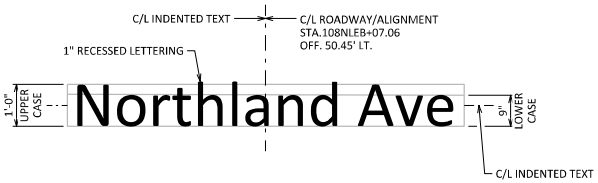


PARAPET ELEVATION AT ROAD NAME PANEL



MODIFIED SINGLE SLOPE PARAPET
42SS AT ROAD NAME PANEL

FENCING ON TOP OF PARAPET NOT SHOWN FOR CLARITY



ROAD NAME PANEL DETAILS

ROAD NAME PANEL NOTES:
1. PANEL RAISED AT ROAD NAME ONLY.
2. MAXIMUM POST SPACING IS 8'-0" - SEE "CHAIN LINK FENCE DETAILS".
3. SEE PARAPET SECTIONS FOR DIMENSION DETAILS.
4. LETTERING SHALL BE HELVETICA. 12" UPPER AND 9" LOWER CASE.
5. LETTERING SHALL BE CENTERED HORIZONTALLY AND VERTICALLY ON PARAPET.
6. LETTERING IS ONLY ON EXTERIOR FACE OF PARAPET.
7. FORMING OF LETTERING INCIDENTAL TO "HPC MASONRY STRUCTURES".
8. STAIN RECESSED LETTERING BLACK, AMS STANDARD COLOR #27038. INCIDENTAL TO "HPC MASONRY STRUCTURES".

Addendum No. 03
ID 1130-64-76
Added Sheet 966A
February 8, 2024

WISCONSIN
CARLEE V. HAYDEN
E-49822
MADISON, WI
FEB 6, 2024
PROFESSIONAL ENGINEER

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3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-316

DRAWN BY EAJ | PLANS CK'D CVH

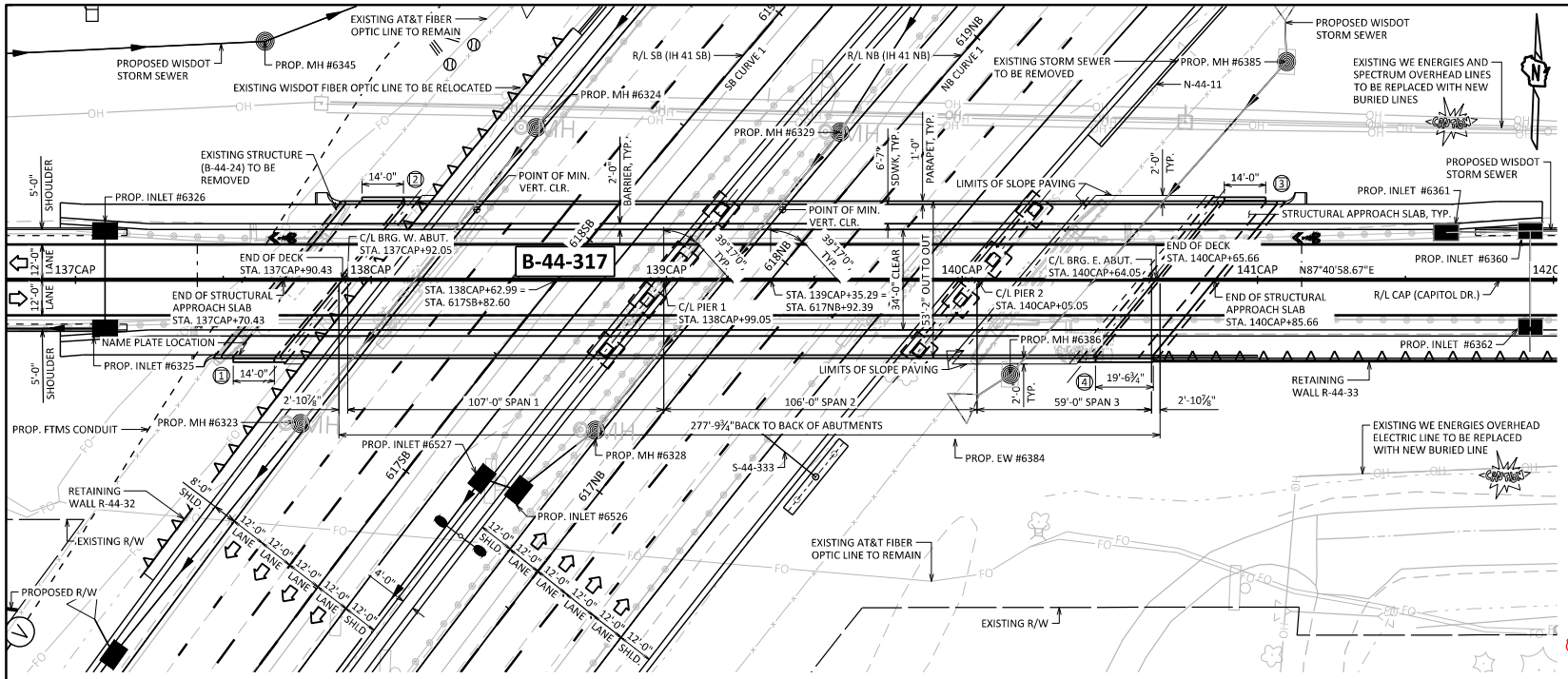
ROAD NAME AESTHETIC DETAILS

SHEET 40

996A

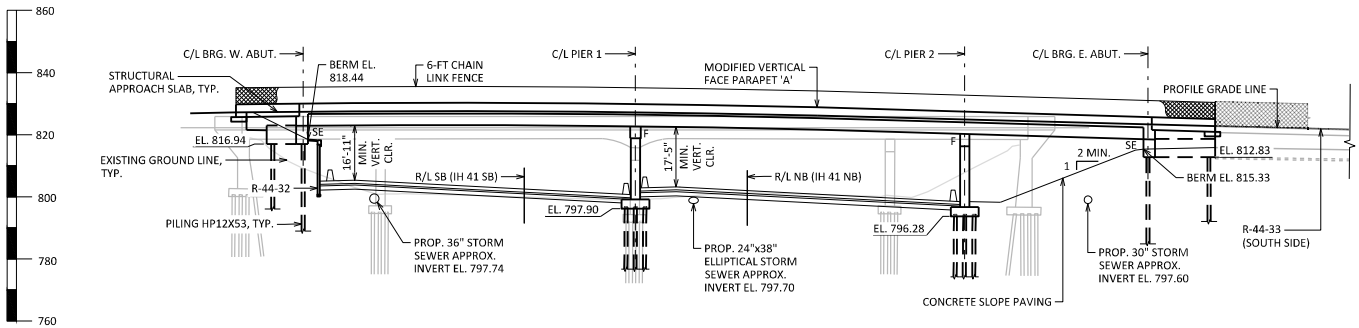
SCALE = VARIES

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\STRC\B-44-0316\SHEETS\B316_080238_AE_ADD3.DWG
LAYOUT NAME - 316_Aesthetics3



PLAN

3 SPANS - 45W" PRESTRESSED CONCRETE GIRDERS



ELEVATION WITH FINAL ROADWAY CONDITION

LOOKING NORTH

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. GENERAL NOTES & QUANTITIES
4. PROFILE GRADE LINES
5. INTERIM ELEVATION
6. WEST ABUTMENT EXCAVATION & BACKFILL
7. EAST ABUTMENT EXCAVATION & BACKFILL
8. SUBSURFACE EXPLORATION
9. WEST ABUTMENT
10. WEST ABUTMENT WING 1 DETAILS
11. WEST ABUTMENT WING 2 DETAILS
12. WEST ABUTMENT DETAILS
13. EAST ABUTMENT
14. EAST ABUTMENT WING 3 DETAILS
15. EAST ABUTMENT WING 4 DETAILS
16. EAST ABUTMENT DETAILS
17. ABUTMENT DETAILS
18. PIER
19. PIER COLUMNS
20. PIER CAP
21. PIER BILL OF BARS
22. 45W" PRESTRESSED GIRDER
23. 45W" PRESTRESSED GIRDER DETAILS
24. SUPERSTRUCTURE FRAMING PLAN
25. TOP OF DECK ELEVATIONS
26. STEEL DIAPHRAGM
27. SUPERSTRUCTURE PLAN
28. SUPERSTRUCTURE CROSS SECTION
29. SUPERSTRUCTURE DETAILS
30. SUPERSTRUCTURE BILL OF BARS
31. WEST STRUCTURAL APPROACH SLAB
32. EAST STRUCTURAL APPROACH SLAB
33. STRUCTURAL APPROACH SLAB DETAILS & BILL OF BARS
34. VERTICAL FACE PARAPET 'A' WITH STRUCTURAL APPROACH SLAB
35. SINGLE SLOPE CONCRETE BARRIER WITH STRUCTURAL APPROACH SLAB
36. CHAIN LINK FENCE DETAILS
37. SLOPE PAVING (CONCRETE CAST-IN-PLACE)
38. AESTHETIC DETAILS (1 OF 2)
39. AESTHETIC DETAILS (2 OF 2)
40. ROAD NAME AESTHETIC DETAILS (3)

LEGEND

- ✳ LOCATION OF BEAM GUARD ATTACHMENT
- DIRECTION OF TRAFFIC
- (X) INDICATES WING NUMBER

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE
AARON BONK (608) 261-0261
CONSULTANT
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

ORIGINAL PLANS PREPARED BY
HNTB
250 E. WISCONSIN AVE #2000
MILWAUKEE, WI 53202
(414) 359-2300

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-44-317

CAPITOL DR. OVER IH 41

COUNTY	TOWN/~~CITY/VILLAGE~~
OUTAGAMIE	GRAND CHUTE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
FEG	MSS	FEG	CVH

GENERAL PLAN & ELEVATION

SHEET 1 OF 40 (3)

997

SCALE = 40.0

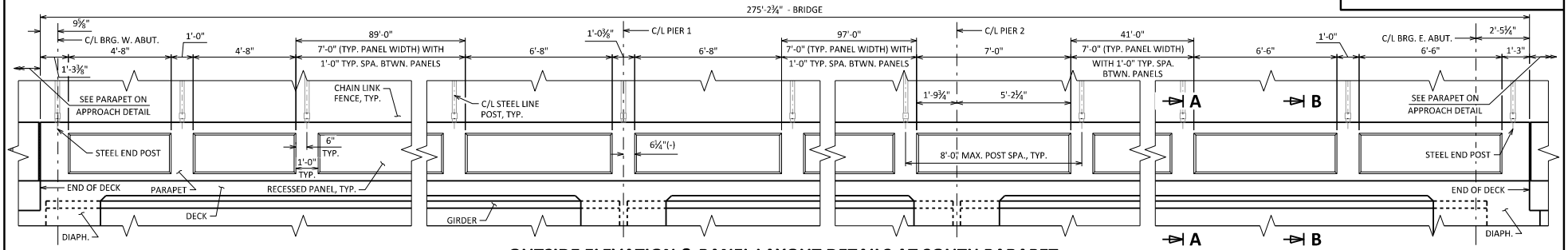
CARLEE V. HAYDEN
E-49822
MADISON, WI
FEB 6, 2024
PROFESSIONAL ENGINEER
WISCONSIN

SUBMITTAL: FINAL PSE DATE: NOV 1, 2023

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306481\STRC\B-44-0317\SHEETS\B317_080301_GP_ADD3.DWG
LAYOUT NAME - General Plan & Elevation

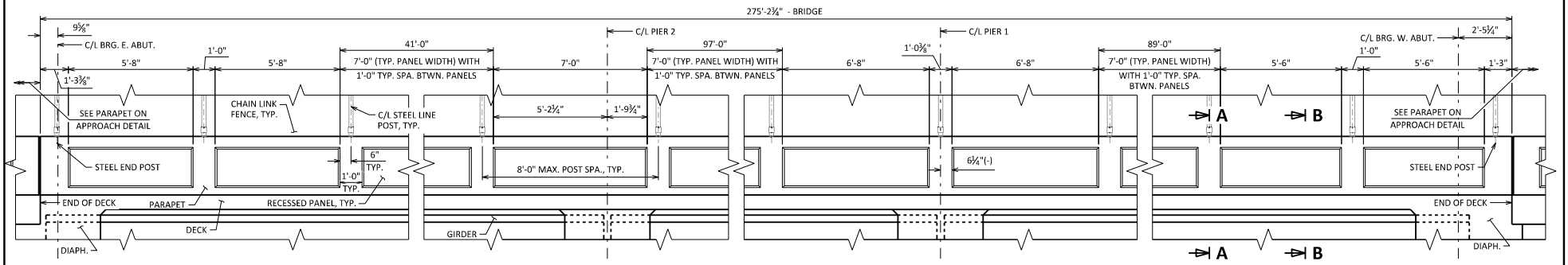
Addendum No. 03
ID 1130-64-81
Revised Sheet 997
February 8, 2024

STATE PROJECT NUMBER
1130-64-81



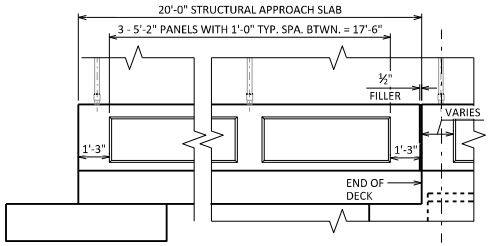
OUTSIDE ELEVATION & PANEL LAYOUT DETAILS AT SOUTH PARAPET

DIMENSIONS MEASURED ALONG OUTSIDE EDGE OF PARAPET
WORK WITH "CHAIN LINK FENCE DETAILS" SHEET AND PARAPET DETAILS ON THIS SHEET



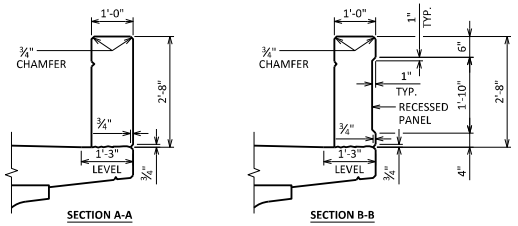
OUTSIDE ELEVATION & PANEL LAYOUT DETAILS AT NORTH PARAPET

DIMENSIONS MEASURED ALONG OUTSIDE EDGE OF PARAPET
WORK WITH "CHAIN LINK FENCE DETAILS" SHEET AND PARAPET DETAILS ON THIS SHEET



PARAPET ON APPROACH DETAIL

(OUTSIDE ELEVATION)
DIMENSIONS MEASURED ALONG OUTSIDE EDGE OF PARAPET
TYPICAL ALL APPROACHES



SECTIONS THRU MODIFIED VERTICAL FACE PARAPET 'A'

FENCING ON TOP OF PARAPET NOT SHOWN FOR CLARITY

NOTES

TYPICAL PANEL LAYOUT SHALL BE 7'-0" WIDE PANELS CENTERED BETWEEN STEEL LINE POSTS PLACED AT 8'-0" SPACING.

MAXIMUM STEEL POST SPACING SHALL BE 8'-0" PER WISDOT BM STD. 30.11 AND "CHAIN LINK FENCE DETAILS" SHEET.

PANEL LAYOUT AND POST SPACING SHALL BE ADJUSTED AT TRANSITIONS FROM BRIDGE TO APPROACH SLABS, ALONG APPROACH SLABS, AND NEAR PIERS.

FOR STEEL LINE POST SPACING DETAILS SEE "AESTHETIC DETAILS (2 OF 2)" SHEET.

SEE "ROAD NAME AESTHETIC DETAILS" FOR ADDITIONAL DETAILS. (3)

WISCONSIN
CARLEE V. HAYDEN
E-49822
MADISON, WI
FEB 6, 2024
PROFESSIONAL ENGINEER

NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-317

DRAWN BY EAJ | PLANS CK'D CVH

AESTHETIC DETAILS (1 OF 2)

SHEET 38

1034

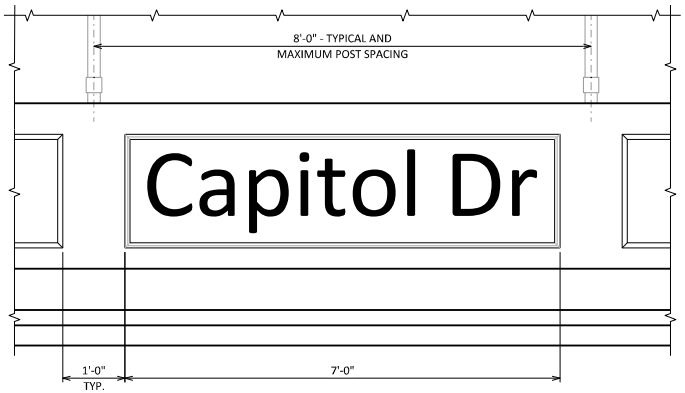
SCALE = VARIES

Addendum No. 03
ID 1130-64-81
Revised Sheet 1034
February 8, 2024

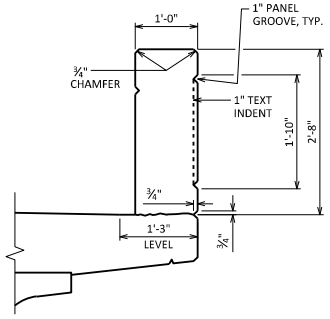
FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306481\STRC\B-44-0317\SHEETS\B317_080338_AE_ADD3.DWG
LAYOUT NAME - B317_Aesthetics1

STATE PROJECT NUMBER
1130-64-81

Addendum No. 03
ID 1130-64-81
Added Sheet 1035A
February 8, 2024

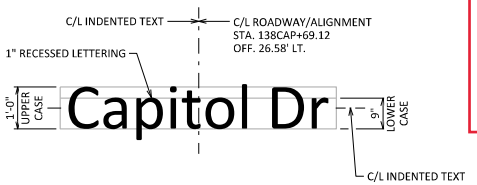


PARAPET ELEVATION AT ROAD NAME PANEL

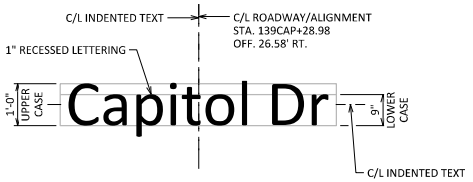


MODIFIED VERTICAL FACE PARAPET
'A' AT ROAD NAME PANEL

FENCING ON TOP OF PARAPET NOT SHOWN FOR CLARITY

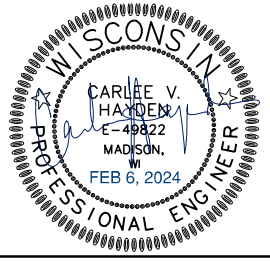


ROAD NAME PANEL DETAILS
- NORTH PARAPET



ROAD NAME PANEL DETAILS
- SOUTH PARAPET

ROAD NAME PANEL NOTES:
1. PANEL RAISED AT ROAD NAME ONLY.
2. MAXIMUM POST SPACING IS 8'-0" - SEE "CHAIN LINK FENCE DETAILS".
3. SEE PARAPET SECTIONS FOR DIMENSION DETAILS.
4. LETTERING SHALL BE HELVETICA. 12" UPPER AND 9" LOWER CASE.
5. LETTERING SHALL BE CENTERED HORIZONTALLY AND VERTICALLY ON PARAPET.
6. LETTERING IS ONLY ON EXTERIOR FACE OF PARAPET.
7. FORMING OF LETTERING INCIDENTAL TO "HPC MASONRY STRUCTURES".
8. STAIN RECESSED LETTERING BLACK, AMS STANDARD COLOR #27038. INCIDENTAL TO "HPC MASONRY STRUCTURES".



NO.	DATE	REVISION	BY
3	2/6/24	PIER REINFORCEMENT, CONDUIT & AESTHETIC DETAILS	FEG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-44-317

DRAWN BY EAJ | PLANS CK'D CVH

ROAD NAME AESTHETIC DETAILS

SHEET 40

1035A

SCALE: VARIES

FILE NAME : C:\USERS\FGILLEN\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306481\STRC\B-44-0317\SHEETS\B317_080338_AE_ADD3.DWG
LAYOUT NAME - B317_Aesthetics3

R/L NLA TEMP - RAMP NLA INTERIM

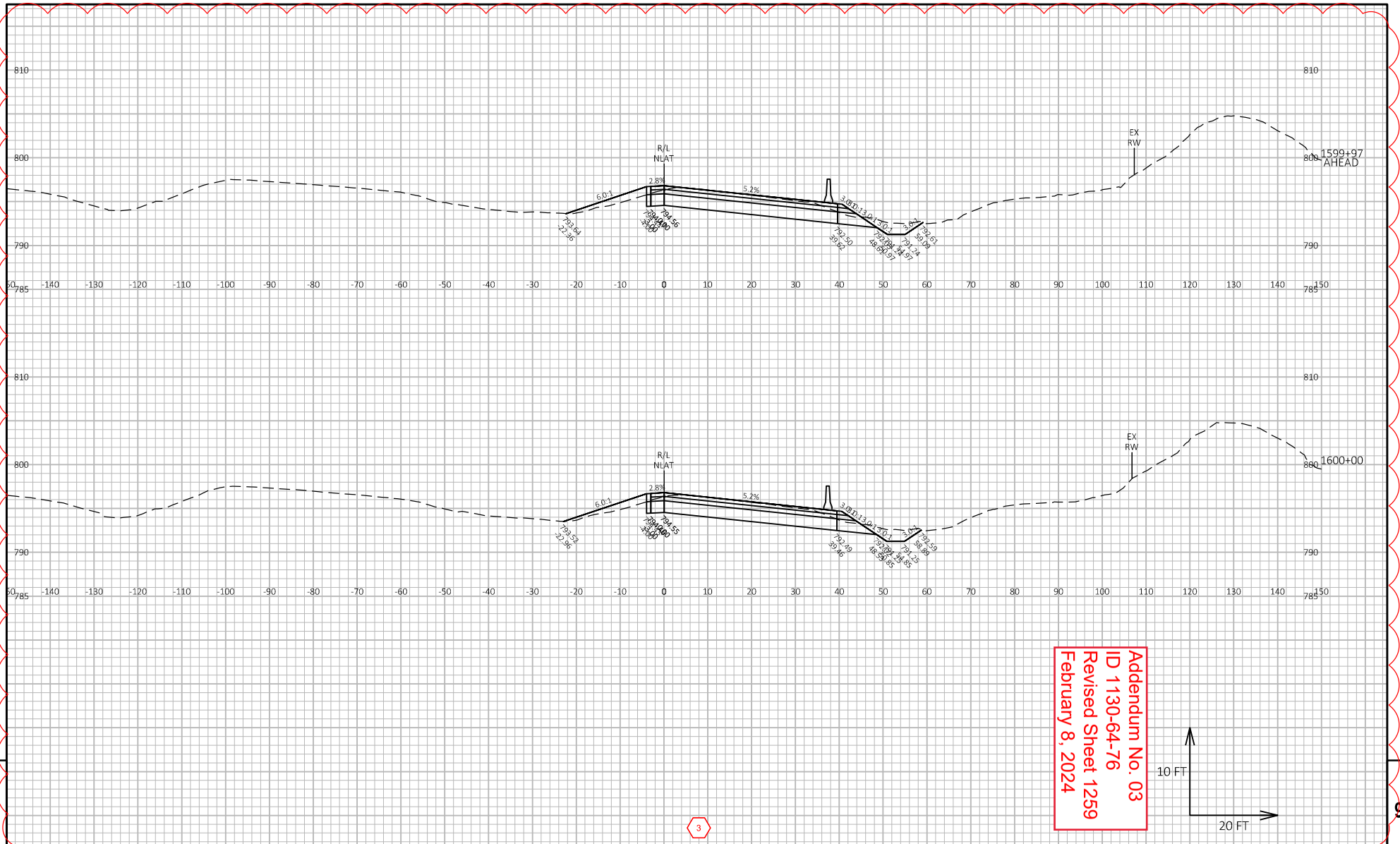
STATION	REAL STATION	DISTANCE	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)					
			CUT	FLY ASH FILL	FILL	MARSH EXC	EBS	CUT 3	FLY ASH FILL	FILL	MARSH EXC	EBS	CUT 1.00	FLY ASH FILL 1.00	FILL 1.00	MARSH EXC 1.00	EBS 1.00	MASS ORDINATE
1599+97.39 AH	159997.39	0.00	119.38	0.00	0.15	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
1600+00.00	160000.00	2.61	119.74	0.00	0.04	0.00	0.00	12	0	0	0	0	12	0.00	0	0	0	12
1600+50.00	160050.00	50.00	90.49	0.00	0.00	0.00	0.00	195	0	0	0	0	207	0	0	0	0	207
1601+00.00	160100.00	50.00	77.09	0.00	0.00	0.00	0.00	155	0	0	0	0	362	0	0	0	0	362
1601+50.00	160150.00	50.00	77.95	0.00	0.00	0.00	0.00	144	0	0	0	0	506	0	0	0	0	506
1602+00.00	160200.00	50.00	81.38	0.00	0.00	0.00	0.00	148	0	0	0	0	654	0	0	0	0	654
1602+50.00	160250.00	50.00	124.78	0.00	0.00	0.00	0.00	191	0	0	0	0	845	0	0	0	0	845
1603+00.00	160300.00	50.00	107.63	0.00	0.00	0.00	0.00	215	0	0	0	0	1,060	0	0	0	0	1,060
1603+50.00	160350.00	50.00	98.58	0.00	0.00	0.00	0.00	191	0	0	0	0	1,251	0	0	0	0	1,251
1604+00.00	160400.00	50.00	85.51	0.00	0.00	0.00	0.00	170	0	0	0	0	1,421	0	0	0	0	1,421
1604+50.00	160450.00	50.00	77.77	0.00	0.00	0.00	0.00	151	0	0	0	0	1,572	0	0	0	0	1,572
1605+00.00	160500.00	50.00	69.29	0.00	0.00	0.00	0.00	136	0	0	0	0	1,708	0	0	0	0	1,708
1605+50.00	160550.00	50.00	52.98	0.00	0.00	0.00	0.00	113	0	0	0	0	1,821	0	0	0	0	1,821
1606+00.00	160600.00	50.00	73.53	0.00	0.00	0.00	0.00	117	0	0	0	0	1,938	0	0	0	0	1,938
1606+50.00	160650.00	50.00	81.85	0.00	0.00	0.00	0.00	144	0	0	0	0	2,082	0	0	0	0	2,082
1607+00.00	160700.00	50.00	87.08	0.00	0.00	0.00	0.00	156	0	0	0	0	2,238	0	0	0	0	2,238
1607+50.00	160750.00	50.00	88.88	0.00	0.00	0.00	0.00	163	0	0	0	0	2,401	0	0	0	0	2,401
1608+00.00	160800.00	50.00	84.12	0.00	0.00	0.00	0.00	160	0	0	0	0	2,561	0	0	0	0	2,561
1608+50.00	160850.00	50.00	77.94	0.00	0.00	0.00	0.00	150	0	0	0	0	2,711	0	0	0	0	2,711
1609+00.00	160900.00	50.00	73.60	0.00	0.00	0.00	0.00	140	0	0	0	0	2,851	0	0	0	0	2,851
1609+50.00	160950.00	50.00	69.44	0.00	0.00	0.00	0.00	132	0	0	0	0	2,983	0	0	0	0	2,983
1610+00.00	161000.00	50.00	60.00	0.00	0.00	0.00	0.00	120	0	0	0	0	3,103	0	0	0	0	3,103
1610+50.00	161050.00	50.00	69.14	0.00	0.00	0.00	0.00	120	0	0	0	0	3,223	0	0	0	0	3,223
1611+00.00	161100.00	50.00	73.27	0.00	0.00	0.00	0.00	132	0	0	0	0	3,355	0	0	0	0	3,355
1611+50.00	161150.00	50.00	69.28	0.00	0.00	0.00	0.00	132	0	0	0	0	3,487	0	0	0	0	3,487
1612+00.00	161200.00	50.00	62.29	0.00	0.00	0.00	0.00	122	0	0	0	0	3,609	0	0	0	0	3,609
1612+50.00	161250.00	50.00	58.83	0.00	0.00	0.00	0.00	112	0	0	0	0	3,721	0	0	0	0	3,721
1613+00.00	161300.00	50.00	55.87	0.00	0.31	0.00	0.00	106	0	0	0	0	3,827	0	0	0	0	3,827
1613+50.00	161350.00	50.00	54.61	0.00	1.33	0.00	0.00	102	0	2	0	0	3,929	0	2	0	0	3,927
1614+00.00	161400.00	50.00	42.94	0.00	3.16	0.00	0.00	90	0	4	0	0	4,019	0	6	0	0	4,013
1614+50.00	161450.00	50.00	35.62	0.00	4.49	0.00	0.00	73	0	7	0	0	4,092	0	13	0	0	4,079
1615+00.00	161500.00	50.00	42.59	0.00	4.24	0.00	0.00	72	0	8	0	0	4,164	0	21	0	0	4,143
1615+50.00	161550.00	50.00	38.35	0.00	3.85	0.00	0.00	75	0	7	0	0	4,239	0	28	0	0	4,211
1615+77.56 BK	161577.56	27.56	42.78	0.00	3.77	0.00	0.00	41	0	4	0	0	4,280	0	32	0	0	4,248
								4,280	0	32	0	0						

Addendum No. 03
ID 1130-64-76
Revised Sheet 1099
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	EARTHWORK DATA	SHEET 1099	E

FILE NAME : PLOT DATE : PLOT BY : PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 42



Addendum No. 03
ID 1130-64-76
Revised Sheet 1259
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1259	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
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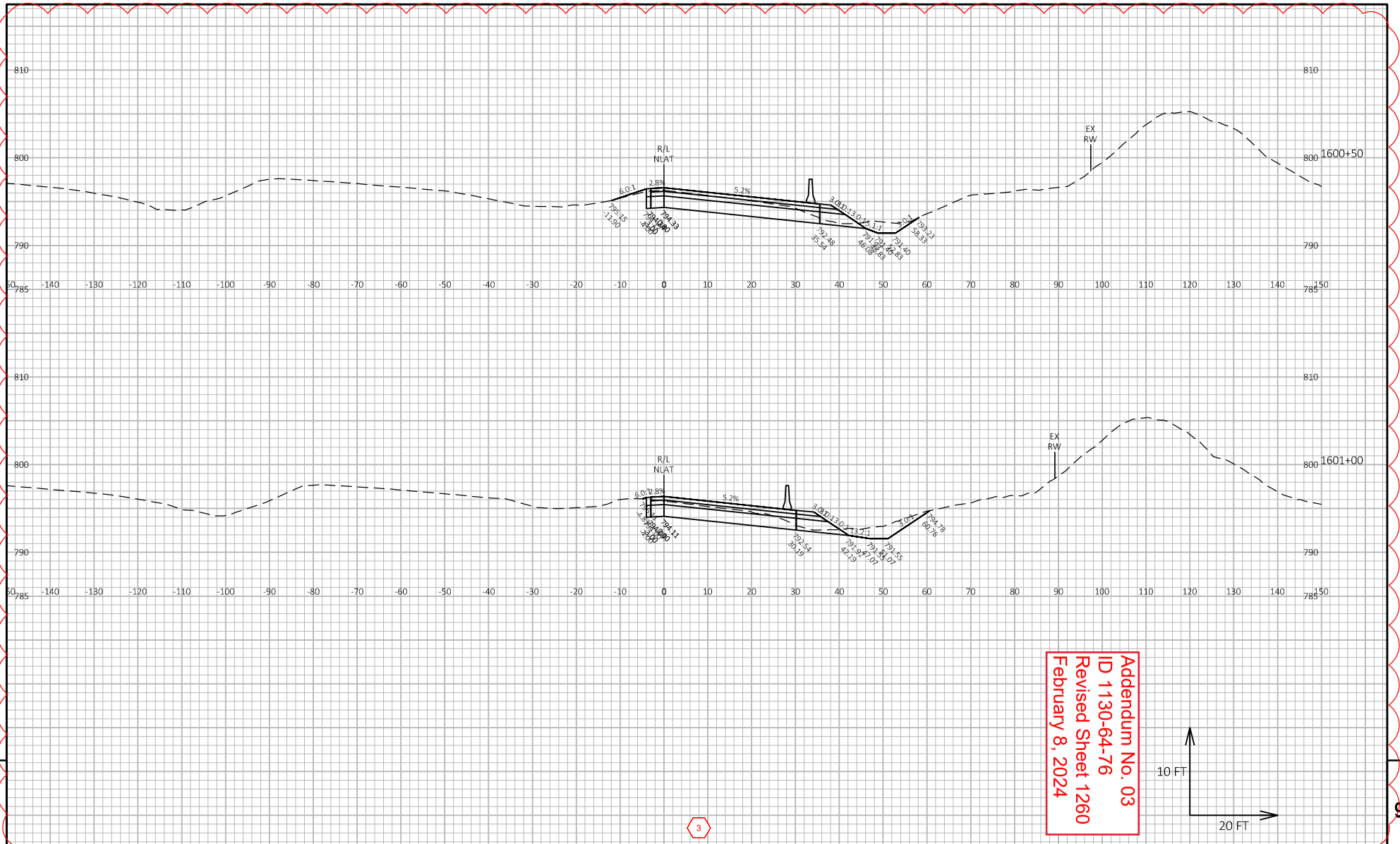
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



Addendum No. 03
ID 1130-64-76
Revised Sheet 1260
February 8, 2024

10 FT
20 FT

3

9 9

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1260	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 2
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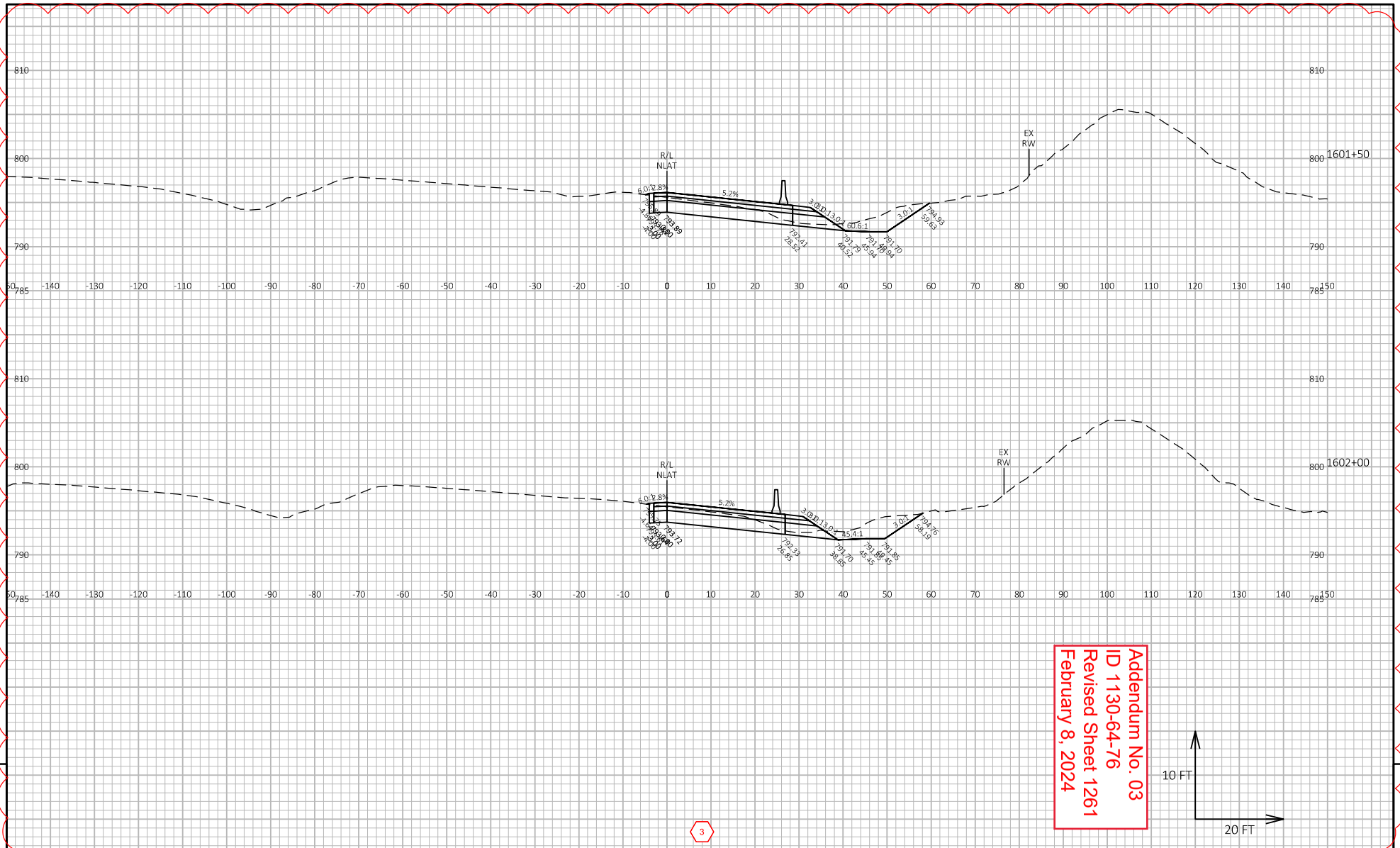

Addendum No. 03
ID 1130-64-76
Revised Sheet 1261
February 8, 2024

10 FT
20 FT

9

3

9

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1261	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 3
PLOT DATE : 2/6/2024 12:48 AM
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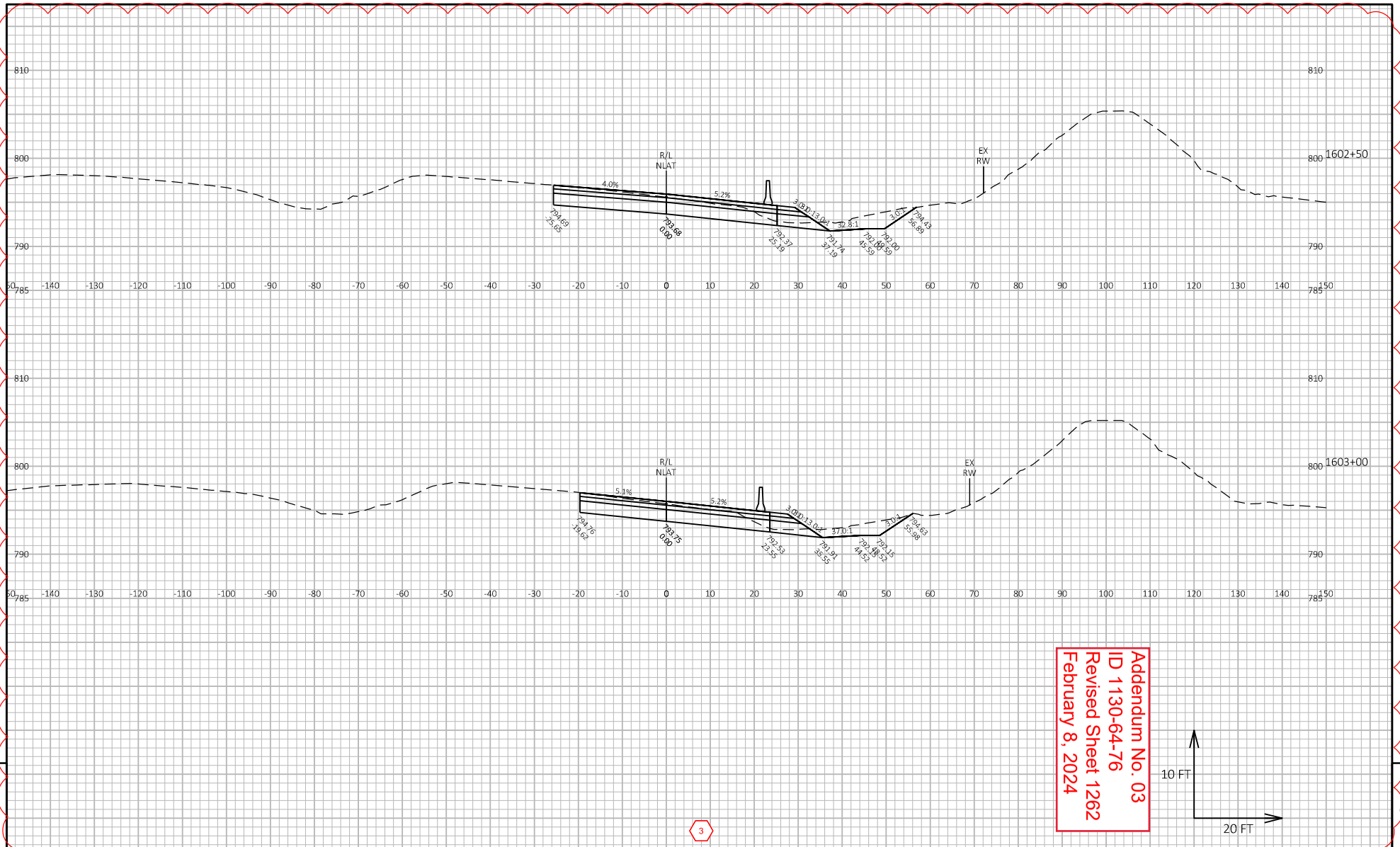
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1262	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 4
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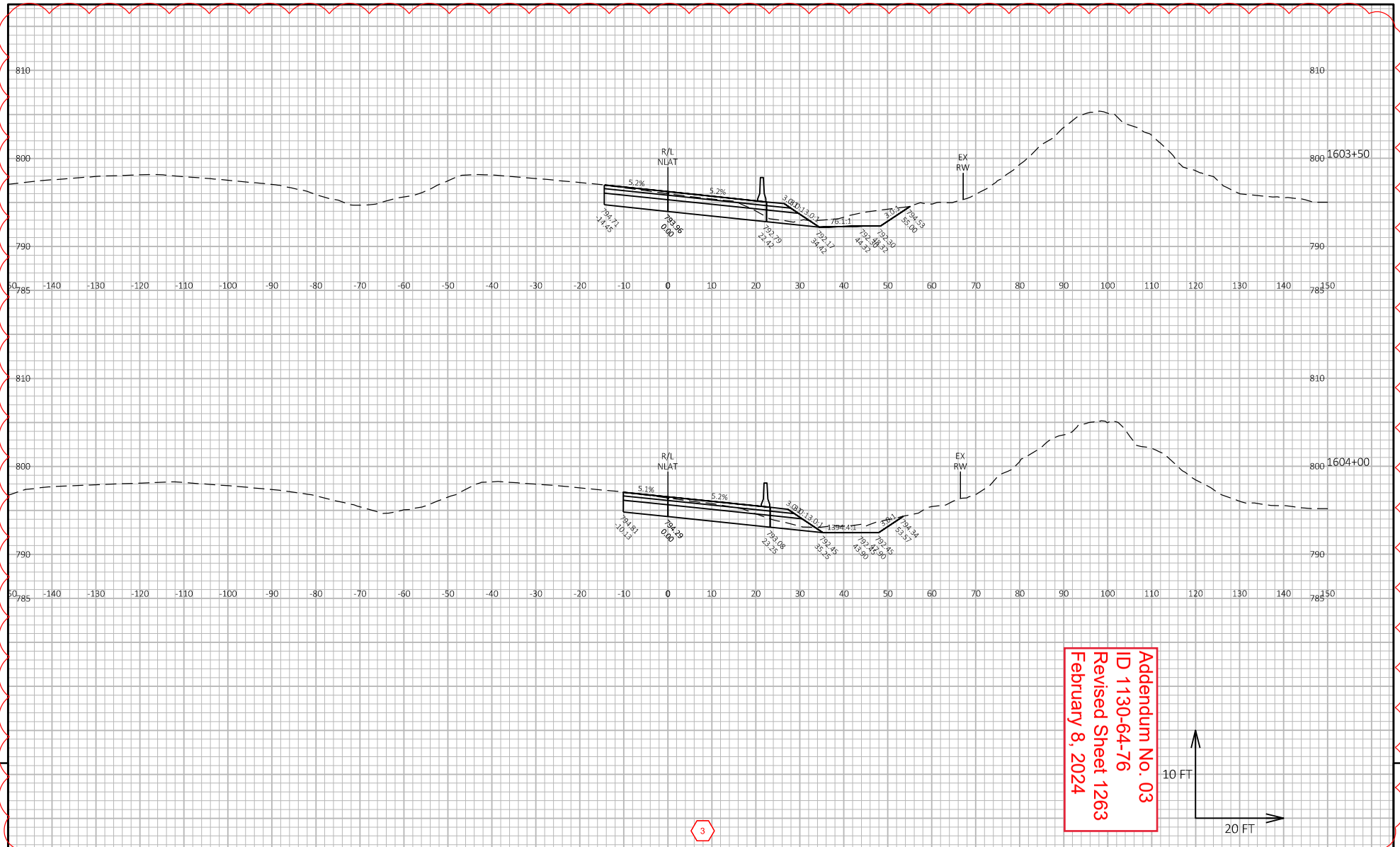
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



Addendum No. 03
ID 1130-64-76
Revised Sheet 1263
February 8, 2024

9

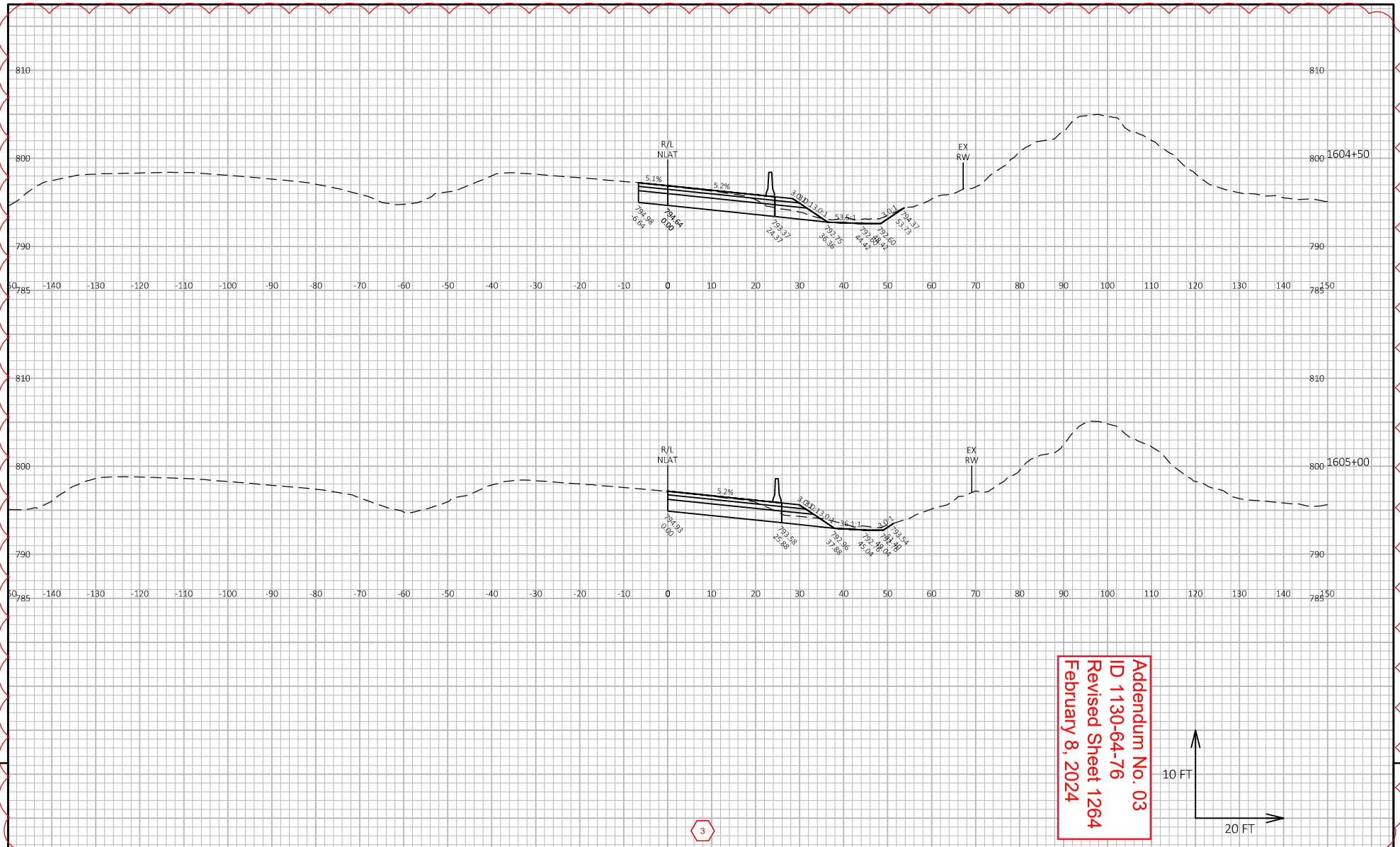
3

9

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1263	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 5
PLOT DATE : 2/6/2024 12:48 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : Custom

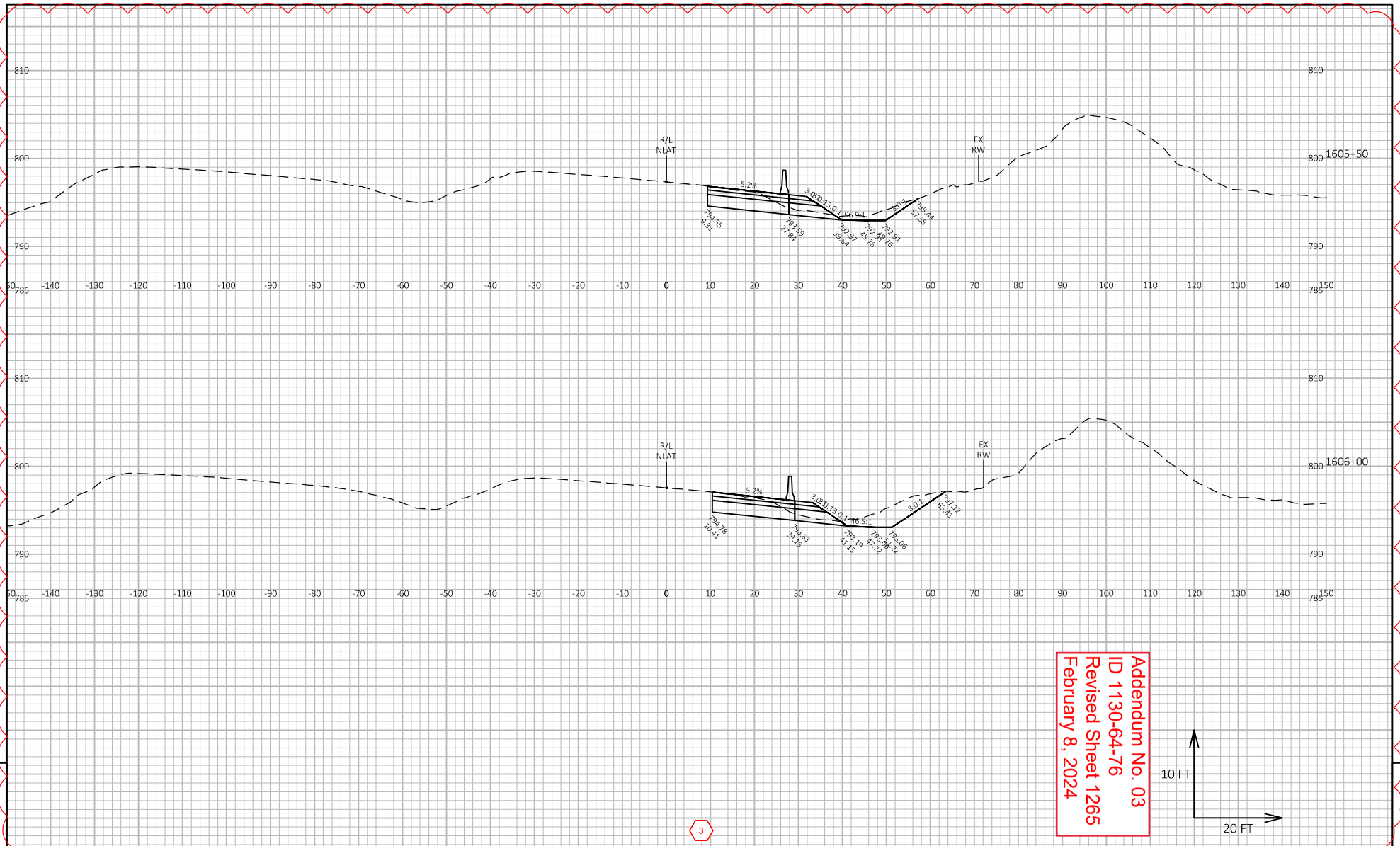
WISDOT/CADDS SHEET 49



Addendum No. 03
ID 1130-64-76
Revised Sheet 1264
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1264	E

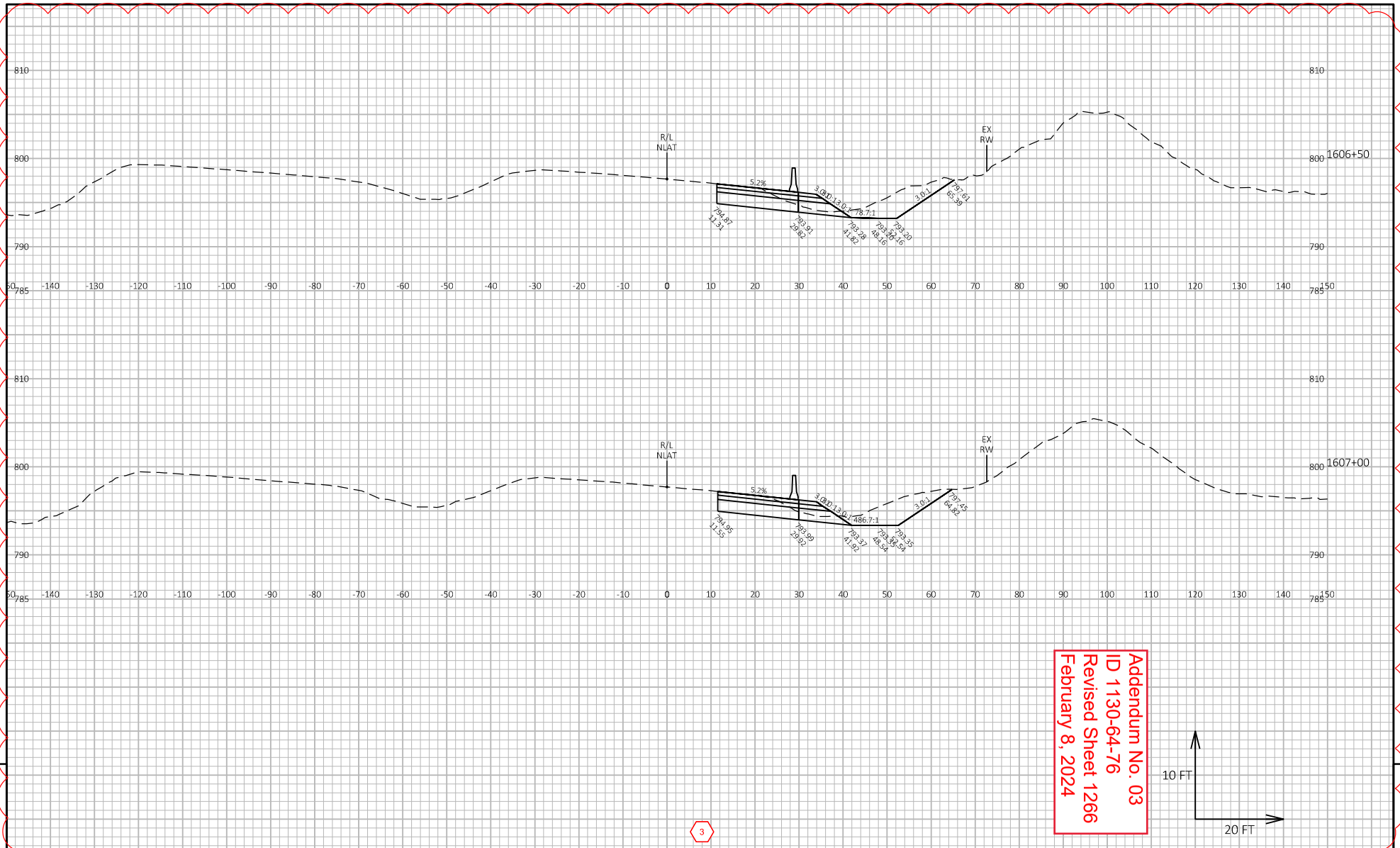
FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 6
PLOT DATE : 2/6/2024 12:48 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



Addendum No. 03
ID 1130-64-76
Revised Sheet 1265
February 8, 2024

PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1265	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 7
PLOT DATE : 2/6/2024 12:49 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : Custom



Addendum No. 03
ID 1130-64-76
Revised Sheet 1266
February 8, 2024

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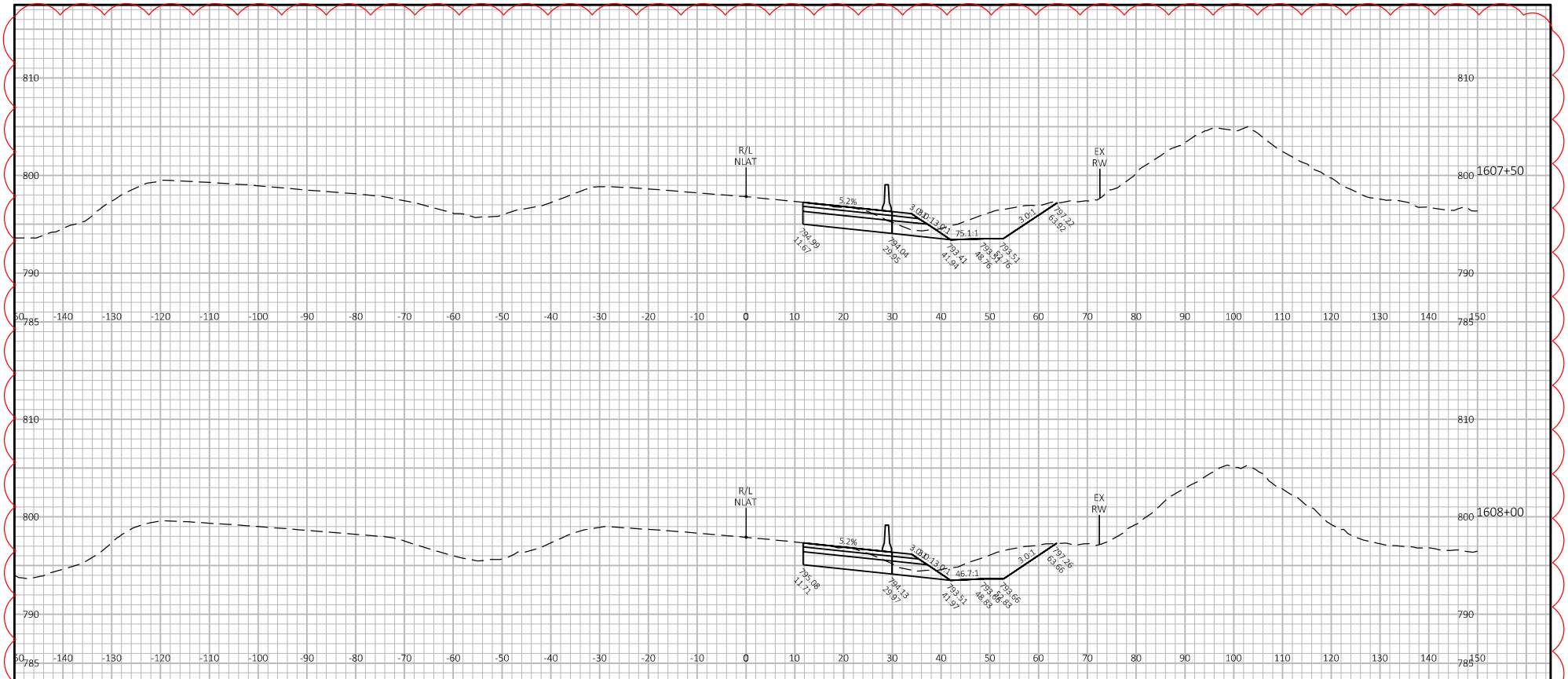
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1266	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 8

PLOT DATE : 2/6/2024 12:49 AM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



Addendum No. 03
ID 1130-64-76
Revised Sheet 1267
February 8, 2024

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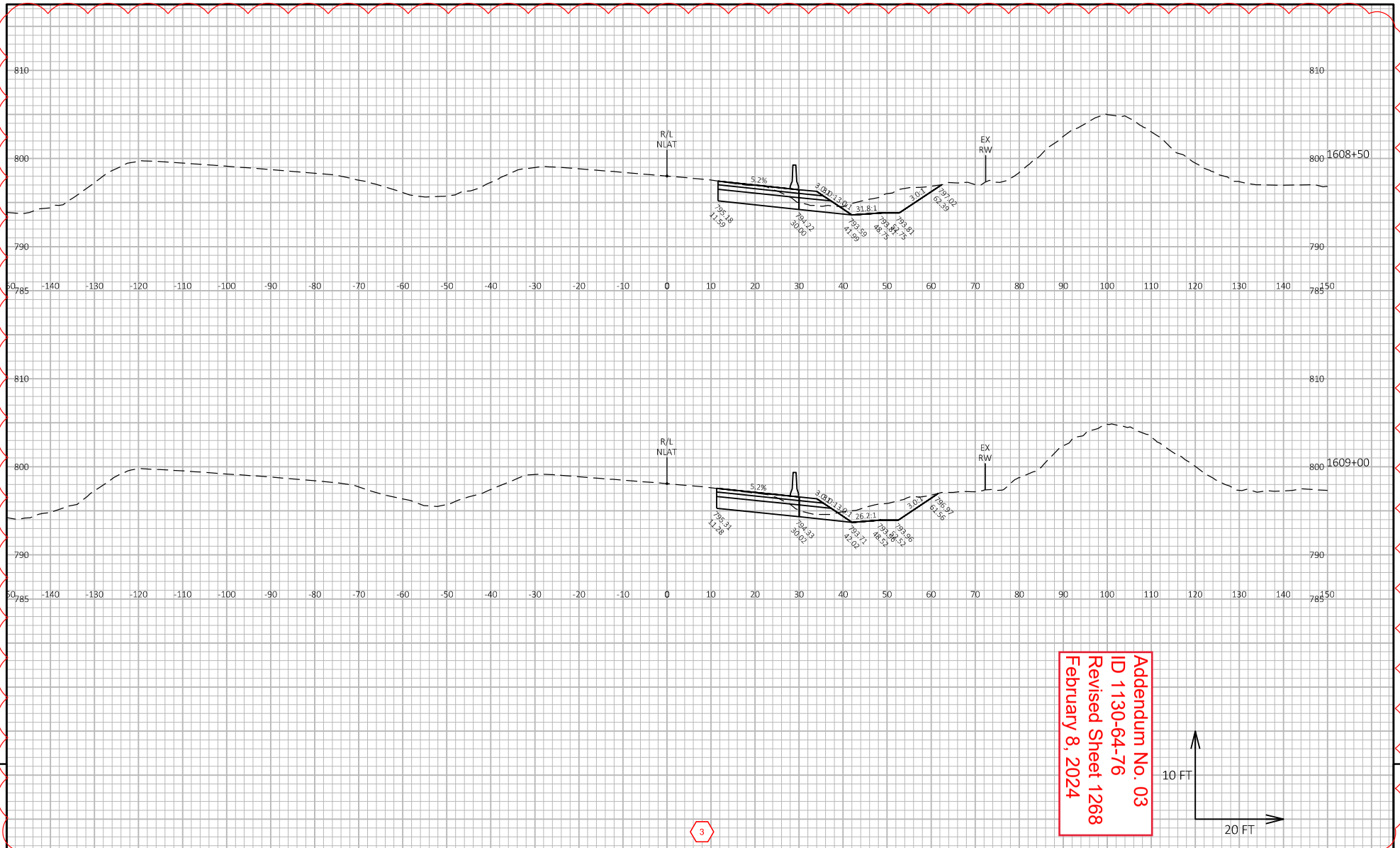
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1267	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 9
PLOT DATE : 2/6/2024 12:49 AM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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ID 1130-64-76
Revised Sheet 1268
February 8, 2024

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PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1268	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 10
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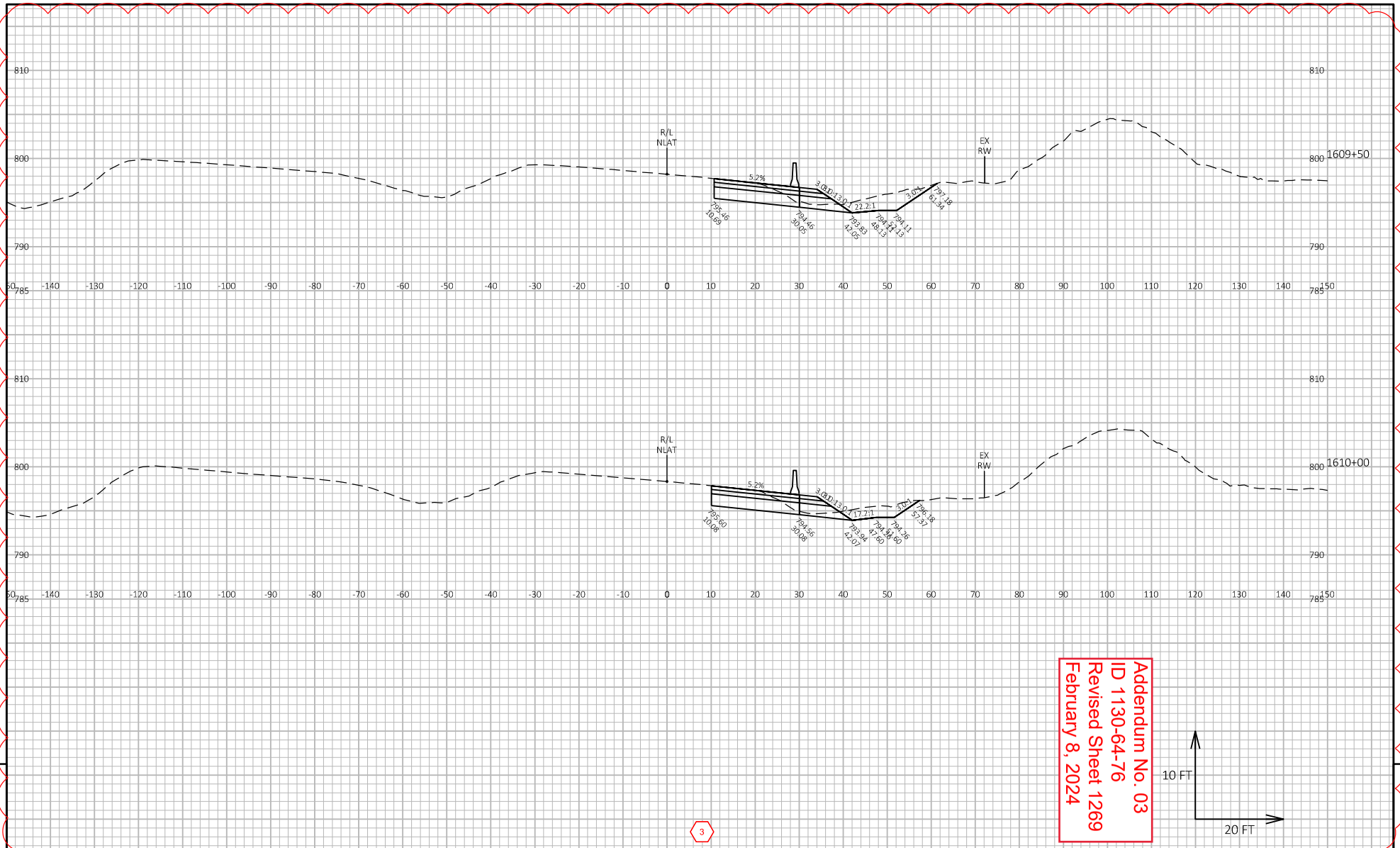
WISDOT/CADDS SHEET 49



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ID 1130-64-76
Revised Sheet 1269
February 8, 2024

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PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1269	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 11

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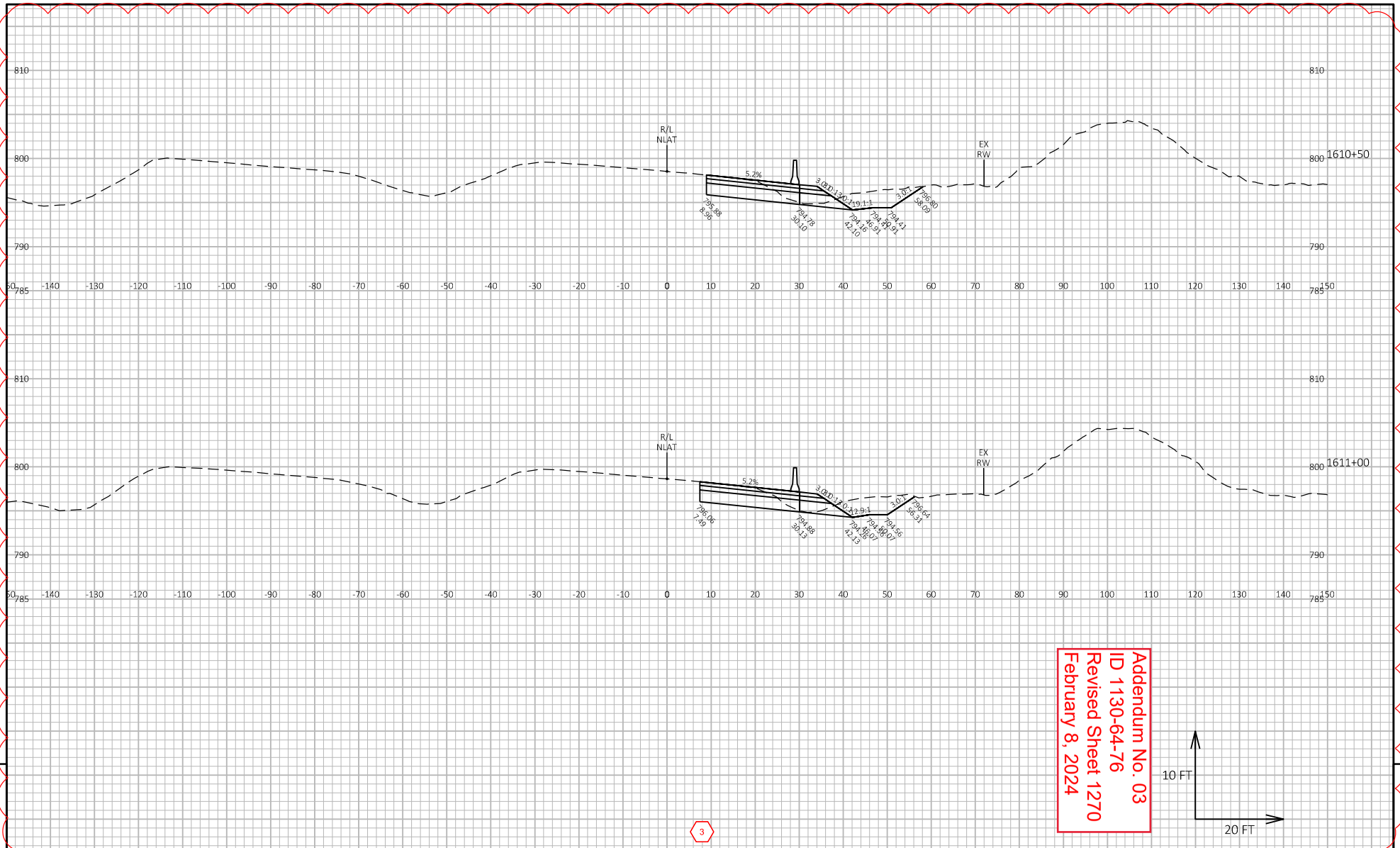
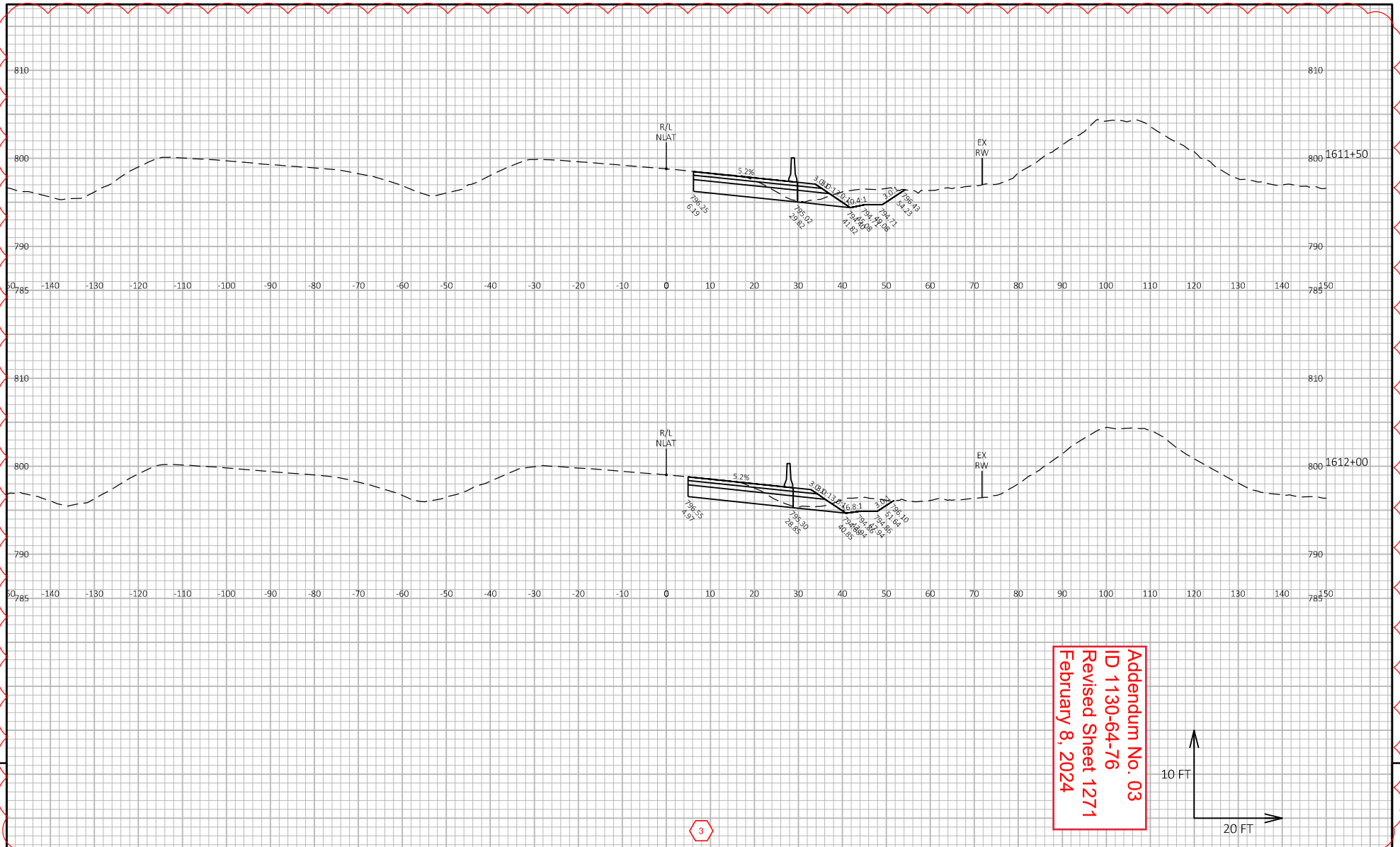
WISDOT/CADDS SHEET 49



PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1270	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 12
PLOT DATE : 2/6/2024 12:49 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



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ID 1130-64-76
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February 8, 2024

10 FT
20 FT

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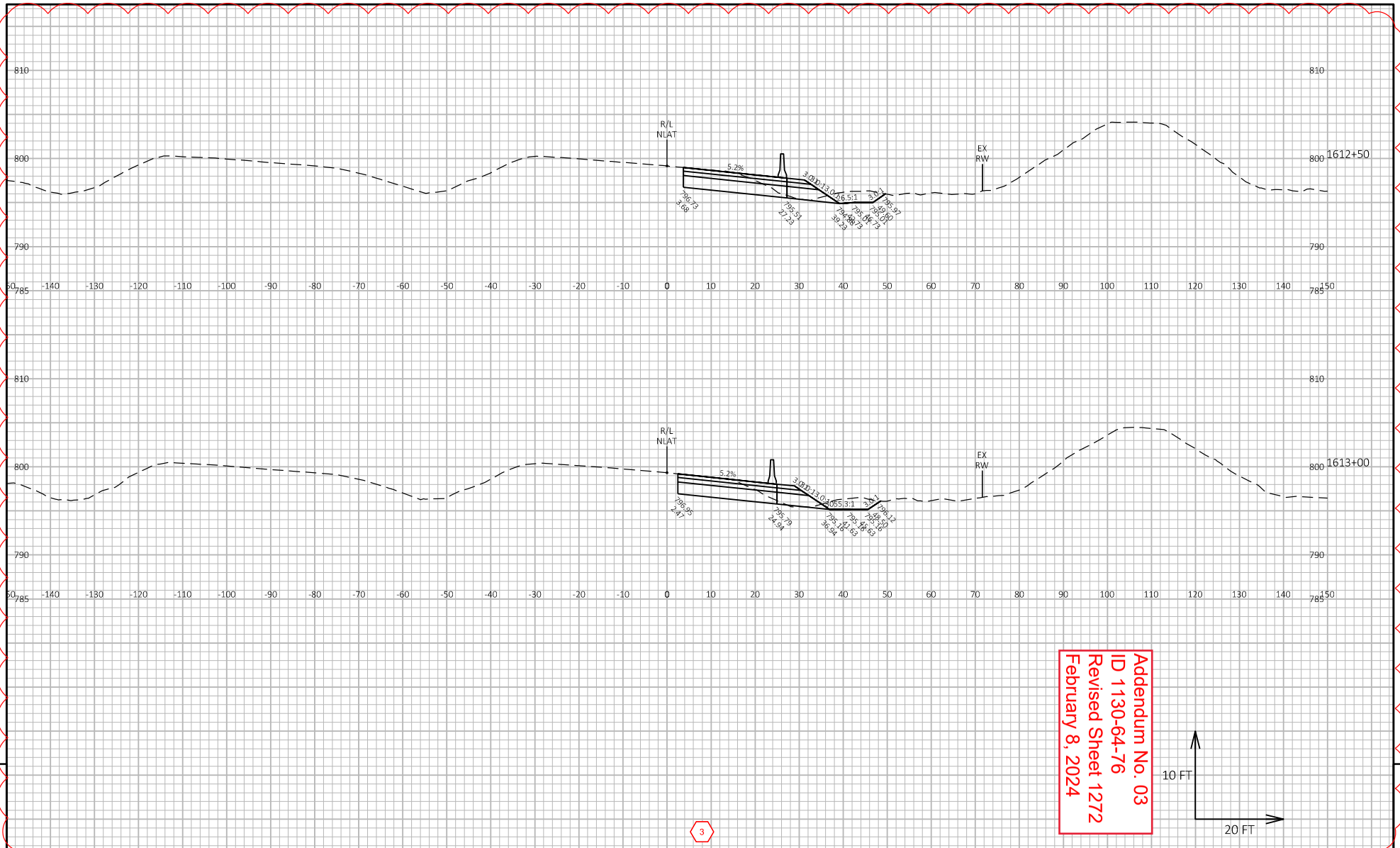
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1271	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 13
PLOT DATE : 2/6/2024 12:49 AM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:20 FT



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February 8, 2024

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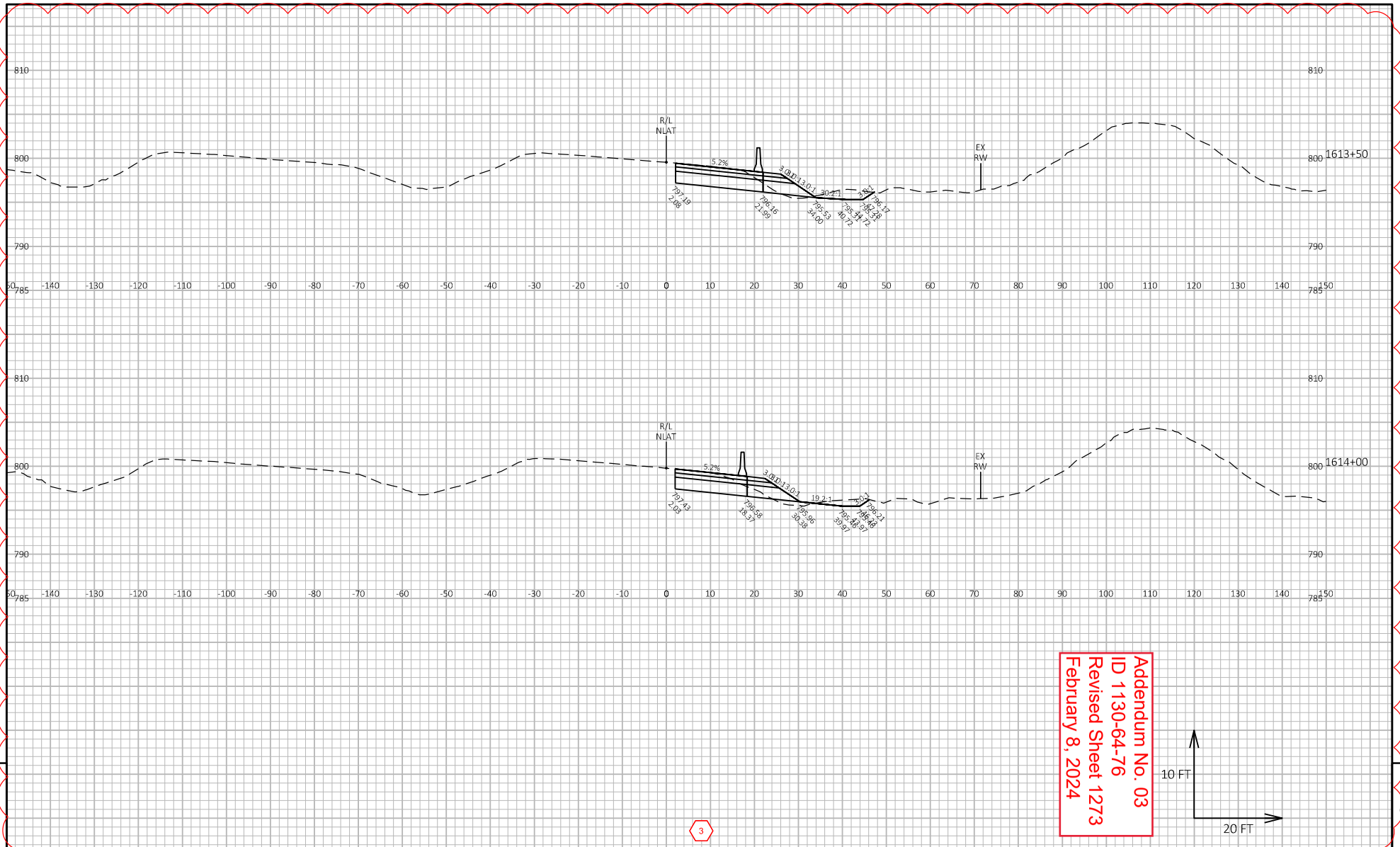
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1272	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 2/6/2024 12:49 AM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



Addendum No. 03
ID 1130-64-76
Revised Sheet 1273
February 8, 2024

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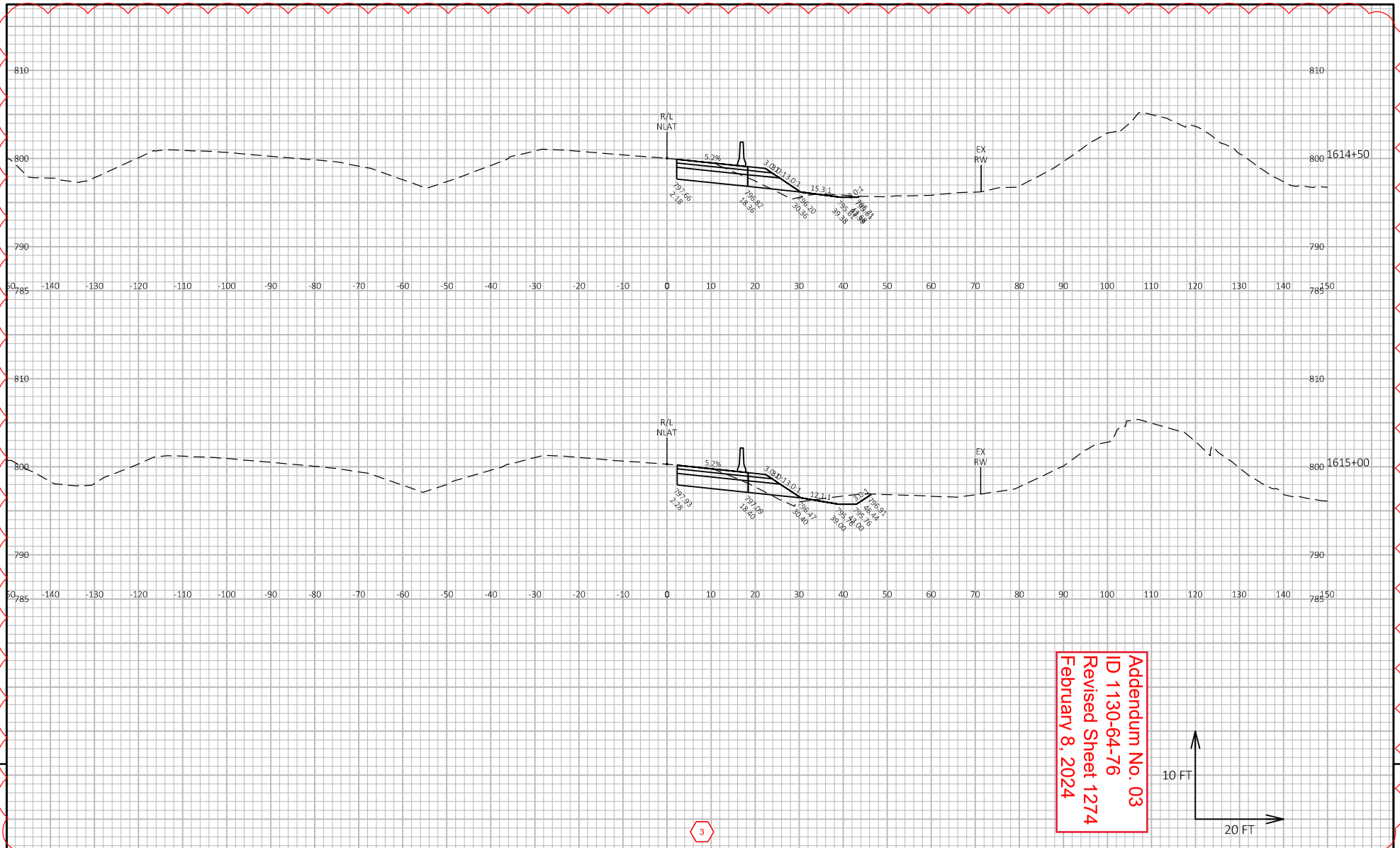
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1273	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 15
PLOT DATE : 2/6/2024 12:49 AM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



Addendum No. 03
ID 1130-64-76
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February 8, 2024

10 FT
20 FT

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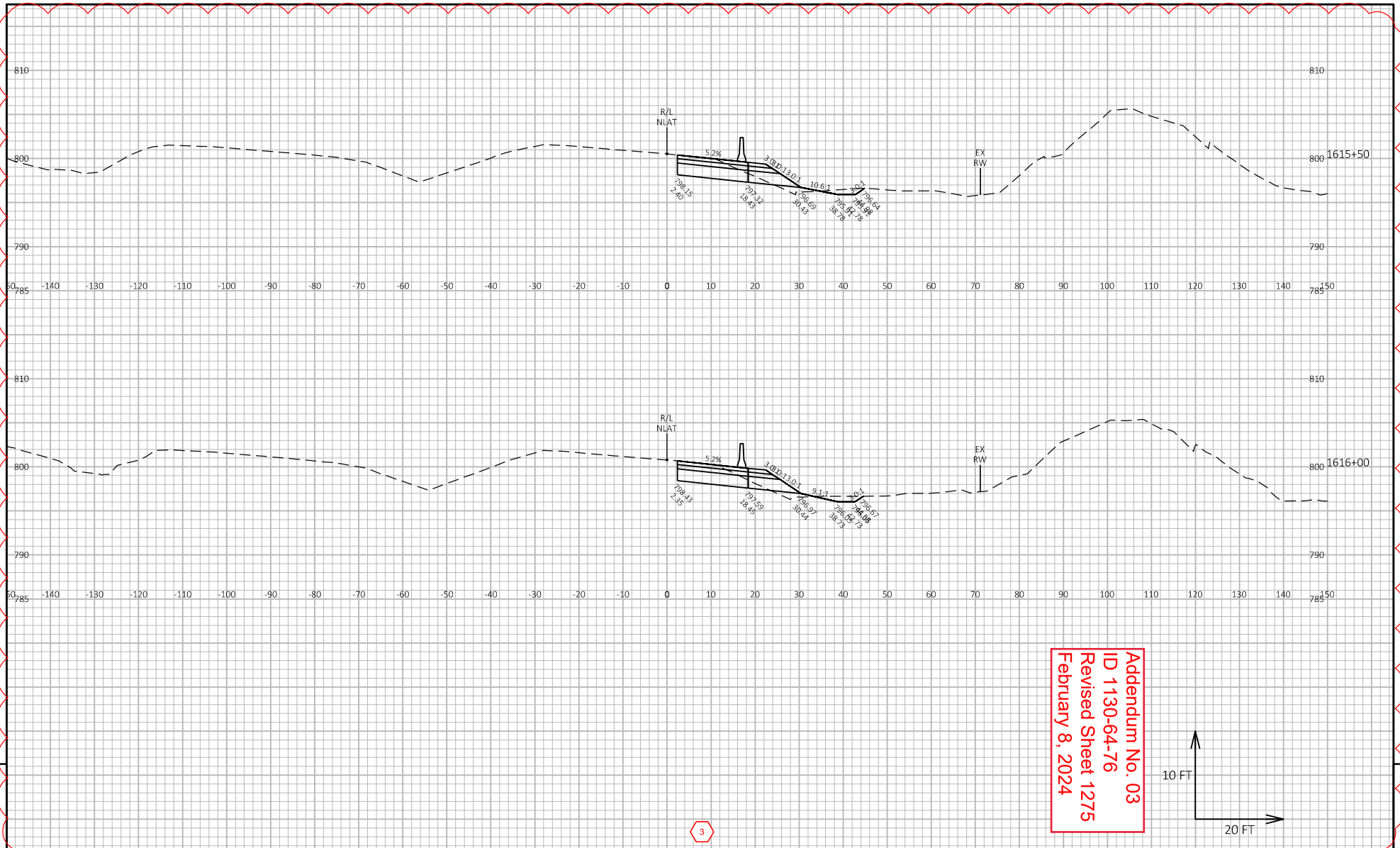
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1274	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 16
PLOT DATE : 2/6/2024 12:50 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



Addendum No. 03
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Revised Sheet 1275
February 8, 2024

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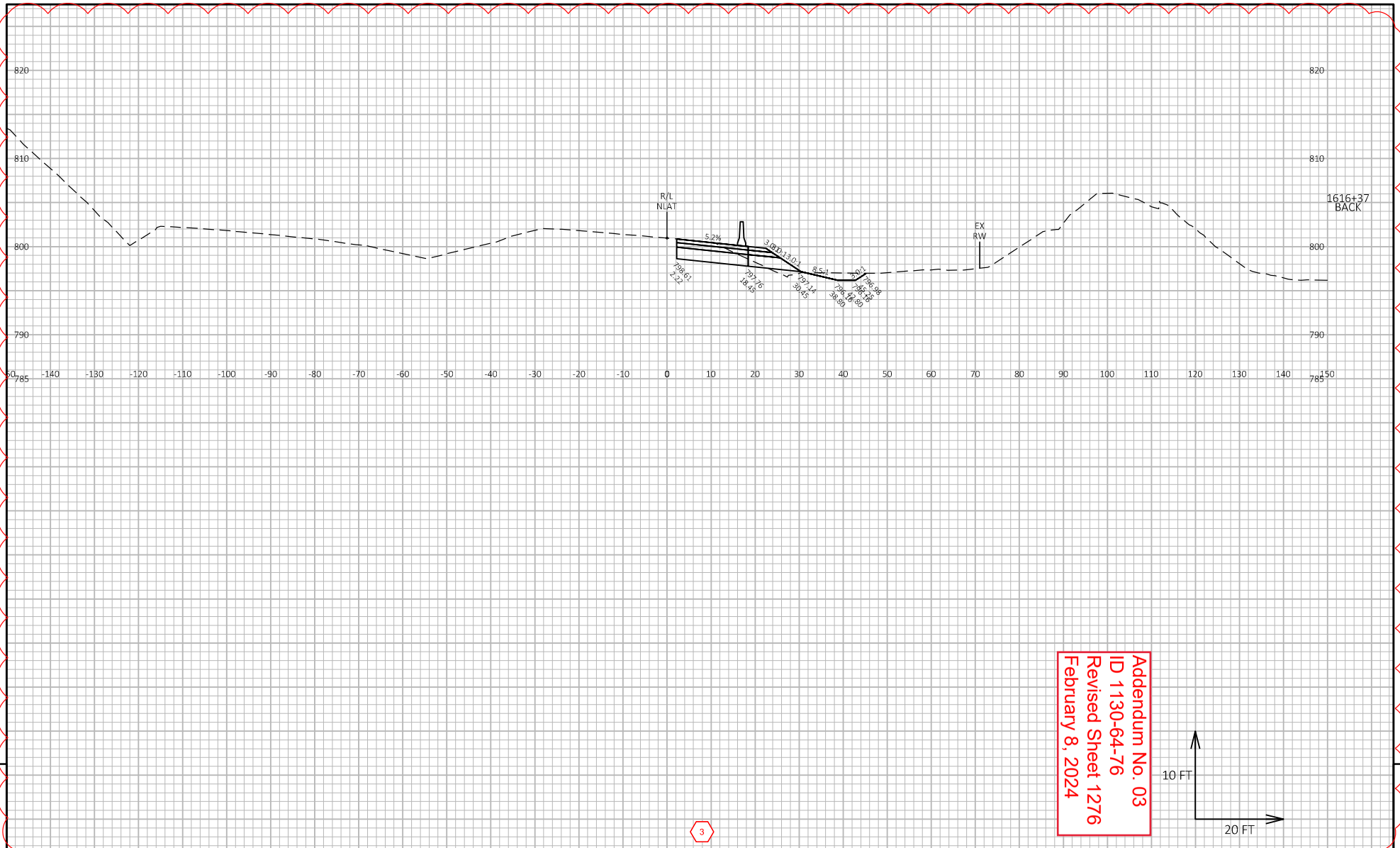
PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1275	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 17
PLOT DATE : 2/6/2024 12:50 AM
PLOT BY : RJ MCKEEVER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



Addendum No. 03
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Revised Sheet 1276
February 8, 2024

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PROJECT NO: 1130-64-76	HWY: IH 41	COUNTY: OUTAGAMIE	CROSS SECTIONS: R/L NLA TEMP - RAMP NLA INTERIM	SHEET 1276	E

FILE NAME : C:\USERS\RMCKEEVER\DC\ACCDOCS\WISDOT\11306301\PROJECT FILES\DSGN\11306476\SHEETS\090209-TEMP-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 2/6/2024 12:50 AM PLOT BY : RJ MCKEEVER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0205 Grubbing	53.000 STA	_____.____	_____.____
0004	203.0220 Removing Structure (structure) 0801. B-44-177	1.000 EACH	_____.____	_____.____
0006	203.0220 Removing Structure (structure) 0802. B-44-178	1.000 EACH	_____.____	_____.____
0008	203.0220 Removing Structure (structure) 0803. B-44-024	1.000 EACH	_____.____	_____.____
0010	204.0100 Removing Concrete Pavement	34,100.000 SY	_____.____	_____.____
0012	204.0155 Removing Concrete Sidewalk	65.000 SY	_____.____	_____.____
0014	204.0157 Removing Concrete Barrier	1,614.000 LF	_____.____	_____.____
0016	204.0165 Removing Guardrail	4,030.000 LF	_____.____	_____.____
0018	204.0170 Removing Fence	690.000 LF	_____.____	_____.____
0020	204.0190 Removing Surface Drains	6.000 EACH	_____.____	_____.____
0022	204.0195 Removing Concrete Bases	24.000 EACH	_____.____	_____.____
0024	204.0210 Removing Manholes	1.000 EACH	_____.____	_____.____
0026	204.0220 Removing Inlets	29.000 EACH	_____.____	_____.____
0028	204.0245 Removing Storm Sewer (size) 0001. 12-Inch	575.000 LF	_____.____	_____.____
0030	204.0245 Removing Storm Sewer (size) 0002. 18-Inch	997.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	204.0245 Removing Storm Sewer (size) 0003. 24-Inch	462.000 LF	_____.____	_____.____
0034	204.0245 Removing Storm Sewer (size) 0004. 30-Inch	184.000 LF	_____.____	_____.____
0036	204.0245 Removing Storm Sewer (size) 0005. 36-Inch	1,083.000 LF	_____.____	_____.____
0038	204.0245 Removing Storm Sewer (size) 0006. 36-Inch	69.000 LF	_____.____	_____.____
0040	204.0265 Abandoning Wells	7.000 EACH	_____.____	_____.____
0042	204.9060.S Removing (item description) 0103. Removing Apron Endwalls	40.000 EACH	_____.____	_____.____
0044	204.9060.S Removing (item description) 0701. Communications Vault	3.000 EACH	_____.____	_____.____
0046	205.0100 Excavation Common	289,124.000 CY	_____.____	_____.____
0048	205.0400 Excavation Marsh	8,793.000 CY	_____.____	_____.____
0050	206.1001 Excavation for Structures Bridges (structure) 0801. B-44-315	1.000 EACH	_____.____	_____.____
0052	206.1001 Excavation for Structures Bridges (structure) 0802. B-44-316	1.000 EACH	_____.____	_____.____
0054	206.1001 Excavation for Structures Bridges (structure) 0803. B-44-317	1.000 EACH	_____.____	_____.____
0056	209.0200.S Backfill Controlled Low Strength	13.000 CY	_____.____	_____.____
0058	209.2100 Backfill Granular Grade 2	950.000 CY	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	210.1500 Backfill Structure Type A	4,286.000 TON	_____.____	_____.____
0062	213.0100 Finishing Roadway (project) 0001. 1130-64-76	1.000 EACH	_____.____	_____.____
0064	213.0100 Finishing Roadway (project) 0002. 1130-64-81	1.000 EACH	_____.____	_____.____
0066	214.0100 Obliterating Old Road	9.000 STA	_____.____	_____.____
0068	305.0110 Base Aggregate Dense 3/4-Inch	586.000 TON	_____.____	_____.____
0070	305.0120 Base Aggregate Dense 1 1/4-Inch	42,882.000 TON	_____.____	_____.____
0072	305.0130 Base Aggregate Dense 3-Inch	4,660.000 TON	_____.____	_____.____
0074	310.0115 Base Aggregate Open-Graded	180.000 CY	_____.____	_____.____
0076	312.0110 Select Crushed Material	169,834.000 TON	_____.____	_____.____
0078	312.0115 Select Crushed Material	562.000 CY	_____.____	_____.____
0080	390.0100 Removing Pavement for Base Patching	50.000 CY	_____.____	_____.____
0082	390.0201 Base Patching Asphaltic	74.000 TON	_____.____	_____.____
0086	405.0200 Coloring Concrete Custom	380.000 CY	_____.____	_____.____
0088	415.0090 Concrete Pavement 9-Inch	24,830.000 SY	_____.____	_____.____
0090	415.0095 Concrete Pavement 9 1/2-Inch	22,360.000 SY	_____.____	_____.____
0092	415.0410 Concrete Pavement Approach Slab	526.000 SY	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0094	416.0620 Drilled Dowel Bars	500.000 EACH	_____.____	_____.____
0096	416.9100.S Filling Concrete Shoulder Rumble Strips (size) 0001. 24-Inch	30.000 EACH	_____.____	_____.____
0098	420.1000 Continuous Diamond Grinding Concrete Pavement	293.000 SY	_____.____	_____.____
0100	455.0605 Tack Coat	2,551.000 GAL	_____.____	_____.____
0102	460.2000 Incentive Density HMA Pavement	490.000 DOL	1.00000	490.00
0104	460.5223 HMA Pavement 3 LT 58-28 S	186.000 TON	_____.____	_____.____
0106	460.5224 HMA Pavement 4 LT 58-28 S	403.000 TON	_____.____	_____.____
0108	460.6223 HMA Pavement 3 MT 58-28 S	153.000 TON	_____.____	_____.____
0110	465.0105 Asphaltic Surface	6,820.000 TON	_____.____	_____.____
0112	465.0120 Asphaltic Surface Driveways and Field Entrances	45.000 TON	_____.____	_____.____
0114	495.1000.S Cold Patch	10.000 TON	_____.____	_____.____
0116	501.1000.S Ice Hot Weather Concreting	24,113.000 LB	_____.____	_____.____
0118	502.0100 Concrete Masonry Bridges	1,092.000 CY	_____.____	_____.____
0120	502.3200 Protective Surface Treatment	4,721.000 SY	_____.____	_____.____
0122	502.3210 Pigmented Surface Sealer	1,535.000 SY	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0124	503.0137 Prestressed Girder Type I 36W-Inch	2,110.000 LF	_____.____	_____.____
0126	503.0146 Prestressed Girder Type I 45W-Inch	2,180.000 LF	_____.____	_____.____
0128	504.0500 Concrete Masonry Retaining Walls	180.000 CY	_____.____	_____.____
0130	505.0400 Bar Steel Reinforcement HS Structures	44,590.000 LB	_____.____	_____.____
0132	505.0600 Bar Steel Reinforcement HS Coated Structures	570,350.000 LB	_____.____	_____.____
0134	505.0800.S Bar Steel Reinforcement HS Stainless Structures	6,730.000 LB	_____.____	_____.____
0136	506.2605 Bearing Pads Elastomeric Non-Laminated	104.000 EACH	_____.____	_____.____
0138	506.4000 Steel Diaphragms (structure) 0801. B-44-315	12.000 EACH	_____.____	_____.____
0140	506.4000 Steel Diaphragms (structure) 0802. B-44-316	12.000 EACH	_____.____	_____.____
0142	506.4000 Steel Diaphragms (structure) 0803. B-44-0317	35.000 EACH	_____.____	_____.____
0144	511.1200 Temporary Shoring (structure) 0900. R-44-30	1,085.000 SF	_____.____	_____.____
0146	513.2001 Railing Pipe	370.000 LF	_____.____	_____.____
0148	516.0500 Rubberized Membrane Waterproofing	131.000 SY	_____.____	_____.____
0150	522.0415 Culvert Pipe Reinforced Concrete Class IV 15-Inch	37.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0152	522.0424 Culvert Pipe Reinforced Concrete Class IV 24-Inch	370.000 LF	_____.____	_____.____
0154	522.0430 Culvert Pipe Reinforced Concrete Class IV 30-Inch	178.000 LF	_____.____	_____.____
0156	522.0436 Culvert Pipe Reinforced Concrete Class IV 36-Inch	146.000 LF	_____.____	_____.____
0158	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	8.000 EACH	_____.____	_____.____
0160	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	7.000 EACH	_____.____	_____.____
0162	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	7.000 EACH	_____.____	_____.____
0164	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	8.000 EACH	_____.____	_____.____
0166	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	4.000 EACH	_____.____	_____.____
0168	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	2.000 EACH	_____.____	_____.____
0170	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	4.000 EACH	_____.____	_____.____
0172	531.2036 Drilling Shaft 36-Inch	10.000 LF	_____.____	_____.____
0174	531.2042 Drilling Shaft 42-Inch	138.000 LF	_____.____	_____.____
0176	531.4050 Foundation Camera Pole 50-FT	1.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0178	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1000. S-44-324	2.000 EACH	_____.____	_____.____
0180	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1001. S-44-325	2.000 EACH	_____.____	_____.____
0182	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1002. S-44-328	2.000 EACH	_____.____	_____.____
0184	531.5440 Foundation Single-Shaft Type TF-IV (structure) 1003. S-44-329	2.000 EACH	_____.____	_____.____
0186	531.8990 Anchor Assemblies Poles on Structures	6.000 EACH	_____.____	_____.____
0188	532.5440 Truss Full Span 2-Chord Type IV (structure) 1000. S-44-324	1.000 EACH	_____.____	_____.____
0190	532.5440 Truss Full Span 2-Chord Type IV (structure) 1001. S-44-325	1.000 EACH	_____.____	_____.____
0192	532.5440 Truss Full Span 2-Chord Type IV (structure) 1002. S-44-326	1.000 EACH	_____.____	_____.____
0194	532.5440 Truss Full Span 2-Chord Type IV (structure) 1003. S-44-327	1.000 EACH	_____.____	_____.____
0196	532.5440 Truss Full Span 2-Chord Type IV (structure) 1004. S-44-328	1.000 EACH	_____.____	_____.____
0198	532.5440 Truss Full Span 2-Chord Type IV (structure) 1005. S-44-329	1.000 EACH	_____.____	_____.____
0200	550.0500 Pile Points	220.000 EACH	_____.____	_____.____
0202	550.1120 Piling Steel HP 12-Inch X 53 Lb	10,245.000 LF	_____.____	_____.____
0204	601.0205 Concrete Gutter 24-Inch	100.000 LF	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0206	601.0409 Concrete Curb & Gutter 30-Inch Type A	2,410.000 LF	_____.____	_____.____
0208	601.0411 Concrete Curb & Gutter 30-Inch Type D	463.000 LF	_____.____	_____.____
0210	601.0452 Concrete Curb & Gutter Integral 30-Inch Type D	11,583.000 LF	_____.____	_____.____
0212	601.0600 Concrete Curb Pedestrian	979.000 LF	_____.____	_____.____
0214	602.0405 Concrete Sidewalk 4-Inch	41,300.000 SF	_____.____	_____.____
0216	602.0415 Concrete Sidewalk 6-Inch	1,590.000 SF	_____.____	_____.____
0218	602.0505 Curb Ramp Detectable Warning Field Yellow	121.000 SF	_____.____	_____.____
0220	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	317.000 SF	_____.____	_____.____
0222	602.0810 Concrete Driveway 6-Inch	12.000 SY	_____.____	_____.____
0224	602.3010 Concrete Surface Drains	2.500 CY	_____.____	_____.____
0226	603.1142 Concrete Barrier Type S42	2,138.000 LF	_____.____	_____.____
0228	603.8000 Concrete Barrier Temporary Precast Delivered	30,547.000 LF	_____.____	_____.____
0230	603.8125 Concrete Barrier Temporary Precast Installed	32,047.000 LF	_____.____	_____.____
0232	603.8500 Anchoring Concrete Barrier Temporary Precast	669.000 LF	_____.____	_____.____
0234	604.0400 Slope Paving Concrete	607.000 SY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0236	606.0200 Riprap Medium	342.000 CY	_____.____	_____.____
0238	606.0300 Riprap Heavy	280.000 CY	_____.____	_____.____
0240	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	283.000 LF	_____.____	_____.____
0242	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	399.000 LF	_____.____	_____.____
0244	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	746.000 LF	_____.____	_____.____
0246	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	209.000 LF	_____.____	_____.____
0248	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	464.000 LF	_____.____	_____.____
0250	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	1,653.000 LF	_____.____	_____.____
0252	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	2,733.000 LF	_____.____	_____.____
0254	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	1,225.000 LF	_____.____	_____.____
0256	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	879.000 LF	_____.____	_____.____
0258	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	438.000 LF	_____.____	_____.____
0260	608.0442 Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	1,345.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0262	608.2419 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	93.000 LF	_____.____	_____.____
0264	608.2424 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	146.000 LF	_____.____	_____.____
0266	611.0530 Manhole Covers Type J	14.000 EACH	_____.____	_____.____
0268	611.0535 Manhole Covers Type J-Special	2.000 EACH	_____.____	_____.____
0270	611.0606 Inlet Covers Type B	1.000 EACH	_____.____	_____.____
0272	611.0610 Inlet Covers Type BW	14.000 EACH	_____.____	_____.____
0274	611.0612 Inlet Covers Type C	3.000 EACH	_____.____	_____.____
0276	611.0624 Inlet Covers Type H	82.000 EACH	_____.____	_____.____
0278	611.0642 Inlet Covers Type MS	16.000 EACH	_____.____	_____.____
0280	611.0654 Inlet Covers Type V	2.000 EACH	_____.____	_____.____
0282	611.2003 Manholes 3-FT Diameter	1.000 EACH	_____.____	_____.____
0284	611.2004 Manholes 4-FT Diameter	5.000 EACH	_____.____	_____.____
0286	611.2005 Manholes 5-FT Diameter	38.000 EACH	_____.____	_____.____
0288	611.2006 Manholes 6-FT Diameter	17.000 EACH	_____.____	_____.____
0290	611.2007 Manholes 7-FT Diameter	3.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0292	611.2008 Manholes 8-FT Diameter	1.000 EACH	_____.____	_____.____
0294	611.3004 Inlets 4-FT Diameter	73.000 EACH	_____.____	_____.____
0296	611.3225 Inlets 2x2.5-FT	2.000 EACH	_____.____	_____.____
0298	611.3901 Inlets Median 1 Grate	6.000 EACH	_____.____	_____.____
0300	611.3902 Inlets Median 2 Grate	5.000 EACH	_____.____	_____.____
0302	611.8110 Adjusting Manhole Covers	20.000 EACH	_____.____	_____.____
0304	611.8115 Adjusting Inlet Covers	52.000 EACH	_____.____	_____.____
0306	611.8120.S Cover Plates Temporary	72.000 EACH	_____.____	_____.____
0308	611.9850.S Pipe Grates (size) 0001. 30-Inch	1.000 EACH	_____.____	_____.____
0310	611.9850.S Pipe Grates (size) 0002. 42-Inch	1.000 EACH	_____.____	_____.____
0312	612.0106 Pipe Underdrain 6-Inch	5,300.000 LF	_____.____	_____.____
0314	612.0206 Pipe Underdrain Unperforated 6-Inch	300.000 LF	_____.____	_____.____
0316	612.0406 Pipe Underdrain Wrapped 6-Inch	1,789.000 LF	_____.____	_____.____
0318	612.0700 Drain Tile Exploration	50.000 LF	_____.____	_____.____
0320	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	10.000 EACH	_____.____	_____.____
0322	614.0150 Anchor Assemblies for Steel Plate Beam Guard	2.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0324	614.0395 Guardrail Mow Strip Concrete	394.000 SY	_____.____	_____.____
0326	614.0396 Guardrail Mow Strip Asphalt	166.000 SY	_____.____	_____.____
0328	614.0905 Crash Cushions Temporary	6.000 EACH	_____.____	_____.____
0330	614.2300 MGS Guardrail 3	225.000 LF	_____.____	_____.____
0332	614.2500 MGS Thrie Beam Transition	551.600 LF	_____.____	_____.____
0334	614.2610 MGS Guardrail Terminal EAT	14.000 EACH	_____.____	_____.____
0336	616.0206 Fence Chain Link 6-FT	2,497.000 LF	_____.____	_____.____
0338	616.0329 Gates Chain Link (width) 0001. 16 ft	3.000 EACH	_____.____	_____.____
0340	616.0700.S Fence Safety	350.000 LF	_____.____	_____.____
0342	618.0100 Maintenance and Repair of Haul Roads (project) 0001. 1130-64-76	1.000 EACH	_____.____	_____.____
0344	618.0100 Maintenance and Repair of Haul Roads (project) 0002. 1130-64-81	1.000 EACH	_____.____	_____.____
0346	619.1000 Mobilization	1.000 EACH	_____.____	_____.____
0348	620.0300 Concrete Median Sloped Nose	245.000 SF	_____.____	_____.____
0350	623.0200 Dust Control Surface Treatment	67,217.000 SY	_____.____	_____.____
0352	624.0100 Water	1,565.000 MGAL	_____.____	_____.____
0354	625.0500 Salvaged Topsoil	184,970.000 SY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0356	628.1504 Silt Fence	13,840.000 LF	_____.____	_____.____
0358	628.1520 Silt Fence Maintenance	135,070.000 LF	_____.____	_____.____
0360	628.1905 Mobilizations Erosion Control	20.000 EACH	_____.____	_____.____
0362	628.1910 Mobilizations Emergency Erosion Control	20.000 EACH	_____.____	_____.____
0364	628.2002 Erosion Mat Class I Type A	163,100.000 SY	_____.____	_____.____
0366	628.2008 Erosion Mat Urban Class I Type B	9,200.000 SY	_____.____	_____.____
0368	628.7005 Inlet Protection Type A	123.000 EACH	_____.____	_____.____
0370	628.7015 Inlet Protection Type C	117.000 EACH	_____.____	_____.____
0372	628.7020 Inlet Protection Type D	10.000 EACH	_____.____	_____.____
0374	628.7504 Temporary Ditch Checks	802.000 LF	_____.____	_____.____
0376	628.7555 Culvert Pipe Checks	38.000 EACH	_____.____	_____.____
0378	628.7560 Tracking Pads	10.000 EACH	_____.____	_____.____
0380	628.7570 Rock Bags	38.000 EACH	_____.____	_____.____
0382	629.0210 Fertilizer Type B	12.000 CWT	_____.____	_____.____
0384	630.0130 Seeding Mixture No. 30	7,680.000 LB	_____.____	_____.____
0386	630.0175 Seeding Mixture No. 75	16.000 LB	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0388	630.0500 Seed Water	4,660.000 MGAL	_____.____	_____.____
0390	633.5200 Markers Culvert End	36.000 EACH	_____.____	_____.____
0392	634.0614 Posts Wood 4x6-Inch X 14-FT	23.000 EACH	_____.____	_____.____
0394	634.0616 Posts Wood 4x6-Inch X 16-FT	25.000 EACH	_____.____	_____.____
0396	634.0618 Posts Wood 4x6-Inch X 18-FT	13.000 EACH	_____.____	_____.____
0398	637.1220 Signs Type I Reflective SH	1,365.000 SF	_____.____	_____.____
0400	637.2210 Signs Type II Reflective H	783.380 SF	_____.____	_____.____
0402	637.2215 Signs Type II Reflective H Folding	102.880 SF	_____.____	_____.____
0404	637.2230 Signs Type II Reflective F	130.000 SF	_____.____	_____.____
0406	638.2102 Moving Signs Type II	48.000 EACH	_____.____	_____.____
0408	638.2601 Removing Signs Type I	4.000 EACH	_____.____	_____.____
0410	638.2602 Removing Signs Type II	62.000 EACH	_____.____	_____.____
0412	638.3000 Removing Small Sign Supports	73.000 EACH	_____.____	_____.____
0414	638.3100 Removing Structural Steel Sign Supports	4.000 EACH	_____.____	_____.____
0416	638.4000 Moving Small Sign Supports	7.000 EACH	_____.____	_____.____
0418	640.1303.S Pond Liner Clay	17,090.000 CY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0420	640.1305.S Clay Cover	800.000 CY	_____.____	_____.____
0422	643.0300 Traffic Control Drums	85,560.000 DAY	_____.____	_____.____
0424	643.0420 Traffic Control Barricades Type III	9,559.000 DAY	_____.____	_____.____
0426	643.0705 Traffic Control Warning Lights Type A	17,851.000 DAY	_____.____	_____.____
0428	643.0715 Traffic Control Warning Lights Type C	19,542.000 DAY	_____.____	_____.____
0430	643.0800 Traffic Control Arrow Boards	1,371.000 DAY	_____.____	_____.____
0432	643.0900 Traffic Control Signs	144,750.000 DAY	_____.____	_____.____
0434	643.0910 Traffic Control Covering Signs Type I	9.000 EACH	_____.____	_____.____
0436	643.0920 Traffic Control Covering Signs Type II	22.000 EACH	_____.____	_____.____
0438	643.1000 Traffic Control Signs Fixed Message	304.000 SF	_____.____	_____.____
0440	643.1050 Traffic Control Signs PCMS	613.000 DAY	_____.____	_____.____
0442	643.1205.S Basic Traffic Queue Warning System	324.000 DAY	_____.____	_____.____
0444	643.3165 Temporary Marking Line Paint 6-Inch	25,200.000 LF	_____.____	_____.____
0446	643.3265 Temporary Marking Line Paint 10-Inch	1,300.000 LF	_____.____	_____.____
0448	643.3760 Temporary Marking Raised Pavement Marker Type I	400.000 EACH	_____.____	_____.____
0450	643.5000 Traffic Control	1.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0452	645.0105 Geotextile Type C	855.000 SY	_____.____	_____.____
0454	645.0111 Geotextile Type DF Schedule A	2,465.000 SY	_____.____	_____.____
0456	645.0120 Geotextile Type HR	28,910.000 SY	_____.____	_____.____
0458	645.0140 Geotextile Type SAS	9,167.000 SY	_____.____	_____.____
0460	646.1020 Marking Line Epoxy 4-Inch	6,950.000 LF	_____.____	_____.____
0462	646.2020 Marking Line Epoxy 6-Inch	32,293.000 LF	_____.____	_____.____
0464	646.2040 Marking Line Grooved Wet Ref Epoxy 6-Inch	24,263.000 LF	_____.____	_____.____
0466	646.2050 Marking Line Grooved Permanent Tape 6-Inch	5,375.000 LF	_____.____	_____.____
0468	646.4050 Marking Line Grooved Permanent Tape 10-Inch	9,432.000 LF	_____.____	_____.____
0470	646.5020 Marking Arrow Epoxy	58.000 EACH	_____.____	_____.____
0472	646.5120 Marking Word Epoxy	27.000 EACH	_____.____	_____.____
0474	646.5220 Marking Symbol Epoxy	29.000 EACH	_____.____	_____.____
0476	646.6120 Marking Stop Line Epoxy 18-Inch	437.000 LF	_____.____	_____.____
0478	646.7220 Marking Chevron Epoxy 24-Inch	661.000 LF	_____.____	_____.____
0480	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	656.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0482	646.8105 Marking Curb Paint	70.000 LF	_____.____	_____.____
0484	646.8205 Marking Island Nose Paint	7.000 EACH	_____.____	_____.____
0486	652.0125 Conduit Rigid Metallic 2-Inch	80.000 LF	_____.____	_____.____
0488	652.0210 Conduit Rigid Nonmetallic Schedule 40 1-Inch	395.000 LF	_____.____	_____.____
0490	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	9,111.000 LF	_____.____	_____.____
0492	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	5,459.000 LF	_____.____	_____.____
0494	652.0325 Conduit Rigid Nonmetallic Schedule 80 2-Inch	150.000 LF	_____.____	_____.____
0496	652.0335 Conduit Rigid Nonmetallic Schedule 80 3-Inch	1,610.000 LF	_____.____	_____.____
0498	652.0800 Conduit Loop Detector	2,839.000 LF	_____.____	_____.____
0500	653.0154 Pull Boxes Non-Conductive 24x36-Inch	4.000 EACH	_____.____	_____.____
0502	653.0164 Pull Boxes Non-Conductive 24x42-Inch	70.000 EACH	_____.____	_____.____
0504	653.0222 Junction Boxes 18x12x6-Inch	6.000 EACH	_____.____	_____.____
0506	653.0905 Removing Pull Boxes	35.000 EACH	_____.____	_____.____
0508	654.0101 Concrete Bases Type 1	11.000 EACH	_____.____	_____.____
0510	654.0102 Concrete Bases Type 2	11.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0512	654.0105 Concrete Bases Type 5	40.000 EACH	_____.____	_____.____
0514	654.0107 Concrete Bases Type 7	3.000 EACH	_____.____	_____.____
0516	654.0110 Concrete Bases Type 10	1.000 EACH	_____.____	_____.____
0518	654.0113 Concrete Bases Type 13	1.000 EACH	_____.____	_____.____
0520	654.0120 Concrete Bases Type 10-Special	3.000 EACH	_____.____	_____.____
0522	654.0217 Concrete Control Cabinet Bases Type 9 Special	1.000 EACH	_____.____	_____.____
0524	654.0230 Concrete Control Cabinet Bases Type L30	1.000 EACH	_____.____	_____.____
0526	655.0230 Cable Traffic Signal 5-14 AWG	12,603.000 LF	_____.____	_____.____
0528	655.0260 Cable Traffic Signal 12-14 AWG	593.000 LF	_____.____	_____.____
0530	655.0305 Cable Type UF 2-12 AWG Grounded	4,075.000 LF	_____.____	_____.____
0532	655.0515 Electrical Wire Traffic Signals 10 AWG	5,399.000 LF	_____.____	_____.____
0534	655.0610 Electrical Wire Lighting 12 AWG	19,630.000 LF	_____.____	_____.____
0536	655.0625 Electrical Wire Lighting 6 AWG	40,847.000 LF	_____.____	_____.____
0538	655.0635 Electrical Wire Lighting 2 AWG	1,935.000 LF	_____.____	_____.____
0540	655.0700 Loop Detector Lead In Cable	7,545.000 LF	_____.____	_____.____
0542	655.0800 Loop Detector Wire	10,834.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0544	655.0900 Traffic Signal EVP Detector Cable	1,117.000 LF	_____.____	_____.____
0546	656.0401 Electrical Service Main Lugs Only Meter Pedestal (location) 0001. CB 200	1.000 EACH	_____.____	_____.____
0548	656.0501 Electrical Service Breaker Disconnect Box (location) 0001. CB-2	1.000 EACH	_____.____	_____.____
0550	657.0100 Pedestal Bases	11.000 EACH	_____.____	_____.____
0552	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	53.000 EACH	_____.____	_____.____
0554	657.0315 Poles Type 4	11.000 EACH	_____.____	_____.____
0556	657.0321 Poles Type 5-Steel	4.000 EACH	_____.____	_____.____
0558	657.0322 Poles Type 5-Aluminum	38.000 EACH	_____.____	_____.____
0560	657.0347 Poles Type 9-Special	1.000 EACH	_____.____	_____.____
0562	657.0350 Poles Type 10	1.000 EACH	_____.____	_____.____
0564	657.0352 Poles Type 10-Special	2.000 EACH	_____.____	_____.____
0566	657.0360 Poles Type 13	1.000 EACH	_____.____	_____.____
0568	657.0420 Traffic Signal Standards Aluminum 13-FT	7.000 EACH	_____.____	_____.____
0570	657.0430 Traffic Signal Standards Aluminum 10-FT	4.000 EACH	_____.____	_____.____
0572	657.0530 Monotube Arms 30-FT	1.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0574	657.0536 Monotube Arms 35-FT-Special	3.000 EACH	_____.____	_____.____
0576	657.0550 Monotube Arms 50-FT	1.000 EACH	_____.____	_____.____
0578	657.0709 Luminaire Arms Truss Type 4-Inch Clamp 12-FT	14.000 EACH	_____.____	_____.____
0580	657.0710 Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	44.000 EACH	_____.____	_____.____
0582	657.0812 Luminaire Arms Steel 12-FT	6.000 EACH	_____.____	_____.____
0584	658.0173 Traffic Signal Face 3S 12-Inch	31.000 EACH	_____.____	_____.____
0588	658.0500 Pedestrian Push Buttons	12.000 EACH	_____.____	_____.____
0590	658.5070 Signal Mounting Hardware (location) 0001. IH 41 NB & STH 15 (S44-0644)	1.000 EACH	_____.____	_____.____
0592	658.5070 Signal Mounting Hardware (location) 0002. IH 41 SB & STH 15 (S44-0665)	1.000 EACH	_____.____	_____.____
0594	659.1120 Luminaires Utility LED B	64.000 EACH	_____.____	_____.____
0596	659.2130 Lighting Control Cabinets 120/240 30-Inch	1.000 EACH	_____.____	_____.____
0598	659.2230 Lighting Control Cabinets 240/480 30-Inch	1.000 EACH	_____.____	_____.____
0600	659.5000.S Lamp, Ballast, LED, Switch Disposal by Contractor	78.000 EACH	_____.____	_____.____
0602	662.1030.S Ramp Closure Gates 30-FT	2.000 EACH	_____.____	_____.____

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0604	662.1040.S Ramp Closure Gates 40-FT	2.000 EACH	_____.____	_____.____
0606	670.0101 Field System Integrator	1.000 EACH	_____.____	_____.____
0608	670.0201 ITS Documentation	1.000 EACH	_____.____	_____.____
0610	671.0132 Conduit HDPE 3-Duct 2-Inch	6,392.000 LF	_____.____	_____.____
0612	671.0232 Conduit HDPE Directional Bore 3-Duct 2-Inch	160.000 LF	_____.____	_____.____
0614	671.0300 Fiber Optic Cable Marker	10.000 EACH	_____.____	_____.____
0616	673.0105 Communication Vault Type 1	3.000 EACH	_____.____	_____.____
0618	673.0110 Communication Vault Type Round	6.000 EACH	_____.____	_____.____
0620	673.0200 Tracer Wire Marker Posts	5.000 EACH	_____.____	_____.____
0622	673.1225.S Install Pole Mounted Cabinet	1.000 EACH	_____.____	_____.____
0624	674.0300 Remove Cable	3,308.000 LF	_____.____	_____.____
0626	677.0150 Install Camera Pole 50-FT	1.000 EACH	_____.____	_____.____
0628	677.0200 Install Camera Assembly	1.000 EACH	_____.____	_____.____
0630	677.9051.S Removing 50-FT Camera Pole	1.000 EACH	_____.____	_____.____
0632	678.0012 Install Fiber Optic Cable Outdoor Plant 12-CT	770.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0634	678.0024 Install Fiber Optic Cable Outdoor Plant 24-CT	897.000 LF	_____.____	_____.____
0636	678.0072 Install Fiber Optic Cable Outdoor Plant 72-CT	5,677.000 LF	_____.____	_____.____
0638	678.0200 Fiber Optic Splice Enclosure	4.000 EACH	_____.____	_____.____
0640	678.0300 Fiber Optic Splice	38.000 EACH	_____.____	_____.____
0642	678.0400 Fiber Optic Termination	4.000 EACH	_____.____	_____.____
0644	678.0501 Communication System Testing	2.000 EACH	_____.____	_____.____
0646	678.0600 Install Ethernet Switches	1.000 EACH	_____.____	_____.____
0648	678.0700 Install Wireless Antennas	2.000 EACH	_____.____	_____.____
0650	690.0150 Sawing Asphalt	330.000 LF	_____.____	_____.____
0652	690.0250 Sawing Concrete	15,100.000 LF	_____.____	_____.____
0654	715.0502 Incentive Strength Concrete Structures	20,370.000 DOL	1.00000	20,370.00
0656	715.0603 Incentive Strength Concrete Barrier	1,069.000 DOL	1.00000	1,069.00
0658	715.0720 Incentive Compressive Strength Concrete Pavement	14,433.000 DOL	1.00000	14,433.00
0660	ASP.1T0A On-the-Job Training Apprentice at $5.00/ HR	2,100.000 HRS	5.00000	10,500.00
0662	ASP.1T0G On-the-Job Training Graduate at $5.00/ HR	6,420.000 HRS	5.00000	32,100.00

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0664	SPV.0035 Special 0100. Roadway Embankment	234,760.000 CY	_____.____	_____.____
0666	SPV.0035 Special 0105. Excavation, Hauling, and Re-Use of Low-Level Contaminated Material	4,160.000 CY	_____.____	_____.____
0668	SPV.0035 Special 0110. Planting Mixture	580.000 CY	_____.____	_____.____
0670	SPV.0035 Special 0800. HPC Masonry Structures	2,123.000 CY	_____.____	_____.____
0672	SPV.0060 Special 0100. Construction Staking Survey Project 1130-64-76	1.000 EACH	_____.____	_____.____
0674	SPV.0060 Special 0101. Construction Staking Survey Project 1130-64-81	1.000 EACH	_____.____	_____.____
0676	SPV.0060 Special 0105. Baseline CPM Progress Schedule	1.000 EACH	_____.____	_____.____
0678	SPV.0060 Special 0110. CPM Progress Schedule and Accepted Revisions	17.000 EACH	_____.____	_____.____
0680	SPV.0060 Special 0120. Settlement Gauges and Monitoring	10.000 EACH	_____.____	_____.____
0682	SPV.0060 Special 0150. Crash Cushions Temporary Left in Place	5.000 EACH	_____.____	_____.____
0684	SPV.0060 Special 0160. Mobilizations Emergency Pavement Repair	2.000 EACH	_____.____	_____.____
0686	SPV.0060 Special 0200. Northland Avenue Pond Outlet Storm Sewer Structure	2.000 EACH	_____.____	_____.____
0688	SPV.0060 Special 0201. Reconnect Storm Sewer	25.000 EACH	_____.____	_____.____
0690	SPV.0060 Special 0203. Storm Sewer Plug	29.000 EACH	_____.____	_____.____

Proposal ID: 20240213018 **Project(s):** 1130-64-76, 1130-64-81

Federal ID(s): WISC 2024306, WISC 2024229

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0692	SPV.0060 Special 0204. Detention Pond Anti Seep Collar	2.000 EACH	_____.____	_____.____
0694	SPV.0060 Special 0205. Cover Plates	53.000 EACH	_____.____	_____.____
0696	SPV.0060 Special 0206. Drain Slotted Vane ADA Compliant	2.000 EACH	_____.____	_____.____
0698	SPV.0060 Special 0207. Manhole 8-FT Riser Pipe Grate	1.000 EACH	_____.____	_____.____
0700	SPV.0060 Special 0500. Anchor Bolt Cover Shroud	3.000 EACH	_____.____	_____.____
0702	SPV.0060 Special 0501. Concrete Control Cabinet Double Base	1.000 EACH	_____.____	_____.____
0704	SPV.0060 Special 0600. Remove Traffic Signal IH 41 SB & STH 15 (S44-0665)	1.000 EACH	_____.____	_____.____
0706	SPV.0060 Special 0601. Remove Traffic Signal IH 41 NB & STH 15 (S44-0664)	1.000 EACH	_____.____	_____.____
0708	SPV.0060 Special 0701. Salvaging Ramp Gate System	4.000 EACH	_____.____	_____.____
0710	SPV.0060 Special 1000. Temporary Overhead Sign Structure (S-01-0001-TEMP)	1.000 EACH	_____.____	_____.____
0712	SPV.0060 Special 1005. Transporting Temporary Overhead Sign Structure (S-01-0001-TEMP)	1.000 EACH	_____.____	_____.____
0714	SPV.0060 Special 1200. Reconstructing Sanitary Manhole	4.000 EACH	_____.____	_____.____
0716	SPV.0060 Special 1201. Adjusting Water Valve Box	5.000 EACH	_____.____	_____.____

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SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0718	SPV.0060 Special 1202. Adjusting Sanitary Manhole	1.000 EACH	_____.____	_____.____
0720	SPV.0075 Special 0100. Street Sweeping	120.000 HRS	_____.____	_____.____
0722	SPV.0085 Special 0100. Low Maintenance Seed Mix	750.000 LB	_____.____	_____.____
0724	SPV.0090 Special 0100. Removal and Salvage of High-Tension Cable Guard and Posts	11,590.000 LF	_____.____	_____.____
0726	SPV.0090 Special 0150. Concrete Barrier Temporary Precast Left in Place	27,700.000 LF	_____.____	_____.____
0728	SPV.0090 Special 0200. Sump Pump Connections	100.000 LF	_____.____	_____.____
0730	SPV.0090 Special 0205. Precast Trench Drain	50.000 LF	_____.____	_____.____
0732	SPV.0090 Special 0600. Drilling Shaft 42-Inch Special	35.000 LF	_____.____	_____.____
0734	SPV.0090 Special 0801. Fence Chain Link Polymer Coated 6-Ft B-44-315	379.000 LF	_____.____	_____.____
0736	SPV.0090 Special 0802. Fence Chain Link Polymer Coated 6-FT B-44-316	379.000 LF	_____.____	_____.____
0738	SPV.0090 Special 0803. Fence Chain Link Polymer Coated 6-FT B-44-317	628.000 LF	_____.____	_____.____
0740	SPV.0090 Special 0804. PVC Pipe Sleeve	20.000 LF	_____.____	_____.____
0742	SPV.0090 Special 0900. Fence Chain Link Polymer-Coated 6-Ft R-44-30	182.000 LF	_____.____	_____.____
0744	SPV.0090 Special 0901. Fence Chain Link Polymer-Coated 6-Ft R-44-31	202.000 LF	_____.____	_____.____

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SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0746	SPV.0090 Special 0902. Fence Chain Link Polymer-Coated 6-Ft R-44-32	168.000 LF	_____.____	_____.____
0748	SPV.0090 Special 0903. Fence Chain Link Polymer-Coated 8-Ft R-44-33	387.000 LF	_____.____	_____.____
0750	SPV.0090 Special 1000. Drilling Shaft 48-Inch Special	46.000 LF	_____.____	_____.____
0752	SPV.0165 Special 0800. Longitudinal Grooving Bridge Deck	28,421.000 SF	_____.____	_____.____
0754	SPV.0165 Special 0900. Wall Concrete Mechanically Stabilized Earth R-44-30	5,613.000 SF	_____.____	_____.____
0756	SPV.0165 Special 0901. Wall Concrete Panel Mechanically Stabilized Earth R-44-31	5,751.000 SF	_____.____	_____.____
0758	SPV.0165 Special 0902. Wall Concrete Panel Mechanically Stabilized Earth R-44-32	3,522.000 SF	_____.____	_____.____
0760	SPV.0165 Special 0903. Wall Concrete Panel Mechanically Stabilized Earth R-44-33	3,005.000 SF	_____.____	_____.____
0762	SPV.0165 Special 0904. Wall Concrete Panel Mechanically Stabilized Earth R-44-56	5,880.000 SF	_____.____	_____.____
0766	SPV.0195 Special 0101. Hauling and Disposal of Contaminated Soil	44.000 TON	_____.____	_____.____
0770	608.3018 Storm Sewer Pipe Class III-A 18-Inch	410.000 LF	_____.____	_____.____
0772	628.7515.S Stone Ditch Checks	90.000 CY	_____.____	_____.____
0774	645.0130 Geotextile Type R	300.000 SY	_____.____	_____.____

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SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0776	SPV.0090 Special 0500. Liquid Tight Flexible Nonmetallic Schedule 80 2-Inch	120.000 LF	_____.____	_____.____
0778	SPV.0090 Special 0155. HMA Longitudinal Joint Repair	1,500.000 LF	_____.____	_____.____
0780	204.0130 Removing Curb	156.000 LF	_____.____	_____.____
0782	416.0610 Drilled Tie Bars	60.000 EACH	_____.____	_____.____
0784	601.0115 Concrete Curb Type G	156.000 LF	_____.____	_____.____
0786	656.0201 Electrical Service Meter Breaker Pedestal (location) 0001. S44-0664	1.000 EACH	_____.____	_____.____
0788	656.0201 Electrical Service Meter Breaker Pedestal (location) 0002. S44-0665	1.000 EACH	_____.____	_____.____
0790	658.0416 Pedestrian Signal Face 16-Inch	12.000 EACH	_____.____	_____.____
0792	SPV.0060 Special 0165. Emergency Response to Traffic Involving Concrete Barrier Temporary	5.000 EACH	_____.____	_____.____
0794	SPV.0060 Special 0170. Emergency Response to Traffic Involving Crash Cushions Temporary	5.000 EACH	_____.____	_____.____

Section: 0001 **Total:** _____.____

Total Bid: _____.____