

HIGHWAY WORK PROPOSAL

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

Proposal Number: **030**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Waukesha	2715-03-73	N/A	Various Bridge Locations; Sth 59 & Ush	VAR HWY 18

**ADDENDUM  
REQUIRED  
ATTACHED AT BACK**

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

Proposal Guaranty Required: \$100,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: May 9, 2023 Time (Local Time): 9:00 am	Firm Name, Address, City, State, Zip Code
Contract Completion Time November 15, 2024	<b>SAMPLE NOT FOR BIDDING PURPOSES</b>
Assigned Disadvantaged Business Enterprise Goal 0%	

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

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

Subscribed and sworn to before me this date \_\_\_\_\_

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

\_\_\_\_\_  
(Bidder Signature)

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

\_\_\_\_\_  
(Print or Type Bidder Name)

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

\_\_\_\_\_  
(Bidder Title)

Notary Seal

Type of Work: Grading, Base, Milling, Asphalt Pavement, Concrete Pavement, Bridge Deck Replacement, Bridge Replacement, Culvert Pipe, Curb and Gutter, Sidewalk, Guardrail, Chain Link Fence, Signs, Pavement Markings.	<b>For Department Use Only</b>
Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH  
PROPOSAL GUARANTY HERE**

## PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

## BID PREPARATION

### Preparing the Proposal Schedule of Items

#### A. General

- (1) Obtain bidding proposals as specified in section 102 of the standard specifications prior to 11:45 AM of the last business day preceding the letting. Submit bidding proposals using one of the following methods:
  1. Electronic bid on the internet.
  2. Electronic bid on a printout with accompanying diskette or CD ROM.
  3. Paper bid under a waiver of the electronic submittal requirements.
- (2) Bids submitted on a printout with accompanying diskette or CD ROM or paper bids submitted under a waiver of the electronic submittal requirements govern over bids submitted on the internet.
- (3) The department will provide bidding information through the department's web site at:

<https://wisconsin.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

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

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

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

- (5) The department will address equipment and process failures, if the bidder can demonstrate that those failures were beyond their control.
- (6) Contractors are responsible for checking on the issuance of addenda and for obtaining the addenda. Notice of issuance of addenda is posted on the department's web site at:

<https://wisconsin.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

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

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

## B. Submitting Electronic Bids

### B.1 On the Internet

- (1) Do the following before submitting the bid:
  4. Have a properly executed annual bid bond on file with the department.
  5. Have a digital ID on file with and enabled by Info Tech Inc. Using this digital ID will constitute the bidder's signature for proper execution of the bidding proposal.
- (2) In lieu of preparing, delivering, and submitting the proposal as specified in 102.6 and 102.9 of the standard specifications, submit the proposal on the internet as follows:
  1. Download the latest schedule of items reflecting all addenda from the Bid Express™ web site.
  2. Use Expedite™ software to enter a unit price for every item in the schedule of items.
  3. Submit the bid according to the requirements of Expedite™ software and the Bid Express™ web site. Do not submit a bid on a printout with accompanying diskette or CD ROM or a paper bid. If the bidder does submit a bid on a printout with accompanying diskette or a paper bid in addition to the internet submittal, the department will disregard the internet bid.
  4. Submit the bid before the hour and date the Notice to Contractors designates.
  5. Do not sign, notarize, and return the bidding proposal described in 102.2 of the standard specifications.
- (3) The department will not consider the bid accepted until the hour and date the Notice to Contractors designates.

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

- (1) Download the latest schedule of items from the Wisconsin pages of the Bid Express web site reflecting the latest addenda posted on the department's web site at:  
<https://wisconsin.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>  
 Use Expedite™ software to prepare and print the schedule of items. Provide a valid amount for all price fields. Follow instructions and review the help screens provided on the Bid Express™ web site to assure that the schedule of items is prepared properly.

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

**Bidder Name**

**BN00**

**Proposals: 1, 12, 14, & 22**

- (3) If bidding on more than one proposal in the letting, the bidder may include all proposals for that letting on one diskette or CD ROM. Include only submitted proposals with no incomplete or other files on the diskette or CD ROM.
- (4) The bidder-submitted printout of the Expedite™ generated schedule of items is the governing contract document and must conform to the requirements of section 102 of the standard specifications. If a printout needs to be altered, cross out the printed information with ink or typewriter and enter the new information and initial it in ink. If there is a discrepancy between the printout and the diskette or CD ROM, the department will analyze the bid using the printout information.

- (5) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:
1. The check code printed on the bottom of the printout of the Expedite™ generated schedule of items is not the same on each page.
  2. The check code printed on the printout of the Expedite™ generated schedule of items is not the same as the check code for that proposal provided on the diskette or CD ROM.
  3. The diskette or CD ROM is not submitted at the time and place the department designates.

#### **B Waiver of Electronic Submittal**

- (1) The bidder may request a waiver of the electronic submittal requirements. Submit a written request for a waiver in lieu of bids submitted on the internet or on a printout with accompanying diskette or CD ROM. Use the waiver that was included with the paper bid document sent to the bidder or type up a waiver on the bidder's letterhead. The department will waive the electronic submittal requirements for a bidding entity (individual, partnership, joint venture, corporation, or limited liability company) for up to 4 individual proposals in a calendar year. The department may allow additional waivers for equipment malfunctions.
- (2) Submit a schedule of items on paper conforming to section 102 of the standard specifications. The department charges the bidder a \$75 administrative fee per proposal, payable at the time and place the department designates for receiving bids, to cover the costs of data entry. The department will accept a check or money order payable to: "Wisconsin, Dept. of Transportation."
- (3) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:
  1. The bidder fails to provide the written request for waiver of the electronic submittal requirements.
  2. The bidder fails to pay the \$75 administrative fee before the time the department designates for the opening of bids unless the bidder requests on the waiver that they be billed for the \$75.
  3. The bidder exceeds 4 waivers of electronic submittal requirements within a calendar year.
- (4) In addition to the reasons specified in section 102 of the standard specifications, the department may refuse to issue bidding proposals for future contracts to a bidding entity that owes the department administrative fees for a waiver of electronic submittal requirements.

**PROPOSAL BID BOND**

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

**PRINCIPAL**

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

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
(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 2715-03-73, Various Bridge Locations, STH 59 & USH 18, Various Highways, Waukesha County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2023 Edition, as published by the department, and these special provisions.

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

100-005 (20230113)

#### 2. Scope of Work.

The work under this contract shall consist of removing structures, milling, base aggregate dense, HMA pavement, concrete pavement, concrete masonry bridges, bar steel reinforcement, piling, traffic control, marking, riprap, asphalt repair, 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.

#### Work Restrictions

Construction on structures B-67-0378 and B-67-0379 cannot start prior to the utility relocation work being completed. Refer to the Utility article for more information on the work being performed and the estimated construction timeframe.

#### General

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

Complete all HMA paving and permanent epoxy pavement marking by October 1, 2024.

Complete removing asphaltic surface milling prior to performing distressed pavement removal.

Place HMA pavement on milled surfaces within 72 hours of milling operation.

Pave lane and adjacent shoulder with widths of 6 feet or less in one operation to eliminate construction joint between traveled lane and shoulder pavement.

### **Interim Completion and Liquidated Damages – Structure B-67-152: Stage 1 - 55 Calendar Days**

At the beginning of Structure B-67-152 Stage 1 construction, close the outside lane of STH 59 to through traffic for a maximum of 55 calendar days. Do not reopen until completing the following work: south half of bridge.

If the contractor fails to complete the work necessary to reopen STH 59 to traffic within 55 calendar days, the department will assess the contractor \$2,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 55 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

### **Interim Completion and Liquidated Damages – Structure B-67-152: Stage 2 – 50 Calendar Days**

At the beginning of Structure B-67-152 Stage 2 construction, close the inside lane of STH 59 to through traffic for a maximum of 50 calendar days. Do not reopen until completing the following work: north half of bridge and approaches.

If the contractor fails to complete the work necessary to reopen STH 59 to traffic within 50 calendar days, the department will assess the contractor \$2,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 50 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

### **Interim Completion and Liquidated Damages – Structure B-67-152: Stage 3 – 25 Calendar Days**

At the beginning of Structure B-67-152 Stage 3 construction, close the outside lane of STH 59 to through traffic for a maximum of 25 calendar days. Do not reopen until completing the following work: outside sidewalk parapet and south approaches.

If the contractor fails to complete the work necessary to reopen STH 59 to traffic within 25 calendar days, the department will assess the contractor \$2,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 25 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

### **Interim Completion and Liquidated Damages – Structure B-67-377: 90 Calendar Days**

At the beginning of Structure B-67-377 construction, close USH 18 to through traffic for a maximum of 90 calendar days. Do not reopen until completing the following work: Structure B-67-377 and approaches

If the contractor fails to complete the work necessary to reopen USH 18 to traffic within 90 calendar days, the department will assess the contractor \$6,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 90 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

### **Interim Completion and Liquidated Damages – Structures B-67-378: 90 Calendar Days**

At the beginning of Structure B-67-378 construction, close USH 18 to through traffic for a maximum of 90 calendar days. Do not reopen until completing the following work: Structure B-67-378 and approaches.

If the contractor fails to complete the work necessary to reopen USH 18 to traffic within 90 calendar days, the department will assess the contractor \$4,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 90 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

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

### **Interim Completion and Liquidated Damages – Structures B-67-379: 90 Calendar Days**

At the beginning of Structure B-67-379 construction, close USH 18 to through traffic for a maximum of 90 calendar days. Do not reopen until completing the following work: Structure B-67-379 and approaches.

If the contractor fails to complete the work necessary to reopen USH 18 to traffic within 90 calendar days, the department will assess the contractor \$4,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 90 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

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

## **Construction Staging**

### USH 18 General Project Construction:

- Construct Structure B-67-377 and approaches.
- Construct Structures B-67-378 and B-67-389 and approaches concurrently.
- Resurface USH 18.

### STH 59 Staged Construction:

Do not move to the next stage until all work in the current stage is completed or as approved by the engineer.

#### Stage 1

- Remove south half of Structure B-67-152.
- Construct south half of Structure B-67-152.

#### Stage 2

- Remove north half of Structure B-67-152 and median lane of approaches.
- Construct north half of Structure B-67-152 and median lane of approaches.

#### Stage 3

- Construct barrier wall on Structure B-67-152 and reconstruct outside lane and shoulder of approaches.

## **Fish Spawning**

There shall be no instream disturbance of the Bark River or the Fox River as a result of construction activity under or for this contract, from March 1 to June 30 both dates inclusive, in order to avoid adverse impacts upon the spawning of fish species.

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

## **Migratory Birds**

Swallow or other migratory bird nests have been observed on or under the existing structure(s). All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act. The nesting season for swallows and other birds is from April 15 to August 31.

See below for information on affected structure(s). As a last resort, apply for a depredation permit from the US Fish and Wildlife Service for work that may disturb or destroy active nests. The need for a permit may be avoided by removing the existing bridge structure prior to nest occupation by birds or clearing nests from all structures before the nests become active in early spring.

Either prevent active nests from becoming established or prevent birds from nesting by installing and/or maintaining one suitable deterrent device on the following structure(s) prior to nesting activity under the bid item Installing and Maintaining Bird Deterrent System:

- B-67-0152, Station 80+19
- B-67-0026, Station 239+30
- B-67-0027, Station 291+63



Swallow or other migratory bird nests have been observed on the following structures; however, deterrent is not needed because (1) construction activities that may affect the underside or interior of structure(s) will not occur during the migratory bird nesting season, or (2) it has been determined that anticipated construction activities on the structure will not disturb active nests. If it is later determined during construction that the nests will be disturbed the contractor shall implement avoidance/deterrent measures or obtain a depredation permit. All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act. The nesting season for swallows and other birds is from April 15 to August 31:

- B-67-0025, Station 206+62

#### **Northern Long-eared Bat (*Myotis septentrionalis*)**

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

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

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

To avoid adverse impacts upon the NLEBs, no tree clearing is allowed between April 1 and October 31, both dates inclusive. If the required tree clearing is not completed by March 31, the department will suspend all tree clearing and associated work directly impacted by clearing.

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

Submit a schedule and description of clearing operations with the ECIP 14 days prior to any clearing operations. The department will determine, based on schedule and scope of work, what additional erosion control measures shall be implemented prior to the start of clearing operations, and list those additional measures in the ECIP.

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

*Supplement standard spec 643.3.1 with the following:*

Provide the Waukesha County Sheriff's Department, the Wisconsin State Patrol, Local Police Departments and the engineer a current telephone number with which the contractor or their representatives can be contacted during non-working hours in the event a safety hazard develops.

Do not permit construction or personnel equipment or vehicles to directly cross the live traffic lanes of STH 59. Yield to all through traffic at all locations. Equip all vehicles or equipment operating in the live traffic lanes with a hazard identification beam (flashing yellow signal light) that is visible from 360 degrees. Operate the flashing yellow beam only when merging or exiting live traffic lanes or when parked or operating on shoulders, except when parked behind barrier wall. Do not park personal vehicles within the access control limits of the highway. Do not cross live traffic lanes of STH 59 with equipment or vehicles.

Obtain prior approval from the engineer for the locations of egress or ingress for construction vehicles to prosecute the work.

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

Ensure that Flagging operations conform to standard spec 104.6.1.(4) and chapter 6E of the WMUTCD.

*Replace standard spec 643.3.1.(7) with the following:*

Provide equipment, forces, and materials to promptly restore any traffic control devices or pavement markings damaged or disturbed within 2 hours of being contacted.

SER-643-001 (20170808)

### **General**

Close driveways only for the minimum time required to construct access approaches. Prior to removal or closing of driveway access, provide 48-hour notice to the occupant and owner of business.

Close the Fox River Trail under STH 59 during bridge deck demolition/removal.

### **Traffic Staging**

Complete all work as shown in the traffic control plans. All variations from the traffic control plans shall be approved in writing at least 48 hours prior to any traffic control change.

STH 59 EB Stage 1 – Single Lane closure.

Close the outside lane and provide one 11-foot lane open to traffic on the inside.

STH 59 EB Stage 2 – Single Lane closure.

Close the inside median lane and provide one 11-foot lane open to traffic on the outside.

STH 59 EB Stage 3 – Single Lane closure.

Close the outside lane and provide one 10-foot lane open to traffic on the inside median lane.

USH 18 will be closed during construction. USH 18 eastbound traffic will be detoured north along CTH BB, east along CTH DR, and south along STH 67. USH 18 westbound traffic will be detoured north along STH 67, west along CTH DR, and south along CTH BB.

USH 18 west of CTH BB will be open to traffic. Work will require flagging in a moving operation as specified in the standard detail drawings.

### **Traffic Restrictions**

Place Traffic Control Signs PCMS 7 days in advance of detouring US 18 to alert drivers of an upcoming closure. Obtain acceptance from the engineer regarding the wording of all messages on PCMS prior to placing the message.

Long-term closure of the Fox River Trail is prohibited. The trail shall only be closed when construction activities pose a hazard to the users of the Trail.

### **Notifications**

Notify the following emergency services at least five working days prior to closure of USH 18:

#### **Law Enforcement Agencies**

The law enforcement agencies serving the project area are listed below:

Waukesha County Sheriff's Office	(262) 548-7117
Summit Police Department	(262) 567-1134
Wisconsin State Patrol - Waukesha Post	(262) 785-4700
Delafield Police Department	(262) 646-6240
City of Waukesha Police Department	(262) 524-3831

**Fire Departments and EMS**

There are three fire stations serving the project vicinity listed below:

- Sullivan Fire Department (262) 593-2200
- Lake Country Fire & Rescue – Station 42 (262) 646-6235
- Western Lakes Fire District – Dousman Station #2 (262) 965-2262
- Western Lakes Fire Station #4 (262) 567-8282

Coordination with the fire stations will be needed throughout construction. All properties on USH 18 will have access maintained to allow for emergency vehicles.

**Communications Center 911**

The Waukesha County Communication Center provides dispatching services for police and fire agencies in Waukesha County. They should be kept informed of construction operations during the project.

- Waukesha County Communication Center (262) 446-5070

**Wisconsin Lane Closure System Advance Notification**

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

**TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION**

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

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

**5. Holiday and Special Event Work Restrictions.**

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying USH 18 or STH 59 traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday and special event periods:

- From noon Friday, September 1, 2023 to 6:00 AM Tuesday, September 5, 2023 for Labor Day;
- From noon Wednesday, November 22, 2023 to 6:00 AM Monday, November 27, 2023 for Thanksgiving;
- From noon Friday, December 22, 2023 to 6:00 AM Tuesday, December 26, 2023 for Christmas;
- From noon Friday, December 29, 2023 to 6:00 AM Tuesday, January 2, 2024 for New Year’s Day;
- From noon Friday, May 24, 2024 to 6:00 AM Tuesday, May 28, 2024 for Memorial Day;
- From noon Wednesday, July 3, 2024 to 6:00 AM Monday, July 8, 2024 for Independence Day;
- From noon Friday, August 30, 2024 to 6:00 AM Tuesday, September 3, 2024 for Labor Day.

stp-107-005 (20210113)

## 6. Utilities.

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

stp-107-065 (20080501)

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

- **AT&T Wisconsin – Communication Line**
- **Brightspeed of Western Wisconsin, LLC – Communication Line**
- **Everstream – Communication Line**
- **Genesee Lk – Sewer**
- **Midwest Fiber Networks LLC – Communication Line**
- **Rogers Telecom – Communication Line**
- **Village of Dousman Utilities – Sewer**
- **Village of Dousman Utilities – Water**

Additional detailed information regarding the location of vacated, relocated, and/or removed utility facilities is available in the work plan provided by each utility company or on the permits issued to them. View these documents at the region WisDOT office during normal working hours.

**Spectrum – Communication Line** has overhead communication facilities near proposed structures B-67-0378 and B-67-0379. Spectrum will replace the overhead lines and reconnect them new WE Energies poles within the project limits. This work is anticipated to be completed prior to construction. The anticipated start date is 3 days after the receipt of pole permits from WE Energies and is estimated to take 60 working days to complete. No other work is required within the project limits.

**WE Energies – Electric** has overhead facilities running along the north side of USH 18. These overhead facilities will not be in conflict with structure B-67-0377.

Overhead lines relocated near structure B-67-0378 may encroach on the 20' limit at the northeast quadrant of bridge construction. It cannot be de-energized and will need to be worked around. The minimum approach distance is 10' with encroachment/electrocution precautions required.

Overhead lines relocated on structure B-67-0379 will encroach on the 20' limit. The electric span at Station 289+71, 46' Left to Station 293+11, 48' Left may be de-energized and/or removed during bridge construction for a short duration, if work is performed in the fall or winter season. The minimum approach distance is 10' with encroachment/electrocution precautions required.

Specific relocation work is as follows.

Pole removal locations are at Station 238+75, 47' Left, Station 241+27, 36' Left, Station 241+28, 29' Right, Station 290+13, 39' Left, Station 290+72, 42' Left, Station 291+00, 30' Left, and Station 293+11, 48' Left. New post installation locations will be at Station 238+81, 69' Left, Station 241+24, 33' Right, Station 289+68, 40' Left, Station 289+71, 46' Left, Station 290+93, 35' Right, Station 293+11, 48' Left, and Station 293+11, 48' Left. Spliced electric lines will be placed near Station 290+05, 29' Left.

This work is anticipated to be completed prior to construction. The anticipated start date is September 30, 2023 and is estimated to take 30 working days to complete for new installations and 5 working days to complete for removals for a total of 35 working days. No other work is required within the project limits.

**WE Energies – Gas** has underground gas facilities near proposed structure B-67-0379. WE Energies will relocate gas lines and reconnect them to existing facilities within the project limits. This work is anticipated to be completed prior to construction. The anticipated start date is April 2023 and is estimated to take 40 working days. No other work is required within the project limits.

**Windstream KDL, LLC – Communication Line** has overhead communication facilities near proposed structures B-67-0378 and B-67-0379. Windstream will replace the overhead lines and reconnect them new WE Energies poles within the project limits. Aerial facilities relocated at the northeast quadrant of bridge B-67-0378 may encroach on the 20' limit. This facility cannot be rerouted and will need to be worked around. Aerial facilities near structure B-67-0379 may encroach on the 20' limit. This facility cannot be rerouted and will need to be worked around.

This work is anticipated to be completed prior to construction. The anticipated start date is 3 days after the WE Energies and Spectrum relocation work is completed and is estimated to take 30 working days to complete. No other work is required within the project limits.

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

The department has received written verification of coverage under the Section 404 Transportation Regional General Permit from the U.S. Army Corps of Engineers. Comply with the requirements of the permit in addition to requirements of the special provisions.

A copy of the permit is available from the regional office by contacting Mark Wilfert at (262) 548-5936.

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

## **8. Information to Bidders, WPDES General Construction Storm Water Discharge Permit.**

The department has obtained coverage through the Wisconsin Department of Natural Resources to discharge storm water associated with land disturbing construction activities of this contract under the Wisconsin Pollutant Discharge Elimination System General Construction Storm Water Discharge Permit (WPDES Permit No. WI-S066796-1). A certificate of permit coverage is available from the regional office by contacting Craig Webster at (262) 574-2141. Post the permit in a conspicuous place at the construction site.

stp-107-056 (20180628)

## **9. Environmental Protection, Aquatic Exotic Species Control.**

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

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

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

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

Use the following inspection and removal procedures:

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

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

stp-107-055 (20130615)

## 10. Erosion Control.

*Supplement standard spec 107.20 with the following:*

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

Provide the ECIP 14 days prior to the pre-construction meeting. Provide 1 copy of the ECIP to the department and 1 copy of the ECIP to the WDNR Liaison Craig Webster, (262) 574-2141, [craig.webster@wisconsin.gov](mailto:craig.webster@wisconsin.gov). Do not implement the ECIP without department approval and perform all work conforming to the approved ECIP.

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

Stockpile excess materials or spoils on upland areas away from wetlands, floodplains, and waterways. Immediately install perimeter silt fence protection around stockpiles. If stockpiled materials will be left for more than 14 days, install temporary seed or other temporary erosion control measures the engineer orders, within 24 hours.

All disturbed stream banks and/or wetland areas should be adequately protected and /or restored or temporarily protected/restored within 24 hours of any disturbance.

Re-apply topsoil on graded areas, as the engineer directs, immediately after the grading is completed within those areas. Seed, fertilize, and mulch/erosion mat top-soiled areas, as the engineer directs, within 7 days after placement of topsoil, or temporarily seeded and mulched within 24-hours of any disturbance.

If dewatering is required for any reason, the water must be pumped into a carefully selected and sized sediment filter bag within a dewatering basin before the clean/filtered water is allowed to enter any waterway or wetland. The treatment device must remove suspended solids and meet water quality standards. Do not house any dewatering technique in a wetland without DNR approval. Dewatering devices are considered incidental to the contract.

## **Incidental Take Authorization – Slender Madtom**

The presence of the state endangered Slender Madtom (*Noturus exilis*) has been confirmed in the vicinity of the project site.

The project is likely to result in the incidental taking of some fish as a result of project activities, however, take will be minimized by adhering to conservation measures described below.

The dewatering process will not take place from May 20 – June 30, which marks the spawning period for the slender madtom.

Erosion control measures and best management practices for decreasing sedimentation must be practiced at all times since the slender madtom is highly intolerant of excessive turbidity and siltation.

Erosion control will be implemented according to DNR stormwater protocols. Erosion control mats that are used must contain biodegradable thread and netting with the “leno” or “gauze” weave (contains strands that are able to move independently).

Efforts will be taken to control flow rates to promote the natural migration of fish from the dewatering area to downstream areas as a preferred means of removing fish from the work area. In an attempt to maximize the number of fish moving downstream naturally as waters recede, fish will be herded towards downstream areas as conditions allow. Fish will be herded using long handled nets or similar means with a primary emphasis on avoiding the disturbance of soft sediments that would lead to increased turbidity.

The slender madtom is generally more active during the night. Thus, project set up and initial dewatering will begin in the morning commensurate with rescue of fish stranded in pools while there is still ample daylight.

To minimize stranding of fish, a dewatering rate of less than or equal to 10 cm/hour would be preferred. A higher dewatering rate will be ok; however, if the number of strandings observed is unacceptably high upon review of the fisheries consultant, then measures will be implemented to reduce strandings and mortality rates.

To minimize the potential for fish impingement/entrainment during installation of the Aqua Barrier and/or bypass pumping (only required as a contingency if upstream water elevation exceeds 75% of the inflated Aqua Barrier height), contractors will protect pump inlets with a large drum (e.g., 55 gal), that will be perforated at the bottom and wrapped with ¼ –inch screening. More specifically, each drum will contain 16 four-inch diameter holes staggered between 8 and 16 inches of the bottom of the drum. Based on our calculated pumping rates, each hole would draw water in at a rate of less than 1 foot per second. This pumping strategy should significantly reduce the flow rate for any one perforation and screen off the intake from having the potential to impact fish. Pumps to be utilized to fill the Aqua Barrier, contingency bypass pumping as well as dewater the work zone will include two 3-inch trash pumps, with a maximum pumping rate of 400 gallons per minute.

Upon completion of the project, all areas of temporary disturbance will be restored to pre-existing (or better) conditions; this includes river substrates, banks and shorelines.

All individuals working on the project site (e.g., engineers, construction crew, biologists) will be briefly trained on how to identify the slender madtom and instructed on the general conservation measures associated with the Incidental Take Authorization, including what to do if the madtom is observed within the project area.

Minor changes can be made to this Conservation Plan due to unforeseen circumstances if first agreed upon in writing (e.g., email correspondence) by the applicant and the ER Transportation Liaison ([stacy.rowe@wi.gov](mailto:stacy.rowe@wi.gov)). If prior approval is not received, the work is not legally covered by the Incidental Take Authorization. The only exception to this is emergency projects, which are defined for Incidental Take Permits/Authorizations as “an actual or imminent threat of significant harm to the environment or to public health or safety.”

## **Maintaining Drainage**

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

SER-107-003 (20161220)

## 11. Erosion Control Structures.

Within three calendar days after completing the excavation for a substructure unit, place riprap or other permanent erosion control items required by the contract or deemed necessary by the engineer around the unit at a minimum to a height equivalent to the calculated water elevation resulting from a storm that occurs on the average of once every two years (Q2) as shown on the plan, or as the engineer directs.

In the event that construction activity does not disturb the existing ground below the Q2 elevation, the above timing requirements for permanent erosion control shall be waived.

stp-107-070 (20191121)

### Temporary Sheet Piling

Temporary sheet piling is being specified to protect the stream banks and bottom and is required during abutment/wingwall removal and construction, and riprap placement. The temporary sheet piling shall be "knifed" into/sealed with the shore to create a completely enclosed work area. The details on the plans are for the purpose of retaining the Q2 flow only. The contractor shall not place fill or other loading on the sheet piling. The temporary sheet piling shall not be installed during in-stream restriction dates; however, the sheet piling can be removed during the in-stream restriction dates.

### Removing Structure

If sawing will be utilized, a sawing slurry management plan shall be submitted as part of the ECIP and specifically address the following items:

- a. Slurry shall not discharge to the water, stream banks, stream bed or wetlands.
- b. Each cutting pass of the saw shall be immediately followed up by squeegee (or other approved method, e.g., vacuum) and slurry collected/managed.

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

John Roelke, License Number All-119523, inspected Structure B-67-0025, B-67-0026, and B-67-0027 for asbestos on 9/12/2017. No Regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is included with the bid package or available from Andrew Malsom, (262) 548-6705, [Andrew.Malsom@dot.wi.gov](mailto:Andrew.Malsom@dot.wi.gov).

According to NR447 and DHS159, ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 03/20), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days before beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to Andrew Malsom, (262) 548-6705, [Andrew.Malsom@dot.wi.gov](mailto:Andrew.Malsom@dot.wi.gov) and via e-mail to [dothazmatunit@dot.wi.gov](mailto:dothazmatunit@dot.wi.gov) or via U.S. mail to DOT BTS-ESS attn: Hazardous Materials Specialist, 5 South S.513.12, PO Box 7965, Madison, WI 53707-7965. In addition, comply with all local or municipal asbestos requirements.

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

- Site Name: Structure B-67-0025, USH 18 over Bark River
- Site Address: S33 T07N R17E, (430116.68, 882946.21), Village of Summit
- Ownership Information: WisDOT Transportation SE Region, 141 NW Barstow St, Waukesha, WI 53188
- Contact: Mark Wilfert
- Phone: (262) 548-5936
- Age: 68 years old. This structure was constructed in 1955.
- Area: 1150 SF of deck



- Site Name: Structure B-67-0026, USH 18 over Bark River
- Site Address: S33 T07N R17E, (430121.58, 882903.20), Village of Summit
- Ownership Information: WisDOT Transportation SE Region, 141 NW Barstow St, Waukesha, WI 53188
- Contact: Mark Wilfert
- Phone: (262) 548-5936
- Age: 104 years old. This structure was constructed in 1919.
- Area: 1205 SF of deck
  
- Site Name: Structure B-67-0027, USH 18 over Bark River
- Site Address: S34 T07N R17E, (430122.28, 882755.93), Village of Summit
- Ownership Information: WisDOT Transportation SE Region, 141 NW Barstow St, Waukesha, WI 53188
- Contact: Mark Wilfert
- Phone: (262) 548-5936
- Age: 99 years old. This structure was constructed in 1924.
- Area: 1205 SF of deck

Insert the following paragraph in Section 6.g.:

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

stp-107-125 (20220628)

### **13. Archaeological Site.**

An unnamed site (47WK182) is located along USH 18 approximately within the reconstruction limits of B-67-377, B-67-378, and B-67-379 within the limits shown on the plans. The Miller site (47WK182) is located along USH 18 approximately Station 108+00 to 110+00, Left within the limits shown on the plans.

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

The fox site (47WK453) is located along STH 59 approximately Station 66+00 to 68+00, Right within the limits shown on the plans. The Masonic Home site (47WK479) is located along USH 18 approximately Station 287+00 to 290+00, Left within the limits shown on the plans.

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

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

stp-107-220 (20180628)

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

The Bark River and Fox River are classified as a state navigable waterways under standard spec 107.19.

stp-107-060 (20171130)

**15. Coordination with Businesses and Residents.**

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

stp-108-060 (20141107)

**16. Abatement of Asbestos Containing Material B-67-0152, Item 203.0211.S.**

**A Description**

This special provision describes abating asbestos containing material on structures.

**B (Vacant)**

**C Construction**

John Roelke, License Number All-119523, inspected Structure B-67-0152 for asbestos on 9/12/2017 Regulated Asbestos Containing Material (RACM) was found on this structure in the following locations and quantities: The gasket located under the railing attachments on the concrete parapet, 14.3 sq feet of PLM.

The RACM on this structure must be abated by a licensed abatement contractor. A copy of the inspection report is included in the bid package or available from Andrew Malsom, (262) 548-6705, [Andrew.Malsom@dot.wi.gov](mailto:Andrew.Malsom@dot.wi.gov). According to NR447 and DHS159, ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 3/20), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days before beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form and the abatement report to Andrew Malsom, (262) 548-6705, [Andrew.Malsom@dot.wi.gov](mailto:Andrew.Malsom@dot.wi.gov) and via email to [dothazmatunit@dot.wi.gov](mailto:dothazmatunit@dot.wi.gov) or via US mail to DOT BTS-ESS attn: Hazardous Materials Specialist, 5 South S.513.12, PO Box 7965, Madison, WI 53707-7965. In addition, comply with all local or municipal asbestos requirements.

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

- Site Name: Structure B-67-0152, STH 59 over Fox River
- Site Address: S16 T06N R19E, (425836.24, 881554.95), Town of Waukesha
- Ownership Information: WisDOT Transportation SE Region, 141 NW Barstow St, Waukesha, WI 53188
- Contact: Mark Wilfert
- Phone: (262) 548-5936
- Age: 49 years old. This structure was constructed in 1974.
- Area: 9077 SF of deck

Insert the following paragraph in Section 6.g.:

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

**D Measurement**

The department will measure Abatement of Asbestos Containing Material (Structure #) by 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
203.0211.S	Abatement of Asbestos Containing Material B-67-0152	EACH

Payment is full compensation for submitting necessary forms; removing all asbestos; and for properly disposing of all waste materials.

stp-203-005 (20220628)

## **17. Removing Structure Over Waterway Debris Capture B-67-26.**

*Add the following to 203.3.2.2.1:*

- (8) Remove man-made fill/rock placed in riverbed that is affecting the water flow, as directed by the DNR. Coordinate directly with Craig Webster, DNR Liaison, at (414) 303-3011 on the exact location of the fill/rock to be removed. It is estimated to be an area of 25 square feet and 1 foot deep.

## **18. QMP HMA Pavement Nuclear Density.**

### **A Description**

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

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

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

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

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

### **B Materials**

#### **B.1 Personnel**

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

#### **B.2 Testing**

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

#### **B.3 Equipment**

##### **B.3.1 General**

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

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

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

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

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

###### **B.3.2.2 Comparison Monitoring**

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

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

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

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

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

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

- (1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.
- (2) Determine required number of tests according to CMM 8-15.10.2.2.
- (3) Determine random testing locations according to CMM 8-15.10.3.

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

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

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

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

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

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

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

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

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

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

#### **B.4.2.4 Documentation**

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

### **B.4.3 Corrective Action**

- (1) Notify the engineer immediately when an individual test is more than 3.0 percent below the specified minimum in standard spec 460.3.3.1. Investigate and determine the cause of the unacceptable test result.
- (2) The engineer may require unacceptable material specified in B.4.3(1) to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine limits of the unacceptable area by measuring density of the layer at 50-foot increments both ahead and behind the point of unacceptable density and at the same offset as the original test site. Continue testing at 50-foot increments until a point of acceptable density is found as specified in standard spec 460.5.2.2(1). Removal and replacement of material may be required if extended testing is in a previously accepted sublot. Testing in a previously accepted sublot will not be used to recalculate a new lot density.
- (3) Compute unacceptable pavement area using the product of the longitudinal limits of the unacceptable density and the full sublot width within the traffic lanes or shoulders.

- (4) Retesting and acceptance of replaced pavement will be as specified in standard spec 105.3.
- (5) Tests indicating density more than 3.0 percent below the specified minimum, and further tests taken to determine the limits of unacceptable area, are excluded from the computations of the subplot and lot densities.
- (6) If two consecutive subplot averages within the same paving pass and same target density are more than one percent below the specified target density, notify the engineer and take necessary corrective action. Document the locations of such sublots and the corrective action that was taken.

## **B.5 Department Testing**

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

- (1) The department will have a HTCP certified technician, or ACT working under a certified technician, perform verification testing. The department will test randomly at locations independent of the contractor's QC work. The department will perform verification testing at a minimum frequency of 10 percent of the sublots and a minimum of one subplot per mix design. The sublots selected will be within the active work zone. The contractor will supply the necessary traffic control for the department's testing activities.
- (2) The QV tester will test each selected subplot using the same testing requirements and frequencies as the QC tester.
- (3) If the verification subplot average is not more than one percent below the specified minimum target density, use the QC tests for acceptance.
- (4) If the verification subplot average is more than one percent below the specified target density, compare the QC and QV subplot averages. If the QV subplot average is within 1.0 lb/ft<sup>3</sup> of the QC subplot average, use the QC tests for acceptance.
- (5) If the first QV/QC subplot average comparison shows a difference of more than 1.0 lb/ft<sup>3</sup> each tester will perform an additional set of tests within that subplot. Combine the additional tests with the original set of tests to compute a new subplot average for each tester. If the new QV and QC subplot averages compare to within 1.0 lb/ft<sup>3</sup>, use the original QC tests for acceptance.
- (6) If the QV and QC subplot averages differ by more than 1.0 lb/ft<sup>3</sup> after a second set of tests, resolve the difference with dispute resolution specified in B.6. The engineer will notify the contractor immediately when density deficiencies or testing precision exceeding the allowable differences are observed.

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

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

## **B.6 Dispute Resolution**

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

## **B.7 Acceptance**

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

**C (Vacant)**

**D (Vacant)**

## **E Payment**

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

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

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

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

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

- (1) The department will administer density incentives as specified in standard spec 460.5.2.3.  
stp-460-020 (20181119)

## **19. Bar Steel Reinforcement HS Stainless Structures, Item 505.0800.S.**

### **A Description**

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

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

### **B Materials**

#### **B.1 General**

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

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

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

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

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

#### **B.2 Fabrication**

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

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

#### **B.3 Control of Material**

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

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

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

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

## **C Construction**

### **C.1 General**

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

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

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

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

### **C.2 Splices**

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

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

## **D Measurement**

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

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

## **E Payment**

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

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

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

Payment for the Bar Couplers Stainless bid items is full compensation for providing couplers; including bar steel that is part of the coupler and not detailed in the plan; for threading reinforcing bars; for installing and coating the splice; and for supplying and testing 3 couplers.

stp-505-005 (20190618)

**20. Epoxy Crack Sealing, Item 509.9020.S.**

**A Description**

This special provision describes sealing vertical cracks in abutments as the plan details show.

**B Materials**

Furnish a penetrating epoxy sealant manufactured by Sika, Adhesive Engineering, Technical Sealants, Dayton Superior, or equal. Before using, obtain the engineer's approval for the epoxy system which is proposed to seal the cracks.

**C Construction**

Before sealing, clean the cracks by chipping and by using high-pressure air.

After all of the cleaning is completed, inject epoxy sealant into the cracks to be sealed. Seal the cracks using the penetrating epoxy sealant as recommended by the sealant manufacturer.

**D Measurement**

The department will measure Epoxy Crack Sealing in length by the linear foot of crack, acceptably sealed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
509.9020.S	Epoxy Crack Sealing	LF

Payment is full compensation for cleaning the cracks; and for furnishing and placing the epoxy sealant.

stp-509-020 (20100709)

**21. Topsoil.**

*Replace standard spec 625.2 (1) with the following:*

Topsoil consists of loam, sandy loam, silt loam, silty clay loam, or clay loam humus-bearing soils adapted to sustain plant life, and ensure the topsoil consists of the following:

Topsoil Requirements	Minimum Range	Maximum Range
pH	6.0	8.0
Organic Matter*	5%	20%
Clay	5%	30%
Silt	10%	70%
Sand	10%	70%

\*Organic matter determined by loss on ignition test of samples oven dried to constant weight at 212 F (100 C).

*Add the following to standard spec 625.2:*

Furnish material that is free from large roots, sticks, weeds, brush, stones, litter, and waste products.

Do not furnish surface soils from ditch bottoms, drained ponds, and eroded areas, or soils which are supporting growth of NR 40 listed plants and noxious weeds or other undesirable vegetation.



Replace standard spec 625.3.3 (3) with the following:

Ensure that for the upper 2 inches, 100 percent of the material passes a 1-inch sieve and at least 90 percent passes the No. 10 sieve.

SER-625-001 (20221007)

## 22. Fertilizer Type B

Replace standard spec 629.2.1.3 with the following:

(1) Fertilizer Type B Special will conform to the following requirements:

Nitrogen, not less than 24% with 6% percent of the nitrogen being slow release.

Phosphorus, not less than 15%

Potash, not less than 9%

(2) The total nitrogen, phosphorus, and potash shall equal at least 48 percent.

Replace standard spec 629.3.1.3 with the following:

(1) Apply fertilizer containing at least 48 percent total nitrogen, phosphorus, and potash at 5 pounds per 1,000 square feet unless otherwise directed by the engineer. For Fertilizer Type B Special that contains a different percentage of components, determine the new application rate by multiplying the specified rate by a dimensionless conversion factor determined as follows:

$$\text{Conversion Factor} = 48 / \text{New Percentage of Components}$$

Replace standard spec 629.4(1):

(1) The department will measure Fertilizer Type B, Special by the hundred pounds (CWT), acceptably completed, measured based on the application rate of 5 pounds per 1,000 square feet. The department will not measure fertilizer used for the bid items under standard spec 632. The measured quantity equals the number of hundred-weight (CWT) of material determined by multiplying the actual number of cwt. of material incorporated by the ratio of the actual percentage of fertilizer components used to 48 percent for Fertilizer Type B Special.

SER-629-001 (20230109)

## 23. Seeding Mixture No. 30

Replace standard spec 630.2.1.5.1.1 Table 630-1 Highway Seed Mixtures with the following:

Conform to the following the species, proportions, purity, and germination:

Species	Purity Minimum %	Germination Minimum %	Mixture Proportion %
Perennial Ryegrass	97	90	10
Hard Fescue	97	85	15
Red Fescue	97	85	25
Salt Grass	98	85	20
Tall Fescue	98	85	30

Replace standard spec 630.3.5 (1) with the following:

(1) Use the following sowing rates for the seeds in pounds per 1000 square feet:

- Seed Mixture 30 Special at 5.0 pounds

SER-630-002 (20221013)

## 24. Seeding.

*Replace standard spec 630.3.5 (1) with the following:*

Use the following sowing rate for seeds in pounds per 1000 square feet:

- No. 10 at 3 pounds
- No. 20 at 5 pounds
- No. 30 at 5 pounds
- No. 40 at 5 pounds
- No. 60 at an equivalent seeding rate of 1.5 pounds[1]
- No. 70 or 70A at 0.4 pounds
- No. 75 at an equivalent seeding rate of 0.7 pounds[1]
- No. 80 at an equivalent seeding rate of 0.8 pounds[1]
- Temporary seeding at 3 pounds
- Nurse crop seeding at 2 pounds

Determine the actual seeding rate by multiplying the equivalent seeding rate by the sum of the unadjusted and adjusted percentages of the various species in the seed mixtures as sown.

SER-630-002 (20221013)

## 25. Silt Fence Heavy Duty, Item 628.1530.S; Silt Fence Heavy Duty Maintenance, Item 628.1535.S.

### A Description

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

### B Materials

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

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

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

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

Furnish Geotextile Fabric Type HR according to standard spec 645.2.2.7.

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

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

### C Construction

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

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

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

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

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

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

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

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

#### **D Measurement**

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

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

#### **E Payment**

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

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

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

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

stp-628-005 (20220628)

### **26. Installing and Maintaining Bird Deterrent System 80+19, Item 999.2000.01; Installing and Maintaining Bird Deterrent System 239+30, Item 999.2000.02; Installing and Maintaining Bird Deterrent System 291+63, Item 999.2000.03.**

#### **A Description**

This special provision describes inspecting, installing and/or maintaining approved deterrents that prevent migratory bird nesting on bridges and culverts. Swallows or other migratory birds' nests have been observed on or under the existing culvert or bridge at the station identified. All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act. One deterrent system shall be installed and/or maintained for each applicable structure. Deterrent methods selected shall be appropriate for structure type, size and/or site-specific constraints.

## **B Materials**

### **B.1 Hardware and Lumber**

Lumber, hardware, and fastening devices shall be durable enough to last through the length of the nesting season. Fastening devices and deterrence system must be approved by the engineer prior to installation on culverts and bridges that will remain in service after removal of deterrent systems. The method of fastening should not compromise the culvert or bridge concrete surfaces or steel protection systems. The attachment locations must be restored and repaired as needed by use of engineer approved fillers, sealers and paint systems.

### **B.2 Netting Materials**

Exclusion netting is material either wrapped around or draped and fastened to bridge decks/abutments and culvert corners to prevent bird entry.

Furnish exclusionary netting to deter nesting in bridge decks and abutments and corners of box culverts, consisting of either:

- a. 1/2" x 1/2" or 3/4" x 3/4" knotless, flame resistant, U.V. stabilized polyethylene or polypropylene netting with minimum 40-pound breaking strength per strand, or engineer approved equal.
- b. Galvanized wire mesh (hardware cloth) with a wire diameter of .040 inches (19-gauge) and opening width of 1/2-inch.

At a minimum, use either 1" x 2" (nominal) lumber or 3/4" x 2" pressure treated plywood strips and of equal length as the netting.

### **B.3 Plastic Strip Curtain**

Plastic strip curtains are strips of plastic attached to vertical surfaces in areas suitable for nesting.

Furnish 3-foot wide lengths of 6 mil minimum plastic sheeting with the lower 2 feet cut into vertical strips 2 inches wide.

At a minimum, use either 1" x 2" (nominal) lumber or 3/4" x 2" pressure treated plywood strips and staples to attach plastic strips to wood to fabricate the strip curtain.

Furnish concrete screws to attach strip curtain to structure.

### **B.4 Corner Slope Materials**

Corner slopes are pieces of curved plastic placed in corners suitable for nesting. They are particularly effective in preventing nesting in top corners of box culverts.

Furnish U.V. stabilized pre-fabricated PVC or polycarbonate corner slopes from commercial bird-deterrent manufacturers or an approved equal.

## **C Construction**

### **C.1 General**

If active nests are observed after construction starts, or if a trapped bird or an active nest is found, stop work that may affect birds or their nests, and notify the engineer to consult with the Wisconsin Department of Natural Resources transportation liaison, Craig Webster, at (262) 574-2141, or the department regional environmental coordinator, Tim McElmeel, at (262) 548-6458.

Efforts should be made to release trapped birds, unharmed.

### **C.2 Nest Removal**

Remove unoccupied nests prior to the beginning of the nesting season as designated in Prosecution and Progress. Nest removal involves the removal and disposal of unoccupied or partially constructed nests without eggs or nestlings. Removing all evidence of nesting (e.g., cleaning droppings from structures) eliminates a visual cue for a potential breeding location, especially for first-time breeders. Nest removal is not a type of deterrent and does not prevent nest establishment but can delay the process. As such, it should only be used in conjunction with other methods. It cannot be used on its own to ensure compliance. Nest removal is not required if deterrents are installed before the start of the avoidance window unless nests interfere with successful installation of the deterrent.

Remove nests on the structure by scraping or pressure washing prior to established avoidance windows to deter nesting. Remove only unoccupied or partially constructed nests without eggs or nestlings. Remove newly built nests every two days before eggs are laid. Nest removal is intended to be used prior to and in conjunction with other nesting deterrents.

### **C.3 Exclusion Netting**

#### **C.3.1 Installation**

Using concrete screws, anchor lumber to bridge or culvert along perimeter of intended netting. Fasten netting to lumber until netting is held taut. Eliminate any loose pockets or wrinkles that could trap and entangle birds. Ensure the net is pulled taut in order to prevent flapping in the wind, which results in tangles or breakage at mounting points.

For culverts, attach netting at a 45-degree angle at the culvert corner so it extends at least 12" below the corner.

### **C.4 Plastic Curtains**

#### **C.4.1 Installation**

Attach plastic curtains along the entire length of vertical surface or corner on which nest building is to be deterred. Affix plastic curtain strips to treated lumber with staples spaced a minimum of 1 foot O.C. Wrap plastic curtains around lumber prior to attaching it to the structure to reduce the likelihood of it tearing out at the staples. Screw lumber into the underside of the bridge deck or top of box culvert with concrete screws placed 24-inches O.C. minimum.

### **C.5 Corner Slopes**

#### **C.5.1 Installation**

Attach corner slopes to the structure per the manufacturer's recommendations. Use urethane-based adhesives if manufacturer supplied hardware or adhesives are not available or no recommendations are provided. Install end caps or seal ends of corner slopes to prevent entry of birds or other animals.

### **C.6 Inspection and Maintenance**

Inspect bird deterrent devices every two weeks both during and prior to construction when deterrents have been installed to exclude birds prior to nesting windows, and after large storm events or high winds. Ensure that netting is taut, that no gaps or holes have formed, and that the nets are functioning properly. Ensure that corner slopes are not cracked or otherwise damaged and are functioning properly. Ensure that curtains are undamaged, with no tears, holes, or creases. Repair any damaged or loose deterrent devices. Inspect, maintain, and repair nesting deterrents whether installed by the contractor or others. Repair, replace, supplement deterrents as necessary with materials meeting the requirements of this specification.

Remove any unoccupied or partially constructed nests without eggs or nestlings.

Repair deterrents to prevent birds from attempting to nest again.

Record all inspection, removal, and maintenance activities. Provide inspection, removal and maintenance records to the engineer upon request.

### **C.7 Removal and Structure Repair**

Maintain the deterrent until the engineer determines that the deterrent is deemed no longer necessary. Upon completion of the project, remove any remaining migratory bird deterrent from the project site. If the existing bridge or culvert is to remain after construction, restore and repair as needed by use of engineer approved fillers, sealers and paint systems.

## **D Measurement**

The department will measure Installing and Maintaining Bird Deterrent System (Station) as a single unit at each structure, acceptably completed.

The department will measure Maintaining Bird Deterrent System (Station) as a single unit at 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
999.2000.S.01	Installing and Maintaining Bird Deterrent System 80+19	EACH
999.2000.S.02	Installing and Maintaining Bird Deterrent System 239+30	EACH
999.2000.S.03	Installing and Maintaining Bird Deterrent System 291+63	EACH

Payment is full compensation for providing and installing deterrents that prevent migratory bird nesting; removing and disposing of unoccupied or partially constructed nests without eggs or nestlings; maintaining, repairing, replacing, supplementing, existing deterrent materials; repairing damage to structures resulting from installation of deterrents; removal and disposal of materials.

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## 27. Fisheries Consultant (2715-03-73), Item SPV.0060.01.

### A Description

This special provision describes providing the hiring of a fisheries consultant as part of the construction contract for this project. The individual leading the fish rescue/transport work will be an experienced fish biologist with an E/T Permit issued by the WDNR for the slender madtom.

DNR approved consultants:

Jason Dare Dare Ecosystem Management, LLC 78C Enterprise Rd Delafield, WI 53018 (262) 391-0159 <a href="mailto:jason_dare@hotmail.com">jason_dare@hotmail.com</a>	Thomas Slawski Southeastern WI Regional Planning Commission W239 N1812 Rockwood Dr Waukesha, WI 53187 (262) 953-3263 <a href="mailto:tslawski@sewrpc.org">tslawski@sewrpc.org</a>	John Lyons University of Wisconsin Zoological Museum 250 N Mills St. Madison, WI 53706 (608) 445-4418 <a href="mailto:jdlyons@wisc.edu">jdlyons@wisc.edu</a>
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### B (Vacant)

### C Construction

Pumping operations will be overseen by the fisheries consultant. The fisheries consultant will regularly check for fish impingement on the screens during dewatering. If any fish are observed being impinged on the screen(s), fish will be immediately removed and relocated downstream by the by the fisheries consultant. And the contractor will add an additional barrier, consisting of a ring of sandbags around the barrel, stacked to a height just below (~1inch) of the water surface would also be added. The sandbags would create a physical barrier between a majority of the water column and the intake (drum), thereby nearly exhausting any possibility for any fish or other aquatic organisms to be impacted.

As the dewatering effort slows, some fish will remain in small pools, shallow areas and other suitable hiding spots, and a search and rescue effort will begin for the stranded fish. All efforts will be made to remove as many fish as possible; this will be accomplished by carefully turning over logs, rocks, debris, etc. as this is where the slender madtom will likely be found.

Captured fish will be placed in coolers containing clear stream water with aeration, transported at least 100 meters downstream of the project area, and released. All captured fish will be released within 30 minutes of being captured. Water temperatures in coolers will match ambient river temperatures to minimize shock to the fish (using ice if necessary).

All fish found onsite will be recorded (species, approximate age, possible cause of death), photographed, and reported to Stacy Rowe ([stacy.rowe@wi.gov](mailto:stacy.rowe@wi.gov)) within 60 days from the completion of the project.

### D Measurement

The department will measure Fisheries Consultant (2715-03-73) as a single unit for the project, acceptably completed.

## E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Fisheries Consultant (2715-03-73)	EACH

Payment is full compensation for oversight of dewatering operations, regular checks of screens during dewatering, relocating impinged fish downstream, oversight of fish rescue/transport work, documentation of all fish found on site.

## 28. Marking Contrast Epoxy 4-Inch, Item SPV.0090.01.

### A Description

This special provision describes applying contrast epoxy marking conforming to standard spec 646, as the plans show, and as follows.

### B Materials

Furnish epoxy pavement marking materials conforming to standard spec 646.2.

### C Construction

Apply two 1 ½-inch wide black epoxy lines with a 4-inch separation between the two black lines for the first pass, followed by a 4-inch wide white epoxy line second pass, for a total width of 7 inches. Apply epoxy pavement marking conforming to standard spec 646.3.

### D Measurement

The department will measure Marking Contrast Epoxy 4-Inch Special by the linear foot, acceptably completed, measured once as the length of the centerline of the completed installation.

### E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.0001	Marking Contrast Epoxy 4-Inch	LF

Payment is full compensation for providing replacement marking.

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## 29. Treated Timber Rub Rail, Item SPV.0090.02.

### A Description

This special provision describes furnishing and installing treated timber rub rail to protect trail users from guardrail bolts and screws.

### B Materials

Furnish treated timber rub rail according to the pertinent requirements of standard spec 614, and in accordance with construction details in the plans.

### C Construction

Place the treated timber rub rail according to the pertinent requirements of standard spec 614, and in accordance with construction details in the plans.

### D Measurement

The department will measure Treated Timber Rub Rail 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.0190.02	Treated Timber Rub Rail	LF

Payment for Treated Timber Rub Rail is full compensation for providing and installing the rail.

## 30. Removing Distressed Pavement Milling, Item SPV.0180.01

### A Description

This special provision describes the removal and disposal of additional 2-inches of asphaltic pavement by milling in areas of distressed pavement. This will be completed in spot locations throughout the project as directed by the engineer.

### B (Vacant)

### C Construction

#### C.1 Milling

Use a milling machine designed and constructed for milling pavements without tearing or gouging the underlying surface. Space the teeth on the drum to mill a surface finish that is acceptable to the engineer.

Shroud the machine to prevent discharge of any loosened material into adjacent work areas or live traffic lanes. Equip the machine with electronic devices that provide accurate depth, grade, and slope control, and an acceptable dust control system.

The milling operation is to be done in a manner to prevent damage to the remaining pavement. It should result in a reasonably uniform plane surface free of excessively large scarification marks, and with the uniform transverse slope required on the plans or directed by the engineer.

Any area with material removed under Removing Distressed Pavement Milling shall not be left open during nonworking hours. Material shall be removed and paved with asphaltic surface in the same day.

The removed material shall become the property of the contractor. Properly dispose of it according to standard spec 204.

#### C.2 Cleaning

Clean the milled surface by removing all dust, dirt, debris, or other foreign or loose material.

#### C.3 Pavement Prep

The cleaned milled surface will have Tack Coat applied and be filled with Asphaltic Surface.

### D Measurement

The department will measure Removing Distressed Pavement Milling by the square yard, 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.0180.01	Removing Distressed Pavement Milling	SY

Payment is full compensation for removing the asphaltic surface; cleaning the milled surface; properly disposing of all materials; and for furnishing all labor, tools, equipment, materials, and incidentals necessary to complete the contract work. Tack Coat and Asphaltic Surface will be paid for separately.

## 31. Enhanced Turbidity Barrier, Item SPV.0180.02.

### A Description

This special provision describes furnishing and installing enhanced turbidity barriers according to standard spec 628, the plans, and as hereinafter provided.



**B Materials**

Provide materials conforming to standard spec 628.2.

**C Construction**

*Delete standard spec 628.3.10(2) and replace with the following:*

Place all barriers before beginning adjacent construction in a way that causes minimum disturbance of the river bottom and banks. Extend the barrier onto the banks far enough to preclude washing out or erosion around the ends. Drive posts securely into the river bottom at 4 to 6-foot intervals along the line of the barrier installation. Fasten the barrier to the posts and securely anchor the barrier load lines at the barrier ends and at 4 to 6-foot intervals between the barrier ends unless the engineer directs otherwise. Provide additional anchoring, if necessary, to maintain the barrier location during construction operations. Install a continuous line of rock or sand bags to anchor the barrier to the river bottom to isolate the work area. The engineer may require additional rock or sand bags to ensure adequate performance. One day prior to removing the enhanced turbidity barrier, remove the rock or sand bags from the base of the barrier.

*Delete standard spec 628.10(5).*

**D Measurement**

The department will measure Enhanced Turbidity Barrier by the square yard of barrier, acceptably completed. The department will make no allowance for portions of the turbidity barrier considered as part of the anchorages, required overlaps or having a bottom flap greater than 48 inches.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.02	Enhanced Turbidity Barrier	SY

Payment is full compensation for furnishing all materials including rock/sand bags, anchors, and anchor ropes; and for assembling, installing, maintaining, and removing the turbidity barrier.

**32. Select Crushed Material for Travel Corridor, Item SPV.0195.01.**

**A Description**

This special provision describes furnishing and placing select crushed material to fill voids to create a wildlife travel corridor.

**B Materials**

Furnish select crushed material according to the pertinent requirements of standard spec 312. Material shall be clean and substantially free from material passing the No. 4 (4.75mm) sieve.

**C Construction**

Place the material after the heavy riprap has been completed. Place material such that voids in the finished surface are 3 inches or less in any dimension.

**D Measurement**

The department will measure Select Crushed Material for Travel Corridor by the ton, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.01	Select Crushed Material for Travel Corridor	TON

Payment is full compensation for providing, placing, and shaping the material.

## **ADDITIONAL SPECIAL PROVISION 4**

This special provision does not limit the right of the department, prime contractor, or subcontractors at any tier to withhold payment for work not acceptably completed or work subject to an unresolved contract dispute.

### **Payment to First-Tier Subcontractors**

Within 10 calendar days of receiving a progress payment for work completed by a subcontractor, pay the subcontractor for that work. The prime contractor may withhold payment to a subcontractor if, within 10 calendar days of receipt of that progress payment, the prime contractor provides written notification to the subcontractor and the department documenting "just cause" for withholding payment.

The prime contractor is not allowed to withhold retainage from payments due subcontractors.

### **Payment to Lower-Tier Subcontractors**

Ensure that subcontracting agreements at all tiers provide prompt payment rights to lower-tier subcontractors that parallel those granted first-tier subcontractors in this provision.

### **Acceptance and Final Payment**

Within 30 calendar days of receiving the semi-final estimate from the department, submit written certification that subcontractors at all tiers are paid in full for acceptably completed work.

**Additional Special Provision 6**  
**ASP 6 - Modifications to the standard specifications**

*Make the following revisions to the standard specifications:*

**416.2.4 Concrete Pavement Repair and Replacement**

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

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

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

**416.2.5.1 Composition and Proportioning of Concrete**

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

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

**455.2.4.3 Emulsified Asphalts**

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

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

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

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

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

**455.2.5 Tack Coat**

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

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

**710.5.7 Corrective Action**

**710.5.7.1 Optimized Aggregate Gradations**

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

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

**715.5 Payment**

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

**715.5.1 General**

- (1) The department will pay incentive for concrete strength under the following bid items:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
715.0502	Incentive Strength Concrete Structures	DOL
715.0603	Incentive Strength Concrete Barrier	DOL
715.0715	Incentive Flexural Strength Concrete Pavement	DOL
715.0720	Incentive Compressive Strength Concrete Pavement	DOL

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

**715.5.2 Pavements**

**715.5.2.1 Compressive**

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

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

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

**715.5.2.2 Flexural**

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

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

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

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

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

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

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

## ADDITIONAL SPECIAL PROVISION 7

### A. Reporting 1<sup>st</sup> Tier and DBE Payments During Construction

1. Comply with reporting requirements specified in the department's Civil Rights Compliance, Contractor's User Manual, Sublets and Payments.
2. Report payments to all DBE firms within 10 calendar days of receipt of a progress payment by the department or a contractor for work performed, materials furnished, or materials stockpiled by a DBE firm. Report the payment as specified in A(1) for all work satisfactorily performed and for all materials furnished or stockpiled.
3. Report payments to all first tier subcontractor relationships within 10 calendar days of receipt of a progress payment by the department for work performed. Report the payment as specified in A(1) for all work satisfactorily performed.
4. All tiers shall report payments as necessary to comply with the DBE payment requirement as specified in A(2).
5. DBE firms must enter all payments to DBE and non-DBE firms regardless of tier.
6. Require all first tier relationships, DBE firms and all other tier relationships necessary to comply with the DBE payment requirement in receipt of a progress payment by contractor to acknowledge receipt of payment as specified in A(1), (2), (3) and (4).
7. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4), (5), and (6), and shall be binding on all first tier subcontractor relationships, all contractors and subcontractors utilizing DBE firms on the project, and all payments from DBE firms.

### B. Costs for conforming to this special provision are incidental to the contract.

NOTE: CRCS Prime Contractor payment is currently not automated and will need to be manually loaded into the Civil Rights Compliance System. Copies of prime contractor payments received (check or ACH) will have to be forwarded to [paul.ndon@dot.wi.gov](mailto:paul.ndon@dot.wi.gov) within 5 days of payment receipt to be logged manually.

\*\*\*Additionally, for information on Subcontractor Sublet assignments, Subcontractor Payments and Payment Tracking, please refer to the CRCS Payment and Sublets manual at:

<https://wisconsindot.gov/Documents/doing-bus/civil-rights/labornwage/crcs-payments-sublets-manual.pdf>

## **ADDITIONAL SPECIAL PROVISION 9**

### **Electronic Certified Payroll or Labor Data Submittal**

- (1) Use the department's Civil Rights Compliance System (CRCS) to electronically submit certified payroll reports for contracts with federal funds and labor data for contracts with state funds only. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at:  
<https://wisconsindot.gov/Pages/doing-bus/civil-rights/labornwage/default.aspx>
- (2) Ensure that all tiers of subcontractors, including all trucking firms, either submit their weekly certified payroll reports (contracts with federal funds) or labor data (contracts with state funds only) electronically through CRCS. These payrolls or labor data are due within seven calendar days following the close of the payroll period. Every firm providing physical labor towards completing the project is a subcontractor under this special provision.
- (3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin their submittals. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Paul Ndon at (414) 438-4584 to schedule the training.
- (4) The department will reject all paper submittals for information required under this special provision. All costs for conforming to this special provision are incidental to the contract.
- (5) Firms wishing to export payroll/labor data from their computer system into CRCS should have their payroll coordinator contact Paul Ndon at [paul.ndon@dot.wi.gov](mailto:paul.ndon@dot.wi.gov). Not every contractor's payroll system is capable of producing export files. For details, see Section 4.8 CPR Auto Submit (Data Mapping) on pages 49-50; 66-71 of the CRCS Payroll Manual at:  
<https://wisconsindot.gov/Documents/doing-bus/civil-rights/labornwage/crcs-payroll-manual.pdf>

## NON-DISCRIMINATION PROVISIONS

**During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:**

**1. Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

**2. Non-discrimination:** The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

**3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

**4. Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

**5. Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the contractor under the contract until the contractor complies; and/or
- b. Cancelling, terminating, or suspending a contract, in whole or in part.

**6. Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.



**During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:**

**Pertinent Non-Discrimination Authorities:**

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

## BUY AMERICA PROVISION

Buy America (as documented in M-22-11 from the Office of Management and Budget: <https://www.whitehouse.gov/wp-content/uploads/2022/04/M-22-11.pdf>) shall be domestic products and permanently incorporated in this project as classified in the following three categories, and as noted in the Construction and Materials Manual (CMM):

### 1. Iron and Steel

All iron and steel manufacturing and coating processes (from smelting forward in the manufacturing process) must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America.

The exemption of the iron and steel manufacturing and coating processes Buy America requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project.

### 2. Manufactured Product

All manufactured products (as defined in CMM 228.5) are covered under a previous waiver from 1983, and are currently exempt from Buy America.

### 3. Construction Material

All construction materials (as defined in OMB M-22-11 and as referenced in CMM 228.5) must comply with Buy America. No exemptions (0.0%) are allowed.

The contractor shall take actions and provide documentation conforming to CMM 228.5 to ensure compliance with this Buy America provision.

<https://wisconsindot.gov/rdwy/cmm/cm-02-28.pdf>

Upon completion of the project, certify to the engineer, in writing using department form DT4567 that all iron and steel, manufactured products, and construction materials conform to this Buy America provision.

Form DT4567 is available at: <https://wisconsindot.gov/Documents/formdocs/dt4567.docx>

Attach a list of iron or steel exemptions and their associated costs to the certification form.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	108.4400 CPM Progress Schedule	1.000 EACH	_____.	_____.
0004	201.0105 Clearing	13.000 STA	_____.	_____.
0006	201.0205 Grubbing	13.000 STA	_____.	_____.
0008	203.0211.S Abatement of Asbestos Containing Material (structure) 01. B-67-0152	1.000 EACH	_____.	_____.
0010	203.0260 Removing Structure Over Waterway Minimal Debris (structure) 01. B-67-0152	1.000 EACH	_____.	_____.
0012	203.0270 Removing Structure Over Waterway Debris Capture (structure) 01. B-67-0025	1.000 EACH	_____.	_____.
0014	203.0270 Removing Structure Over Waterway Debris Capture (structure) 02. B-67-0026	1.000 EACH	_____.	_____.
0016	203.0270 Removing Structure Over Waterway Debris Capture (structure) 03. B-67-0027	1.000 EACH	_____.	_____.
0018	204.0100 Removing Concrete Pavement	8,230.000 SY	_____.	_____.
0020	204.0115 Removing Asphaltic Surface Butt Joints	231.000 SY	_____.	_____.
0022	204.0120 Removing Asphaltic Surface Milling	75,780.000 SY	_____.	_____.
0024	204.0150 Removing Curb & Gutter	931.000 LF	_____.	_____.
0026	204.0155 Removing Concrete Sidewalk	102.000 SY	_____.	_____.
0028	204.0165 Removing Guardrail	2,700.000 LF	_____.	_____.
0030	204.0215 Removing Catch Basins	1.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	204.0245 Removing Storm Sewer (size) 01. 12-Inch	7.000 LF	_____.	_____.
0034	205.0100 Excavation Common	2,790.000 CY	_____.	_____.
0036	206.1001 Excavation for Structures Bridges (structure) 01. B-67-0377	1.000 EACH	_____.	_____.
0038	206.1001 Excavation for Structures Bridges (structure) 02. B-67-0378	1.000 EACH	_____.	_____.
0040	206.1001 Excavation for Structures Bridges (structure) 03. B-67-0379	1.000 EACH	_____.	_____.
0042	206.1001 Excavation for Structures Bridges (structure) 04. B-67-0152	1.000 EACH	_____.	_____.
0044	208.0100 Borrow	762.000 CY	_____.	_____.
0046	210.1500 Backfill Structure Type A	998.000 TON	_____.	_____.
0048	213.0100 Finishing Roadway (project) 01. 2715-03-73	1.000 EACH	_____.	_____.
0050	305.0110 Base Aggregate Dense 3/4-Inch	2,177.000 TON	_____.	_____.
0052	305.0120 Base Aggregate Dense 1 1/4-Inch	11,490.000 TON	_____.	_____.
0054	312.0110 Select Crushed Material	28.000 TON	_____.	_____.
0056	415.0080 Concrete Pavement 8-Inch	1,350.000 SY	_____.	_____.
0058	415.0410 Concrete Pavement Approach Slab	361.000 SY	_____.	_____.
0060	416.1010 Concrete Surface Drains	4.000 CY	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0062	455.0605 Tack Coat	7,481.000 GAL	_____	_____
0064	460.2000 Incentive Density HMA Pavement	7,450.000 DOL	1.00000	7,450.00
0066	460.5223 HMA Pavement 3 LT 58-28 S	1,925.000 TON	_____	_____
0068	460.5224 HMA Pavement 4 LT 58-28 S	9,723.000 TON	_____	_____
0070	465.0105 Asphaltic Surface	18.000 TON	_____	_____
0072	465.0120 Asphaltic Surface Driveways and Field Entrances	58.000 TON	_____	_____
0074	465.0315 Asphaltic Flumes	18.000 SY	_____	_____
0076	465.0475 Asphalt Centerline Rumble Strips 2-Lane Rural	8,890.000 LF	_____	_____
0078	502.0100 Concrete Masonry Bridges	1,802.000 CY	_____	_____
0080	502.3200 Protective Surface Treatment	2,481.000 SY	_____	_____
0082	502.3210 Pigmented Surface Sealer	637.000 SY	_____	_____
0084	502.4205 Adhesive Anchors No. 5 Bar	223.000 EACH	_____	_____
0086	502.4206 Adhesive Anchors No. 6 Bar	344.000 EACH	_____	_____
0088	503.0136 Prestressed Girder Type I 36-Inch	63.000 LF	_____	_____
0090	505.0400 Bar Steel Reinforcement HS Structures	23,420.000 LB	_____	_____
0092	505.0600 Bar Steel Reinforcement HS Coated Structures	297,370.000 LB	_____	_____



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0094	505.0800.S Bar Steel Reinforcement HS Stainless Structures	1,390.000 LB	_____.	_____.
0096	506.2605 Bearing Pads Elastomeric Non-Laminated	1.000 EACH	_____.	_____.
0098	506.4000 Steel Diaphragms (structure) 01. B-67-0152	18.000 EACH	_____.	_____.
0100	509.1500 Concrete Surface Repair	20.000 SF	_____.	_____.
0102	509.9020.S Epoxy Crack Sealing	30.000 LF	_____.	_____.
0104	511.1200 Temporary Shoring (structure) 01. B-67-0152	600.000 SF	_____.	_____.
0106	512.1000 Piling Steel Sheet Temporary	12,850.000 SF	_____.	_____.
0108	516.0500 Rubberized Membrane Waterproofing	95.000 SY	_____.	_____.
0110	520.8000 Concrete Collars for Pipe	2.000 EACH	_____.	_____.
0112	520.8700 Cleaning Culvert Pipes	1.000 EACH	_____.	_____.
0114	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch	2.000 EACH	_____.	_____.
0116	522.0418 Culvert Pipe Reinforced Concrete Class IV 18-Inch	84.000 LF	_____.	_____.
0118	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	1.000 EACH	_____.	_____.
0120	530.0112 Culvert Pipe Corrugated Polyethylene 12-Inch	30.000 LF	_____.	_____.
0122	550.1100 Piling Steel HP 10-Inch X 42 Lb	2,160.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0124	550.2106 Piling CIP Concrete 10 3/4 X 0.365-Inch	5,835.000 LF	_____.	_____.
0126	601.0409 Concrete Curb & Gutter 30-Inch Type A	457.000 LF	_____.	_____.
0128	601.0415 Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	935.000 LF	_____.	_____.
0130	601.0588 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	215.000 LF	_____.	_____.
0132	602.0410 Concrete Sidewalk 5-Inch	279.000 SF	_____.	_____.
0134	603.8000 Concrete Barrier Temporary Precast Delivered	920.000 LF	_____.	_____.
0136	603.8125 Concrete Barrier Temporary Precast Installed	2,760.000 LF	_____.	_____.
0138	606.0200 Riprap Medium	19.000 CY	_____.	_____.
0140	606.0300 Riprap Heavy	494.000 CY	_____.	_____.
0142	611.0639 Inlet Covers Type H-S	1.000 EACH	_____.	_____.
0144	611.0654 Inlet Covers Type V	2.000 EACH	_____.	_____.
0146	611.1230 Catch Basins 2x3-FT	1.000 EACH	_____.	_____.
0148	611.3220 Inlets 2x2-FT	2.000 EACH	_____.	_____.
0150	611.8105 Adjusting Catch Basin Covers	3.000 EACH	_____.	_____.
0152	612.0406 Pipe Underdrain Wrapped 6-Inch	610.000 LF	_____.	_____.



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0154	614.0150 Anchor Assemblies for Steel Plate Beam Guard	16.000 EACH	_____.	_____.
0156	614.0395 Guardrail Mow Strip Concrete	71.000 SY	_____.	_____.
0158	614.0397 Guardrail Mow Strip Emulsified Asphalt	983.000 SY	_____.	_____.
0160	614.2300 MGS Guardrail 3	800.000 LF	_____.	_____.
0162	614.2330 MGS Guardrail 3 K	162.500 LF	_____.	_____.
0164	614.2500 MGS Thrie Beam Transition	553.000 LF	_____.	_____.
0166	614.2610 MGS Guardrail Terminal EAT	14.000 EACH	_____.	_____.
0168	616.0206 Fence Chain Link 6-FT	219.000 LF	_____.	_____.
0170	618.0100 Maintenance And Repair of Haul Roads (project) 01. 2715-03-73	1.000 EACH	_____.	_____.
0172	619.1000 Mobilization	1.000 EACH	_____.	_____.
0174	624.0100 Water	104.000 MGAL	_____.	_____.
0176	625.0100 Topsoil	4,775.000 SY	_____.	_____.
0178	627.0200 Mulching	4,752.000 SY	_____.	_____.
0180	628.1504 Silt Fence	2,092.000 LF	_____.	_____.
0182	628.1520 Silt Fence Maintenance	2,092.000 LF	_____.	_____.
0184	628.1530.S Silt Fence Heavy Duty	2,369.000 LF	_____.	_____.





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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0186	628.1535.S Silt Fence Heavy Duty Maintenance	2,369.000 LF	_____.	_____.
0188	628.1905 Mobilizations Erosion Control	23.000 EACH	_____.	_____.
0190	628.1910 Mobilizations Emergency Erosion Control	14.000 EACH	_____.	_____.
0192	628.2008 Erosion Mat Urban Class I Type B	4,328.000 SY	_____.	_____.
0194	628.6505 Soil Stabilizer Type A	1.300 ACRE	_____.	_____.
0196	628.7015 Inlet Protection Type C	5.000 EACH	_____.	_____.
0198	628.7020 Inlet Protection Type D	7.000 EACH	_____.	_____.
0200	628.7504 Temporary Ditch Checks	300.000 LF	_____.	_____.
0202	628.7555 Culvert Pipe Checks	10.000 EACH	_____.	_____.
0204	628.7560 Tracking Pads	9.000 EACH	_____.	_____.
0206	629.0210 Fertilizer Type B	5.000 CWT	_____.	_____.
0208	630.0130 Seeding Mixture No. 30	217.000 LB	_____.	_____.
0210	630.0200 Seeding Temporary	132.000 LB	_____.	_____.
0212	630.0500 Seed Water	19.000 MGAL	_____.	_____.
0214	631.0300 Sod Water	3.000 MGAL	_____.	_____.
0216	631.1100 Sod Erosion Control	25.000 SY	_____.	_____.
0218	633.5200 Markers Culvert End	1.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0220	634.0618 Posts Wood 4x6-Inch X 18-FT	42.000 EACH	_____.	_____.
0222	637.2210 Signs Type II Reflective H	82.500 SF	_____.	_____.
0224	637.2230 Signs Type II Reflective F	79.000 SF	_____.	_____.
0226	638.2102 Moving Signs Type II	16.000 EACH	_____.	_____.
0228	638.2602 Removing Signs Type II	21.000 EACH	_____.	_____.
0230	638.3000 Removing Small Sign Supports	36.000 EACH	_____.	_____.
0232	642.5201 Field Office Type C	1.000 EACH	_____.	_____.
0234	643.0300 Traffic Control Drums	39,050.000 DAY	_____.	_____.
0236	643.0420 Traffic Control Barricades Type III	11,630.000 DAY	_____.	_____.
0238	643.0705 Traffic Control Warning Lights Type A	23,250.000 DAY	_____.	_____.
0240	643.0715 Traffic Control Warning Lights Type C	11,690.000 DAY	_____.	_____.
0242	643.0800 Traffic Control Arrow Boards	200.000 DAY	_____.	_____.
0244	643.0900 Traffic Control Signs	66,800.000 DAY	_____.	_____.
0246	643.0910 Traffic Control Covering Signs Type I	5.000 EACH	_____.	_____.
0248	643.0920 Traffic Control Covering Signs Type II	42.000 EACH	_____.	_____.
0250	643.1050 Traffic Control Signs PCMS	70.000 DAY	_____.	_____.
0252	643.3120 Temporary Marking Line Epoxy 4-Inch	1,975.000 LF	_____.	_____.



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0254	643.3150 Temporary Marking Line Removable Tape 4-Inch	32,070.000 LF	_____	_____
0256	643.5000 Traffic Control	1.000 EACH	_____	_____
0258	645.0111 Geotextile Type DF Schedule A	302.000 SY	_____	_____
0260	645.0120 Geotextile Type HR	886.000 SY	_____	_____
0262	646.1020 Marking Line Epoxy 4-Inch	47,205.000 LF	_____	_____
0264	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	44,102.000 LF	_____	_____
0266	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	874.000 LF	_____	_____
0268	646.5020 Marking Arrow Epoxy	6.000 EACH	_____	_____
0270	646.5120 Marking Word Epoxy	2.000 EACH	_____	_____
0272	646.6120 Marking Stop Line Epoxy 18-Inch	206.000 LF	_____	_____
0274	646.7120 Marking Diagonal Epoxy 12-Inch	142.000 LF	_____	_____
0276	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	144.000 LF	_____	_____
0278	648.0100 Locating No-Passing Zones	4.300 MI	_____	_____
0280	650.4000 Construction Staking Storm Sewer	3.000 EACH	_____	_____
0282	650.4500 Construction Staking Subgrade	2,158.000 LF	_____	_____
0284	650.5000 Construction Staking Base	1,585.000 LF	_____	_____



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0286	650.5500 Construction Staking Curb Gutter and Curb & Gutter	1,150.000 LF	_____.	_____.
0288	650.6501 Construction Staking Structure Layout (structure) 01. B-67-0152	1.000 EACH	_____.	_____.
0290	650.6501 Construction Staking Structure Layout (structure) 02. B-67-0377	1.000 EACH	_____.	_____.
0292	650.6501 Construction Staking Structure Layout (structure) 03. B-67-0378	1.000 EACH	_____.	_____.
0294	650.6501 Construction Staking Structure Layout (structure) 04. B-67-0379	1.000 EACH	_____.	_____.
0296	650.7000 Construction Staking Concrete Pavement	686.000 LF	_____.	_____.
0298	650.8000 Construction Staking Resurfacing Reference	20,757.000 LF	_____.	_____.
0300	650.9500 Construction Staking Sidewalk (project) 01. 2715-03-73	1.000 EACH	_____.	_____.
0302	650.9911 Construction Staking Supplemental Control (project) 01. 2715-03-73	1.000 EACH	_____.	_____.
0304	650.9920 Construction Staking Slope Stakes	2,454.000 LF	_____.	_____.
0306	690.0150 Sawing Asphalt	304.000 LF	_____.	_____.
0308	690.0250 Sawing Concrete	880.000 LF	_____.	_____.
0310	715.0502 Incentive Strength Concrete Structures	10,782.000 DOL	1.00000	10,782.00
0312	715.0720 Incentive Compressive Strength Concrete Pavement	540.000 DOL	1.00000	540.00



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0314	740.0440 Incentive IRI Ride	16,670.000 DOL	1.00000	16,670.00
0316	999.2000.S Installing and Maintaining Bird Deterrent System (station) 01. 80+19	1.000 EACH	_____.	_____.
0318	999.2000.S Installing and Maintaining Bird Deterrent System (station) 02. 239+30	1.000 EACH	_____.	_____.
0320	999.2000.S Installing and Maintaining Bird Deterrent System (station) 03. 291+63	1.000 EACH	_____.	_____.
0322	SPV.0060 Special 01. Fisheries Consultant (2715-03-73)	1.000 EACH	_____.	_____.
0324	SPV.0090 Special 01. Marking Contrast Epoxy 4-Inch	594.000 LF	_____.	_____.
0326	SPV.0090 Special 02. Treated Timber Rub Rail	154.000 LF	_____.	_____.
0328	SPV.0165 Special 01. Fiber Wrap Reinforced Non-Structural	55.000 SF	_____.	_____.
0330	SPV.0180 Special 01. Removing Distressed Pavement Milling	11,380.000 SY	_____.	_____.
0332	SPV.0180 Special 02. Enhanced Turbidity Barrier	326.000 SY	_____.	_____.
0334	SPV.0195 Special 01. Select Crushed Material for Travel Corridor	89.000 TON	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

**PLEASE ATTACH ADDENDA HERE**



## Wisconsin Department of Transportation

---

April 19, 2023

**Division of Transportation Systems  
Development**

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> Floor South  
Madison, WI 53705

Telephone: (608) 266-1631  
Facsimile (FAX): (608) 266-8459

### **NOTICE TO ALL CONTRACTORS:**

#### **Letting Time Addendum #01**

#### **Letting of May 9, 2023**

The Bid Submittal Time on the Highway Work Proposal for all proposals in the May 9, 2023 letting inadvertently show a time of 9:00 am. This addendum changes the time to 11:00 am.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractors.

Sincerely,

*Mike Coleman*

Proposal Development Specialist  
Proposal Management Section







## Wisconsin Department of Transportation

---

April 12, 2023

**Division of Transportation Systems  
Development**

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> Floor South  
Madison, WI 53705

Telephone: (608) 266-1631  
Facsimile (FAX): (608) 266-8459

### NOTICE TO ALL CONTRACTORS:

**Proposal #30: 2715-03-73**  
**Various Bridge Locations**  
**STH 59 & USH 18**  
**VAR HWY**  
**Waukesha County**

### Letting of May 9, 2023

This is Addendum No. 01, which provides for the following:

#### Special Provisions:

Added Special Provisions	
Article No.	Description
33	Fiber Wrap Reinforcing Non-Structural, Item SPV.0165.01

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

*Mike Coleman*

Proposal Development Specialist  
Proposal Management Section

**ADDENDUM NO. 01**

**2715-03-73**

**April 12, 2023**

**Special Provisions**

**33. Fiber Wrap Reinforcing Non-Structural, Item SPV.0165.01.**

**A Description**

This special provision describes providing non-structural protection using externally bonded, high-strength, fiber reinforced polymer (FRP) composite/epoxy resin systems field-applied per the details shown on the plans.

**B Materials**

Furnish a glass or carbon composite fabric that is a continuous unidirectional filament woven fabric with a primary fiber of electrical (E) glass or carbon, respectively.

Use a two-component, solvent-free with 0% Volatile Organic Compound (VOC) epoxy that is supplied by the manufacturer. Polyester resin shall not be allowed as a substitute for epoxy resin. Deliver epoxy materials in factory sealed containers with the manufacturer's labels intact and legible with verification of the date of manufacture and shelf life.

The protective top coating shall be concrete gray in color and match the color of the adjacent unwrapped concrete. Protective top coating shall be vapor permeable and UV resistant.

The use of more than one FRP system in an application is not permitted. All components, including primer, putty, filler, protective coating, and other materials, shall be compatible with the FRP system.

Store products in a protected area at a temperature between 40°F and 100°F with no moisture contact, no UV exposure, protected from dirt, chemicals, and physical damage, and according to the manufacturer's requirements. Do not use components exceeding their shelf lives.

Provide the following to the engineer:

- The manufacturer's data sheet indicating physical, mechanical and chemical characteristics of all materials used in the FRP system including the primer, putty, resin, saturant, fibers, and top coating.
- The manufacturer's Material Safety Data Sheets (MSDS) for all materials used.
- The manufacturer's instructions for installation and repair, including information on lap details if required.
- The manufacturer's storage and handling requirements of all materials.

Supplied composite fabric and epoxy resin products must have a minimum of ten installations. Furnish proof of successful installations including date of construction and owner references. Furnish certified test reports including 1000 hour tests for 140°F, water, and salt water.

**C Construction**

**C.1 Certified Applicators**

Installers shall have a minimum of three years of experience performing similar FRP composite strengthening and be trained and certified by the manufacturer of the supplied FRP composite/epoxy resin system being used. Submit a list of completed surface bonded FRP composite strengthening projects completed with the manufacturer's FRP composite system in the past three years. The list shall include a minimum of 10 projects with the proposed FRP system, the dates when work was performed, general description of work, quantity of work and owner references. Provide written verification from the FRP composite manufacturer that the applicator has received the required training and is a certified installer by the FRP manufacturer.

## **C.2 Surface Preparation**

Remove spalled and loose concrete.

Grind uneven surfaces or protrusions until smooth. Any corners or edges shall be rounded over to a minimum radius of 1/2-inch. This requirement also applies to beveled edges which must be ground smooth to eliminate sharp spots.

Per standard spec 509, treat any areas of active corrosion of the reinforcement and patch the concrete surface so as to restore it to its original dimensions. When patching the concrete substrate, remove defective concrete down to sound concrete; the extents of the area to be removed and patched shall be 1/2-inch beyond the boundary of the distress on all sides. If there is a loss of bond between the reinforcing steel and the concrete, remove the surrounding concrete to a depth equal to the greater of 3/4-inch or the maximum aggregate size plus 1/4-inch. If surface repair is performed, allow patches to cure a minimum of 10 days before FRP application or until the surface moisture is less than 4%. This work to be paid for under separate bid items per the plans.

Epoxy inject cracks in the concrete larger than 0.25 mm in width at least 24 hours prior to FRP installation. Seal cracks smaller than 0.25 mm in width in aggressive environments at the direction of the engineer. This work to be paid for under a separate bid item per the plans.

Preserve and utilize the required existing reinforcing steel, and blast clean, realign, and retie as the engineer directs. If additional reinforcement is required, use grade 60 steel conforming to AASHTO M31 and standard spec 505.2. Repair damage to existing, epoxy-coated reinforcement conforming to 509.3.1.

The concrete surface shall be clean, and free of any material that could interfere with bonding, such as dirt, grease, wax, etc. The surface must also be free of moisture with a maximum moisture content of 4%. Immediately prior to bonding, all contact surfaces shall receive a final cleaning by hand or oil-free compressed air to remove any residual dust, powder residue or laitance.

## **C.3 Installation**

A minimum of two layers are required.

Place FRP only under the following conditions or per manufacturer's recommendation:

- Ambient temperature and the temperature of the epoxy resin components shall be between 55°F and 90°F during the entire application process.
- Relative humidity less than 85%.
- Surface temperature more than 5°F above the dew point.
- Moisture level of all contact surfaces, included patched areas, less than 4% unless the resin has been specifically formulated for wet applications.

Unless directed otherwise by the engineer, install the FRP after all dead loads have been applied to the bridge. Do not install FRP while the component being repaired is subjected to live loads.

Apply, per manufacturer's instructions, a system-compatible putty as required to fill uneven surfaces or recesses. Depending on the manufacturer, this putty may be applied before or after the primer.

Apply the primer coat uniformly to the substrate using a roller or trowel. Primed and puttied surface shall be protected from all contaminants (i.e., dust, moisture, etc.) prior to the application of the fiber wrap.

Mix the components of the epoxy resin with a mechanical mixer and apply the epoxy resin uniformly to the fiber at a rate that ensures complete saturation of the fabric. Apply saturating resin uniformly to the prepared substrate. Begin resin application within one hour after the batch has been mixed. Use all resin within the pot life as specified by the manufacturer.

Apply the fabric per manufacturer's recommendation. Handle fiber wraps in a manner to maintain fiber straightness and prevent fiber damage. Any kinks, folds, or severe waviness will not be accepted. Use rollers

or hand pressure to remove any air trapped between the fabric and the concrete, or between fabric plies. Rolling must be parallel to the direction of the fibers to avoid fiber misalignment or damage. Do not use metal serrated rollers because they can damage the FRP fabric.

Stagger the joints between layers so that a continuous sheet in one layer will span the joints of the sheets in the layer below. If multiple layers cannot all be placed in one day, defer to the manufacturer to determine the extent of the cure and surface preparation required for the previously placed layers required before proceeding. If required, laps shall be per manufacturer's instructions, with a minimum edge lap of 6 inches and a minimum end lap of 12 inches. Laps should be staggered between layers.

Cover the final layer of fabric with a coat of epoxy that produces a uniform finished surface per manufacturer's instructions.

Cure per manufacturer's instructions. The FRP system shall be protected from weather, large temperature variations, moisture, sand, dust, and other foreign particles during curing. Do not allow the system to be subjected to live loads until it is completely cured. Defer to manufacturer's instructions regarding the degree of cure which must be achieved before additional dead loads can be applied to the wrapped member.

An additional protective coating is required to protect the fibers from the elements, specifically UV radiation, and to give the final aesthetic effect. Install protective coating per manufacturer's instructions after the field inspection described in section C.4.2 has been conducted. To prepare the FRP surface to receive the coating, clean and roughen the exterior surfaces of the composite wrap using a light abrasive after the final epoxy coat is completely polymerized. The abrasive shall be of the appropriate hardness to roughen the surface without damaging the fibers. Remove all dust, dirt, and other bond inhibiting materials and dry all cleaned and roughened surfaces.

## **C.4 Testing and Acceptance**

### **C.4.1 Records and Sampling**

The contractor shall record the following information for each installation:

- Date, time, and specific location of installation.
- Surface preparation methods.
- Widths and lengths of cracks not injected with epoxy.
- Material information including product used, fiber and resin lot/batch numbers, mixture ratios, mixing times, etc.
- Ambient temperature, relative humidity, and general weather observations at the beginning and end of each installation.
- Concrete surface temperature, concrete moisture content, and surface cleanliness.
- Number of FRP layers used and fiber orientation of each layer.
- Square footage of fabric and volume of epoxy used each day.

### **C.4.2 Field Testing**

In the presence of the engineer, the contractor will conduct a visual and acoustic sounding inspection to test for defects such as voids, delaminations, external cracks, chips, cuts, loose fibers, external abrasions, blemishes, foreign inclusions, depressible raised areas, or fabric wrinkles. Conduct this inspection after the FRP is cured but before the protective coating is applied.

In the presence of the engineer, the contractor will conduct a visual inspection of the protective coating for damage including but not limited to cracking, crazing, blisters, peeling, or external abrasions. Conduct this inspection after placement and cure of the protective coating.

If any defects are found, they must be repaired as detailed in C.4.3, or removed and replaced.

**C.4.3 Required Remediation**

Inject or back fill any small voids or bubbles (1-1/2" diameter or less) with epoxy. If five or more such voids are found in an area smaller than 10 square feet, submit a proposed remediation procedure subject to the acceptance of the engineer.

Voids or delaminated areas greater than 3" in diameter or an equivalent rectangular area shall be reported to the engineer. Proposed remediation procedure(s) for addressing these areas are subject to the acceptance of the engineer.

**D Measurement**

The department will measure Fiber Wrap Reinforcing Non-Structural by the square foot acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.01	Fiber Wrap Reinforcing Non-Structural	SF

Payment for Fiber Wrap Reinforcing Non-Structural is full compensation for preparing required submittals, cleaning the surfaces of elements to be confined, furnishing, transporting, handling, and installing the fabric, finish coat of epoxy, the final protective coating system, field testing, and required remediation. No extra measurement or payment will be made for overlap areas.

Repairing damage to existing reinforcement is incidental to this item.  
SPV.0165.01 (20200501)

END OF ADDENDUM





# Wisconsin Department of Transportation

April 25, 2023

**Division of Transportation Systems Development**  
 Bureau of Project Development  
 4822 Madison Yards Way, 4<sup>th</sup> Floor South  
 Madison, WI 53705

Telephone: (608) 266-1631  
 Facsimile (FAX): (608) 266-8459

## NOTICE TO ALL CONTRACTORS:

**Proposal #30: 2715-03-73**  
**Various Bridge Locations**  
**STH 59 & USH 18**  
**VAR HWY**  
**Waukesha County**

## Letting of May 9, 2023

This is Addendum No. 02, which provides for the following:

### Special Provisions:

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress.

Added Special Provisions	
Article No.	Description
34	Information to Bidders, WPDES Transportation Construction General Permit (TCGP) for Storm Water Discharges

Deleted Special Provisions	
Article No.	Description
8	Information to Bidders, WPDES General Construction Storm Water Discharge Permit

### Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
455.0605	Tack Coat	Gal	7,481	891	8,372
460.5224	HMA Pavement 4 LT 58-28 S	Ton	9,723	160	9,883
465.0105	Asphaltic Surface	Ton	18	1,349	1,367

<b>Added Bid Item Quantities</b>					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Quantity Added	Proposal Total After Addendum
603.8505	Anchoring Concrete Barrier Temporary Precast on Bridge Decks	LF	0	250	250

**Plan Sheets:**

<b>Revised Plan Sheets</b>	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
73	Revisions to the Asphalt Paving Miscellaneous Quantity table.
74	Addition of bid item to Traffic Control Miscellaneous Quantity table.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

*Mike Coleman*

Proposal Development Specialist  
Proposal Management Section



**ADDENDUM NO. 02**

**2715-03-73**

**April 25, 2023**

**Special Provisions**

**3. Prosecution and Progress.**

*Replace the last three interim completion and liquidated damages with the following:*

**Interim Completion and Liquidated Damages – Structure B-67-377: 90 Calendar Days**

At the beginning of Structure B-67-377 construction, close USH 18 to through traffic for a maximum of 90 calendar days. Do not reopen until completing the following work: all work from Station 203+86 to Station 210+17.

If the contractor fails to complete the work necessary to reopen USH 18 to traffic within 90 calendar days, the department will assess the contractor \$6,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 90 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

**Interim Completion and Liquidated Damages – Structures B-67-378: 90 Calendar Days**

At the beginning of Structure B-67-378 construction, close USH 18 to through traffic for a maximum of 90 calendar days. Do not reopen until completing the following work: all work from Station 236+55 to Station 242+53.

If the contractor fails to complete the work necessary to reopen USH 18 to traffic within 90 calendar days, the department will assess the contractor \$4,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 90 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

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

**Interim Completion and Liquidated Damages – Structures B-67-379: 90 Calendar Days**

At the beginning of Structure B-67-379 construction, close USH 18 to through traffic for a maximum of 90 calendar days. Do not reopen until completing the following work: all work from Station 288+71 to Station 295+00.

If the contractor fails to complete the work necessary to reopen USH 18 to traffic within 90 calendar days, the department will assess the contractor \$4,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 90 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

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

**8. DELETED.**

**34. Information to Bidders, WPDES Transportation Construction General Permit (TCGP) for Storm Water Discharges.**

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

This permit is the Wisconsin Pollutant Discharge Elimination System, Transportation Construction General Permit, (WPDES Permit No. WI-S066796-2). The permit can be found at:  
<https://widnr.widen.net/s/s5mwp2gd7s/finalsignedwisdotcsgp>

A certificate of permit coverage is available from the regional office by contacting Craig Webster at (262) 574-2141. Post the permit certificate in a conspicuous place at the construction site.

**Schedule of Items**

Attached, dated April 25, 2023, are the revised Schedule of Items Pages 1 - 12.

**Plan Sheets**

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:  
Revised: 73 and 74

END OF ADDENDUM



STORM SEWER

CATEGORY	STAGE	ROADWAY	NUMBER	STATION	O/S	COVER	PIPE TIES	CONCRETE COLLAR	CLEANING ENDWALLS FOR APRON	521.1012	522.0418	522.1018	530.0112	611.0639	611.0654	611.1230	611.3220	611.8105	633.5200	**	
STRUCTURE							REQD	EACH	APRON	521.1012	522.0418	522.1018	530.0112	611.0639	611.0654	611.1230	611.3220	611.8105	633.5200	**	
NUMBER							EACH		APRON	521.1012	522.0418	522.1018	530.0112	611.0639	611.0654	611.1230	611.3220	611.8105	633.5200	**	
2	290+55	35' LT	3	1	1	1	1	1	84	1	1	1	1	2.02	2.02	1	1	1	1	1	1
3	292+12	24' RT	3	1	1	1	1	1	14	1	1	1	1	4.93	4.93	1	1	1	1	1	1
4.0	292+12	24' LT	864.40						16	16	16	16	16	9.69	9.69	1	1	1	1	1	1
SUBTOTAL																					
2	78+90	19' LT																			
2	81+63	26' LT																			
3	304+79	27.4' LT	799.48							EXISTING	1	1	1	1	1	1	1	1	1	1	1
SUBTOTAL																					
TOTAL																					
*FOR INFORMATION ONLY																					
**STRUCTURE DEPTH DOES NOT INCLUDE 6 INCHES OF ADJUSTMENT RINGS																					

TRAFFIC CONTROL

CATEGORY	STAGE	ROADWAY	LOCATION	LF	CONCRETE BARRIER DELIVERED	CONCRETE BARRIER TEMPORARY PRECAST INSTALLED	ANCHORING CONCRETE BARRIER TEMPORARY PRECAST ON BRIDGE DECKS	603.8505	603.8125	603.0300	643.0420	643.0705	643.0715	643.0800	643.0900	643.0910	643.0920	643.1050	643.3120	643.3150
FOR INFORMATION ONLY																				
0010	1	USH 18	MAINLINE	--	--	--	--	80	160	--	--	--	--	600	--	--	--	--	--	22.600
			B-67-0377	100	100	100	100	2,200	4,400	--	--	--	--	1,540	--	--	--	--	--	2.50
			B-67-0378	--	--	--	--	2,200	4,400	--	--	--	--	1,540	--	--	--	--	--	2.50
			B-67-0379	--	--	--	--	2,200	4,400	--	--	--	--	1,540	--	--	--	--	--	2.50
			DETOUR	--	--	--	--	25,400	3,960	7,590	45,600	4	33	2	14	--	--	--	--	22.600
			SUBTOTAL	100	300	300	300	25,400	8,660	17,320	7,590	4	33	2	14	--	--	--	--	22.600
0010	1	STH 59	B-67-0152	556	556	556	556	4,960	280	560	770	70	840	--	--	--	--	--	--	790
			SUBTOTAL	556	556	556	556	4,960	280	560	770	70	840	--	--	--	--	--	--	790
0010	2	STH 59	B-67-0152	--	--	--	--	1,100	240	480	660	60	1,380	--	--	--	--	--	--	790
			SUBTOTAL	--	--	--	--	1,100	240	480	660	60	1,380	--	--	--	--	--	--	790
0010	3	STH 59	B-67-0152	--	--	--	--	780	120	240	330	30	360	--	--	--	--	--	--	1,330
			SUBTOTAL	--	--	--	--	780	120	240	330	30	360	--	--	--	--	--	--	1,330
			UNDISTRIBUTED	264	792	2,760	2,760	4,810	2,330	4,650	2,340	40	13,400	1	9	42	395	6,420	32,070	
			TOTAL	920	2,760	2,760	2,760	24,050	11,630	23,250	11,690	200	66,800	5	42	70	1,975	14,975	74	

Addendum No. 02  
 ID 2715-03-73  
 Revised Sheet 74  
 April 25, 2023



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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	108.4400 CPM Progress Schedule	1.000 EACH	_____.	_____.
0004	201.0105 Clearing	13.000 STA	_____.	_____.
0006	201.0205 Grubbing	13.000 STA	_____.	_____.
0008	203.0211.S Abatement of Asbestos Containing Material (structure) 01. B-67-0152	1.000 EACH	_____.	_____.
0010	203.0260 Removing Structure Over Waterway Minimal Debris (structure) 01. B-67-0152	1.000 EACH	_____.	_____.
0012	203.0270 Removing Structure Over Waterway Debris Capture (structure) 01. B-67-0025	1.000 EACH	_____.	_____.
0014	203.0270 Removing Structure Over Waterway Debris Capture (structure) 02. B-67-0026	1.000 EACH	_____.	_____.
0016	203.0270 Removing Structure Over Waterway Debris Capture (structure) 03. B-67-0027	1.000 EACH	_____.	_____.
0018	204.0100 Removing Concrete Pavement	8,230.000 SY	_____.	_____.
0020	204.0115 Removing Asphaltic Surface Butt Joints	231.000 SY	_____.	_____.
0022	204.0120 Removing Asphaltic Surface Milling	75,780.000 SY	_____.	_____.
0024	204.0150 Removing Curb & Gutter	931.000 LF	_____.	_____.
0026	204.0155 Removing Concrete Sidewalk	102.000 SY	_____.	_____.
0028	204.0165 Removing Guardrail	2,700.000 LF	_____.	_____.
0030	204.0215 Removing Catch Basins	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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	204.0245 Removing Storm Sewer (size) 01. 12-Inch	7.000 LF	_____.	_____.
0034	205.0100 Excavation Common	2,790.000 CY	_____.	_____.
0036	206.1001 Excavation for Structures Bridges (structure) 01. B-67-0377	1.000 EACH	_____.	_____.
0038	206.1001 Excavation for Structures Bridges (structure) 02. B-67-0378	1.000 EACH	_____.	_____.
0040	206.1001 Excavation for Structures Bridges (structure) 03. B-67-0379	1.000 EACH	_____.	_____.
0042	206.1001 Excavation for Structures Bridges (structure) 04. B-67-0152	1.000 EACH	_____.	_____.
0044	208.0100 Borrow	762.000 CY	_____.	_____.
0046	210.1500 Backfill Structure Type A	998.000 TON	_____.	_____.
0048	213.0100 Finishing Roadway (project) 01. 2715-03-73	1.000 EACH	_____.	_____.
0050	305.0110 Base Aggregate Dense 3/4-Inch	2,177.000 TON	_____.	_____.
0052	305.0120 Base Aggregate Dense 1 1/4-Inch	11,490.000 TON	_____.	_____.
0054	312.0110 Select Crushed Material	28.000 TON	_____.	_____.
0056	415.0080 Concrete Pavement 8-Inch	1,350.000 SY	_____.	_____.
0058	415.0410 Concrete Pavement Approach Slab	361.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0060	416.1010 Concrete Surface Drains	4.000 CY	_____.	_____.
0062	455.0605 Tack Coat	8,372.000 GAL	_____.	_____.
0064	460.2000 Incentive Density HMA Pavement	7,450.000 DOL	1.00000	7,450.00
0066	460.5223 HMA Pavement 3 LT 58-28 S	1,925.000 TON	_____.	_____.
0068	460.5224 HMA Pavement 4 LT 58-28 S	9,883.000 TON	_____.	_____.
0070	465.0105 Asphaltic Surface	1,367.000 TON	_____.	_____.
0072	465.0120 Asphaltic Surface Driveways and Field Entrances	58.000 TON	_____.	_____.
0074	465.0315 Asphaltic Flumes	18.000 SY	_____.	_____.
0076	465.0475 Asphalt Centerline Rumble Strips 2-Lane Rural	8,890.000 LF	_____.	_____.
0078	502.0100 Concrete Masonry Bridges	1,802.000 CY	_____.	_____.
0080	502.3200 Protective Surface Treatment	2,481.000 SY	_____.	_____.
0082	502.3210 Pigmented Surface Sealer	637.000 SY	_____.	_____.
0084	502.4205 Adhesive Anchors No. 5 Bar	223.000 EACH	_____.	_____.
0086	502.4206 Adhesive Anchors No. 6 Bar	344.000 EACH	_____.	_____.
0088	503.0136 Prestressed Girder Type I 36-Inch	63.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0090	505.0400 Bar Steel Reinforcement HS Structures	23,420.000 LB	_____.	_____.
0092	505.0600 Bar Steel Reinforcement HS Coated Structures	297,370.000 LB	_____.	_____.
0094	505.0800.S Bar Steel Reinforcement HS Stainless Structures	1,390.000 LB	_____.	_____.
0096	506.2605 Bearing Pads Elastomeric Non-Laminated	1.000 EACH	_____.	_____.
0098	506.4000 Steel Diaphragms (structure) 01. B-67-0152	18.000 EACH	_____.	_____.
0100	509.1500 Concrete Surface Repair	20.000 SF	_____.	_____.
0102	509.9020.S Epoxy Crack Sealing	30.000 LF	_____.	_____.
0104	511.1200 Temporary Shoring (structure) 01. B-67-0152	600.000 SF	_____.	_____.
0106	512.1000 Piling Steel Sheet Temporary	12,850.000 SF	_____.	_____.
0108	516.0500 Rubberized Membrane Waterproofing	95.000 SY	_____.	_____.
0110	520.8000 Concrete Collars for Pipe	2.000 EACH	_____.	_____.
0112	520.8700 Cleaning Culvert Pipes	1.000 EACH	_____.	_____.
0114	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch	2.000 EACH	_____.	_____.
0116	522.0418 Culvert Pipe Reinforced Concrete Class IV 18-Inch	84.000 LF	_____.	_____.





Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0118	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	1.000 EACH	_____.	_____.
0120	530.0112 Culvert Pipe Corrugated Polyethylene 12-Inch	30.000 LF	_____.	_____.
0122	550.1100 Piling Steel HP 10-Inch X 42 Lb	2,160.000 LF	_____.	_____.
0124	550.2106 Piling CIP Concrete 10 3/4 X 0.365-Inch	5,835.000 LF	_____.	_____.
0126	601.0409 Concrete Curb & Gutter 30-Inch Type A	457.000 LF	_____.	_____.
0128	601.0415 Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	935.000 LF	_____.	_____.
0130	601.0588 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	215.000 LF	_____.	_____.
0132	602.0410 Concrete Sidewalk 5-Inch	279.000 SF	_____.	_____.
0134	603.8000 Concrete Barrier Temporary Precast Delivered	920.000 LF	_____.	_____.
0136	603.8125 Concrete Barrier Temporary Precast Installed	2,760.000 LF	_____.	_____.
0138	606.0200 Riprap Medium	19.000 CY	_____.	_____.
0140	606.0300 Riprap Heavy	494.000 CY	_____.	_____.
0142	611.0639 Inlet Covers Type H-S	1.000 EACH	_____.	_____.
0144	611.0654 Inlet Covers Type V	2.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0146	611.1230 Catch Basins 2x3-FT	1.000 EACH	_____.	_____.
0148	611.3220 Inlets 2x2-FT	2.000 EACH	_____.	_____.
0150	611.8105 Adjusting Catch Basin Covers	3.000 EACH	_____.	_____.
0152	612.0406 Pipe Underdrain Wrapped 6-Inch	610.000 LF	_____.	_____.
0154	614.0150 Anchor Assemblies for Steel Plate Beam Guard	16.000 EACH	_____.	_____.
0156	614.0395 Guardrail Mow Strip Concrete	71.000 SY	_____.	_____.
0158	614.0397 Guardrail Mow Strip Emulsified Asphalt	983.000 SY	_____.	_____.
0160	614.2300 MGS Guardrail 3	800.000 LF	_____.	_____.
0162	614.2330 MGS Guardrail 3 K	162.500 LF	_____.	_____.
0164	614.2500 MGS Thrie Beam Transition	553.000 LF	_____.	_____.
0166	614.2610 MGS Guardrail Terminal EAT	14.000 EACH	_____.	_____.
0168	616.0206 Fence Chain Link 6-FT	219.000 LF	_____.	_____.
0170	618.0100 Maintenance And Repair of Haul Roads (project) 01. 2715-03-73	1.000 EACH	_____.	_____.
0172	619.1000 Mobilization	1.000 EACH	_____.	_____.
0174	624.0100 Water	104.000 MGAL	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0176	625.0100 Topsoil	4,775.000 SY	_____.	_____.
0178	627.0200 Mulching	4,752.000 SY	_____.	_____.
0180	628.1504 Silt Fence	2,092.000 LF	_____.	_____.
0182	628.1520 Silt Fence Maintenance	2,092.000 LF	_____.	_____.
0184	628.1530.S Silt Fence Heavy Duty	2,369.000 LF	_____.	_____.
0186	628.1535.S Silt Fence Heavy Duty Maintenance	2,369.000 LF	_____.	_____.
0188	628.1905 Mobilizations Erosion Control	23.000 EACH	_____.	_____.
0190	628.1910 Mobilizations Emergency Erosion Control	14.000 EACH	_____.	_____.
0192	628.2008 Erosion Mat Urban Class I Type B	4,328.000 SY	_____.	_____.
0194	628.6505 Soil Stabilizer Type A	1.300 ACRE	_____.	_____.
0196	628.7015 Inlet Protection Type C	5.000 EACH	_____.	_____.
0198	628.7020 Inlet Protection Type D	7.000 EACH	_____.	_____.
0200	628.7504 Temporary Ditch Checks	300.000 LF	_____.	_____.
0202	628.7555 Culvert Pipe Checks	10.000 EACH	_____.	_____.
0204	628.7560 Tracking Pads	9.000 EACH	_____.	_____.
0206	629.0210 Fertilizer Type B	5.000 CWT	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0208	630.0130 Seeding Mixture No. 30	217.000 LB	_____.	_____.
0210	630.0200 Seeding Temporary	132.000 LB	_____.	_____.
0212	630.0500 Seed Water	19.000 MGAL	_____.	_____.
0214	631.0300 Sod Water	3.000 MGAL	_____.	_____.
0216	631.1100 Sod Erosion Control	25.000 SY	_____.	_____.
0218	633.5200 Markers Culvert End	1.000 EACH	_____.	_____.
0220	634.0618 Posts Wood 4x6-Inch X 18-FT	42.000 EACH	_____.	_____.
0222	637.2210 Signs Type II Reflective H	82.500 SF	_____.	_____.
0224	637.2230 Signs Type II Reflective F	79.000 SF	_____.	_____.
0226	638.2102 Moving Signs Type II	16.000 EACH	_____.	_____.
0228	638.2602 Removing Signs Type II	21.000 EACH	_____.	_____.
0230	638.3000 Removing Small Sign Supports	36.000 EACH	_____.	_____.
0232	642.5201 Field Office Type C	1.000 EACH	_____.	_____.
0234	643.0300 Traffic Control Drums	39,050.000 DAY	_____.	_____.
0236	643.0420 Traffic Control Barricades Type III	11,630.000 DAY	_____.	_____.
0238	643.0705 Traffic Control Warning Lights Type A	23,250.000 DAY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0240	643.0715 Traffic Control Warning Lights Type C	11,690.000 DAY	_____.	_____.
0242	643.0800 Traffic Control Arrow Boards	200.000 DAY	_____.	_____.
0244	643.0900 Traffic Control Signs	66,800.000 DAY	_____.	_____.
0246	643.0910 Traffic Control Covering Signs Type I	5.000 EACH	_____.	_____.
0248	643.0920 Traffic Control Covering Signs Type II	42.000 EACH	_____.	_____.
0250	643.1050 Traffic Control Signs PCMS	70.000 DAY	_____.	_____.
0252	643.3120 Temporary Marking Line Epoxy 4-Inch	1,975.000 LF	_____.	_____.
0254	643.3150 Temporary Marking Line Removable Tape 4-Inch	32,070.000 LF	_____.	_____.
0256	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0258	645.0111 Geotextile Type DF Schedule A	302.000 SY	_____.	_____.
0260	645.0120 Geotextile Type HR	886.000 SY	_____.	_____.
0262	646.1020 Marking Line Epoxy 4-Inch	47,205.000 LF	_____.	_____.
0264	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	44,102.000 LF	_____.	_____.
0266	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	874.000 LF	_____.	_____.
0268	646.5020 Marking Arrow Epoxy	6.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0270	646.5120 Marking Word Epoxy	2.000 EACH	_____.	_____.
0272	646.6120 Marking Stop Line Epoxy 18-Inch	206.000 LF	_____.	_____.
0274	646.7120 Marking Diagonal Epoxy 12-Inch	142.000 LF	_____.	_____.
0276	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	144.000 LF	_____.	_____.
0278	648.0100 Locating No-Passing Zones	4.300 MI	_____.	_____.
0280	650.4000 Construction Staking Storm Sewer	3.000 EACH	_____.	_____.
0282	650.4500 Construction Staking Subgrade	2,158.000 LF	_____.	_____.
0284	650.5000 Construction Staking Base	1,585.000 LF	_____.	_____.
0286	650.5500 Construction Staking Curb Gutter and Curb & Gutter	1,150.000 LF	_____.	_____.
0288	650.6501 Construction Staking Structure Layout (structure) 01. B-67-0152	1.000 EACH	_____.	_____.
0290	650.6501 Construction Staking Structure Layout (structure) 02. B-67-0377	1.000 EACH	_____.	_____.
0292	650.6501 Construction Staking Structure Layout (structure) 03. B-67-0378	1.000 EACH	_____.	_____.
0294	650.6501 Construction Staking Structure Layout (structure) 04. B-67-0379	1.000 EACH	_____.	_____.
0296	650.7000 Construction Staking Concrete Pavement	686.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0298	650.8000 Construction Staking Resurfacing Reference	20,757.000 LF	_____.	_____.
0300	650.9500 Construction Staking Sidewalk (project) 01. 2715-03-73	1.000 EACH	_____.	_____.
0302	650.9911 Construction Staking Supplemental Control (project) 01. 2715-03-73	1.000 EACH	_____.	_____.
0304	650.9920 Construction Staking Slope Stakes	2,454.000 LF	_____.	_____.
0306	690.0150 Sawing Asphalt	304.000 LF	_____.	_____.
0308	690.0250 Sawing Concrete	880.000 LF	_____.	_____.
0310	715.0502 Incentive Strength Concrete Structures	10,782.000 DOL	1.00000	10,782.00
0312	715.0720 Incentive Compressive Strength Concrete Pavement	540.000 DOL	1.00000	540.00
0314	740.0440 Incentive IRI Ride	16,670.000 DOL	1.00000	16,670.00
0316	999.2000.S Installing and Maintaining Bird Deterrent System (station) 01. 80+19	1.000 EACH	_____.	_____.
0318	999.2000.S Installing and Maintaining Bird Deterrent System (station) 02. 239+30	1.000 EACH	_____.	_____.
0320	999.2000.S Installing and Maintaining Bird Deterrent System (station) 03. 291+63	1.000 EACH	_____.	_____.
0322	SPV.0060 Special 01. Fisheries Consultant (2715-03-73)	1.000 EACH	_____.	_____.
0324	SPV.0090 Special 01. Marking Contrast Epoxy 4-Inch	594.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0326	SPV.0090 Special 02. Treated Timber Rub Rail	154.000 LF	_____.	_____.
0328	SPV.0165 Special 01. Fiber Wrap Reinforced Non-Structural	55.000 SF	_____.	_____.
0330	SPV.0180 Special 01. Removing Distressed Pavement Milling	11,380.000 SY	_____.	_____.
0332	SPV.0180 Special 02. Enhanced Turbidity Barrier	326.000 SY	_____.	_____.
0334	SPV.0195 Special 01. Select Crushed Material for Travel Corridor	89.000 TON	_____.	_____.
0336	603.8505 Anchoring Concrete Barrier Temporary Precast on Bridge Decks	250.000 LF	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.





# Wisconsin Department of Transportation

## Division of Transportation Systems Development

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> Floor South  
Madison, WI 53705

May 4, 2023

Telephone: (608) 266-1631  
Facsimile (FAX): (608) 266-8459

### NOTICE TO ALL CONTRACTORS:

**Proposal #30: 2715-03-73**  
**Various Bridge Locations**  
**STH 59 & USH 18**  
**VAR HWY**  
**Waukesha County**

### Letting of May 9, 2023

This is Addendum No. 03, which provides for the following:

#### Special Provisions:

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress.
6	Utilities.

#### Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
643.0920	Covering Signs Type II	Each	42	476	518

#### Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
74	Quantity for Covering Signs Type II increased in table.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

*Mike Coleman*

Proposal Development Specialist  
Proposal Management Section

**ADDENDUM NO. 03**

**2715-03-73**

**May 4, 2023**

**Special Provisions**

**3. Prosecution and Progress.**

*Add the following:*

**Interim Completion and Liquidated Damages – USH 18 Resurfacing: 30 Calendar Days**

At the beginning of the USH 18 resurface work, close USH 18 to through traffic for a maximum of 30 calendar days. Do not reopen until completing the following work: milling, paving, shoulders, rumble strips, and marking.

If the contractor fails to complete the work necessary to reopen USH 18 to traffic within 30 calendar days, the department will assess the contractor \$4,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 30 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

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

**6. Utilities.**

*Replace entire article language with the following:*

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

stp-107-065 (20080501)

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

- **AT&T Wisconsin – Communication Line**
- **Brightspeed of Western Wisconsin, LLC – Communication Line**
- **Everstream – Communication Line**
- **Genesee Lk – Sewer**
- **Midwest Fiber Networks LLC – Communication Line**
- **Rogers Telecom – Communication Line**
- **Village of Dousman Utilities – Sewer**
- **Village of Dousman Utilities – Water**

Additional detailed information regarding the location of vacated, relocated, and/or removed utility facilities is available in the work plan provided by each utility company or on the permits issued to them. View these documents at the region WisDOT office during normal working hours.

**Spectrum – Communication Line** has overhead communication facilities near proposed structures B-67-0378 and B-67-0379. Spectrum will replace the overhead lines and reconnect them new WE Energies poles within the project limits. This work is anticipated to be completed during construction. The anticipated start date is 3 days after the receipt of pole permits from WE Energies and is estimated to take 60 working days to complete. No other work is required within the project limits.

**WE Energies – Electric** has overhead communication facilities near proposed structure B-67-0378. WE Energies will remove, install, splice and trench the overhead lines within the project limits.

Pole removal locations are at STA 238+75, 47' Left, STA 241+27, 36' Left, STA 241+28, 29' Right, STA 290+13, 39' Left, STA 290+72, 42' Left, STA 291+00, 30' Left, and STA 293+11, 48' Left. New post install locations will be at STA 238+81, 69' Left, STA 241+24, 33' Right, STA 289+68, 40' Left, STA 289+71, 46' Left, STA 290+93, 42' Right, STA 292+81, 48' Left, and STA 292+81, 43' Right. Spliced electric lines will be placed near STA 290+05, 29' Left.

This work is anticipated to be completed during construction. The anticipated start date is July 31, 2023 and is estimated to take 30 working days to complete for new installations and 5 working days to complete for removals for a total of 35 working days. No other work is required within the project limits.

**WE Energies – Gas** has underground gas facilities near proposed structure B-67-0379. WE Energies will relocate gas lines and reconnect them to existing facilities within the project limits. This work is anticipated to be completed prior to construction. The anticipated start date is April 2023 and is estimated to take 40 working days. No other work is required within the project limits.

**Windstream KDL, LLC – Communication Line** has overhead communication facilities near proposed structures B-67-0378 and B-67-0379. Windstream will replace the overhead lines and reconnect them new WE Energies poles within the project limits. Aerial facilities relocated at the northeast quadrant of bridge B-67-0378 may encroach on the 20' limit. This facility cannot be rerouted and will need to be worked around. Aerial facilities near structure B-67-0379 may encroach on the 20' limit. This facility cannot be rerouted and will need to be worked around.

This work is anticipated to be completed during construction. The anticipated start date is 3 days after the WE Energies and Spectrum relocation work is completed and is estimated to take 30 working days to complete. No other work is required within the project limits.

#### **Schedule of Items**

Attached, dated May 4, 2023, are the revised Schedule of Items Page 9.

#### **Plan Sheets**

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:  
Revised: 74.

END OF ADDENDUM





Proposal Schedule of Items

Proposal ID: 20230509030 Project(s): 2715-03-73

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
0240	643.0715 Traffic Control Warning Lights Type C	11,690.000 DAY	_____.	_____.
0242	643.0800 Traffic Control Arrow Boards	200.000 DAY	_____.	_____.
0244	643.0900 Traffic Control Signs	66,800.000 DAY	_____.	_____.
0246	643.0910 Traffic Control Covering Signs Type I	5.000 EACH	_____.	_____.
0248	643.0920 Traffic Control Covering Signs Type II	518.000 EACH	_____.	_____.
0250	643.1050 Traffic Control Signs PCMS	70.000 DAY	_____.	_____.
0252	643.3120 Temporary Marking Line Epoxy 4-Inch	1,975.000 LF	_____.	_____.
0254	643.3150 Temporary Marking Line Removable Tape 4-Inch	32,070.000 LF	_____.	_____.
0256	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0258	645.0111 Geotextile Type DF Schedule A	302.000 SY	_____.	_____.
0260	645.0120 Geotextile Type HR	886.000 SY	_____.	_____.
0262	646.1020 Marking Line Epoxy 4-Inch	47,205.000 LF	_____.	_____.
0264	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	44,102.000 LF	_____.	_____.
0266	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	874.000 LF	_____.	_____.
0268	646.5020 Marking Arrow Epoxy	6.000 EACH	_____.	_____.





## Wisconsin Department of Transportation

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May 4, 2023

**Division of Transportation Systems  
Development**

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> Floor South  
Madison, WI 53705

Telephone: (608) 266-1631  
Facsimile (FAX): (608) 266-8459

### **NOTICE TO ALL CONTRACTORS:**

**Proposal #30: 2715-03-73  
Various Bridge Locations  
STH 59 & USH 18  
VAR HWY  
Waukesha County**

### **Letting of May 9, 2023**

This is Addendum No. 04, which provides for the following:

#### **Special Provisions:**

<b>Revised Special Provisions</b>	
<b>Article No.</b>	<b>Description</b>
3	Prosecution and Progress.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

*Mike Coleman*

Proposal Development Specialist  
Proposal Management Section

**ADDENDUM NO. 04**

**2715-03-73**

**May 4, 2023**

**Special Provisions**

**3. Prosecution and Progress.**

*Replace entire section titled **Fish Spawning** with the following.*

**Fish Spawning**

There shall be no instream disturbance of the Bark River or the Fox River as a result of construction activity under or for this contract, from March 1 to June 30 both dates inclusive, in order to avoid adverse impacts upon the spawning of fish species. However, the installation of and/or removal of temporary sheet piling and/or turbidity barrier may be allowed prior to May 20. Submit a plan for approval that details conservation measures employed to protect endangered fish species if installing or removing temporary sheet piling and/or turbidity barrier from March 1 to May 20.

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

END OF ADDENDUM