

# HIGHWAY WORK PROPOSAL

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

Proposal Number: **009**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Statewide	1000-20-64	N/A	Ancillary Struct Rehab/Replace 2022; Locations On Stn Per Annual Plan	VAR HWY

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  <h2 style="text-align: center;">SAMPLE</h2> <h3 style="text-align: center;">NOT FOR BIDDING PURPOSES</h3> This contract is exempt from federal oversight.
Contract Completion Time April 30, 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: Sign Bridge Repair	For Department Use Only
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)

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

\_\_\_\_\_  
(Signature of Attorney-in-Fact)

**NOTARY FOR PRINCIPAL**

\_\_\_\_\_  
(Date)

State of Wisconsin )  
 ) ss.  
\_\_\_\_\_ County )

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

\_\_\_\_\_  
(Signature, Notary Public, State of Wisconsin)

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

\_\_\_\_\_  
(Date Commission Expires)

**Notary Seal**

**NOTARY FOR SURETY**

\_\_\_\_\_  
(Date)

State of Wisconsin )  
 ) ss.  
\_\_\_\_\_ County )

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

\_\_\_\_\_  
(Signature, Notary Public, State of Wisconsin)

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

\_\_\_\_\_  
(Date Commission Expires)

**Notary Seal**

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



# CERTIFICATE OF ANNUAL BID BOND

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 1000-20-64, Ancillary Struct Rehab/Replacement 2022, Locations on STN Per Annual Plan, Various Highways, Statewide, 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 ancillary sign structure rehabilitation 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 10 calendar days before the approved start date.

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

Prior to beginning of construction operations, submit your method of handling traffic, in writing, to the engineer and obtain approval from the engineer for your proposed method.

The engineer may suspend all operations in the event of an extremely hazardous situation.

At no time conduct construction operations in the median area and adjacent outside shoulder area, or ramp areas at the same time.

#### 4. Lane Rental Fee Assessment

##### A General

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

The allowable lane closure times are shown in the Traffic article.

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

Coordinate lane, ramp, and roadway closures with any concurrent operations on adjacent roadways within 3 miles of the project. If other projects are in the vicinity of this project, coordinate lane closures to run concurrent with lane closures on adjacent projects when possible. When lane closures on adjacent

projects extend into the limits of this project, Lane Rental Fee Assessments will only occur if the closure facilitates work under this contract.

## **B Lane Rental Fee Assessment**

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

- Freeway (Milwaukee): \$8,000 per lane
- Freeway (Waukesha, Racine, Kenosha): \$6,000 per lane
- Freeway (Ozaukee, Washington): \$4,000 per lane
- Service Ramps: \$1,000 per ramp
- Local Roads: \$1,000 per lane

\$6,000 per lane per hour broken into 15-minute increments

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

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

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

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

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

stp-108-065 (20161130)

## **5. Traffic.**

At no time, lift or erect signs or sign structures over live traffic lanes.

Only take lane, shoulder, or ramp closures during off-peak or nighttime hours as shown below. Restrictions are broken out by county. All closures should be requested through the engineer. If there is a facility not shown, ask engineer for allowable closure timeframes.

### **MILWAUKEE COUNTY FREEWAY CLOSURE RESTRICTIONS**

#### **Weekday Peak Hours**

- 5:30 AM – 9:30 PM Monday, Tuesday, Wednesday, Thursday [2-3 Lane Segments]
- 5:30 AM – 7:00 PM Monday, Tuesday, Wednesday, Thursday [4 Lane Segments]
- 5:30 AM – 11:00 PM Friday [All Lane Segments]

#### **Weekend Peak Hours**

- 8:00 AM – 11:00 PM Saturday [All Segments]
- 8:00 AM – 9:30 PM Sunday [2-3 Lane Segments]
- 8:00 AM – 7:00 PM Sunday [4 Lane Segments]

#### **Weekday Off-Peak Hours**

- 9:30 PM – 11:00 PM Monday, Tuesday, Wednesday, Thursday [2-3 Lane Segments]
- 7:00 PM – 9:30 PM Monday, Tuesday, Wednesday, Thursday [4 Lane Segments]



### **Weekend Off-Peak Hours**

- 9:30 PM – 11:00 PM Sunday [2-3 Lane Segments]
- 7:00 PM – 9:30 PM Sunday [4 Lane Segments]

### **Night-Time Hours**

- 11:00 PM – 5:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM) [2-3 Lane Segments]
- 9:30 PM – 5:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM) [4 Lane Segments]
- 11:00 PM – 8:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM) [All Segments]

### **Service Ramps Closure Hours**

- 9:00 PM – 6:00 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 10:30 PM – 8:30 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

Do not close freeway lanes or shoulders (including auxiliary lanes, system ramps, service ramps and CD roadway system) and ensure the roadway is entirely clear for traffic during Weekday Peak Hours and Weekend Peak Hours.

One freeway lane and/or shoulder may be closed on the freeway and system ramps, during Weekday Off-Peak hours and Weekend Off-Peak Hours but it must be approved by the engineer.

## **RACINE/KENOSHA COUNTY FREEWAY CLOSURE RESTRICTIONS**

### **Weekday Peak Hours**

- 5:30 AM – 9:00 AM Monday, Tuesday, Wednesday, Thursday
- 2:00 PM – 6:00 PM Monday, Tuesday, Wednesday, Thursday
- 5:30 AM – 7:00 PM Friday

### **Weekend Peak Hours**

- 9:00 AM – 7:00 PM Saturday
- 9:00 AM – 9:30 PM Sunday

### **Weekday Off-Peak Hours (1) [1-lane Closures]**

- 9:00 AM – 2:00 PM Monday, Tuesday, Wednesday, Thursday
- 7:00 PM – 9:30 PM Friday

### **Weekday Off-Peak Hours (2) [2-lane Closures]**

- 6:00 PM – 9:30 PM Monday, Tuesday, Wednesday, Thursday
- 9:30 PM – 11:00 PM Friday

### **Weekend Off-Peak Hours (1) [1-lane Closures]**

- 7:00 PM – 9:30 PM Sunday

### **Weekend Off-Peak Hours (2) [2-lane Closures]**

- 7:00 AM – 9:00 AM Saturday, Sunday
- 7:00 PM – 9:30 PM Saturday

### **Night-Time Hours [3-lane Closures]**

- 9:30 PM – 5:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 11:00 PM – 7:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

### **Service Ramps Closure Hours**

- 9:00 PM – 6:00 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 10:30 PM – 7:30 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

All lanes of the freeway shall be entirely clear and open to traffic at all times, except as permitted herein:

- 1-lane and 2-lane closures are permitted during off-peak hours as specified with approval of the engineer
- 3-lane closures are permitted during night-time hours as specified with approval of the engineer.

### **WAUKESHA COUNTY FREEWAY CLOSURE RESTRICTIONS**

#### **WAUKESHA COUNTY FREEWAY CLOSURE RESTRICTIONS (IH-94)**

##### **Weekday Peak Hours**

- 5:30 AM – 8:00 PM Monday, Tuesday, Wednesday, Thursday [2 Lane Segments]
- 5:30 AM – 7:00 PM Monday, Tuesday, Wednesday, Thursday [3 Lane Segments]
- 5:30 AM – 9:00 PM Friday [2 Lane Segments]
- 5:30 AM – 8:00 PM Friday [3 Lane Segments]

##### **Weekday Off-Peak Hours**

- 7:00 PM – 8:00 PM Monday, Tuesday, Wednesday, Thursday [3 Lane Segments]
- 8:00 PM – 9:00 PM Friday [3 Lane Segments]

##### **Weekday Nighttime Hours**

- 8:00 PM – 5:30 AM (Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM) [All Segments]
- 9:00 PM – 8:00 AM (Friday PM to Saturday AM) [All Segments]

##### **Weekend Peak Hours**

- 8:00 AM – 9:00 PM Saturday, Sunday [2 Lane Segments]
- 8:00 AM – 6:00 PM Saturday, Sunday [3 Lane Segments]

##### **Weekend Off-Peak Hours**

- 6:00 PM – 9:00 PM Saturday, Sunday [3 Lane Segments]

##### **Weekend Night-Time Hours**

- 9:00 PM – 8:00 AM (Saturday PM to Sunday AM) [All Segments]
- 9:00 PM – 5:30 AM (Sunday PM to Monday AM) [All Segments]

##### **Full Freeway and System Ramp Closure Hours**

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

##### **Service Ramps Closure Hours**

- 8:00 PM – 6:00 AM (Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 8:30 PM – 8:30 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)
- 8:30 PM – 6:00 AM (Sunday PM to Monday AM)

Do not close freeway lanes or shoulders (including auxiliary lanes, system ramps and service ramps) and ensure the roadway is entirely clear for traffic during Weekday Peak Hours and Weekend Peak Hours.

One freeway lane and/or shoulder may be closed on the freeway and system ramps, during Weekday Off-Peak hours and Weekend Off-Peak Hours but it must be approved by the engineer.

## **WAUKESHA COUNTY FREEWAY CLOSURE RESTRICTIONS (IH-43)**

### **East of Moorland Road**

#### **Weekday Peak Hours**

- 5:30 AM – 9:00 PM Monday, Tuesday, Wednesday, Thursday
- 5:30 AM – 10:00 PM Friday

#### **Weekday Off-Peak Hours**

- 9:00 PM – 5:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)

#### **Weekend Peak Hours**

- 10:00 AM – 10:00 PM Saturday
- 10:00 AM – 9:00 PM Sunday

#### **Weekend Off-Peak Hours**

- 10:00 PM – 10:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

### **West of Moorland Road**

#### **Weekday Peak Hours**

- 5:30 AM – 8:00 PM Monday, Tuesday, Wednesday, Thursday
- 5:30 AM – 9:00 PM Friday

#### **Weekday Off-Peak Hours**

- 8:00 PM – 5:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)

#### **Weekend Peak Hours**

- 10:00 AM – 9:00 PM Saturday
- 10:00 AM – 8:00 PM Sunday

#### **Weekend Off-Peak Hours**

- 9:00 PM – 10:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

#### **Full Freeway and System Ramp Closure Hours**

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

#### **Service Ramps Closure Hours**

- 8:00 PM – 6:00 AM (Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 8:30 PM – 8:30 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)
- 8:30 PM – 6:00 AM (Sunday PM to Monday AM)

Do not close ramps, ramp lanes or shoulders (including auxiliary lanes, system ramps and service ramps) during any other times unless approved by the engineer.

One freeway lane and/or shoulder may be closed on the freeway and system ramps, during Weekday Off-Peak hours and Weekend Off-Peak Hours but it must be approved by the engineer.

## **WASHINGTON COUNTY FREEWAY CLOSURE RESTRICTIONS**

### **South of IH-41/USH 45 Split (3 Lanes)**

#### **Weekday Peak Hours**

##### **Northbound**

- 2:00 PM – 7:00 PM Monday, Tuesday, Wednesday, Thursday
- 11:00 AM – 7:00 PM Friday

##### **Southbound**

- 5:30 AM – 9:00 AM Monday, Tuesday, Wednesday, Thursday, Friday
- 2:00 PM – 7:00 PM Monday, Tuesday, Wednesday, Thursday, Friday

#### **Weekday Off-Peak Hours**

##### **Northbound**

- 5:30 AM – 2:00 PM Monday, Tuesday, Wednesday, Thursday
- 5:30 AM – 11:00 AM Friday
- 7:00 PM – 9:30 PM Monday, Tuesday, Wednesday, Thursday
- 7:00 PM – 11:00 PM Friday

##### **Southbound**

- 9:00 AM – 2:00 PM Monday, Tuesday, Wednesday, Thursday, Friday
- 7:00 PM – 9:30 PM Monday, Tuesday, Wednesday, Thursday
- 7:00 PM – 11:00 PM Friday

#### **Weekend Peak Hours**

- 10:00 AM – 7:00 PM Saturday, Sunday

#### **Weekend Off-Peak Hours**

- 8:00 AM – 10:00 AM Saturday, Sunday
- 7:00 PM – 11:00 PM Saturday
- 7:00 PM – 9:30 PM Sunday

#### **Night-Time Hours**

- 9:30 PM – 5:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 11:00 PM – 8:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

#### **Full Freeway and System Ramp Closure Hours**

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

## **WASHINGTON COUNTY FREEWAY CLOSURE RESTRICTIONS**

### **North of IH-41/USH 45 Split (2 Lanes)**

#### **Weekday Peak Hours**

##### **Northbound**

- 3:00 PM – 6:00 PM Monday, Tuesday, Wednesday, Thursday (South of STH 60 Only)
- 9:00 AM – 8:00 PM Friday

**Southbound**

- 5:30 AM – 9:00 AM Monday, Tuesday, Wednesday, Thursday (South of STH 60 Only)
- 12:00 PM – 6:00 PM Friday

**Weekend Peak Hours**

**Northbound**

- 9:00 AM – 4:00 PM Saturday

**Southbound**

- 9:00 AM – 4:00 PM Saturday
- 10:00 AM – 8:00 PM Sunday

**Full Freeway and System Ramp Closure Hours**

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

**Service Ramps Closure Hours**

- 8:00 PM – 6:00 AM (Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 8:30 PM – 8:30 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)
- 8:30 PM – 6:00 AM (Sunday PM to Monday AM)

Do not close freeway lanes or shoulders (including auxiliary lanes, system ramps and service ramps) and ensure the roadway is entirely clear for traffic during Weekday Peak Hours and Weekend Peak Hours.

One freeway lane and/or shoulder may be closed on the freeway and system ramps, during Weekday Off-Peak hours and Weekend Off-Peak Hours but it must be approved by the engineer.

**OZAUKEE COUNTY FRWY CLOSURE RESTRICTIONS**

**Weekday Peak Hours**

**Northbound**

- 6:00 AM – 8:00 AM Monday, Tuesday, Wednesday, Thursday, Friday
- 2:00 PM – 7:00 PM Monday, Tuesday, Wednesday, Thursday
- 12:00 PM – 10:00 PM Friday

**Southbound**

- 6:00 AM – 9:00 AM Monday, Tuesday, Wednesday, Thursday, Friday
- 3:00 PM – 7:00 PM Monday, Tuesday, Wednesday, Thursday, Friday

**Weekend Peak Hours**

**Northbound**

- No Restrictions Saturday, Sunday

**Southbound**

- No Restrictions Saturday
- 10:00 AM – 7:00 PM Sunday

**Full Freeway and System Ramp Closure Hours**

- 10:00 PM – 5:00 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)

- 10:00 PM – 6:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

**Service Ramps Closure Hours**

- 6:30 PM – 6:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 9:30 PM – 6:30 AM (Friday PM to Saturday AM)
- No Restrictions (Saturday PM to Sunday AM)

Do not close freeway lanes or shoulders (including auxiliary lanes, system ramps and service ramps) and ensure the roadway is entirely clear for traffic during Weekday Peak Hours and Weekend Peak Hours.

One freeway lane and/or shoulder may be closed on the freeway and system ramps, during Weekday Off-Peak hours and Weekend Off-Peak Hours but it must be approved by the engineer.

**WALWORTH COUNTY FRWY CLOSURE RESTRICTIONS**

**\* No Lane Closure Restrictions**

**Full Freeway and System Ramp Closure Hours**

- 9:00 PM – 5:00 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 10:00 PM – 7:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)
- 10:00 PM – 5:00 AM (Sunday PM to Monday AM)

**Service Ramps Closure Hours**

- 7:00 PM – 6:00 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 7:00 PM – 8:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

**State Highway/Local Road Lane Closure Restrictions**

Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, Waukesha

**Weekday Peak Hours**

- 6:00 AM – 9:00 AM (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday)
- 4:00 PM – 6:00 PM (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday)

**Weekday Off-Peak Hours**

- 9:00 AM – 4:00 PM Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

**Night-Time Hours**

- 6:00 PM – 6:00 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM, Friday PM to Saturday AM, Saturday PM to Sunday AM)

One lane and/or shoulder may be closed on roadway segments during Weekday and Weekend Off-Peak hours and Night-time hours, but it must be approved by the engineer. If work may require multiple lane closures check with engineer for allowable time frames.

**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')</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')</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.

**6. Holiday Work Restrictions**

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying 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, June 30, 2023 to 6:00 AM Wednesday, July 5, 2023 for Independence Day;
- From noon Friday, September 1, 2023 to 6:00 AM Tuesday, September 5, 2023 for Labor Day;
- From noon Wednesday, November 22, 2023 to 6:00 AM Monday, November 27, 2023 for Thanksgiving.

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**7. Utilities**

This contract does not come under the provision of Administrative Rule Trans 220.

There are underground and overhead utility facilities located within the project limits. Coordinate construction activities with a call to Digger’s 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 and overhead facilities.

**8. Other Contracts**

Modifications to the traffic control plan may be required by the engineer to be safe and consistent with the adjacent work by others.

Provide the engineer an ancillary structure work schedule that shall not conflict with existing projects in the area, or as directed by the engineer.

## 9. Railroad Coordination

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 railroad tracks under or over. If this is not adhered to, Railroad Protective Liability Insurance as per standard spec 107.17 will be required of the contractor and incidental to the project.

## 10. Material and Equipment Staging

Submit a map showing all proposed material stockpile or equipment storage locations to the engineer 14 days prior to either preconstruction or proposed use, whichever comes first.

Identify the specific purposes for the location. Obtain written permits from the property owner and submit two copies to the engineer before use. Do not stockpile or store materials or equipment on wetlands.

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## 11. Signs Type I and II

Furnish and install mounting brackets per approved product list for type II signs on overhead sign supports incidental to sign. For type II signs on sign bridges use aluminum vertical support beams incidental to sign.

*Modify standard spec 637.2.4 with the following:*

Use stainless steel bolts, washers and nuts for type I and type II signs mounted on sign bridges or type I signs mounted on overhead sign supports. Use clips on every joint for Sign Plate A 4-6 when mounted on a sign bridge or overhead sign support. Inspect installation of clips and assure bolts and nuts are tightened to manufacturers recommended torque values.

Use aluminum vertical sign support beams that have a 5-inch wide flange and weigh 3.7 pounds per foot, if the L-brackets are 4 inches wide then use 4-inch-wide flange beams weighing 3.06 pounds per foot. Measure the width of the L-brackets on existing structures of determine the width needed for sign support beams

Use beams a minimum of 6 feet in length or equal to the height of the sign to be supported, whichever is greater. Use U-bolts that are made of stainless steel, one-half inch diameter and of the proper size to fit the truss cords of each sign bridge. Install vertical sign support beams on each sign and use new U-bolts to attach each beam to the top and bottom cord of the sign bridge truss.

For type II signs on overhead sign supports follow the approved product list for mounting brackets.

*Replace standard spec 637.2.4.1(2)2 with the following:*

Clips may be either stainless steel or ASTM B 108, aluminum alloy, 356.0-T6.

*Append standard spec 637.3.3.2(2) with the following:*

Install Type I Signs at the offset stated in the plan, which shall be the clear distance between the edge of mainline pavement right edge line and the near edge of the sign.

*Append standard spec 637.3.3.3(3) with the following:*

Furnish and install new aluminum vertical sign support beams on each sign and new U-bolts to attach each beam to the top and bottom cord of the sign bridge truss for Type I or Type II Signs and Type I signs on overhead sign supports incidental to sign.

## 12. Field Office

Due to the dispersed nature of work locations on this contract, a field office is not required for this project. Meetings with the contractor will be held at the Waukesha State Office Building, 141 NW Barstow Street, Waukesha WI 53187 or at a location approved by the engineer.



## **13. Night-time Work Lighting-Stationary.**

### **A Description**

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

### **B (Vacant)**

### **C Construction**

#### **C.1 General**

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

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

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

#### **C.2 Portable Lighting**

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

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

#### **C.3 Light Level and Uniformity**

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

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

#### **C.4 Glare Control**

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

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

1. Aim tower-mounted luminaires, either parallel or perpendicular to the roadway, so as to minimize light aimed toward approaching traffic.

2. Aim all luminaires such that the center of beam axis is no greater than 60 degrees above vertical (straight down).

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

### **C.5 Continuous Operation**

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

#### **D (Vacant)**

#### **E Payment**

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

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## **14. Rodent Screen, Item SPV.0060.01**

### **A Description**

This special provision describes replacing the missing rodent screens as shown on the plans, and as hereinafter provided.

### **B Materials**

Furnish galvanized or stainless welded 23-gauge steel mesh or PVC, with ¼" max. opening. Stainless banding or tie wires shall be used to secure the screen at the base plate. If PVC alternative is used, size PVC to fit snugly inside hole in base plate as the plans show. PVC to be 3/16" thick, min. All hardware required to properly secure the rodent screen will be considered incidental to this item.

### **C Construction**

Use construction methods that are in accordance with the standard specifications and as shown in the plans. Remove deteriorated rodent screen, if present, and replace. Construct rodent screens such that the screen is in contact with the foundation and base plate to prevent rodent access to the interior of the structure.

### **D Measurement**

The department will measure Rodent Screen as each individual rodent screen, acceptably completed.

### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Rodent Screen	EACH

Payment is full compensation for replacing rodent screen; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

## **15. Remove Grout Pad, Item SPV.0060.02**

### **A Description**

This special provision describes removing grout pads under base plates as shown on the plans, and as hereinafter provided.

### **B Materials**

Furnish cold-applied galvanizing in accordance with "Tension Anchor Rod" Article.

Furnish rodent screen and wire to secure the rodent screen in accordance with the "Replace Rodent Screen" Article.

### **C Construction**

Remove and dispose of the grout pad use air chippers or breakers that weigh no more than 35 pounds and are equipped with flat, chisel-type points with a cutting edge not less than 3/4 inch or greater than 3 inches wide. After reaching the edge of the anchor rods, do not use hammers heavier than 15 pounds within one inch of the steel. Dispose of old concrete and asphaltic patching removed away from the site. Implement necessary procedures to minimize debris dropping into the stream, streambed, roadway, or right-of-way below. If the foundation spalls during removal of grout pad, repair according to standard spec 509.3.7. If excessive areas begin to spall, contact the department for guidance.

Measure distance from top of concrete to bottom of leveling nut. If the distance is greater than the diameter of the anchor rod, contract the department for further instruction.

Thoroughly clean the existing anchor rods and leveling nuts below the base plate and apply cold galvanizing to the anchor rods and leveling nuts.

Install a rodent screen in accordance with the Replace Rodent Screen Article if electrical devices are installed on the structure.

### **D Measurement**

The department will measure Remove Grout Pad by each unit, acceptably completed.

### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.02	Remove Grout Pad	EACH

Payment is full compensation for removing and disposing of the grout pad; cleaning and applying cold-galvanizing, and for providing and installing a rodent screen.

## **16. Tension Anchor Rod, Item SPV.0060.03.**

### **A Description**

This special provision describes re-tensioning loose anchor rod nuts as shown on the plans, and as hereinafter provided.

### **B Materials**

Furnish materials that are in accordance with the pertinent provisions of standard spec 531 and as shown in the plans.

### **C Construction**

Use construction methods that are in accordance with the pertinent provisions of standard spec 532 and as shown in the plans. This work will consist of re-tensioning all loose anchor rod nuts as specified in the plans. This includes removing lock washers, adding flat and beveled washers when anchor rods are out of plumb by more than 1:40 and as noted. The contractor shall follow the re-tensioning procedure outlined herein:

- The contractor shall verify the grade of the anchor rod. If an anchor rod grade cannot be verified, the department shall be contacted for direction. Note that A36 rods have different tensioning requirements.
- The contractor shall verify the size and number of nuts required to be replaced. Note that if one or more are found to be loose, all are required to be replaced.
- Remove all jam nuts<sup>1</sup>.
- The contractor shall furnish flat washers and heavy hex nuts conforming to standard spec 531.2.2. Existing jam nuts<sup>1</sup> may be reused. Galvanized beveled washers may be required and will conform to the requirements in standard spec 531.
- Remove rodent screen<sup>1</sup>.

- Remove and dispose of the grout pad<sup>1</sup> according to standard spec 509.3.4.
- Tighten all nuts that are loose to snug tight (leveling and top nut). Reference the department's Form DT2321 for snug tight torque values.
- Contact the department for direction if the levelling or top nut is not in full contact with the base plate after snugging or cannot be turned.
- Once all nuts are snug, remove one and only one<sup>2</sup> top nut at a time and follow the remaining procedure. Top nuts, flat washers, and locking washers (if applicable) shall be discarded, the leveling nuts shall remain, and jam nuts<sup>1</sup> may be reused.
- Clean anchor rod with a wire brush to remove rust and dirt from anchor rod threads and base plate.
- Apply one light coat of fast drying zinc rich primer or spray-on cold galvanized conforming to standard spec 532.3.2(2) (if rust is present) to the full length of the anchor bolt and at damaged base plates. Repair of galvanized coating incidental to the re-tensioning process. Galvanizing must be allowed to dry before continuing.
- Apply wax-based lubricant to the anchor rod.
- Conform to standard spec 532.3.6 and as follows to re-tension anchors. Install top nut to snug tight. Reference the department's form DT2321 for snug tight torque values.
- Repeat steps 9 through 12 in this specification until all washers and nuts have been replaced.
- Tension the anchor rod nuts. Follow the department's Form DT2321 procedure steps 5 through 7 and record the tensioning process.
- Clean, lubricate and re-install jam nut<sup>1</sup> per step 8 of Form DT2321 (if applicable).
- Reinstall the rodent screen<sup>1</sup> in accordance with the "Rodent Screen" article (if applicable).
- Complete Form DT2321 for each structure and submit to the engineer for transmittal to Bureau of Structures and inclusion in HSIS.

Note<sup>1</sup> – Only for structures that have jam nuts, grout, or rodent screens.

Note<sup>2</sup> – If it is a cantilever structure with a connection which has 6 or less anchor rods, the truss or mast arm shall be supported by a crane during re-tensioning. In lieu of a supporting crane, the contractor may instead submit a structural analysis of the structure addressing proposed constructability which ensure the stability and safety of workers and the traveling public. Analysis computation and support document shall be signed, sealed and dated by a professional engineer licensed in Wisconsin, and shall be submitted to the engineer and BOS for permanent record.

All work for this item, including site clean-up, shall be completed in one shift.

#### **D Measurement**

The department will measure Tension Anchor Rods as each individual anchor rod, 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	Tension Anchor Rods	EACH

Payment is full compensation for tensioning loose anchor rod nuts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting; for removing and reinstalling rodent screen if present.

### **17. Catwalk Hardware, Item SPV.0060.04.**

#### **A Description**

This special provision describes installing connection clips and realigning and repairing handrail existing hinge mechanisms and locking pins or other miscellaneous hardware as shown on the plans, and as hereinafter provided.

**B Materials**

Hardware is to be on the Approved Products List.

**C Construction**

Field verify the size and type of connection fastener in the existing connections and provide new fasteners of the same size and type. Remove and properly dispose of the existing fasteners being replaced. Install new fasteners, ensuring that connection is secure, in the proper orientation, and not cracked.

Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

**D Measurement**

The department will measure Catwalk Hardware as each individual attachment, 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	Catwalk Hardware	EACH

Payment is full compensation for field verifying existing conditions; for removing and properly disposing of the existing fasteners; for furnishing and installing the new fasteners, including drilling, and tapping holes if needed.

**18. Snug Tight Bolt, Item SPV.0060.05.**

**A Description**

This special provision describes replacing and tightening connection bolts at post-to-truss and mast arm connection as shown on the plans, and as hereinafter provided. These connections are not designed as tensioned connections. As such, bolts are installed in a snug tight condition. Attempting to fully tension these connections could result in damage.

**B Materials**

Furnish materials that are in accordance with the pertinent provisions of standard spec 532, 657 and as shown in the plans.

**C Construction**

Use construction methods that are in accordance with the pertinent provisions of standard spec 532.6 and as shown in the plans. Replace all bolts and nuts which are loose, missing, corroded, stripped or otherwise unable to be tightened as required. The contractor shall follow the tightening procedure outlined herein:

1. The contractor shall field verify the size and number of bolts, nuts, and flat washers at each structure to be replaced. Note that some structures are missing washers. Washers are to be installed under the turned element. Bolts should be proper length to fit the connection.
2. The contractor shall furnish bolts, flat washers, and heavy hex nuts, conforming to standard spec 532. Lock washers may be used with stainless bolts only.
3. Bolts to be replaced shall be removed one at a time in a connection. If members are supported by less than 4 bolts, the member must be supported while bolts are being replaced.
4. Tighten bolts which were loose or identified to be replaced to snug tight.
5. Verify all other bolts in connection are also snug tight.

All work under this item, including site cleanup, shall be completed within one shift.

**D Measurement**

The department will measure Snug Tight Bolt as each individual connection bolt, acceptably tightened.

## 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	Snug Tight Bolt	EACH

Payment is full compensation for replacing and tightening connection bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair.

## 19. Tension Structural Bolt, Item SPV.0060.06.

### A Description

This special provision describes replacing splice, post-to-truss, truss gusset, post to mast arm and any other tensioned structural connection high strength bolts as shown on the plans, and as hereinafter provided.

### B Materials

Furnish materials that are in accordance with standard spec 532.2 and as shown in the plans.

### C Construction

Use construction methods that are in accordance with the pertinent provisions of standard spec 532.6, 657 and as shown in the plans. The contractor shall follow the re-tensioning procedure outlined herein:

1. Each bolt to be tensioned shall be replaced with a new bolt. The new bolt installed will follow the below procedure.
2. The contractor shall field verify the size and number of bolts, nuts, flat washers, and DTI washers at each structure to be replaced. Note that since the DTI's are to be utilized, the number of washers may change, and the lengths of the bolts may need to be increased.
3. Lock washers shall **not** be used in connections. Washers are **not** to be placed between faying surfaces. If present, lock washers and washers between faying surfaces must be removed and discarded. Beveled washed may be required if connected plates are not parallel.
4. The contractor shall furnish bolts, flat washers, heavy hex nuts, shims, and DTI's conforming to standard spec 532.
5. Perform the pre-installation test in accordance with the department's form DT2322.
6. Tighten all nuts that are loose to snug tight. Note that this is to be done for stability purposes<sup>1</sup>
7. Once all nuts are snug, remove one and only one bolt at a time and follow the remaining procedure. Existing bolts, nuts washers, and shims shall be discarded.
8. Install the new bolt to snug tight.
9. Repeat steps 7 and 8 until all bolts have been replaced. Ensure there are no gaps in the faying surface after all bolts have been replaced. If gaps are present, see note 1 below, otherwise contact the Bureau of Structures.
10. Follow the department's Form DT2322 installation procedure for tensioning of the replacement bolts.
11. Complete Form DT2322 for each structure and submit to the regional ancillary structure engineer for transmittal to BOS and inclusion in HSIS.

Note<sup>1</sup> - If a shim must be added to a full span splice connection, note the existing gap before the bolts are removed, support the truss/chord with a crane, and remove all bolts at the same time. Insert the appropriate number and thickness of shims and install new bolts. Tensioned bolts conforming to DT2322.

All work under this item, including site cleanup, shall be completed within one shift. If it is a cantilever structure or a connection which has 6 or less bolts, the truss or mast arm shall be supported by a crane or placed on cribbing during bolt replacement. In lieu of a supporting crane, the contractor may instead submit a structural analysis of the structure addressing proposed constructability which ensure the stability and safety of workers and the traveling public. Analysis computation and support document shall

be signed, sealed and dated by a professional engineer licensed in Wisconsin, and shall be submitted to the engineer and BOS for permanent record.

**D Measurement**

The department will measure Tension Structural Bolt as each individual bolt, 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.0060.06	Tension Structural Bolt	EACH

Payment is full compensation for replacing all necessary splice, post-to-truss, truss gusset, post to mast arm and any other tensioned structural connection high strength bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair.

**20. Replace U-Bolt, Item SPV.0060.07**

**A Description**

This special provision describes furnishing and replacing damaged, loose, or incorrectly placed U-bolts as shown on the plans, and as hereinafter provided.

**B Materials**

Stainless steel U-bolts and lock washers shall conform to ASTM 304. Stainless steel hex nuts shall conform to ASTM A276.

**C Construction**

Field verify the size and use construction methods that are in accordance with the pertinent provisions of standard spec 532, WisDOT Sign Plates A4-7A and A4-7B and as shown in the plans.

**D Measurement**

The department will measure Replace U-bolt as each individual U-bolt, 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.0060.07	Replace U-Bolt	EACH

Payment is full compensation for furnishing and replacing U-bolts, nuts and lock washers; for removing and properly disposing of existing materials; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, drilling, handling, transporting, and erecting.

**21. Remove Catwalk and L Bracket, Item SPV.0060.08.**

**A Description**

This special provision describes removing the existing catwalk and associated hardware as shown on the plans, and as hereinafter provided.

**B (Vacant)**

**C Construction**

Remove the existing catwalk. If existing L brackets support sign panels and catwalk, cut L brackets at bottom of sign panel.

Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

**D Measurement**

The department will measure Remove Catwalk and L Bracket as each individual attachment, 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.0060.08	Remove Catwalk and L Bracket	EACH

Payment is full compensation for field verifying existing conditions; for removing and properly disposing of the existing; for furnishing and installing any new fasteners.

**22. Install Pole, Truss, Signs, Sign Bridge S-30-0609, Item SPV.0060.09.**

**A Description**

This special provision describes installing a department furnished pole, previously salvaged truss and signs on existing foundations as shown in the plans.

**B Materials**

Furnish connection hardware necessary to install all sign structure materials in accordance with applicable sections of standard spec 532.

**C Construction**

Verify that the new pole will fit on the existing concrete foundation. Pick up the materials from the department’s storage facility. Install poles, truss, and signs in accordance with applicable sections of standard spec 532. Document all anchor rod tightening on department form DT2321 and high strength bolt installation on department form DT2322. Perform bolting operations as part standard spec 532 and per form DT2322. Perform acceptance and inspection testing.

**D Measurement**

The department will measure Install Pole, Truss, Signs Sign Bridge S-30-0609 as each structure, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.09	Install Pole, Truss, Signs, Sign Bridge S-30-0609	EACH

Payment is full compensation for providing all materials; for handling, transporting and erecting.

**23. Adjust Sign, Item SPV.0060.10**

**A Description**

This special provision describes adjusting vertical clearance, rotation or securing signs as shown on the plans, and as hereinafter provided.

**B Materials**

Furnish materials that are in accordance with specifications and as required by WisDOT Sign Plates A4-7A and A4-7B.

**C Construction**

Signs marked in the plan were incorrectly installed, are loose, rotated or installed below the minimum vertical clearance. Reset the sign connection so that it is tight, in the correct orientation and at the proper elevation. Use construction methods that are in accordance with standard spec 637 and as shown in the plans.



If new connection hardware is required, conform to installation requirements of standard spec 637 and sign plate details noted in the materials section.

**D Measurement**

The department will measure Adjust Sign by each unit, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.10	Adjust Sign	EACH

Payment is full compensation for field verifying existing conditions; for furnishing and installing all connection hardware and attaching the sign.

**24. Sign Panel Connector, Item SPV.0060.11**

**A Description**

This special provision describes furnishing and installing sign panel connectors and removing and replacing existing defective or damaged sign panel connectors as shown in the plans, and as hereinafter provided.

**B Materials**

Provide sign panel connectors, bolts, nuts and washers meeting the requirements of standard spec 637.2.4 and WisDOT Sign Plate A5-2. Connectors shall be aluminum alloy 356-T6, bolts shall be stainless steel, flat washer shall be 3/8" x .091 stainless steel and stop nuts shall be stainless steel.

**C Construction**

Use construction methods that are in accordance with the pertinent provisions of standard spec 637 of the standard specifications and as shown in the plans.

Remove and properly dispose of defective or damaged existing sign panel connectors.

Tighten the bolts and nuts to the manufacturer's recommended torque value. Ensure that aluminum castings are snug and not cracked.

**D Measurement**

The department will measure Sign Panel Connector as each individual sign panel connector, 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.0060.11	Sign Panel Connector	EACH

Payment is full compensation for furnishing and installing sign panel connectors, bolts, nuts and washers; for removing and properly disposing of existing defective or damaged sign panel connectors.

**25. Vertical Sign Support, Item SPV.0060.12**

**A Description**

This special provision describes revising non-compliant, replacing damaged or installing missing sign support brackets as shown on the plans, and as hereinafter provided.

**B Materials**

Furnish Aluminum I Beams (I5 X 3.7) and U-bolts for each Type II Sign for overhead signs support that are according to standard spec 637, WisDOT Sign Plates A4-7A and A4-7B and as shown in the plans.

**C Construction**

Take down the existing sign panel and remove the existing support bracket and properly dispose of the bracket assembly. Use construction methods that are according to standard spec 637 and 532 and as shown in the plans. Provide torque requirement and other installation instructions to the region. All bolts, nuts, washers or miscellaneous items required to replace the damaged or deteriorated sign bracket with two I-Beams per sign will be considered incidental to this item. If an existing sign is to be re-installed, the installation of the sign is incidental.

Existing I Beams that have U-bolts on the same side of the web for both connection locations shall have new holes drilled and new U-bolts installed.

Existing I Beams that have slotted holes can have backing plates per the plan details installed or new I Beams installed. U-bolts shall be replaced.

**D Measurement**

The department will measure Vertical Sign Support as each individual I Beam assembly, acceptably installed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.12	Vertical Sign Support	EACH

Payment is full compensation for modifying or replacing sign support bracket with new aluminum I Beams and U-bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for handling, transporting, and erecting.

**26. Luminaire Items, Item SPV.0060.13.**

**A Description**

This special provision describes securing or replacing the luminaire cover, removing an existing luminaire, replacing Unistrut that supports luminaires, and installing bulb safety chains to a high mast lights as shown on the plans, and as hereinafter provided.

**B Materials**

Furnish materials that are in accordance with standard spec 659, the Approved Product List and as shown in the plans.

**C Construction**

Use construction methods that are in accordance with standard spec 651, 655, 659 and 660 and as shown in the plans.

Field verify the size and type of connection fastener in the existing luminaire and provide new fasteners of the same size and type. If the existing fasteners are sheared off in the luminaire cover, drill and tap the holes to accept new fasteners.

Replace cracked luminaire covers or lenses.

Remove and properly dispose of the existing fasteners being replaced.

Any cracked, fatigued luminaire assemblies shall be replaced per the direction of engineer/WisDOT Electrical Field Unit.

Contractor shall notify WisDOT Electrical Field Unit at (414) 266-1170 or WisDOT Signal Operations Unit at (414) 750-2605 at least five working days prior to performing any work on signal monotubes.

**D Measurement**

The department will measure Luminaire Items as each individual luminaire, 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.0060.13	Luminaire Items	EACH

Payment is full compensation for field verifying existing conditions; for removing and properly disposing of the existing materials; for furnishing and installing the new materials, including drilling and tapping holes.

## **27. Conduit Plug, Item SPV.0060.14.**

### **A Description**

This special provision describes replacing missing conduit plugs as shown on the plans, and as hereinafter provided.

### **B Materials**

Furnish materials that are in accordance with standard spec 652 and as shown in the plans.

### **C Construction**

Use construction methods that are in accordance with standard spec 652 and as shown in the plans.

Field verify the size of the conduit plug required. Lubricate the conduit plug threads with an approved anti-seize compound.

### **D Measurement**

The department will measure Install Conduit Plug as each individual conduit plug, 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.0060.14	Conduit Plug	EACH

Payment is full compensation for field verifying existing conditions; for furnishing and installing the new conduit plug, including anti-seize compound.

## **28. Replace Dished Washer, Item SPV.0060.15.**

### **A Description**

This special provision describes furnishing and installing dished washers as shown on the plans, and as hereinafter provided.

### **B Materials**

Furnish a dished washer that is in accordance with standard spec 658. Hardware is to be on the Approved Products List.

### **C Construction**

Use construction methods that are in accordance with standard spec 658 and as shown in the plans.

Field verify the size of the existing dished washer and provide a new dished washer of the same size. If the cable, band or bolt are corroded, replace them.

Remove and replace the existing dished washer and properly dispose of it. Ensure that new washed is not cracked after tightening the connection.

Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

Contractor shall notify WisDOT Electrical Field Unit at (414) 266-1170 or WisDOT Signal Operations Unit at (414) 750-2605 at least five working days prior to performing any work on signal monotubes.

**D Measurement**

The department will measure Replace Dished Washer as each individual dished washer, 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.0060.15	Replace Dished Washer	EACH

Payment is full compensation for field verifying existing dished washer size; for removing and properly disposing of the existing dished washer; for furnishing and installing the new dished washer.

**29. Replace Signal Shroud, Item SPV.0060.16.**

**A Description**

This special provision describes furnishing and installing signal shrouds as shown on the plans, and as hereinafter provided.

**B Materials**

Furnish shrouds that are in accordance with standard spec 658 and the Approved Products List.

**C Construction**

Use construction methods that are in accordance with standard spec 658 and as shown in the plans.

Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

Contractor shall notify WisDOT Electrical Field Unit at (414) 266-1170 or WisDOT Signal Operations Unit at (414) 750-2605 at least 5 working days prior to performing any work on signal monotubes.

**D Measurement**

The department will measure Replace Signal Shroud as each individual dished washer, 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.0060.16	Replace Signal Shroud	EACH

Payment is full compensation for field verifying existing signal shroud size; for removing and properly disposing of the existing shrouds; for furnishing and installing the new shrouds.

**30. Signal Mounting Hardware Modified, Item SPV.0060.17.**

**A Description**

This special provision describes replacing the signal connection assembly or miscellaneous signal mounting hardware as shown on the plans, and as hereinafter provided.

**B Materials**

Furnish materials that are in accordance with the pertinent provisions of standard spec 658 of the standard specifications and as shown in the plans. All bolts, nuts, washers or miscellaneous items required to replace the cracked or deteriorated signal connection assemblies will be considered incidental to this item. Signal hardware is to be on the Approved Products List.

**C Construction**

Use construction methods that are in accordance with the pertinent provisions of standard spec 658 of the standard specifications and as shown in the plans. Provide all materials required to replace the signal connection clamp. Ensure the bracket is not cracked after tightening the connections.

Any cracked, fatigued assemblies shall be replaced per the direction of engineer/WisDOT Electrical Field Unit.

Contractor shall notify WisDOT Electrical Field Unit at (414) 266-1170 or WisDOT Signal Operations Unit at (414) 750-2605 at least 5 working days prior to performing any work on signal monotubes.

**D Measurement**

The department will measure Signal Mounting Hardware Modified as each individual signal 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.0060.17	Signal Mounting Hardware Modified	EACH

Payment is full compensation for replacing signal connection assembly; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

**31. ID Plaque, Item SPV.0060.18.**

**A Description**

This special provision describes installing sign and signal ID plaques as shown on the plans, and as hereinafter provided.

**B Materials**

Furnish materials that are in accordance with SDD Structure Identification Plaques, Ramp Gates, Sign Bridges & Overhead Sign Supports & Traffic Signals as required by structure type.

**C Construction**

Install the sign bridge ID plaque in accordance with SDD Structure Identification Plaques, Ramp Gates, Sign Bridges & Overhead Sign Supports & Traffic Signals as required by structure type. Miscellaneous hardware required to securely install the ID plaque will be considered incidental to this item.

**D Measurement**

The department will measure ID Plaque as each individual ID plaque, 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.0060.18	ID Plaque	EACH

Payment is full compensation for installing the ID plaque; for removing and properly disposing of existing materials being replaced; for furnishing and installing all materials and miscellaneous items to complete the installation; and for fabricating, handling, transporting, and erecting.

**32. Handhole Cover, Item SPV.0060.19**

**A Description**

This special provision describes replacing or securing handhole covers as shown on the plans, and as hereinafter provided.

**B Materials**

Furnish materials that are in accordance with the pertinent provisions of standard spec 532 and as shown in the plans.

**C Construction**

Use construction methods that are in accordance with the pertinent provisions of standard spec 532 and as shown on plans. Replace missing handhole covers or bolts. Drill and tap bolt holes as required.

**D Measurement**

The department will measure Handhole Cover as each individual handhole cover, 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.0060.19	Handhole Cover	EACH

Payment is full compensation for replacing or tightening handhole cover bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

**33. Post/End Cap, Item SPV.0060.20**

**A Description**

This special provision describes securing or replacing missing or deteriorated chord, post and miscellaneous caps and securing them as shown on the plans, and as hereinafter provided.

**B Materials**

Furnish materials that are in accordance with the pertinent provisions of standard spec 532 and 657 and as shown in the plans. Contractor to field verify size of chord, post and miscellaneous caps to be replaced.

**C Construction**

Use construction methods that are in accordance with the pertinent provisions of standard spec 532 and 657 and as shown in the plans. Miscellaneous hardware required to securely install the end cap will be considered incidental to this item.

**D Measurement**

The department will measure Secure/ Replace Cap as each individual cap, 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.0060.20	Post/End Cap	EACH

Payment is full compensation for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

**34. Remove Debris, Item SPV.0060.21**

**A Description**

This special provision describes removing debris on the structure and foundation as shown on the plans, and as hereinafter provided.

**B (Vacant)**

**C Construction**

Remove debris and dispose of it in accordance with standard spec 202.

Remove and properly dispose of all debris at the truss connections and elements. Ensure that the connections and truss elements are free of all debris.

**D Measurement**

The department will measure Remove Debris as 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.0060.21	Remove Debris	EACH

Payment is full compensation for removing and disposing of the debris; restoration; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

**35. Traffic Control - Shoulder Closure, Item SPV.0060.22.**

**A Description**

This special provision describes providing traffic control by closing a shoulder to perform the necessary repairs for each structure.

**B Materials**

Furnish materials that are according to the pertinent provisions of standard spec 643 and as shown in the plans and listed in Section 5 – Traffic. Furnishing of signs, channelizing devices (barrels, cones, etc.), lights, sign coverings and vehicles for performing traffic control shall be considered incidental to this item.

**C Construction**

Provide advance notice and request all closures as required per Section 5 – Traffic. Use construction methods that are according to the pertinent provisions of standard spec 643, MUTCD and as shown in the plans.

**D Measurement**

The department will measure Traffic Control – Shoulder Closure as each individual lane closed and reopened to traffic, 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.0060.22	Traffic Control – Shoulder Closure	EACH

Payment is full compensation for furnishing all required signs and materials for proper traffic control and for deploying and removal of all materials.

**36. Traffic Control - Single-Lane Closure, Item SPV.0060.23.**

**A Description**

This special provision describes providing traffic control by closing a lane to traffic to perform the necessary repairs for each structure.

**B Materials**

Furnish materials that are according to the pertinent provisions of standard spec 643 and as shown in the plans and listed in Section 5 – Traffic. Furnishing of signs, channelizing devices (barrels, cones, etc.), lights, sign coverings and vehicles for performing traffic control shall be considered incidental to this item.

**C Construction**

Provide advance notice and request all closures as required per Section 5 – Traffic. Use construction methods that are according to the pertinent provisions of standard spec 643, MUTCD and as shown in the plans.

**D Measurement**

The department will measure Traffic Control – Single Lane Closure as each individual lane closed and reopened to traffic, acceptably completed. Closure of adjacent shoulder is incidental to this item.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.23	Traffic Control – Single Lane Closure	EACH

Payment is full compensation for furnishing all required signs and materials for proper traffic control and for deploying and removal of all materials.

**37. Traffic Control - Double-Lane Closure, Item SPV.0060.24.**

**A Description**

This special provision describes providing traffic control by closing two lanes to traffic to perform the necessary repairs for each structure. Traffic control plans shall be submitted to the engineer for acceptance at least 10 working days prior to performing the closure.

**B Materials**

Furnish materials that are according to the pertinent provisions of standard spec 643 and as shown in the plans and listed in Section 5 – Traffic. Furnishing of signs, channelizing devices (barrels, cones, etc.), sign coverings and vehicles for performing traffic control shall be considered incidental to this item.

**C Construction**

Provide advance notice and request all closures as required per Section 5 – Traffic. Use construction methods that are according to the pertinent provisions of standard spec 643, MUTCD and as shown in the plans.

**D Measurement**

The department will measure Traffic Control – Double Lane Closure as each double lane closure performed and reopened to traffic, acceptably completed. Closure of adjacent shoulder is incidental to this item.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.24	Traffic Control – Double-Lane Closure	EACH

Payment is full compensation for furnishing all required signs and materials for proper traffic control and for deploying and removal of all materials.

**38. Traffic Control - Ramp Closure, Item SPV.0060.25.**

**A Description**

This special provision describes providing traffic control by closing a ramp to traffic to perform the necessary repairs for each structure. Traffic control plans shall be submitted to the engineer for acceptance at least 10 working days prior to performing the closure.



**B Materials**

Furnish materials that are according to the pertinent provisions of standard spec 643, as shown in the plans, and listed in Section 5 – Traffic. Furnishing of signs, channelizing devices (barrels, cones, etc.), sign coverings and vehicles for performing traffic control shall be considered incidental to this item.

**C Construction**

Provide advance notice and request all closures as required per Section 5 – Traffic. Use construction methods that are according to the pertinent provisions of standard spec 643, MUTCD and as shown in the plans.

**D Measurement**

The department will measure Traffic Control – Ramp Closure as each individual ramp closed and reopened to traffic, 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.0060.25	Traffic Control – Ramp Closure	EACH

Payment is full compensation for furnishing all required signs and materials for proper traffic control and for deploying and removal of all materials.

**39. Traffic Control - Rolling Full Freeway/Roadway Closure, Item SPV.0060.26.**

**A Description**

This item shall consist of furnishing the labor and equipment required for closing and subsequently opening the freeway according to standard spec 643, the plans, and as directed by the engineer. The closures shall consist of a maximum 15-minute durations for full closure, followed by reopening at least one lane to traffic while work is completed in the closed lanes or shoulder. Detours shall not be required if the maximum duration of each full closure is less than 15 minutes.

**B Materials**

Furnish materials that are according to the pertinent provisions of standard spec 643, as shown in the plans, and listed in Section 5 – Traffic. Furnishing of signs, channelizing devices (barrels, cones, etc.), sign coverings and vehicles for performing traffic control shall be considered incidental to this item.

**C Construction**

Provide advance notice and request all closures as required per Section 5 – Traffic. Coordinate the closure with County law enforcement. Drums, barricades, and signs may remain along the outside edge of the freeway lane or shoulder when the freeway is open to traffic. Work during full closure is limited to removing or placing truss or chord members and placing on the shoulder during 15-minute closure. Any work to truss, chords or signs must be completed on the shoulder with at least one lane open to traffic.

**D Measurement**

The department will measure Traffic Control Full Freeway Closure by each individual freeway closure that is set up and subsequently removed in each traffic direction within a 24-hour time period, 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.0060.26	Traffic Control – Rolling Full Freeway/Roadway Closure	EACH

Payment is full compensation for furnishing all required signs and materials for proper traffic control and for deploying and removal of all materials.

**40. Traffic Control - Full Freeway/Roadway Closure, Item SPV.0060.27.**

**A Description**

This item shall consist of furnishing the labor and equipment required for closing and subsequently opening the freeway according to standard spec 643, the plans, and as directed by the engineer. Detours and signing for detours shall be required.

**B Materials**

Furnish materials that are according to the pertinent provisions of standard spec 643, as shown in the plans, and listed in Section 5 – Traffic. Furnishing of signs, channelizing devices (barrels, cones, etc.), sign coverings and vehicles for performing traffic control shall be considered incidental to this item.

**C Construction**

Provide advance notice and request all closures as required per Section 5 – Traffic. Coordinate the closure with County law enforcement. Drums, barricades, and signs may remain along the outside edge of the freeway lane or shoulder when the freeway is open to traffic.

**D Measurement**

The department will measure Traffic Control Full Freeway Closure by each individual freeway closure that is set up and subsequently removed in each traffic direction within a 24-hour time period, 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.0060.27	Traffic Control - Full Freeway/Roadway Closure	EACH

Payment is full compensation for furnishing all required signs and materials for proper traffic control and for deploying and removal of all materials.

**41. Catwalk Repair, Item SPV.0090.01**

**A Description**

This special provision describes replacing and adjusting placement of catwalk safety chains and replacing handrail sections and toe boards as shown on the plans, and as hereinafter provided.

**B Materials**

Furnish materials that are according to standard spec 532 and as shown in the plans.

**C Construction**

Use construction methods that are according to standard spec 532, state standard details, and as shown in the plans.

Field verify the length of safety chain required and the diameter of existing eyebolts.

Provide new eye bolts (minimum of 3/16" diameter), nuts and washers for the safety chain. If the new eyebolts cannot be installed in the existing connection holes, drill the existing connection holes large enough to accept the new eyebolts. Remove and properly dispose of the existing safety chain being replaced.

**D Measurement**

The department will measure Catwalk Repair by the linear foot, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Catwalk Repair	LF

Payment is full compensation for field verifying existing conditions; for removing and properly disposing of the existing materials and connection hardware; for furnishing and installing the new equipment and connection hardware, including drilling connection holes.

**42. Repair Galvanized Coating, Item SPV.0165.01.**

**A Description**

This special provision describes providing surface cleaning and painting the galvanized posts at locations specified in the plans, and as hereinafter provided.

**B Materials**

Supply specific product data sheets to the engineer prior to starting work. Material is to be approved by the engineer prior to being installed.

**C Construction**

Repair all zinc coating that is chipped or damaged or as otherwise noted by plans or the engineer by metallizing according to ASTM A780. Thoroughly clean the places receiving coating before applying the new coating.

**D Measurement**

The department will measure Repair Galvanized Coating by the square foot, acceptably completed, with a minimum quantity of 1 square foot at each repair location.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.01	Repair Galvanized Coating	SF

Payment is full compensation for cleaning; for protecting traffic and property; for furnishing all materials and miscellaneous items to complete the replacement; for handling, transporting, and erecting.

## **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://wisconsin.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://wisconsin.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: 20230711009 Project(s): 1000-20-64

Federal ID(s): N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	509.1500 Concrete Surface Repair	30.000 SF	_____.	_____.
0004	517.0601 Painting Epoxy System (structure) 01. S-51-0233	1.000 EACH	_____.	_____.
0006	614.0950 Replacing Guardrail Posts and Blocks	1.000 EACH	_____.	_____.
0008	614.0951 Replacing Guardrail Rail and Hardware	15.000 LF	_____.	_____.
0010	619.1000 Mobilization	1.000 EACH	_____.	_____.
0012	638.2101 Moving Signs Type I	1.000 EACH	_____.	_____.
0014	643.1050 Traffic Control Signs PCMS	30.000 DAY	_____.	_____.
0016	SPV.0060 Special 01. Rodent Screen	13.000 EACH	_____.	_____.
0018	SPV.0060 Special 02. Remove Grout Pad	11.000 EACH	_____.	_____.
0020	SPV.0060 Special 03.Tension Anchor Rod	628.000 EACH	_____.	_____.
0022	SPV.0060 Special 04. Catwalk Hardware	1.000 EACH	_____.	_____.
0024	SPV.0060 Special 05. Snug Tight Bolt	61.000 EACH	_____.	_____.
0026	SPV.0060 Special 06. Tension Structural Bolt	179.000 EACH	_____.	_____.
0028	SPV.0060 Special 07. Replace U-Bolt	20.000 EACH	_____.	_____.
0030	SPV.0060 Special 08. Remove Catwalk and L Brackets	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230711009 Project(s): 1000-20-64

Federal ID(s): N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	SPV.0060 Special 09. Install Pole, Truss, Signs, Sign Bridge S-30-0609	1.000 EACH	_____.	_____.
0034	SPV.0060 Special 10. Adjust Sign	16.000 EACH	_____.	_____.
0036	SPV.0060 Special 11. Sign Panel Connector	55.000 EACH	_____.	_____.
0038	SPV.0060 Special 12. Vertical Sign Support	56.000 EACH	_____.	_____.
0040	SPV.0060 Special 13. Luminaire Items	29.000 EACH	_____.	_____.
0042	SPV.0060 Special 14. Conduit Plug	6.000 EACH	_____.	_____.
0044	SPV.0060 Special 15. Replace Dished Washer	2.000 EACH	_____.	_____.
0046	SPV.0060 Special 16. Replace Signal Shroud	5.000 EACH	_____.	_____.
0048	SPV.0060 Special 17. Signal Mounting Hardware Modified	6.000 EACH	_____.	_____.
0050	SPV.0060 Special 18. ID Plaque	14.000 EACH	_____.	_____.
0052	SPV.0060 Special 19. Handhole Cover	9.000 EACH	_____.	_____.
0054	SPV.0060 Special 20. Post/End Cap	5.000 EACH	_____.	_____.
0056	SPV.0060 Special 21. Remove Debris	1.000 EACH	_____.	_____.
0058	SPV.0060 Special 22. Traffic Control - Shoulder Closure	47.000 EACH	_____.	_____.
0060	SPV.0060 Special 23. Traffic Control - Single-Lane Closure	74.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230711009 Project(s): 1000-20-64

Federal ID(s): N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0062	SPV.0060 Special 24. Traffic Control - Double-Lane Closure	23.000 EACH	_____.	_____.
0064	SPV.0060 Special 25. Traffic Control - Ramp Closure	15.000 EACH	_____.	_____.
0066	SPV.0060 Special 26. Traffic Control - Rolling Full Freeway/Roadway Closure	8.000 EACH	_____.	_____.
0068	SPV.0060 Special 27. Traffic Control Full Freeway/Road Closure	1.000 EACH	_____.	_____.
0070	SPV.0090 Special 01. Catwalk Repair	5.000 LF	_____.	_____.
0072	SPV.0165 Special 01. Repair Galvanized Coating	60.000 SF	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

**PLEASE ATTACH ADDENDA HERE**