

# HIGHWAY WORK PROPOSAL

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

Proposal Number: **003**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Washington	1330-22-70	N/A	Sth 83 - Hartford To Chenequa; Sth 167 To Monroe Avenue	STH 083

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: \$75,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: July 11, 2023 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code  <div style="text-align: center;"><b>SAMPLE</b></div> <div style="text-align: center;"><b>NOT FOR BIDDING PURPOSES</b></div> This contract is exempt from federal oversight.
Contract Completion Time June 28, 2024	
Assigned Disadvantaged Business Enterprise Goal <b>0%</b>	

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: Grading, Base, Milling, Asphalt Pavement, Curb and Gutter, Sidewalk, Guardrail, Signs, Pavement Markings, Box Culvert Construction, Retaining Wall.	<b>For Department Use Only</b>
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://wisconsin.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](http://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://wisconsin.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://wisconsin.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 envelope 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**

DT1303 1/2006

Wisconsin Department of Transportation

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)

**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

DT1305 8/2003

Wisconsin Department of Transportation

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)



## **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.

## Special Provisions

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## STSP'S Revised January 13, 2023

### SPECIAL PROVISIONS

#### 1. General.

Perform the work under this construction contract for Project 1330-22-70, STH 83 - Hartford to Chenequa, STH 167 to Monroe Avenue, Washington County, 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, 2023 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 (20230113)

#### 2. Scope of Work.

The work under this contract shall consist of removing structure R-66-0080, removing 2-72"x48" corrugated steel pipe arch culverts, removing concrete block endwalls, removing traffic flashing beacons, removing concrete pavement, removing asphaltic surface milling, removing curb & gutter and concrete sidewalk, removing guardrail, excavation common/marsh, excavation for culverts, excavation for retaining walls, maintaining temporary drainage, backfill structure, base aggregate, base patching, asphaltic repair, HMA pavement, wall modular block gravity R-66-0086, concrete box culvert B-66-146, concrete masonry endwalls, bar steel, curb ramps, manhole & inlet reconstruction/adjustments, MGS guardrail, erosion control, restoration, signing, traffic control, marking, traffic flashing beacons, sawing and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

#### 3. Prosecution and Progress.

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

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 ten 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.

Notify the engineer if there are any changes in the schedule, early completions, or cancellations of scheduled work.

The contract time for completion is based on an expedited work schedule and may require extraordinary forces and equipment.

Attend weekly scheduling meetings to discuss the near-term schedule activities, address any long-term schedule issues, and discuss any relevant technical issues. Develop a rolling three-week schedule identifying the previous week worked and a two week "look ahead". Provide sufficient detail to include actual and planned activities and all the subcontractors for offsite and construction activities, addressing all activities to be performed and identifying issues requiring engineering action or input.

Place HMA pavement on milled surfaces within 72 hours of milling operation to minimize stress on the milled surface and the potential for ponding.

Work shall be completed in two phases as follows:

##### Phase 1

Complete the following items of work:

Remove the existing 2-72"x48" corrugated steel pipe arch culverts, concrete block endwalls and associated guardrail at the Ashippun River crossing. Install box culvert B-66-146, concrete masonry

endwalls, and associated MGS guardrail. Additionally, complete roadway reconstruction, milling, HMA pavement, aggregate shoulders, and pavement marking from Station 144+25 to Station 150+25.

## **Phase 2**

Complete all remaining items of work from Station 47+32 to Station 251+74.77 and refresh existing pavement markings from Station 251+74.77 to Station 255+25.

### **Winter Shutdown**

Winter shutdown will commence when all contract work required for the interim completion date of November 16, 2023, has been completed. Do not resume work until April 1, 2024, unless approved by the engineer. Provide a start date in writing at least 14 days prior to the planned start of construction in 2024. Upon approval the engineer will issue a notice to proceed within 10 days of the approved start date.

### **Interim Completion and Liquidated Damages – Phase 1: November 16, 2023**

Complete Phase 1 construction operations on STH 83 to the stage necessary to reopen it to through traffic by November 16, 2023. Do not reopen until completing the following work: removing and replacing the 2-72"x48" corrugated steel pipe arch culverts and concrete block endwalls at the Ashippun River with concrete box culvert B-66-146 and concrete masonry endwalls; placing riprap; backfilling and grading for pavement reconstruction; asphaltic surface milling and HMA paving; removing and replacing existing guardrail with MGS guardrail; pavement marking; and restoration.

If the contractor fails to complete the work necessary to reopen STH 83 to traffic by November 16, 2023, 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 November 17, 2023. 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.

### **Enhanced Final Liquidated Damages**

*Replace standard spec 108.11 paragraph (3) as follows:*

The department will assess \$3,500 in daily liquidated damages. These liquidated damages reflect the cost of engineering, supervision, and a portion of road user costs.

### **Fish Spawning**

There shall be no instream disturbance of the Ashippun River at Station 146+80 as a result of construction activity under or for this contract, from March 1st to June 30th both dates inclusive, in order to avoid adverse impacts upon the spawning of fish and other aquatic organisms.

Any change to this limitation will require submitting a written request by the contractor to the engineer, subsequent review and concurrence by the Department of Natural Resources in the request, and final approval by the engineer. The approval will include all conditions to the request as mutually agreed upon by WisDOT and DNR.

### **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.

Contractor means and methods to remove trees will not allowed. If it is determined that 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.

#### **Blanding's Turtle (*Emydoidea blandingii*)**

Turtles have the potential to inhabit the project limits near the Ashippun River. Install turtle fencing and turn arounds prior to beginning work at the Ashippun River.

#### **4. Traffic.**

Construct the project using the construction staging and traffic control shown in the plans, standard detail drawings, and as described in these special provisions.

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

Employ flaggers, signs, barricades, and cones/drums as may be necessary to safeguard and direct vehicular and pedestrian traffic at all locations where construction operations may interfere with or restrict the smooth flow of traffic and to protect and delineate hazards such as open excavations and abrupt drop-offs.

Do not proceed with any operation until all traffic control devices for such work are in the proper location. Place traffic control devices as the plans and standard detail drawings show or as directed by the engineer. Maintain adequate turning provisions for vehicles, including buses and trucks at all intersections within the construction limits.

Submit to the engineer for approval a detailed traffic control plan for any changes to the proposed traffic control as shown on the plans. Submit the plan 14 calendar days before the preconstruction conference, or if after the preconstruction conference, 14 calendar days before the intended use of the revised traffic control. A request does not constitute approval.

#### **Railroad Crossings**

Do not place any items within 50-feet of the railroad right-of-way, including items that could foul the same area. Including but not limited to signing, equipment, or material. This includes at-grade crossings and structures with RR under or over. If this is not adhered to Railroad Protective Liability Insurance will be required of the contractor and incidental to the project.

#### **Detour, Traffic Control and Staging**

The construction sequence, including the associated traffic control, shall be substantially accomplished as detailed in the Traffic Control and Detour Plans and the article Prosecution and Progress, and as described herein.

##### Detour

Detour STH 83 through traffic using STH 167, CTH K and STH 60 as shown in the plans. Detour signing for each phase shall be erected and in place prior to detouring traffic for that phase.

Remove Phase 1 detour signing after opening STH 83 to traffic for the winter shutdown. Signs that will be re-used in Phase 2 can remain in place but shall be covered.

##### STH 83 - Ashippun River Culvert Crossing (Phase 1)

Close STH 83 to all traffic at the Ashippun River crossing as shown in the plans.

##### STH 83 – (Phase 2)

Close STH 83 to through traffic between STH 167 and Monroe Avenue as shown in the plans. Maintain all other traffic movements at the STH 167 and Monroe Avenue intersections.



Close STH 83 to traffic from Station 55+50 to Station 252+00. Maintain ingress and egress for locals and emergency vehicles. Maintain access within the closure for locals and emergency vehicles.

Within the STH 83 closure, maintain cross traffic on Druid Lake Road, CTH E, and Lee Road. Use flagging operations to pave these intersections.

Use flagging operations to complete work outside of the STH 83 closure. Major work items include milling, paving, traffic signal flasher removal & installation, and signing & marking at the STH 167 intersection, and marking south of the Monroe Avenue intersection.

STH 83 – Retaining Wall (Phase 2)

Maintain local traffic access around the retaining wall replacement work zone.

STH 83 – Curb Ramp Replacement (Phase 2)

Keep the multi-use path between Lee Road and Monroe Avenue open unless otherwise shown on the plans or as approved by the engineer.

Close the STH 83 southbound shoulder to accommodate curb ramp replacements as shown in the plans. Maintain local traffic access and a minimum 5' wide pedestrian access route around the curb ramp replacement work zone.

**Residential and Business Property Access**

Keep all private entrances and field entrances accessible at all times, unless written permission is obtained from the property owner 48 hours in advance of closing the access.

**Portable Changeable Message Signs (PCMS)**

Traffic Control Signs PCMS shall be installed in advance of the start of detours to alert drivers of an upcoming closures, following the table below. Obtain acceptance from the engineer regarding the wording of all messages on portable changeable message signs prior to placing the message.

**Wisconsin Lane Closure System Advance 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**

<b>Closure type with height, weight, or width restrictions (available width, all lanes in one direction &lt; 16 feet)</b>	<b>MINIMUM NOTIFICATION</b>
Lane and shoulder closures	7 calendar days
Full roadway closures	7 calendar days
Ramp closures	7 calendar days
Detours	7 calendar days
<b>Closure type without height, weight, or width restrictions (available width, all lanes in one direction ≥ 16 feet)</b>	<b>MINIMUM NOTIFICATION</b>
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.

## **Speed Radar Trailers**

Provide a speed trailer from WisDOT's approved products list that conforms to the appropriate requirements of standard spec 643 and the Manual on Uniform Traffic Control Devices for portable changeable message signs.

Coordinate the placement and duration of the trailer with the engineer at least 24 hours before its intended use within the project.

The flash rate for the speed trailer's sign should be between 50 and 60 cycles per minute.

Place the trailer so the bottom of the message panel is five feet or higher above the top of curb or near edge of pavement when in operating mode.

Orient the message panel so the message is legible from 850 feet under both day and night conditions.

Space five traffic control drums at 10-foot intervals in a taper in front of the trailer.

Payment is full compensation for furnishing, hauling, placing, erecting, re-erecting, operating, maintaining, moving, and removing the trailer.

Drums are paid for separately under traffic control items.

## **Traffic Control**

*Supplement standard spec 643.3.1 with the following:*

Provide the Washington County Sheriff's Office (262) 335-4378, City of Hartford Police Department (262) 673-2600 and the engineer a current telephone number with which the contractor or their representative can be contacted during non-working hours in the event a safety hazard develops.

Do not permit construction or personnel equipment or vehicles to directly cross the live traffic lanes of STH 83 and STH 167. Yield to all through traffic at all locations. Equip all vehicles or equipment operating in the live traffic lanes with a hazard identification beam (flashing yellow signal light) that is visible from 360 degrees. Operate the flashing yellow beam only when merging or exiting live traffic lanes or when parked or operating on shoulders, except when parked behind barrier wall. Do not park personal vehicles within the access control limits of the highway. Obtain prior approval from the engineer for the locations of egress or ingress for construction vehicles to prosecute the work.

Do not disturb, remove or obliterate any traffic control signs, advisory signs, sand barrel array, shoulder delineators or beam guard in place along the traveled roadways without the approval of the engineer.

Ensure that Flagging operations conform to standard spec 104.6.1.2.2, standard detail drawing Traffic Control for Lane Closure with Flagging Operation, and chapter 6E of the WMUTCD.

SER-643-001 (20170808)

## **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 STH 83 and STH 167 traffic, 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 during the following holiday and special event periods:

- From noon Friday, September 1, 2023 to 6:00 AM Tuesday, September 5, 2023 for Labor Day;
- From noon Friday, November 17, 2023 to 6:00 AM Monday, November 20, 2023 for Deer Hunting Season;
- From noon Friday, May 24, 2024 to 6:00 AM Tuesday, May 28, 2024 for Memorial Day;
- From noon Friday, June 28, 2024 to 6:00 AM Monday, July 8, 2024 for Independence Day.

stp-107-005 (20210113)

## **6. Utilities.**

This contract comes under the provision of Administrative Rule Trans 220.

stp-107-065 (20080501)

Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per statutes. Use caution to ensure the integrity of underground facilities and maintain code clearances from overhead facilities at all times.

Contact each utility company listed in the plans, prior to preparing bids, to obtain current information on the status of existing and newly relocated utility facilities within the project limits.

Underground and overhead utility facilities are located within the project limits. Existing facility locations are approximate.

**AT&T Wisconsin** will transfer existing aerial fiber and copper lines from existing We Energies poles to new We Energies Poles as follows:

- Relocate from existing pole at Station 74+20, 31' LT to new pole at Station 74+09, 31' LT
- Remove aerial fiber and copper from pole at Station 75+08, 32' RT
- Relocate from existing pole at Station 75+85, 30' LT to new pole at Station 76+26, 30' LT

Facility relocation is anticipated to be complete prior to construction.

**Frontier Communications** relocated 836' of existing fiber under the Ashippun River from Station 141+50, 48' LT to Station 150+00, 48' LT.

New fiber cable was bored between new handholes as Station 141+50, 48' LT to Station 150+00, 48' LT. The cable was bored 10' deep

**PaeTec Communications** will discontinue existing buried fiber optic cable near the Ashippun River between Station 134+50 RT to Station 150+12 RT.

New fiber optic cable will be bored from Station 134+50, 42' RT to Station 135+90, 42' RT. The fiber will transition to a new offset and continue north from Station 136+00, 27' RT to Station 140+10, 27' RT. The fiber will transition to a new offset and continue north from Station 141+00, 42' RT to 150+12, 42' RT. The new fiber optic cable will be bored at a depth of 7'-10' below grade.

Facility relocation is anticipated to begin July 10, 2023 and take 30 working days to complete.

**Spectrum** will transfer existing aerial facilities from existing We Energies poles to new We Energies Poles as follows:

- Relocate from existing pole at Station 74+20, 31' LT to new pole at Station 74+09, 31' LT
  - o Relocate underground fiber from the existing pole to the new pole
- Relocate from existing pole at Station 75+85, 30' LT to new pole at Station 76+26, 30' LT

Facility relocation is to begin no later than May 1, 2023. It is anticipated relocation work will take 10 working days to complete.

**We Energies Electric** will place new poles, transfer overhead facilities, and remove existing poles as follows:

- Place new pole at Station 74+09, 31' LT and remove existing pole at Station 74+20, 31' LT
  - o Discontinue the underground service line from the existing pole and run a service line from the new pole to a splice pit at Station 74+06, 50' LT
- Place new pole at Station 76+05, 52' RT and remove existing pole at Station 75+08, 32' RT
- Place new pole at Station 76+26, 30' LT and remove existing pole at Station 75+85, 30' LT

Facility relocation is to begin no later than April 15, 2023. It is anticipated that new poles and overhead transfers will take 15 working days to complete. Removal of existing poles is anticipated to take 5 working days to complete once AT&T Wisconsin and Spectrum have relocated to the new poles. Removal of existing poles is anticipated to occur prior to construction.

It is imperative that the highway contractor contact We Energies before removing any electrical underground cables to verify that they have been discontinued and carry no electrical current. The contractor must not assume that unmarked facilities have been discontinued. At no time is it acceptable to push, pull, cut or drill an unmarked facility without explicit consent from We Energies. Contractor must call the We Energies 24-hour Dispatch line to arrange for this verification.

We Energies Electric Dispatch #1-800-662-4797

**We Energies Gas** will discontinue the existing 6" PE gas main from Station 145+21, 22' LT to Station 148+59, 32' RT.

A new 6" PE main will be installed beginning at Station 145+14, 22' LT to Station 145+21, 22' LT. The new main will then elbow to the east from Station 145+21, 22' LT, crossing STH 83, to Station 145+21, 52' RT. The main will then elbow to the north in an easement from Station 145+21, 52' RT to Station 148+59, 52' RT. The main will elbow to the west and tie into the existing 6" PE main at Station 148+59, 32' RT. The new 6" PE gas main will maintain a minimum depth of 4' below grade.

Facility relocation will occur prior to construction and is anticipated to take 15 working days to complete.

We Energies Gas will also be adjusting the following gas valves during construction:

- Station 72+25, 25' LT
- Station 215+30, 25' RT

Contact We Energies Gas at 1-800-261-5325 for gas valve box adjustments. Gas valve box adjustments are anticipated to take up to five working days to complete.

It is imperative that the highway contractor contact We Energies before removing any gas facilities to verify that they have been discontinued and carry no natural gas. The contractor must not assume that unmarked facilities have been discontinued. At no time is it acceptable to push, pull, cut or drill an unmarked facility without explicit consent from We Energies. Contractor must call the We Energies 24-hour Dispatch line to arrange for this verification.

We Energies Gas Dispatch #1-800-261-5325

The following utility companies have facilities within the project area; however, no adjustments or conflicts are anticipated:

- **City of Hartford Electric**
- **City of Hartford Sewer**
- **City of Hartford Water**
- **Everstream**

## 7. Other Contracts.

The contractor is notified that the following projects may be going on during this project:

- Project ID 1330-33-70, Chenequa - Hartford, Town of Erin, Washington S CO LN to STH 167, STH 83, Washington County. The project contact is Gary Metzer, 262-548-5685, Gary.Metzer@dot.wi.gov. Construction is scheduled for 2023.
- Project ID 2300-06-70, Waukesha - Slinger, CTH K to CTH CC, STH 167, Washington County. The project contact is Justin Suydam, 262-548-8745, Justin.Suydam@dot.wi.gov. Construction is scheduled for 2024.

Coordinate construction activities, traffic control sign placement, and traffic control operations with these projects. All coordination is incidental to the project.

## 8. Work by Others.

In addition to the utility facilities referenced in the "Utilities" article of the special provisions, the following utility companies have approved permits to install additional facilities within the project limits. Additional information regarding the proposed installation of utility facilities is available on permits issued to each utility company. To obtain these permits, contact WISDOT Utility Permitting at [seutilitypermits@dot.wi.gov](mailto:seutilitypermits@dot.wi.gov) or (262) 521-4461.

**The following is a general description of the proposed facilities:**

**Spectrum** has new proposed facilities within the project limits that are permitted to be in the following locations:

- Along the west right-of-way line of STH 83 from south of the project limits to the southwest corner of STH 167/CTH O.
- From the southwest corner of STH 167/CTH O, west along the south right-of-way line of CTH O for 169', then crossing CTH O to the north right-of-way line.

- From the southwest corner of STH 167/CTH O, east along the south right-of-way line of STH 167/CTH O, crossing STH 83 near Station 46+60, to the east right-of-way line of STH 83. Then running north to a riser pole at Station 54+82, 51' RT.
- North along the east right-of-way line of STH 83 from Station 54+95, RT to Station 79+50, RT, then crossing STH 83 to the west right-of-way line; with a service crossing near Station 69+90.
- From Station 79+50, LT to Station 122+75, LT along the west right-of-way line of STH 83, then crossing STH 83 to the east right-of-way line; with service crossings near Station 87+95 (south of Erin Mountain Pass), Station 99+25, Station 102+55 (south of Druid Lake Road), Station 110+05, Station 111+90, Station 114+15, and Station 115+45.
- From Station 122+75, RT to 159+25, RT along the east right-of-way line of STH 83; with service crossings near Station 129+60, Station 141+00, and Station 150+15.
- Crossing STH 83 near Station 159+37 along the north right-of-way line of CTH E/Waterford Road.

**Frontier Communications** has new proposed facilities within the project limits that are permitted to be in the following locations:

- From an existing handhole at Station 129+21, 65' LT to a handhole at Station 141+50, 48' LT along the west right-of-way line.
- From a handhole at Station 150+00, 48' LT to Station 159+00, 75' LT (southwest corner of STH 83 and CTH E/Waterford Road), along the west right-of-way line.
- Crossing STH 83 along the south right-of-way line of CTH E/Waterford Road to an existing handhole at Station 158+44, 239' RT.

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

The department has received written verification of coverage under the Section 404 Transportation Regional General 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 Martin Villaca at (262) 548-6456.

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 (20230113)

## 10. 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 (>104° 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 (20130615)

## 11. Erosion Control.

*Supplement standard spec 107.20 with the following:*

Erosion control best management practices (BMP's) shown on the plans are at suggested locations. The actual locations will be determined by the contractor's ECIP and by the engineer. Include dust control and each dewatering or by-pass (mechanical pumping) operation in the ECIP submittal. The ECIP will supplement information shown on the plans and not reproduce it. The ECIP will identify how to implement the project's erosion control plan. ECIP will demonstrate timely and diligently staged operations, continuing all construction operations methodically from the initial removals and topsoil stripping operations through the subsequent grading, paving, re-application of topsoil, and restoration of permanent vegetation to minimize the period of exposure to possible erosion.

Provide the ECIP 14 days prior to the pre-construction meeting. Provide 1 copy of the ECIP to the department and 1 copy of the ECIP to the WDNR Liaison Benton Stelzel, (262) 623-0194, [benton.stelzel@wisconsin.gov](mailto:benton.stelzel@wisconsin.gov). Do not implement the ECIP without department approval and perform all work conforming to the approved ECIP.

Maintain Erosion Control BMP's until permanent vegetation is established or until the engineer determines that the BMP is no longer required.

Stockpile excess material or spoils on upland areas away from wetlands, floodplains and waterways. Stockpiled soil and windrows of soil shall immediately be protected against erosion with silt fence, temporary seed, mulch, or as directed by the engineer.

Re-apply topsoil on graded areas, as the engineer directs, immediately after the grading is completed within those areas. Seed, fertilize, and mulch/erosion mat top-soiled areas, as the engineer directs, within 5 days after placement of topsoil. If graded areas are left not completed and exposed for more than 7 days, seed those areas with temporary seed and mulch/erosion mat within 24 hours.

### **Dewatering (Mechanical Pumping) for Bypass Water (sediment-free) Operations**

If dewatering bypass operations are required from one pipe structure to another downstream pipe structure or from the upstream to downstream end of a culvert and the bypass flow is not transporting sediments (sand, silt, and clay particles) from a tributary work site area, bypass pumping operations will be allowed provided that the department has been made aware of and approves operation. When pumping bypass flows, the discharge location will need to be stable and not produce any erosion from the discharge velocity that would cause release of sediment downstream. Dewatering is considered incidental to the contract.

## **Dewatering (Mechanical Pumping) for Treatment Water (sediment-laden) Operations**

If dewatering operations require pumping of water containing sediments (sand, silt, and clay particles), the discharge will not be allowed to leave the work site or discharge to a storm water conveyance system without sediment removal treatment. Do not allow any excavation for; structures, utilities, grading, maintaining drainage that requires dewatering (mechanical pumping) of water containing sediments (sand, silt, and clay particles) to leave the work site or discharge to a storm water conveyance system without sediment removal treatment.

Prior to each dewatering operation, submit to the department a separate ECIP amendment for sediment removal. Guidance on dewatering can be found on the Wisconsin DNR website located in the Storm Water Construction Technical Standards, Dewatering Code #1061,

[http://dnr.wi.gov/topic/stormwater/standards/const\\_standards.html](http://dnr.wi.gov/topic/stormwater/standards/const_standards.html).

Include reasoning, location, and schedule duration proposed for each operation. Per Code 1061, include all selection criteria: site assessment, dewatering practice selection, calculations, plans, specifications, operations, maintenance, and location of proposed treated water discharge. Provide a stabilized discharge area. If directing discharge towards or into an inlet structure, provide additional inlet protection for back-up protection. Dewatering is considered incidental to the contract.

## **Maintaining Drainage**

Maintain drainage at and through worksite during construction conforming to standard spec 107.20, 204.3.2.1(3), 205.3.3 and 520.3.1(2). Use existing storm sewers, existing culvert pipes, existing drainage channels, temporary culvert pipes, or temporary drainage channels to maintain existing surface and pipe drainage. Pumps may be required to drain the surface, pipe, and structure discharges during construction. Costs for furnishing, operating, and maintaining the pumps is considered incidental to the contract.

SER-107-003 (20161220)

## **Ashippun River**

Maintain Ashippun River flow according to special provision "Maintaining Temporary Drainage at Ashippun River, SPV.0060.01." The Maintaining Temporary Drainage at Ashippun River item will be paid for separately under that bid item.

Any work in water needs to be separated by a containment device to the live flow before any work/disturbance in water can occur.

## **12. Archaeological Site.**

St. Patrick's Catholic Cemetery – Uncatalogued Burial site is located at approximately Station 74+73, LT to Station 79+23, LT within the limits shown on the plans.

Notify the Bureau of Technical Services – Environmental Process and Document Section (BTS-EPDS) at (608) 266-0099 at least two weeks before commencement of any ground disturbing activities. BTS-EPDS will determine if a qualified archaeologist will need to be on site during construction of this area.

Do not use the site for borrow or waste disposal. Do not use the site area not currently capped by asphalt/concrete for the staging of personnel, equipment and/or supplies.

stp-107-220 (20180628)

## **13. Construction Over or Adjacent to Navigable Waters.**

The Ashippun River is classified as a state navigable waterway under standard spec 107.19.

stp-107-060 (20171130)

**14. Coordination with Businesses and Residents.**

The contractor shall arrange and conduct a meeting between the contractor, the department, affected residents, local officials and business people to discuss the project schedule of operations including vehicular and pedestrian access during construction operations. Hold the first meeting at least one week before the start of work under this contract and no further meetings will be required unless directed by the engineer. The contractor shall arrange for a suitable location for meetings that provides reasonable accommodation for public involvement. The department will prepare and coordinate publication of the meeting notices and mailings for meetings. The contractor shall schedule meetings with at least two weeks' prior notice to the engineer to allow for these notifications.

stp-108-060 (20141107)

**15. Public Convenience and Safety.**

*Revise standard spec 107.8(6) as follows:*

Check for and comply with local ordinances governing the hours of operation of construction equipment.

Work within City of Hartford Limits:

- Station 215+50 (Lee Road) to Station 221+25
- Station 225+25 to Station 228+70
- Station 246+00 to Station 256+00 (Monroe Avenue)

Do not operate motorized construction equipment from 6:00 PM until the following 7:00 AM, unless prior written approval is obtained from the engineer. No work is permitted on Memorial Day, Independence Day (observed), and Labor Day.

stp-107-001 (20060512)

**16. Removing Traffic Signals, STH 83 & STH 167/CTH O, Item 204.9060.S.01.**

**A Description**

This special provision describes removing existing traffic signals at the intersection of STH 83 & STH 167/CTH O, according to the pertinent provisions of standard spec 204 and as hereinafter provided. Specific removal items are noted in the plans.

**B (Vacant)**

**C Construction**

Arrange for the de-energizing of the traffic signals with the local electrical utility after receiving approval from the engineer that the existing traffic signals can be removed.

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the removal of the traffic signals. Complete the removal work as soon as possible following shut down of this equipment.

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 traffic signal equipment to the engineer. Any equipment not identified as damaged or not working, prior to removal, will be replaced by the contractor at no cost to the department.

Remove all standards and poles per plan from their concrete footings and disassemble out of traffic. Remove the transformer bases from each pole. Remove the signal heads, emergency vehicle preemption heads (evp), mast arms, luminaires, wiring/cabling, and traffic signal mounting devices from each signal standard, arm or pole. Ensure that all access hand hole doors and all associated hardware remain intact. Dispose of the underground signal cable, internal wires and street lighting cable off the state right-of-way. Deliver the remaining materials to the West Allis Electrical Service Facility at 935 South 60<sup>th</sup> Street, West Allis, Milwaukee County. Contact the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to delivery to make arrangements.



**D Measurement**

The department will measure Removing Traffic Signals by each intersection, acceptably completed.

**E Payment**

*Add the following to standard spec 204.5:*

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.01	Removing Traffic Signals STH 83 & STH 167/CTH O	EACH

Payment is full compensation for removing, disassembling traffic signals, scrapping of some materials, disposing of scrap material, for delivering the requested materials to the department, and incidentals necessary to complete the contract work.

The department will pay separately for the detachment and disposal of lamp, ballast, LED, switch, or other lighting units.

stp-204-025 (20230113)

**17. Removing Concrete Block Endwalls, Item 204.9060.S.02.**

**A Description**

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

**B (Vacant)**

**C (Vacant)**

**D Measurement**

The department will measure Removing Concrete Block Endwalls by each full endwall section, acceptably removed.

**E Payment**

*Add the following to standard spec 204.5:*

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.02	Removing Concrete Block Endwalls	EACH

stp-204-025 (20230113)

**18. Removing Apron Endwalls for Pipe Underdrain, Item 204.9060.S.03.**

**A Description**

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

**B (Vacant)**

**C (Vacant)**

**D Measurement**

The department will measure Removing Apron Endwalls for Pipe Underdrain by each endwall, acceptably removed.

**E Payment**

*Add the following to standard spec 204.5:*

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.03	Removing Apron Endwalls for Pipe Underdrain	EACH

stp-204-025 (20230113)

## 19. QMP HMA Pavement Nuclear Density.

### A Description

*Replace standard spec 460.3.3.2 (1) and standard spec 460.3.3.2 (4) with the following:*

- (1) This special provision describes density testing of in-place HMA pavement with the use of nuclear density gauges. Conform to standard spec 460 except as modified in this special provision.
- (2) Provide and maintain a quality control program defined as all activities and documentation of the following:
  1. Selection of test sites.
  2. Testing.
  3. Necessary adjustments in the process.
  4. Process control inspection.
- (3) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes required procedures.

<https://wisconsindot.gov/rdwy/cmm/cm-08-00toc.pdf>

- (4) The department's Materials Reporting System (MRS) software allows contractors to submit data to the department electronically, estimate pay adjustments, and print selected reports. Qualified personnel may obtain MRS software from the department's web site at:

<http://www.atwoodsystems.com/>

### B Materials

#### B.1 Personnel

- (1) Nuclear gauge owners and personnel using nuclear gauges shall comply with WisDOT requirements according to 460.3.3 and CMM 8-15.

#### B.2 Testing

- (1) Conform to ASTM D2950 and CMM 8.15 for density testing and gauge monitoring methods. Conform to CMM 8-15.10.4 for test duration and gauge placement.

#### B.3 Equipment

##### B.3.1 General

- (1) Furnish nuclear gauges according to CMM 8-15.2.
- (2) Furnish nuclear gauges from the department's approved product list at:

<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/tools/appr-prod/default.aspx>

##### B.3.2 Comparison of Nuclear Gauges

###### B.3.2.1 Comparison of QC and QV Nuclear Gauges

- (1) Compare QC and QV nuclear gauges according to CMM 8-15.7.

###### B.3.2.2 Comparison Monitoring

- (1) Conduct reference site monitoring for both QC and QV gauges according to CMM 8-15.

#### B.4 Quality Control Testing and Documentation

##### B.4.1 Lot and Sublot Requirements

###### B.4.1.1 Mainline Traffic Lanes, Shoulders, and Appurtenances

- (1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.
- (2) Determine required number of tests according to CMM 8-15.10.2.1.
- (3) Determine random testing locations according to CMM 8-15.10.3.

###### B.4.1.2 Side Roads, Crossovers, Turn Lanes, Ramps, and Roundabouts

- (1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.
- (2) Determine required number of tests according to CMM 8-15.10.2.2.

- (3) Determine random testing locations according to CMM 8-15.10.3.

## **B.4.2 Pavement Density Determination**

### **B.4.2.1 Mainline Traffic Lanes and Appurtenances**

- (1) Calculate the average subplot densities using the individual test results in each subplot.
- (2) If all subplot averages are no more than one percent below the target density, calculate the daily lot density by averaging the results of each random QC test taken on that day's material.
- (3) If any subplot average is more than one percent below the target density, do not include the individual test results from that subplot when computing the lot average density and remove that subplot's tonnage from the daily quantity for incentive. The tonnage from any such subplot is subject to disincentive pay as specified in standard spec 460.5.2.2.

### **B.4.2.2 Mainline Shoulders**

#### **B.4.2.2.1 Width Greater Than 5 Feet**

- (1) Determine the pavement density as specified in B.4.2.1.

#### **B.4.2.2.2 Width of 5 Feet or Less**

- (1) If all subplot test results are no more than 3.0 percent below the minimum target density, calculate the daily lot density by averaging all individual test results for the day.
- (2) If a subplot test result is more than 3.0 percent below the target density, the engineer may require the unacceptable material to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine the limits of the unacceptable material according to B.4.3.

### **B.4.2.3 Side Roads, Crossovers, Turn Lanes, Ramps, and Roundabouts**

- (1) Determine the pavement density as specified in B.4.2.1.

### **B.4.2.4 Documentation**

- (1) Document QC density test data as specified in CMM 8.15. Provide the engineer with the data for each lot within 24 hours of completing the QC testing for the lot.

## **B.4.3 Corrective Action**

- (1) Notify the engineer immediately when an individual test is more than 3.0 percent below the specified minimum in standard spec 460.3.3.1. Investigate and determine the cause of the unacceptable test result.
- (2) The engineer may require unacceptable material specified in B.4.3(1) to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine limits of the unacceptable area by measuring density of the layer at 50-foot increments both ahead and behind the point of unacceptable density and at the same offset as the original test site. Continue testing at 50-foot increments until a point of acceptable density is found as specified in standard spec 460.5.2.2(1). Removal and replacement of material may be required if extended testing is in a previously accepted subplot. Testing in a previously accepted subplot will not be used to recalculate a new lot density.
- (3) Compute unacceptable pavement area using the product of the longitudinal limits of the unacceptable density and the full subplot width within the traffic lanes or shoulders.
- (4) Retesting and acceptance of replaced pavement will be as specified in standard spec 105.3.
- (5) Tests indicating density more than 3.0 percent below the specified minimum, and further tests taken to determine the limits of unacceptable area, are excluded from the computations of the subplot and lot densities.
- (6) If two consecutive subplot averages within the same paving pass and same target density are more than one percent below the specified target density, notify the engineer and take necessary corrective action. Document the locations of such subplots and the corrective action that was taken.

## **B.5 Department Testing**

### **B.5.1 Verification Testing**

- (1) The department will have a HTCP certified technician, or ACT working under a certified technician, perform verification testing. The department will test randomly at locations independent of the contractor's

QC work. The department will perform verification testing at a minimum frequency of 10 percent of the sublots and a minimum of one subplot per mix design. The sublots selected will be within the active work zone. The contractor will supply the necessary traffic control for the department's testing activities.

- (2) The QV tester will test each selected subplot using the same testing requirements and frequencies as the QC tester.
- (3) If the verification subplot average is not more than one percent below the specified minimum target density, use the QC tests for acceptance.
- (4) If the verification subplot average is more than one percent below the specified target density, compare the QC and QV subplot averages. If the QV subplot average is within 1.0 lb/ft<sup>3</sup> of the QC subplot average, use the QC tests for acceptance.
- (5) If the first QV/QC subplot average comparison shows a difference of more than 1.0 lb/ft<sup>3</sup> each tester will perform an additional set of tests within that subplot. Combine the additional tests with the original set of tests to compute a new subplot average for each tester. If the new QV and QC subplot averages compare to within 1.0 lb/ft<sup>3</sup>, use the original QC tests for acceptance.
- (6) If the QV and QC subplot averages differ by more than 1.0 lb/ft<sup>3</sup> after a second set of tests, resolve the difference with dispute resolution specified in B.6. The engineer will notify the contractor immediately when density deficiencies or testing precision exceeding the allowable differences are observed.

### **B.5.2 Independent Assurance Testing**

- (1) Independent assurance is unbiased testing the department performs to evaluate the department's verification and the contractor's QC sampling and testing including personnel qualifications, procedures, and equipment. The department will perform the independent assurance review according to the department's independent assurance program.

### **B.6 Dispute Resolution**

- (1) The testers may perform investigation in the work zone by analyzing the testing, calculation, and documentation procedures. The testers may perform gauge comparison according to B.3.2.1.
- (2) The testers may use comparison monitoring according to B.3.2.2 to determine if one of the gauges is out of tolerance. If a gauge is found to be out of tolerance with its reference value, remove the gauge from the project and use the other gauge's test results for acceptance.
- (3) If the testing discrepancy cannot be identified, the contractor may elect to accept the QV subplot density test results or retesting of the subplot in dispute within 48 hours of paving. Traffic control costs will be split between the department and the contractor.
- (4) If investigation finds that both gauges are in error, the contractor and engineer will reach a decision on resolution through mutual agreement.

### **B.7 Acceptance**

- (1) The department will not accept QMP HMA Pavement Nuclear Density if a non-compared gauge is used for contractor QC tests.

### **C (Vacant)**

### **D (Vacant)**

### **E Payment**

#### **E.1 QMP Testing**

- (1) Costs for all sampling, testing, and documentation required under this special provision are incidental to the work. If the contractor fails to perform the work required under this special provision, the department may reduce the contractor's pay. The department will administer pay reduction under the Non-performance of QMP administrative item.

#### **E.2 Disincentive for HMA Pavement Density**

- (1) The department will administer density disincentives as specified in standard spec 460.5.2.2.

#### **E.3 Incentive for HMA Pavement Density**

- (1) The department will administer density incentives as specified in standard spec 460.5.2.3.

stp-460-020 (20181119)

**20. Adjusting Manhole Covers, Item 611.8110.**

This special provision describes adjusting manhole covers conforming to standard spec 611 as modified in this special provision.

Adjust manhole covers located in pavement areas in two separate operations. Initially, remove designated manhole covers along with sufficient pavement to permit installation of temporary cover plate over the opening. Fill the excavated area with asphaltic pavement mixture, which shall remain in place until contract milling and paving operations permit setting the manhole frames to grade. During the second phase, remove the asphaltic pavement mixture surrounding the manhole plus the temporary cover plate, and set the manhole cover to final grade. The department will measure and pay for the items of asphaltic pavement mixture, temporary cover plate, milling, and paving separately.

*Supplement standard spec 611.3.7 with the following:*

Set the manhole frames so that they comply with the surface requirements of standard spec 450.3.2.9. At the completion of the paving, a 6-foot straightedge shall be placed over the centerline of each manhole frame parallel to the direction of traffic. A measurement shall be made at each side of the frame. The two measurements shall be averaged. If this average is greater than 5/8 inches, reset the manhole frame to the correct plane and elevation. If this average is 5/8 inches or less but greater than 3/8 inches, the manhole frame shall be allowed to remain in place but shall be paid for at 50 percent of the contract unit price.

If the manhole frame is higher than the adjacent pavement, the two measurements shall be made at each end of the straightedge. These two measurements shall be averaged. The same criteria for acceptance and payment as above, shall apply.

stp-611-005 (20200629)

**21. 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)

**22. Silt Fence Heavy Duty, Item 628.1530.S;  
Silt Fence Heavy Duty Maintenance, Item 628.1535.S.**

**A Description**

This special provision describes furnishing, installing, maintaining, repairing, and removing heavy duty silt fence as the plans show, as directed by the engineer, and as hereinafter described.

**B Materials**

Provide Silt Fence Heavy Duty consisting of a composite of fence posts, fence fabric, geotextile fabric, sand bags or rock bags, and fasteners to be assembled by the contractor.

Furnish new or salvaged notched conventional metal "T" or "U" shaped fence posts with a length of 8 feet and minimum weight of 1.25 lb/ft.

Furnish new fence fabric, or salvaged fence fabric that is free of rust or other structural defects, conforming to standard spec 616.2.2.1 or 616.2.3.2, or one of the following alternatives:

- Woven wire fence - Standard field fence type, minimum 14-½ gauge wire, maximum mesh spacing of 6 inches, and a height of 4 feet.
- Chain link fence – minimum 12-½ gauge, maximum 2.5-inch diamond pattern, and a height of 4 feet.
- Welded wire fence – minimum 14 gauge, maximum mesh spacing of 4 inches, and a height of 4 feet.

Furnish Geotextile Fabric Type HR according to standard spec 645.2.2.7.

Furnish sand bags according to standard spec 628.2.8 or rock bags according to standard spec 628.2.13.

Furnish wire ties, nylon zip ties, or other engineer approved materials.

**C Construction**

Complete the installation prior to any ground disturbing activities within the drainage area adjacent to the required location. Construct according to the plan details and as described below.

Install posts with a minimum embedment of two feet and as necessary to provide a stable fence system.

Attach fence fabric to posts with at least three ties on each post (top, middle, bottom).

Attach geotextile fabric to fence fabric and/or posts at a maximum spacing of every 2 feet along the top and additionally as necessary to prevent displacement or damage by wind and wave actions. Overlap joints in the geotextile fabric by a minimum of 12 inches. Excess geotextile fabric may be cut or draped over the backside of the fence system.

Secure the bottom of the geotextile fabric by either of the following methods:

- For installation in wet conditions, anchor the lower flap of the geotextile fabric to the ground using a continuous line of sand bags or rock bags. The lower flap shall be a minimum width of 1 foot.
- For installation in dry conditions, bury the bottom edge in a trench that is a minimum of 4 inches wide and 6 inches deep. Fold material to fit trench and backfill and compact trench with excavated soil.

Maintain the fence throughout construction and until removal. Repair or replace fence materials as necessary. Remove sediment whenever it accumulates to approximately one-half the original fence height and as directed by the engineer. Remove all sediment prior to final stabilization.

Keep system in place until the site is permanently vegetated and is ordered for removal by the engineer. Clean up and restore the surface after removal.

**D Measurement**

The department will measure Silt Fence Heavy Duty by the linear foot, acceptably completed, measured along the base of the fence, center-to-center of end post, for each section of fence.

The department will measure Silt Fence Heavy Duty Maintenance by the linear foot, acceptably completed, measured along the base of the fence, end-to-end of the section maintained, for each time a section of fence is cleaned and repaired.

## E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
628.1530.S	Silt Fence Heavy Duty	LF
628.1535.S	Silt Fence Heavy Duty Maintenance	LF

Payment for Silt Fence Heavy Duty is full compensation for erecting fence, including excavating or trenching, posts, geotextile fabric, sand bags or rock bags, backfilling, removal, restoration, and disposal.

Payment for Silt Fence Heavy Duty Maintenance is full compensation for required cleaning and repairing; for removing and disposing sediment or spreading accumulated sediment to form a surface suitable for seeding; and for replacing fence and damages caused by overloading sediment material or ponding water adjacent to fence.

stp-628-005 (20220628)

### 23. Locating No-Passing Zones, Item 648.0100.

For this project, the spotting sight distance in areas with a 55 mph posted speed limit is 0.21 miles (1108 feet).

stp-648-005 (20060512)

### 24. 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://wisconsin.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://wisconsin.gov/Documents/doing-bus/eng-consultants/cnslt-rsrcs/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's 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.

### **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)

## **25. Maintaining Temporary Drainage at Ashippun River, Item SPV.0060.01.**

### **A Description**

This special provision describes maintaining temporary drainage at the Ashippun River during construction of Structure B-66-146. Details shown on the plans are for reference only to show one potential method of maintaining temporary drainage. Method of maintaining temporary drainage is to be determined by the contractor with engineer and DNR approval. Perform work according to the pertinent provisions of the standard specifications, and as hereinafter provided.

### **B Materials**

Furnish materials in accordance with the standard specifications.

Materials, as shown in the plans for reference, include:

- Base Aggregate Open-Graded, in accordance with standard spec 310.2.
- Temporary Steel Sheet Piling, in accordance with standard spec 512.2.2.
- Riprap Light, in accordance with standard spec 606.2.1.
- Sand Bags, in accordance with standard spec 628.2.8. Sand bags shall be a minimum of 40lbs.
- Polyethylene Sheeting, in accordance with standard spec 628.2.9.
- Geotextile Type HR, in accordance with standard spec 645.2.2.

If constructing diversion channels, also furnish Backfill Granular Grade 1 in accordance with standard spec 209.2.



Furnish other temporary diversion devices, subject to engineer and DNR approval, for use in temporarily diverting stream flow.

## **C Construction**

### **C.1 General**

Maintenance of temporary drainage shall be adequate to handle the flow required for a 2-year recurrence interval stream discharge. Provide a thorough description (narrative, plans, details, etc.) of how the diversion will be completed in the ECIP.

### **C.2 Sand Bag Dikes**

If used, temporary sand bag dikes shall consist of sand bags and polyethylene sheeting. Install temporary sand bag dikes as shown in the plans or as directed by the engineer to protect the immediate work zone. Excavate as needed to provide a level pad for the sand bags and polyethylene sheeting to be installed on. Maintain temporary sand bag dikes until they are no longer needed, or as directed by the engineer. Remove and dispose of sand bags, polyethylene sheeting, and all surplus material upon completion of its use under this contract. Multiple temporary sand bag dike installations may be required to protect the work zone throughout construction.

### **C.3 Temporary Steel Sheet Piling**

If used, install temporary steel sheet piling as shown in the plans or as directed by the engineer to protect the immediate work zone. Maintain temporary steel sheet piling until it is no longer needed, or as directed by the engineer. Remove and dispose of temporary steel sheet piling, and all surplus material upon completion of its use under this contract. Multiple temporary steel sheet piling installations may be required to protect the work zone throughout construction.

### **C.4 Diversion Channels**

If used, diversion channels shall be lined with polyethylene sheeting, riprap, base aggregate open-graded and geotextile fabric. Install temporary channels as shown in the plans or as directed by the engineer to protect the immediate work zone. Sand bag dikes, temporary steel sheet piling, graded berms, or other methods can be used to define the channel edges. Excavate as needed to provide a 6-foot minimum channel to contain the 2-year flow, with a 6-inch minimum freeboard.

Prior to box culvert construction, excavate the channel to dimensions shown in the construction details and as directed by the engineer. Ensure that material removed from the excavation area is properly stockpiled and isolated from the waterway or adjacent wetland areas by proper erosion control. Temporary seeding and erosion mat of stockpiled material shall be completed within 3 days after stockpiles have been completed. Within 3 days of completion of the diversion channel, areas disturbed by the construction of the diversion channel shall be built to final grade and permanently restored, or temporarily restored with temporary seed and erosion mat.

Maintain temporary channels until they are no longer needed, or as directed by the engineer. Remove and dispose of polyethylene sheeting, riprap, base aggregate open-graded, geotextile fabric, and all surplus material upon completion of its use under this contract. Multiple temporary channel installations may be required to protect the work zone throughout construction.

Upon completion of all work within the area of the waterway and as directed by the engineer, dewater the diversion channel by a method approved by the engineer. Remove and properly dispose of all sheeting and sediment deposits.

Backfill and compact the remainder of the channel according to standard spec 207. Backfill the first 2-feet of the diversion channel with backfill granular grade 1.

### **C.5 Other Temporary Diversion Devices**

Install other temporary diversion devices as directed by the engineer and DNR to protect the immediate work zone.

## **D Measurement**

The department will measure Maintaining Temporary Drainage as a complete unit of work to maintain flow for the duration of construction, at each location 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.0060.01	Maintaining Temporary Drainage at Ashippun River	EACH

Payment is full compensation for excavation; furnishing required material including, temporary steel sheet piling, sand bags, polyethylene sheeting, or other approved temporary diversion devices; for installing and maintaining diversion devices; for damming water and pumping operations required; for storing materials when not in use; for periodic sediment removal; for stockpiling and disposal of surplus material; for removing base aggregate open-graded, temporary steel sheet piling, riprap light, sand bags, polyethylene sheeting, geotextile fabric, or other approved temporary diversion devices; for backfilling and compaction; and for disposing of material.

The department will pay separately for backfill granular grade 1, base aggregate open-graded, riprap light, erosion mat, seeding temporary, and geotextile fabric type HR under their respective bid items.

**26. Section Corner Monuments, Item SPV.0060.02.**

**A Description**

Coordinate with Washington County for the perpetuation and replacement of a section corner (Public Land Survey System- PLSS) monument.

**B Materials**

Washington County will provide a pre-cast concrete monument or brass disk to be used to mark the PLSS corner.

Furnish base aggregate dense materials that conform to standard spec 305 and concrete, asphalt, topsoil or other materials depending on the surface surrounding the corner.

**C Construction**

Washington County will perpetuate existing section corner monument. Coordinate with Washington County and the engineer throughout the perpetuation and replacement process. The engineer will contact Washington County at least two weeks before starting construction operations or the preconstruction meeting to allow for section corner monument perpetuation.

Excavate and completely remove the existing monument. Provide backfilled 3- to 4-foot-deep hole where existing monument was removed. Coordinate the materials and methodology to complete the construction of the surface surrounding the monument. This may include but is not limited to a 2' x 2' "box out" or 24" diameter core hole in concrete, asphalt pavement/paving rings, coring to facilitate poured in place monuments, topsoil, seed and mulching or other materials or methodologies.

**Contact Information:**

Attn: Scott Schmidt  
 Chief Public Works Officer/County Surveyor  
 Washington County Highway Department  
 900 Lang Street  
 West Bend, WI 53090  
 Phone (262) 335-6881  
 E-mail: [scott.schmidt@washcowisco.gov](mailto:scott.schmidt@washcowisco.gov)

**D Measurement**

The department will measure Section Corner Monuments by the 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.0060.02	Section Corner Monuments	EACH

Payment is full compensation for all excavating; removal of existing monument, for placing and compacting backfill material; for disposing of surplus materials; for concrete or asphalt material, finishing of roadway or other surfaces and all coordination with Washington County.

SER-621.1 (20170530)

**27. Utility Line Opening (ULO), Item SPV.0060.03.**

**A Description**

This special provision describes excavating to uncover utilities for the purpose of determining elevation and potential conflicts as shown on the plans or as directed by the engineer.

**B (Vacant)**

**C Construction**

Perform the excavation in such a manner that the utility in question is not damaged and the safety of the workers is not compromised.

Perform the utility line openings as soon as possible and at least 10 days in advance of proposed construction to allow any conflicts to be resolved with minimal disruption. Give the engineer a minimum of three working days once utility line opening information is received to review all relevant design information prior to proposed construction. Where utilities are within 6 feet of each other at a potential conflict location, only one utility line opening will be called for. In these cases, a single utility line opening will be considered full payment to location multiple utilities. Utility line openings include a trench up to 10 feet long as measured at the trench bottom, and of any depth required to locate the intended utility.

Approve and coordinate all utility line openings with the engineer. Notify the utility engineers or their agents of this work a minimum of 3 days prior to the work so they may be present when the work is completed.

Restore area over utility line opening trenches as directed by the engineer.

**D Measurement**

The department will measure Utility Line Opening (ULO) by the 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.0060.03	Utility Line Opening (ULO)	EACH

Payment is full compensation for the excavation required to expose the utility line; backfilling with existing material removed from the excavation; compacting the backfill material; restoring the site; and cleanup.

**28. Connection to Existing Pipe Underdrain, Item SPV.0060.04.**

**A Description**

This special provision describes connecting new pipe underdrain to existing pipe underdrain.

**B Materials**

Furnish concrete collar according to standard spec 520.2.4, of flexible coupler or other watertight connection approved by the engineer.

**C Construction**

Remove existing pipe underdrain and any existing underdrain apron end wall as necessary to provide a clean connection to the new underdrain. Verify that positive drainage is achieved when connecting the existing and new pipe underdrains. Connect the existing pipe underdrain to the new pipe underdrain with the concrete collar, appropriate coupling, or by other means approved by the engineer.

**D Measurement**

The department will measure Connection to Existing Pipe Underdrain by each connection, 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.0060.04	Connection to Existing Pipe Underdrain	EACH

Payment is full compensation for removal of existing pipe underdrain and existing apron endwall, furnishing and installing concrete collar, flexible coupler, or other approved coupling to make the connection, and disposal of removed or excess material.

## 29. Tuckpointing Pipe Underdrain Inlet Connections, Item SPV.0060.05.

### A Description

This special provision describes repairing mortar joints at pipe underdrain inlet connections.

### B Materials

Furnish mortar conforming to standard spec 519.2.3.

### C Construction

#### C.1 Preparation

Remove all deteriorated mortar, dirt and loose particles from the existing mortar joints with hand tools followed by blast cleaning with water or air. Take precautions to minimize debris getting into drainage water or entering storm sewer pipes. Debris shall be cleaned up to the satisfaction of the engineer.

#### C.2 Procedure

Wet areas to receive mortar and let the surface dry just enough to bond to the mortar. Completely fill all openings and voids with mortar. Remove excess material and tool joints to a neat finish.

### D Measurement

The department will measure Tuckpointing Pipe Underdrain Inlet Connections by each connection, 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.0060.05	Tuckpointing Pipe Underdrain Inlet Connections	EACH

Payment is full compensation for providing materials; for preparing the joints; for placing and finishing the mortar joint connections; and for removing and disposing of excess material.

## 30. Traffic Flashing Beacon System, Solar, STH 83 NB at STH 167/CTH O, Item SPV.0060.06; Traffic Flashing Beacon System, Solar, STH 83 SB at STH 167/CTH O, Item SPV.0060.07.

### A Description

This special provision describes the furnishing and installing of a Traffic Flashing Beacon System, Solar.

### B Materials

Use model 373-01299 (SKU 2180-BBSRB) (TAPCO), or Carmanah's R247 (Decker Supply) or approved equal solar powered beacon. Ensure that materials are compatible with supplied equipment.

Furnish the following components of the system and are incidental to this pay item:

- Solar Powered 24 hour flashing beacon system
- Glare back plate around beacon
- Powered single red beacon includes cabinet with flasher control, back panel and associated wiring solar panel with mounting rack and batteries
- Pedestal base shall be aluminum breakaway pedestals per standard spec 657.2.2.5 of standard specifications manual

- Traffic Signal Standards Aluminum, type I pole (13')
- Concrete Base (Type 1 or type 2)
- 1 sec 12 Red Vertical No Lens poly cut SA101 1C12YBB or approved equal
- BRKT Poly Red 2 FR1JPYW1 or approved equal
- Visor above beacons

Provide all other needed materials in conformance with standard spec 651.2, 652.2, 653.2, 654.2, 655.2, 657.2.2, and 658.2.

**Pedestal Base:** Shall meet the requirements as set forth in standard spec 657.2.5. Shall be cast aluminum pedestal mounted on a concrete base footing attached by four internal anchor bolts imbedded in the base. Pedestals per SDD 9E 7-5.

**Concrete Base:** Shall meet the requirements as set forth in standard spec 654.2.1, as applicable. Concrete base shall be a Type 1 or type 2 base and is incidental to the assembly. Concrete base per SDD 9C 2-6.

**Anchor Bolts:** The anchor bolts shall be galvanized steel 1" x 42". Set of 4 includes lock washer and nut.

**Signing:** All signs shall be supplied under a separate bid item in the signing plan quantities.

**C Construction**

Perform work according to standard spec 651.3, 652.3, 653.3, 654.3, 655.3, 657.3, and 658.3.

The solar panel shall face south. A Type I pole and Type 1 or type 2 concrete base shall be furnished and installed by the contractor as part of this item. The battery autonomy is 12 days.

The contractor is responsible to contact Diggers Hotline prior to installation and to request a signal inspection of the completed signal installation to the engineer at least five working days prior to the time of the requested inspection. The department's Region Electrical personnel and Traffic Operations signing unit will perform the inspection. The system shall have a minimum of a one year warranty, full parts and labor.

Coordinate installation with the signing contractor of the stop sign as shown on the signing plans.

Cabinet shall be mounted behind the sign to meet breakaway standards and not below the sign.

**D Measurement**

The department will measure Solar Beacon as each unit of work, in place and accepted.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.06	Traffic Flashing Beacon System, Solar, STH 83 NB at STH 167/CTH O	EACH
SPV.0060.07	Traffic Flashing Beacon System, Solar, STH 83 NB at STH 167/CTH O	EACH

Payment is full compensation for furnishing and installing the Solar Beacon; for furnishing and installing all other items necessary (such as, wire nuts, splice kits and/or connectors, tape, insulating varnish, ground lug fasteners, etc.) to make the proposed system complete and for clean-up and waste disposal.

**31. Native Pollinator Seeding Mixture No. 95A, Item SPV.0085.01.**

**A Description**

This special provision describes preparing seed beds and furnishing and sowing the required seed on areas identified in the plan set.

Conform to standard spec 630 except as modified in this special provision.

**B Materials**

Conform to standard spec 630.2 and follow guidance for seed mixture 70/70a. Use Table 1 for seed mixture 95A composition.

PLS for seeding mixture 95A must be packaged separately by species and clearly labeled with the vendor's name, species common and botanical names, gross weight, percent PLS, year of harvest and any specialized treatments that have been applied to ensure or enhance germination.

**TABLE 1 - Native Pollinator Seed Mixture No. 95A**

**Wet Soil for South of Tension Zone<sup>1,2</sup>**

Sun Conditions: Full sun to one-half day full sun

Suitable Soil Moisture Conditions: Wet-mesic to wet soils

Suitable Soil Types: Moist loamy sand, sandy loam, loam, silt loam, clay loam

Nomenclature		Purity & Germination minimum %	Seed Metrics				
			Oz/Acre	% Mix by Oz/Acre	lbs/Acre	lbs/1,000 square feet	Seeds/oz
Scientific Name	Common Name						
<b>Grasses, Sedges, Rushes</b>							
<i>Andropogon gerardii</i>	Big Bluestem	PLS	6.00	6.70	0.38	0.009	10,000
<i>Bromus ciliatus</i>	Fringed Brome	PLS	2.00	2.23	0.13	0.003	10,000
<i>Calamagrostis canadensis</i>	Blue Joint Grass	PLS	0.50	0.56	0.03	0.001	280,000
<i>Carex bebbii</i>	Bebb's Oval Sedge	PLS	2.00	2.23	0.13	0.003	34,000
<i>Carex stipata</i>	Common Fox Sedge	PLS	1.00	1.12	0.06	0.001	34,000
<i>Carex vulpinoidea</i>	Brown Fox Sedge	PLS	4.00	4.47	0.25	0.006	100,000
<i>Elymus canadensis</i>	Canada Wild Rye	PLS	8.00	8.94	0.50	0.011	5,200
<i>Elymus virginicus</i>	Virginia Wild Rye	PLS	32.00	35.75	2.00	0.046	4,200
<i>Juncus dudleyi</i>	Dudley's Rush	PLS	0.50	0.56	0.03	0.001	3,200,000
<i>Muhlenbergia mexicana</i>	Leafy Satin Grass	PLS	1.00	1.12	0.06	0.001	175,000
<i>Panicum virgatum</i>	Switch Grass	PLS	2.00	2.23	0.13	0.003	14,000
<i>Poa palustris</i>	Fowl Meadow Grass	PLS	0.50	0.56	0.03	0.001	130,000
<i>Scirpus atrovirens</i>	Dark-green Bulrush	PLS	1.00	1.12	0.06	0.001	460,000
<i>Scirpus cyperinus</i>	Wool Grass	PLS	0.20	0.22	0.01	0.000	1,700,000
<i>Spartina pectinata</i>	Prairie Cord Grass	PLS	3.00	3.35	0.19	0.004	6,600
<b>Alternate Grasses, Sedges, Rushes <sup>3</sup></b>							
<i>Carex bicknellii</i>	Bicknell's Oval Sedge	PLS					17,000
<i>Carex scoparia</i>	Lance-fruited Oval Sedge	PLS					84,000
<i>Glyceria striata</i>	Fowl Manna Grass	PLS					90,000
<i>Juncus nodosus</i>	Knotted Rush	PLS					1,851,000
<i>Juncus torreyi</i>	Torrey's Rush	PLS					1,600,000
<b>Forbs</b>							
<i>Asclepias incarnata</i>	Swamp Milkweed	PLS	2.00	2.23	0.13	0.003	4,800
<i>Asclepias syriaca</i>	Common Milkweed	PLS	1.00	1.12	0.06	0.001	4,000
<i>Eupatorium perfoliatum</i>	Boneset	PLS	1.50	1.68	0.09	0.002	160,000

<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	PLS	0.30	0.34	0.02	0.000	350,000
<i>Eutrochium maculatum</i>	Joe Pye Weed	PLS	2.00	2.23	0.13	0.003	95,000
<i>Helenium autumnale</i>	Sneezeweed	PLS	1.50	1.68	0.09	0.002	130,000
<i>Helianthus grosseserratus</i>	Saw-tooth Sunflower	PLS	1.00	1.12	0.06	0.001	15,000
<i>Heliopsis helianthoides</i>	False Sunflower	PLS	1.50	1.68	0.09	0.002	6,300
<i>Hypericum ascyron ssp. pyramidatum</i>	Great St. John's Wort	PLS	0.50	0.56	0.03	0.001	190,000
<i>Lobelia siphilitica</i>	Great Blue Lobelia	PLS	0.50	0.56	0.03	0.001	500,000
<i>Monarda fistulosa</i>	Wild Bergamot	PLS	1.25	1.40	0.08	0.002	70,000
<i>Pycnanthemum virginianum</i>	Mountain Mint	PLS	0.75	0.84	0.05	0.001	220,000
<i>Ratibida pinnata</i>	Yellow Coneflower	PLS	0.50	0.56	0.03	0.001	30,000
<i>Rudbeckia hirta</i>	Black-eyed Susan	PLS	2.00	2.23	0.13	0.003	92,000
<i>Rudbeckia subtomentosa</i>	Sweet Black-eyed Susan	PLS	1.00	1.12	0.06	0.001	43,000
<i>Solidago riddellii</i>	Riddell's Goldenrod	PLS	1.00	1.12	0.06	0.001	93,000
<i>Symphyotrichum lanceolatum</i>	Panicled Aster	PLS	0.50	0.56	0.03	0.001	156,000
<i>Symphyotrichum novae-angliae</i>	New England Aster	PLS	1.00	1.12	0.06	0.001	66,000
<i>Verbena hastata</i>	Blue Vervain	PLS	3.50	3.91	0.22	0.005	93,000
<i>Zizia aurea</i>	Golden Alexanders	PLS	2.50	2.79	0.16	0.004	11,000
<b>Alternate Forbs <sup>3</sup></b>							
<i>Anemone canadensis</i>	Canada Anemone	PLS					8,000
<i>Iris virginica</i>	Southern Blue Flag	PLS					1,000
<i>Mimulus ringens</i>	Monkey Flower	PLS					2,300,000
<i>Physostegia virginiana</i>	Obedient Plant	PLS					11,000
<i>Silphium perfoliatum</i>	Cup Plant	PLS					1,400
<i>Solidago gigantea</i>	Late Goldenrod	PLS					250,000
<i>Thalictrum dasycarpum</i>	Purple Meadow Rue	PLS					11,000
<i>Vernonia fasciculata</i>	Common Ironweed	PLS					24,000
<i>Veronicastrum virginicum</i>	Culver's Root	PLS					800,000
<b>Plant Type</b>	<b>Species Richness</b>	<b>Purity &amp; Germination minimum %</b>	<b>Total Oz/Acre</b>	<b>% Mix by Oz/Acre</b>	<b>lbs/Acre</b>	<b>lbs/1,000 square feet</b>	
Grasses, Sedges, and Rushes	15	PLS	63.70	71.17	3.98	0.091	
Forbs	20	PLS	25.80	28.83	1.61	0.037	
<b>Totals</b>	<b>35</b>	<b>PLS</b>	<b>89.50</b>	<b>100.00</b>	<b>5.59</b>	<b>0.128</b>	

<sup>1</sup> Seed mix is designed for 1.0 acre.

<sup>2</sup> Alternate species are provided below each section (graminoids and forbs). Wisconsin blooming periods are defined as Spring (April-May), Summer (June-August), and Fall (September-October).

<sup>3</sup> The contractor may, if the engineer approves, substitute an alternate for a required species that is not available using the same percentage as specified for the required species. Use a different alternate for each unavailable required species. Provide documentation showing that a required forb is not available before using an alternate.

If seeding bare soil with native seed mixture 95A, include the nurse crop as follows. Do not seed native seed mixtures between June 15 and October 15 unless the engineer allows.

Install nurse crop with permanent native seed mix. Select appropriate seed combinations from table below based on timing of installation. Annual rye will be installed with common oats or winter wheat. Nurse crop is not suitable for areas with standing water.

**Table 2 - Nurse Crop 1**

Scientific Name	Common Name	Installation Rate	
		(lbs/acre)	(lbs/1,000 sq. ft.)
<b>Spring seeding before June 15</b>			
<i>Avena sativa</i>	Common Oats	35	0.8
<i>Lolium multiflorum</i>	Annual Rye <sup>1</sup>	5	0.12
<b>When the engineer allows between June 15 and October 15</b>			
<i>Avena sativa</i>	Common Oats	35	0.8
<i>Lolium multiflorum</i>	Annual Rye <sup>1</sup>	5	0.12
<b>Fall seeding after October 15 and dormant seeding</b>			
<i>Triticum aestivum</i>	Winter Wheat <sup>2</sup>	45	1
<i>Lolium multiflorum</i>	Annual Rye <sup>1</sup>	5	0.12

<sup>1</sup> Spring (April-May) and late summer (August-early September) preferred for annual rye but may be established in summer or a dormant seeding as seed will overwinter.

<sup>2</sup> August-September preferred for winter wheat but may be used as dormant seeding as seed will overwinter and germinate in the spring.

**C Construction**

Conform to standard spec 630.3 following guidance for seed mixture 70/70a.

Sow seeds at a rate of 0.128 pounds per 1000 square feet.

**D Measurement**

The department will measure the Seeding bid items by the equivalent pound, acceptably completed, measured based on net weights of seed shipments or weighed on department-approved scales the contractor furnishes. The department will deduct quantities wasted or not actually incorporated in the work according to the contract. The department will determine the equivalent pounds of seed furnished and applied by dividing the actual pounds of seed applied by the sum of the unadjusted and adjusted percentages, determined as specified in standard spec 630.3.5 of the various species in the seed mixture sown.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0085.01	Native Pollinator Seeding Mixture No. 95A	LB

Payment is full compensation for providing, handling, and storing seed; for providing the required culture and inoculating seed as specified; and for preparing the seed bed, sowing, covering, and firming the seed.

The department will pay separately for nurse crop under the Seeding Nurse Crop bid item as specified in standard spec 630.5.



## **32. Wall Modular Block Gravity R-66-0086, Item SPV.0165.01.**

### **A Description**

This special provision describes designing, furnishing materials and erecting a permanent earth retention system in accordance 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.

### **B Materials**

#### **B.1 Proprietary Wall Systems**

The supplied wall system must be from the department's approved list of Modular Block Gravity 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. See the approved products list titled "Proprietary Retaining Wall System Vendors." The name of the pre-approved proprietary wall system selected shall be furnished to the engineer within 25 days after the award of contract. The department also maintains a separate list of plants pre-approved by the department to provide wall facing units. See the approved products list titled "Precast Concrete and Block Fabricators." The identity of the plant manufacturing the facing units shall be furnished to the engineer at least 14 days prior to the project delivery.

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 closing date. To receive pre-approval, the retaining wall system must comply with all pertinent requirements of this provision and be prepared in accordance 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](mailto:DOTDLStructuresFabrication@dot.wi.gov).

To be eligible to provide wall facing units for this project, a block manufacturing plant must be pre-approved by the Bureau of Technical Services and added to that list 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](mailto: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 conforms to 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 drawings. 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 in accordance with Table 11.5.7-1 in AASHTO LRFD.

Design and construct the walls in accordance to the lines, grades, heights and dimensions shown on the plans, as herein specified, and as directed by the engineer.

Walls shall be designed for a minimum live load surcharge of 100 psf in accordance with Chapter 14 of the WisDOT LRFD Bridge Manual or as shown 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 Ratio (CDR) for sliding, eccentricity, and bearing checks is provided 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 in accordance with AASHTO LRFD 11.10.6. Internal stability shall also be considered at each block level. Calculations for factored stresses and resistances shall be based upon assumed conditions at the end of the design life. The width of the modular block (front face to back face) shall be included in the design computations and shown on the wall shop drawings. Blocks must have a minimum width of 8 inches. Block widths may vary among courses, but shall consist of only a single block. 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.

Wall facing units shall be designed in accordance with AASHTO LRFD 11.10.2.3.

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 units shall consist of precast modular concrete blocks. Furnish concrete produced by a dry-cast or wet-cast process. Concrete for all blocks shall not contain less than 565 pounds of cementitious materials per cubic yard. The contractor may use cement conforming to standard spec. 501.2.1 or may substitute for Portland cement at the time of batching conforming to standard spec. 501.2.6 for fly, 501.2.7 for slag, or 501.2.8 for other pozzolans. In either case the maximum total supplementary cementitious content is limited to 30% of the total cementitious content by weight.

Dry-cast concrete blocks shall be manufactured in accordance with ASTM C1372 and this specification.

All units shall incorporate a mechanism or devices that develop a mechanical connection between vertical block layers. Units that are broken, have cracks wider than 0.02" and longer than 25% of the nominal height of the unit, chips larger than 1", have excessive efflorescence, or are otherwise deemed unacceptable by the engineer, shall not be used within the wall. A single block front face style shall be used throughout each wall. The color and surface texture of the block shall be as given on the plan.

The top course of facing units shall be as noted on the plans, either;

- Solid precast concrete unit designed to be compatible with the remainder of the wall. The finishing course shall be bonded to the underlying facing units with a durable, high strength, flexible adhesive compound compatible with the block material.
- A formed cast-in-place concrete cap. A cap of this type shall have texture, color, and appearance, as noted on the plans. The vertical dimension of the cap shall not be less than 3 1/2 inches. Expansion joints shall be placed in the cap at a maximum spacing of 20 feet unless noted otherwise on the plan. Use 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.

Block dimensions may vary no more than  $\pm 1/8$  inch from the standard values published by the manufacturer. Blocks must have a minimum width (front face to back face) of 8 inches. The minimum front face thickness of blocks shall be 4 inches measured perpendicular from the front face to inside voids greater than 4 square inches. The minimum allowed thickness of any other portions of the block is 1 1/4 inches. The front face of the blocks shall conform to plan requirements for color, texture, or patterns.

If pins are used to align modular block facing units, they shall consist of a non-degrading polymer, or hot dipping galvanized steel and be made for the express use with the modular block units supplied, to develop mechanical interlock between facing unit block layers. Connecting pins shall be capable of holding the wall in the proper position during backfilling. Furnish documentation that establishes and substantiates the design life of such devices.

All block materials shall be furnished palletted and banded, with every pallet marked for quantity, lot number, lot size, manufacturing plant, and manufacturing date(s). Materials furnished loose or unmarked will be rejected. Rejected materials shall be removed from the project at no cost to the Department.

### B.3.1.1 Material Testing

Perform or procure quality control testing of project materials according to the following requirements:

Test	Method	Requirement	
		Dry-cast	Wet-cast
Compressive Strength (psi)	ASTM C140 or ASTM C39 [4]	5000 min.	4000 min.
Air Content (%)	AASHTO T152 [4]	N/A	6.0 +/-1.5
Water Absorption (%)	ASTM C140 [3]	6 max.	N/A
Freeze-Thaw Loss (%) 40 cycles, 5 of 5 samples 50 cycles, 4 of 5 samples	ASTM C1262 <sup>[1][2][3]</sup>	1.0 max. 1.5 max.	N/A

- [1] Test shall be run using a 3% saline solution and blocks greater than 45 days old.
- [2] Test results that meet either of the listed requirements for Freeze-Thaw Loss are acceptable.
- [3] An independent testing laboratory shall control and conduct all sampling and testing under ASTM C140/Water Absorption and ASTM C1262. Prior to sampling, the manufacturer shall identify materials by lot. Five blocks per lot shall be randomly selected for testing. Solid blocks used as a finishing or top course shall not be selected. The selected blocks shall remain under the control of the person who conducted the sampling until shipped or delivered to the testing laboratory.
- [4] The manufacturer may perform their own quality control testing under ASTM C140/Compressive Strength, ASTM C39, and AASHTO T152, if qualified for this work under the requirements for plant certification.

The contractor and fabricator shall coordinate with the independent testing agent (if used) to ensure that strength and air content samples can be taken appropriately during manufacturing. At the time of delivery of materials, furnish the engineer a certified report of test from an AASHTO-registered or ASTM-accredited independent testing laboratory for each lot furnished.

The certified test report shall include the following:

- Project ID
- Production process used (dry-cast or wet-cast)
- Name and location of testing facility
- Name of sampling technician
- Lot number, lot size, and date(s) of fabrication

Quality control testing of project materials shall be completed not more than 18 months prior to delivery. Lot size shall not exceed the maximum testing frequencies, which shall not exceed 5000 blocks for dry-cast blocks and the lesser of 150 CY or 1 day's production for wet-cast blocks. Test results will represent all blocks within the lot. Each pallet of blocks delivered shall bear lot identification information. Block lots that do not meet the requirements of this specification or blocks without supporting reports will be rejected and shall be removed from the project at no expense to the department.

Nonconforming materials will be subject to evaluation according to standard spec 106.5.

### **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 concrete leveling pad shall be as wide as the proposed blocks plus 6-inches, with 6-inches of the leveling pad extending beyond the front face of the blocks. 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.

Wall Backfill, Type A, shall comply with the requirements for Coarse Aggregate Size No. 1 as given in standard spec 501.2.7.4.2. All backfill placed within a zone from the top of the leveling pad to the top of the final layer of wall facing units and within 1 foot behind the back face of the wall shall be Wall Backfill, Type A. This includes all material used to fill openings in the wall facing units.

A layer of Geotextile Type "DF" (Schedule B) shall be placed vertically between the backfill and the Type A backfill. The geotextile shall extend from the top of the leveling pad to 6 inches below the surface of the retained soil. The geotextile shall then wrap across the top of the Type A backfill to the back of block wall facing.

Backfill placed between retained soil and Type A backfill shall comply with the requirements for Granular Backfill Grade 1 as contained in 209.2.2 of the standard spec. The Contractor may substitute Type A Backfill for Granular Backfill Grade 1.

## **C Construction**

### **C.1 Excavation and Backfill**

Excavation and preparation of the foundation for the wall and the leveling pad shall be in accordance to standard spec 206. 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. Backfilling shall closely follow erection of each course of wall facing units.

Conduct backfilling operations in such a manner as to prevent damage or misalignment of the wall facing units 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.

Do not operate tracked or wheeled equipment on the backfill within 3 feet from the back face of modular blocks. The engineer may order the removal of any large or heavy equipment that may cause damage or misalignment of the wall facing units.

### **C.2 Compaction**

Compact wall backfill Type A with at least three passes of lightweight manually operated compaction equipment acceptable to the engineer.

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 modular blocks.

### **C.3 Wall Components**

#### **C.3.1 General**

Erect wall facing units and other associated elements according to the wall manufacturer's construction guide and to the lines, elevations, batter, and tolerances as shown on the plans. Center the initial layer of facing units on the leveling pad; then level them and properly align them. Fill formed voids or openings in the facing units with wall backfill, Type A. Remove all debris on the top of each layer of facing units, before placing the next layer of facing units.

Install all pins, rods, clips, or other devices used to develop mechanical interlock between facing unit layers in accordance with the manufacturer's directions.

### **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 the 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.

### **C.4 Geotechnical Information**

Geotechnical data to be used in the design of the wall is given on the wall plan. After completing wall excavation, notify the department and allow the Regional Soils Engineer two working days to review the foundation.

### **D Measurement**

The department will measure Wall Modular Block Gravity 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 accepted measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.01	Wall Modular Block Gravity R-66-0086	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 pad, and leveling pad steps; 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.

SPV.0165.01 (20230310)

## **33. Asphaltic Repair, Item SPV.0195.01.**

### **A Description**

This special provision describes repairing areas of existing asphalt pavement with asphaltic mixtures for overlaying with new pavement.

### **B Materials**

Furnish nominal size No. 3 (19mm) aggregate blend graded as specified in standard spec 460.2.2.3 and conform to the other material and mixture requirements specified for asphaltic surface in standard spec 465.

### **C Construction**

For areas of partial depth removal, remove areas of existing asphalt pavement, including existing patching or surfacing materials, at locations the plans show, or the engineer directs in the field as specified for removing asphaltic surface milling in standard spec 204.3.2.2.2. Mill the connecting edges as true and perpendicular as possible, both parallel and perpendicular to the roadway, creating a vertical edge on all sides. Remove the pavement without injury to the remaining pavement. Dispose of removed material as specified in standard spec 204.3.1.3.

For areas of full depth removal, remove areas of existing asphalt pavement, including existing patching or surfacing materials, at locations the plans show, or the engineer directs in the field as specified for

removing asphaltic surface in standard spec 204.3.2.2.1. Saw cut the connecting edges as true and perpendicular as possible, as specified for sawing pavement in standard spec 690. Remove the pavement without injury to the remaining pavement. Dispose of removed material as specified in standard spec 204.3.1.3.

Construct as specified for asphaltic surface under 465.3 except as modified here.

*Replace standard spec 465.3.1(2) with the following:*

- (2) Place using self-propelled pavers with cut off plates. Pave at a constant speed, appropriate for the paver and mixture, that ensures uniform spreading and strike-off with a smooth, dense texture and no tearing or segregation.

*Add the following to standard spec 465.3.1 as paragraph 6:*

- (6) Place the repair to the thickness of the contiguous pavement conforming to the requirements of standard spec 460.3.2(1).

#### **D Measurement**

The department will measure Asphaltic Repair by the ton acceptably completed as specified for asphaltic pavement in 450.4.

#### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.01	Asphaltic Repair	TON

Payment is full compensation for removing old pavement; for preparing the foundation; and for providing and compacting asphaltic mixture including asphaltic binder.

The department will pay separately for tack coat under the Tack Coat bid item as specified in standard spec 455.5.

The department will pay for sawing existing asphalt pavement for removal under the Sawing Asphalt bid item as specified in standard spec 690.5.

SER-390-001 (202201121)

## **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 Provision 6**

**ASP 6 - Modifications to the standard specifications**

*Make the following revisions to the standard specifications:*

**416.2.4 Concrete Pavement Repair and Replacement**

*Replace the entire text with the following effective with the November 2022 letting:*

- (1) Except as specified in 416.3.6 for inlaid rumble strips, use grade C concrete as specified in 501.
- (2) The engineer will allow the contractor to open to construction and public traffic when the concrete reaches 2000 psi.

**416.2.5 Special High Early Strength Concrete Pavement Repair and Replacement**

**416.2.5.1 Composition and Proportioning of Concrete**

*Replace paragraph one with the following effective with the November 2022 letting:*

- (1) For the concrete mixture, use a minimum of 846 pounds of cementitious material per cubic yard of concrete. The engineer will allow the contractor to open to construction and public traffic when the concrete reaches 2000 psi. The contractor may add one or a combination of admixtures to the ingredients or to the mixture in order to obtain the required minimum strength and required air content. Do not retemper the concrete mixture.

**455.2.4.3 Emulsified Asphalts**

*Replace paragraph one with the following effective with the November 2022 letting:*

- (1) Furnish material conforming, before dilution, to the following:
    - Anionic emulsified asphalts<sup>[1]</sup>..... AASHTO M140
    - Cationic emulsified asphalts<sup>[1]</sup> ..... AASHTO M208
    - Polymer-modified cationic emulsified asphalts ..... AASHTO M316
- <sup>[1]</sup> Non-tracking emulsified asphalts shall conform to TABLE 455-1 for the type and grade specified.

**TABLE 455-1 Requirements for Non-Tracking Emulsified Asphalt**

PRODUCT	ANTT	CNTT
Saybolt Viscosity at 77°F (25°C), (AASHTO T 59), SFS	15-100	15-100
Paddle Viscosity at 77°F (25°C), (AASHTO T 382), cPs <sup>[1]</sup>	30-200	30-200
Storage Stability Test, 24 hr, (AASHTO T 59), %	1 max	1 max
Residue by Distillation, 500 ± 10 °F (260 ± 5 °C), or Residue by Evaporation, 325 ± 5 °F (163 ± 3 °C), (AASHTO T 59), %	50 min	50 min
Sieve Test, No. 20 (850 µm), (AASHTO T 59), %	0.3	0.3
Penetration at 77°F (25°C), 100 g, 5 sec, (AASHTO T 49), dmm	10-40	10-40
Ash Content, (AASHTO T 111), %	1 max	1 max
Solubility in Trichlorethylene Test, (AASHTO T 44) <sup>[2]</sup>	97.5% min	97.5% min

<sup>[1]</sup> Paddle Viscosity (AASHTO T 382) may be run in lieu of Saybolt Viscosity (AASHTO T 59).  
<sup>[2]</sup> The solubility in Trichlorethylene test (AASHTO T 44) may be run in lieu of Ash Content (AASHTO T 111).

**455.2.5 Tack Coat**

*Replace paragraph one with the following effective with the November 2022 letting:*

- (1) Under the Tack Coat bid item, furnish type SS-1h, CSS-1h, QS-1h, CQS-1h, ANTT, CNTT, or modified emulsified asphalt with an “h” suffix, unless the contract specifies otherwise.



**710.5.7 Corrective Action****710.5.7.1 Optimized Aggregate Gradations**

*Replace paragraph one with the following effective with the November 2022 letting:*

- (1) If the contractor's 4-point running average or a department test result of the volumetric percent retained exceeds the tarantula curve limits by less than or equal to 1.0 percent on a single sieve size, notify the other party immediately and do one of the following:
- Perform corrective action documented in the QC plan or as the engineer approves. Continue with the following:
    1. Document and provide corrective action results to the engineer as soon as they are available.
    2. Department will conduct two tests within the next business day after corrective action is complete.
      - If blended aggregate gradations are within the tarantula curve limits by the second department test:
        - Continue with concrete production.
        - Include a break in the 4-point running average.
        - For Class I Pavements: The department will discontinue reduced frequency testing and will test at a frequency of 1 test per placement day. Once 5 consecutive samples are passing at the 1 test per placement day frequency, the reduced frequency testing will be reapplied.
      - If blended aggregate gradations are not within the tarantula curve limits by the second department test and the contract requires an optimized aggregate gradation mix under 501.2.7.4.2.1(2), stop concrete production and submit a new optimized aggregate gradation mix design.
      - If blended aggregate gradations are not within the tarantula curve limits by the second department test and the contract does not require an optimized aggregate gradation mix under 501.2.7.4.2.1(2), stop concrete production and submit either a new optimized aggregate gradation mix design or a combined aggregate gradation mix design.
  - Submit a new optimized aggregate gradation mix design and perform the following:
    1. Restart control charts for the new mix design.
    2. Amend contractor Quality Control Plan

**715.5 Payment**

*Replace the entire text with the following effective with the November 2022 letting:*

**715.5.1 General**

- (1) The department will pay incentive for concrete strength under the following bid items:
- | <u>ITEM NUMBER</u> | <u>DESCRIPTION</u>                               | <u>UNIT</u> |
|--------------------|--|-------------|
| 715.0502           | Incentive Strength Concrete Structures           | DOL         |
| 715.0603           | Incentive Strength Concrete Barrier              | DOL         |
| 715.0715           | Incentive Flexural Strength Concrete Pavement    | DOL         |
| 715.0720           | Incentive Compressive Strength Concrete Pavement | DOL         |
- (2) Incentive payment may be more or less than the amount the schedule of items shows.
- (3) The department will administer disincentives for strength under the Disincentive Strength Concrete Structures, Disincentive Strength Concrete Barrier, Disincentive Flexural Strength Concrete Pavement, and Disincentive Compressive Strength Concrete Pavement, administrative items.
- (4) The department will adjust pay for each lot using PWL of the 28-day subplot average strengths for that lot. The department will measure PWL relative to strength lower specification limits as follows:
- Compressive strength of 3700 psi for pavements.
  - Flexural strength of 650 psi for pavements.
  - Compressive strength of 4000 psi for structures and barrier.
- (5) The department will not pay a strength incentive for concrete that is nonconforming in another specified property, for ancillary concrete accepted based on tests of class I concrete, or for high early strength concrete unless placed in pavement gaps as allowed under 715.3.1.2.2.
- (6) Submit test results to the department electronically using MRS software. The department will verify contractor data before determining pay adjustments.
- (7) All coring and testing costs under 715.3.2.2 including filling core holes and providing traffic control during coring are incidental to the contract.

**715.5.2 Pavements**

**715.5.2.1 Compressive**

- (1) The department will adjust pay for each lot using equation “QMP 3.01” as follows:

Percent within Limits (PWL)	Pay Adjustment (dollars per square yard)
>= 95 to 100	$(0.1 \times \text{PWL}) - 9.5$
>= 85 to < 95	0
>= 30 to < 85	$(1.5/55 \times \text{PWL}) - 127.5/55$
< 30	-1.50

- (2) The department will not pay incentive if the lot standard deviation is greater than 400 psi compressive.
- (3) For lots with a full battery of QC tests at less than 4 locations, there is no incentive, but the department will assess a disincentive based on the individual subplot average strengths. The department will reduce pay for sublots with an average strength below 3700 psi compressive by \$1.50 per square yard.
- (4) For integral shoulder pavement and pavement gaps accepted using tests from the adjacent travel lane, the department will adjust pay using strength results of the travel lane for integrally placed concrete shoulders and pavement gaps regardless of mix design and placement method, included in a lane-foot lot.

**715.5.2.2 Flexural**

- (1) The department will adjust pay for each lot using equation “QMP 6.02” as follows:

Percent within Limits (PWL)	Pay Adjustment (dollars per square yard)
>= 95 to 100	$(0.2 \times \text{PWL}) - 19$
>= 85 to < 95	0
>= 50 to < 85	$(2.0/35 \times \text{PWL}) - 170/35$
< 50	-2.00

- (2) The department will not pay incentive if the lot standard deviation is greater than 60 psi flexural.
- (3) For lots with a full battery of QC tests at less than 4 locations, there is no incentive, but the department will assess a disincentive based on the individual subplot average strengths. The department will reduce pay for sublots with an average strength below 650 psi flexural by \$2.00 per square yard.
- (4) For integral shoulder pavement and pavement gaps accepted using tests from the adjacent travel lane, the department will adjust pay using strength results of the travel lane for integrally placed concrete shoulders and pavement gaps regardless of mix design and placement method, included in a lane-foot lot.

**715.5.3 Structures and Cast-in-Place Barrier**

- (1) The department will adjust pay for each lot using equation “QMP 2.01” as follows:

Percent within Limits (PWL)	Pay Adjustment (dollars per square yard)
>= 99 to 100	10
>= 90 to < 99	0
>= 50 to < 90	$(7/8 \times \text{PWL}) - 78.75$
< 50	-35

- (2) The department will not pay incentive if the lot standard deviation is greater than 350 psi.
- (3) For lots with less than 4 sublots, there is no incentive, but the department will assess a disincentive based on the individual subplot average strengths. The department will reduce pay for sublots with an average strength below 4000 psi by \$35 per cubic yard.

## ADDITIONAL SPECIAL PROVISION 7

### A. Reporting 1<sup>st</sup> 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](mailto: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](mailto: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>

## 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).

## BUY AMERICA PROVISION

Buy America (as documented in M-22-11 from the Office of Management and Budget: <https://www.whitehouse.gov/wp-content/uploads/2022/04/M-22-11.pdf>) 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 smelting forward in the manufacturing process) 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 OMB M-22-11 and as referenced in CMM 228.5) must comply with Buy America. No exemptions (0.0%) are allowed.

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 exemptions and their associated costs to the certification form.



Proposal Schedule of Items

Proposal ID: 20230711003 Project(s): 1330-22-70

Federal ID(s): N/A

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	203.0220 Removing Structure (structure) 01. R-66-0080	1.000 EACH	_____.	_____.
0004	203.0220 Removing Structure (structure) 01. Twin 72"x48" Steel Pipe-Arch Culverts	1.000 EACH	_____.	_____.
0006	204.0100 Removing Concrete Pavement	196.000 SY	_____.	_____.
0008	204.0110 Removing Asphaltic Surface	101.000 SY	_____.	_____.
0010	204.0115 Removing Asphaltic Surface Butt Joints	960.000 SY	_____.	_____.
0012	204.0125 Removing Asphaltic Surface Milling	13,207.000 TON	_____.	_____.
0014	204.0150 Removing Curb & Gutter	612.000 LF	_____.	_____.
0016	204.0155 Removing Concrete Sidewalk	35.000 SY	_____.	_____.
0018	204.0165 Removing Guardrail	930.000 LF	_____.	_____.
0020	204.0195 Removing Concrete Bases	2.000 EACH	_____.	_____.
0022	204.9060.S Removing (item description) 01. Traffic Signals, STH 83 & STH 167/CTH O	1.000 EACH	_____.	_____.
0024	204.9060.S Removing (item description) 02. Concrete Block Endwalls	2.000 EACH	_____.	_____.
0026	204.9060.S Removing (item description) 03. Apron Endwalls for Pipe Underdrain	10.000 EACH	_____.	_____.
0028	205.0100 Excavation Common	725.000 CY	_____.	_____.
0030	205.0400 Excavation Marsh	575.000 CY	_____.	_____.





Proposal Schedule of Items

Proposal ID: 20230711003 Project(s): 1330-22-70

Federal ID(s): N/A

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	206.2001 Excavation for Structures Culverts (structure) 01. B-66-146	1.000 EACH	_____.	_____.
0034	206.3001 Excavation for Structures Retaining Walls (structure) 01. R-66-0086	1.000 EACH	_____.	_____.
0036	209.1500 Backfill Granular Grade 1	200.000 TON	_____.	_____.
0038	210.2500 Backfill Structure Type B	607.000 TON	_____.	_____.
0040	211.0400 Prepare Foundation for Asphaltic Shoulders	3.000 STA	_____.	_____.
0042	213.0100 Finishing Roadway (project) 01. 1330-22-70	1.000 EACH	_____.	_____.
0044	305.0110 Base Aggregate Dense 3/4-Inch	617.000 TON	_____.	_____.
0046	305.0120 Base Aggregate Dense 1 1/4-Inch	588.000 TON	_____.	_____.
0048	310.0110 Base Aggregate Open-Graded	31.000 TON	_____.	_____.
0050	311.0110 Breaker Run	1,372.000 TON	_____.	_____.
0052	311.0115 Breaker Run	77.000 CY	_____.	_____.
0054	312.0115 Select Crushed Material	14.000 CY	_____.	_____.
0056	390.0403 Base Patching Concrete Shes	1,914.000 SY	_____.	_____.
0058	416.0610 Drilled Tie Bars	830.000 EACH	_____.	_____.
0060	416.0620 Drilled Dowel Bars	3,639.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230711003 Project(s): 1330-22-70

Federal ID(s): N/A

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0062	450.4000 HMA Cold Weather Paving	621.000 TON	_____.	_____.
0064	455.0605 Tack Coat	8,716.000 GAL	_____.	_____.
0066	460.2000 Incentive Density HMA Pavement	12,600.000 DOL	1.00000	12,600.00
0068	460.6223 HMA Pavement 3 MT 58-28 S	11,759.000 TON	_____.	_____.
0070	460.6224 HMA Pavement 4 MT 58-28 S	8,133.000 TON	_____.	_____.
0072	465.0110 Asphaltic Surface Patching	32.000 TON	_____.	_____.
0074	465.0120 Asphaltic Surface Driveways and Field Entrances	120.000 TON	_____.	_____.
0076	465.0125 Asphaltic Surface Temporary	2.000 TON	_____.	_____.
0078	465.0475 Asphalt Centerline Rumble Strips 2-Lane Rural	7,908.000 LF	_____.	_____.
0080	504.0100 Concrete Masonry Culverts	151.000 CY	_____.	_____.
0082	505.0400 Bar Steel Reinforcement HS Structures	23,210.000 LB	_____.	_____.
0084	505.0600 Bar Steel Reinforcement HS Coated Structures	1,130.000 LB	_____.	_____.
0086	516.0500 Rubberized Membrane Waterproofing	17.000 SY	_____.	_____.
0088	601.0415 Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	612.000 LF	_____.	_____.
0090	602.0410 Concrete Sidewalk 5-Inch	641.000 SF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230711003 Project(s): 1330-22-70

Federal ID(s): N/A

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0092	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	73.000 SF	_____.	_____.
0094	606.0100 Riprap Light	78.000 CY	_____.	_____.
0096	606.0200 Riprap Medium	28.000 CY	_____.	_____.
0098	606.0300 Riprap Heavy	48.000 CY	_____.	_____.
0100	611.0420 Reconstructing Manholes	12.000 EACH	_____.	_____.
0102	611.0430 Reconstructing Inlets	4.000 EACH	_____.	_____.
0104	611.8110 Adjusting Manhole Covers	11.000 EACH	_____.	_____.
0106	611.8115 Adjusting Inlet Covers	21.000 EACH	_____.	_____.
0108	611.8120.S Cover Plates Temporary	23.000 EACH	_____.	_____.
0110	612.0106 Pipe Underdrain 6-Inch	59.000 LF	_____.	_____.
0112	612.0206 Pipe Underdrain Unperforated 6-Inch	9.000 LF	_____.	_____.
0114	612.0406 Pipe Underdrain Wrapped 6-Inch	207.000 LF	_____.	_____.
0116	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	10.000 EACH	_____.	_____.
0118	614.0397 Guardrail Mow Strip Emulsified Asphalt	337.000 SY	_____.	_____.
0120	614.2300 MGS Guardrail 3	500.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230711003 Project(s): 1330-22-70

Federal ID(s): N/A

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0122	614.2310 MGS Guardrail 3 HS	150.000 LF	_____.	_____.
0124	614.2330 MGS Guardrail 3 K	75.000 LF	_____.	_____.
0126	614.2610 MGS Guardrail Terminal EAT	8.000 EACH	_____.	_____.
0128	614.8010 Anchor Post Assembly Top Mount	16.000 EACH	_____.	_____.
0130	618.0100 Maintenance And Repair of Haul Roads (project) 01. 1330-22-70	1.000 EACH	_____.	_____.
0132	619.1000 Mobilization	1.000 EACH	_____.	_____.
0134	624.0100 Water	18.100 MGAL	_____.	_____.
0136	625.0100 Topsoil	2,740.000 SY	_____.	_____.
0138	628.1104 Erosion Bales	40.000 EACH	_____.	_____.
0140	628.1504 Silt Fence	1,921.000 LF	_____.	_____.
0142	628.1520 Silt Fence Maintenance	1,921.000 LF	_____.	_____.
0144	628.1530.S Silt Fence Heavy Duty	59.000 LF	_____.	_____.
0146	628.1535.S Silt Fence Heavy Duty Maintenance	59.000 LF	_____.	_____.
0148	628.1905 Mobilizations Erosion Control	8.000 EACH	_____.	_____.
0150	628.1910 Mobilizations Emergency Erosion Control	8.000 EACH	_____.	_____.
0152	628.2008 Erosion Mat Urban Class I Type B	2,740.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230711003 Project(s): 1330-22-70

Federal ID(s): N/A

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0154	628.6005 Turbidity Barriers	200.000 SY	_____.	_____.
0156	628.7005 Inlet Protection Type A	4.000 EACH	_____.	_____.
0158	628.7015 Inlet Protection Type C	24.000 EACH	_____.	_____.
0160	628.7020 Inlet Protection Type D	9.000 EACH	_____.	_____.
0162	628.7504 Temporary Ditch Checks	96.000 LF	_____.	_____.
0164	628.7555 Culvert Pipe Checks	27.000 EACH	_____.	_____.
0166	629.0210 Fertilizer Type B	0.220 CWT	_____.	_____.
0168	630.0140 Seeding Mixture No. 40	19.200 LB	_____.	_____.
0170	630.0200 Seeding Temporary	84.000 LB	_____.	_____.
0172	630.0400 Seeding Nurse Crop	19.100 LB	_____.	_____.
0174	630.0500 Seed Water	56.000 MGAL	_____.	_____.
0176	633.5200 Markers Culvert End	2.000 EACH	_____.	_____.
0178	634.0618 Posts Wood 4x6-Inch X 18-FT	24.000 EACH	_____.	_____.
0180	637.2210 Signs Type II Reflective H	95.000 SF	_____.	_____.
0182	637.2230 Signs Type II Reflective F	23.560 SF	_____.	_____.
0184	638.2102 Moving Signs Type II	9.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230711003 Project(s): 1330-22-70

Federal ID(s): N/A

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0186	638.2602 Removing Signs Type II	15.000 EACH	_____.	_____.
0188	638.3000 Removing Small Sign Supports	28.000 EACH	_____.	_____.
0190	642.5201 Field Office Type C	1.000 EACH	_____.	_____.
0192	643.0300 Traffic Control Drums	3,160.000 DAY	_____.	_____.
0194	643.0420 Traffic Control Barricades Type III	3,134.000 DAY	_____.	_____.
0196	643.0705 Traffic Control Warning Lights Type A	6,268.000 DAY	_____.	_____.
0198	643.0900 Traffic Control Signs	34,629.000 DAY	_____.	_____.
0200	643.0920 Traffic Control Covering Signs Type II	20.000 EACH	_____.	_____.
0202	643.1050 Traffic Control Signs PCMS	28.000 DAY	_____.	_____.
0204	643.1500 Traffic Control Speed Radar Trailer	50.000 DAY	_____.	_____.
0206	643.3250 Temporary Marking Line Removable Tape 8-Inch	150.000 LF	_____.	_____.
0208	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0210	644.1430 Temporary Pedestrian Surface Plate	236.000 SF	_____.	_____.
0212	644.1601 Temporary Pedestrian Curb Ramp	45.000 DAY	_____.	_____.
0214	644.1605 Temporary Pedestrian Detectable Warning Field	30.000 SF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230711003 Project(s): 1330-22-70

Federal ID(s): N/A

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0216	644.1810 Temporary Pedestrian Barricade	333.000 LF	_____.	_____.
0218	645.0105 Geotextile Type C	239.000 SY	_____.	_____.
0220	645.0111 Geotextile Type DF Schedule A	33.000 SY	_____.	_____.
0222	645.0120 Geotextile Type HR	384.000 SY	_____.	_____.
0224	646.1020 Marking Line Epoxy 4-Inch	38,918.000 LF	_____.	_____.
0226	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	38,204.000 LF	_____.	_____.
0228	646.3020 Marking Line Epoxy 8-Inch	102.000 LF	_____.	_____.
0230	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	584.000 LF	_____.	_____.
0232	646.5020 Marking Arrow Epoxy	5.000 EACH	_____.	_____.
0234	646.5120 Marking Word Epoxy	3.000 EACH	_____.	_____.
0236	646.5520 Marking Outfall Epoxy	19.000 EACH	_____.	_____.
0238	646.6120 Marking Stop Line Epoxy 18-Inch	364.000 LF	_____.	_____.
0240	646.6464 Cold Weather Marking Epoxy 4-Inch	1,950.000 LF	_____.	_____.
0242	646.7120 Marking Diagonal Epoxy 12-Inch	28.000 LF	_____.	_____.
0244	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	205.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230711003 Project(s): 1330-22-70

Federal ID(s): N/A

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0246	648.0100 Locating No-Passing Zones	3.900 MI	_____.	_____.
0248	650.4500 Construction Staking Subgrade	1,200.000 LF	_____.	_____.
0250	650.5000 Construction Staking Base	1,200.000 LF	_____.	_____.
0252	650.6501 Construction Staking Structure Layout (structure) 01. B-66-146	1.000 EACH	_____.	_____.
0254	650.6501 Construction Staking Structure Layout (structure) 02. R-66-0086	1.000 EACH	_____.	_____.
0256	650.8000 Construction Staking Resurfacing Reference	20,400.000 LF	_____.	_____.
0258	650.9000 Construction Staking Curb Ramps	3.000 EACH	_____.	_____.
0260	650.9500 Construction Staking Sidewalk (project) 01. 1330-22-70	1.000 EACH	_____.	_____.
0262	650.9911 Construction Staking Supplemental Control (project) 01. 1330-22-70	1.000 EACH	_____.	_____.
0264	650.9920 Construction Staking Slope Stakes	1,200.000 LF	_____.	_____.
0266	659.5000.S Lamp, Ballast, LED, Switch Disposal by Contractor	2.000 EACH	_____.	_____.
0268	690.0150 Sawing Asphalt	2,445.000 LF	_____.	_____.
0270	690.0250 Sawing Concrete	7,143.000 LF	_____.	_____.
0272	715.0502 Incentive Strength Concrete Structures	906.000 DOL	1.00000	906.00





Proposal Schedule of Items

Proposal ID: 20230711003 Project(s): 1330-22-70

Federal ID(s): N/A

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0274	740.0440 Incentive IRI Ride	15,487.000 DOL	1.00000	15,487.00
0276	SPV.0060 Special 01. Maintaining Temporary Drainage at Ashippun River	1.000 EACH	_____.	_____.
0278	SPV.0060 Special 02. Section Corner Monuments	5.000 EACH	_____.	_____.
0280	SPV.0060 Special 03. Utility Line Opening (ULO)	10.000 EACH	_____.	_____.
0282	SPV.0060 Special 04. Connection to Existing Pipe Underdrain	1.000 EACH	_____.	_____.
0284	SPV.0060 Special 05. Tuckpointing Pipe Underdrain Inlet Connections	21.000 EACH	_____.	_____.
0286	SPV.0060 Special 06. Traffic Flashing Beacon System, Solar STH 83 NB at STH 167/CTH O	1.000 EACH	_____.	_____.
0288	SPV.0060 Special 07. Traffic Flashing Beacon System, Solar STH 83 SB at STH 167/CTH O	1.000 EACH	_____.	_____.
0290	SPV.0085 Special 01. Native Pollinator Seeding Mixture No. 95A	2.400 LB	_____.	_____.
0292	SPV.0165 Special 01. Wall Modular Block Gravity R-66-0086	1,001.000 SF	_____.	_____.
0294	SPV.0195 Special 01. Asphaltic Repair	1,300.000 TON	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

**PLEASE ATTACH ADDENDA HERE**