

HIGHWAY WORK PROPOSAL

Wisconsin Department of Transportation
06/2017 s.66.0901(7) Wis. Stats

Proposal Number: **044**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
North Central Region Wi	1009-44-68	N/A	Regionwide Bridge Maintenance; Locations On Stn Per Annual Plan	VAR HWY

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: \$40,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: March 12, 2019 Time (Local Time): 9:00 am	Firm Name, Address, City, State, Zip Code
Contract Completion Time August 01, 2020	SAMPLE NOT FOR BIDDING PURPOSES
Assigned Disadvantaged Business Enterprise Goal 0%	This contract is exempt from federal oversight.

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

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

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)

(Bidder Signature)

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

(Print or Type Bidder Name)

(Date Commission Expires)

(Bidder Title)

Notary Seal

Type of Work: Bridge maintenance	For Department Use Only
Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

Effective with November 2007 Letting

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.

Effective with August 2015 Letting

BID PREPARATION

Preparing the Proposal Schedule of Items

A General

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

- (3) The department will provide bidding information through the department's web site at:
<https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

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

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

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

- (5) The department will address equipment and process failures, if the bidder can demonstrate that those failures were beyond their control.
- (6) Contractors are responsible for checking on the issuance of addenda and for obtaining the addenda. Notice of issuance of addenda is posted on the department's web site at:
<https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

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

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

B Submitting Electronic Bids

B.1 On the Internet

- (1) Do the following before submitting the bid:
 1. Have a properly executed annual bid bond on file with the department.

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

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

- (1) Download the latest schedule of items from the Wisconsin pages of the Bid Express™ web site reflecting the latest addenda posted on the department's web site at:
<https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>
Use Expedite™ software to prepare and print the schedule of items. Provide a valid amount for all price fields. Follow instructions and review the help screens provided on the Bid Express™ web site to assure that the schedule of items is prepared properly.
- (2) Staple an 8 1/2 by 11 inch printout of the Expedite™ generated schedule of items to the other proposal documents submitted to the department as a part of the bidder's sealed bid. As a separate submittal, not in the sealed bid envelop but due at the same time and place as the sealed bid, also provide the Expedite™ generated schedule of items on a 3 1/2 inch computer diskette or CD ROM. Label each diskette or CD ROM with the bidder's name, the 4 character department-assigned bidder identification code from the top of the bidding proposal, and a list of the proposal numbers included on that diskette or CD ROM as indicated in the following example:

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

- (3) If bidding on more than one proposal in the letting, the bidder may include all proposals for that letting on one diskette or CD ROM. Include only submitted proposals with no incomplete or other files on the diskette or CD ROM.
- (4) The bidder-submitted printout of the Expedite™ generated schedule of items is the governing contract document and must conform to the requirements of section 102 of the standard specifications. If a printout needs to be altered, cross out the printed information with ink or typewriter and enter the new information and initial it in ink. If there is a discrepancy between the printout and the diskette or CD ROM, the department will analyze the bid using the printout information.
- (5) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:
 1. The check code printed on the bottom of the printout of the Expedite™ generated schedule of items is not the same on each page.
 2. The check code printed on the printout of the Expedite™ generated schedule of items is not the same as the check code for that proposal provided on the diskette or CD ROM.

3. The diskette or CD ROM is not submitted at the time and place the department designates.

C Waiver of Electronic Submittal

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

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

(Signature of Attorney-in-Fact)

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)

March 2010

LIST OF SUBCONTRACTORS

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

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

[illegible]

DECEMBER 2000

**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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SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 1009-44-68, Regionwide Bridge Maintenance, Locations on STN per Annual Plan, Var Hwy in Oneida, Iron and Vilas Counties, 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, 2019 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 (20180628)

2. Scope of Work.

The work under this contract shall consist of Underwater Concrete Surface Repair, Concrete Surface Repair, Concrete Pavement Approach Slab HES, Strip Seal Gland Replacement, Scour Repair Grout, Grout bags, and Mats, Structural Grout, Traffic Control, Concrete Masonry Bridges, 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 ten calendar days after the engineer issues a written notice to do so.

Provide the time frame for construction of the project within the 2019 and 2020 construction seasons to the engineer in writing within a month after executing the contract but at least 14 calendar days before the preconstruction conference. Assure that the time frame is consistent with the contract completion time. Upon approval, the engineer will issue the notice to proceed within ten calendar days before the beginning of the approved time frame.

To revise the time frame, submit a written request to the engineer at least two weeks before the beginning of the intended time frame. 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 on B-43-41 (USH 51) requiring lane closures is required to occur between spring 2020 Notice to Proceed and May 22, 2020, Memorial Day weekend, at which time the roadway will be fully opened to traffic.

Work on B-43-23 (USH 8) will be required to occur after April 15, 2020. Lane closures are not allowed in 2019 to avoid work zone traffic conflicts with roundabout construction (Project 1590-14-71) at the STH 47/USH 8 intersection north of the bridge, which is not part of this contract

Work on B-63-17 (STH 70) will be required to occur in 2020.

If contractor proposes any action that would affect water levels and flows, coordination and approvals are needed from applicable WDNR/Hydro to meet WDNR and Federal Energy Regulatory Commission requirements.

Notify WDNR a minimum of seven days prior to placement of grout.

Provide PH monitoring equipment and monitor PH levels of water contained by turbidity barrier and waters downstream of work site. PH Levels of water contained by turbidity barrier shall be less than 9 before the removal of the turbidity barrier is allowed.

Fish Spawning

B-26-671: There shall be no instream disturbance of Montreal River as a result of construction activity under or for this contract, prior to May 15th or after September 15, in order to avoid adverse impacts upon the spawning of trout.

B-43-23, B-63-17: There shall be no instream disturbance of Wisconsin River as a result of construction activity under or for this contract, from April 30 to June 16 both dates inclusive, in order to avoid adverse impacts upon 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.

Complete construction operations on USH 51/B-43-41 to the stage necessary to reopen all lanes to through traffic prior to 12:01 AM, May 22, 2020. Do not reopen until completing the following work: All work involving travel lanes closures. This includes all work in the travel lanes, work underneath the bridge where lane closures would be necessary on or near the bridge B-43-41 to accommodate the storage/staging of construction materials, equipment or contractor vehicles.

If the contractor fails to complete the work necessary to reopen USH 51/B-43-41 to through traffic prior to 12:01 AM, May 22, 2020, the department will assess the contractor \$2,500 in interim liquidated damages for each calendar day that the roadway remains closed after 12:01 AM, May 22, 2020. 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.

4. Traffic.

STH 122 (B-26-671) – Keep STH 122 open to traffic at all times. Single lane closures are permitted with flagging. Single lane closure will be permitted to allow contractor access to the river from the closed lane and shoulder.

USH 8 (B-43-23) – Complete replacement of the approach slabs and northwest bridge wingwall will be completed using temporary traffic signals to allow USH 8 to remain open to single-lane traffic during construction. Maintain one 14 feet wide lane (minimum) at all times. Lane closures are only allowed after April 15, 2020.

USH 51 (B-43-41) - Replacement of the approach slabs and north abutment strip seal replacement will be phased to allow USH 51 to remain open to two-way traffic during construction. The clear roadway width over the structure is 52 feet between curbs. Contractor to maintain two 12 feet wide lanes (min) at all times. Lane closures are only allowed between spring 2020 Notice to Proceed and May 22, 2020.

STH 70 (B-63-17) – Keep STH 70 open to two-way traffic at all times. Maintain 12 feet lane widths (minimum) at all times. Shoulder closures are permitted to allow contractor access to the river from the closed shoulder and bridge deck.

5. Holiday Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying USH 51, USH 8, STH 70, STH 122, or STH 186 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 periods:

- From noon Friday, May 24, 2019 to 6:00 AM Tuesday, May 28, 2019 for Memorial Day;
- From noon Wednesday, July 3, 2019 to 6:00 AM Monday, July 8, 2019 for Independence Day;
- From noon Friday, August 30, 2019 to 6:00 AM Tuesday, September 3, 2019 for Labor Day;
- From noon Thursday, November 27, 2019 to 6:00 AM Monday, December 2, 2019 for Thanksgiving;
- From noon Friday May 22, 2020 to 6:00 AM Tuesday, May 26, 2020 for Memorial Day;
- From noon Thursday, July 2, 2020 to 6:00 AM Monday, July 6, 2020 for Independence Day.

stp-107-005 (20050502)

6. Utilities.

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

Topographic surveys were not conducted for this project and utilities are not shown on the plans. The following utility owners have facilities within the construction limits, however no conflicts are anticipated:

- **Frontier Communications of WI LLC**
- **Lakeland Sanitary District #1 - Sewer**
- **Lakeland Sanitary District #1 - Water**
- **Saxon Sanitary District 1 - Sewer**

- **Wisconsin Public Service Corporation** - Electricity
- **Wisconsin Public Service Corporation** - Gas
- **Xcel Energy** - Electricity

Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities for the underground facilities in the area, as required per state statutes. Use caution to maintain the integrity of utilities. Coordinate with the engineer to adjust plans as needed to avoid any unanticipated utility conflicts.

stp-107-065 (20080501)

7. **Environmental Protection - Dewatering.**

Add the following to standard spec 107.18:

If dewatering is required, treat the water to remove suspended sediments by filtration, settlement or other appropriate best management practice prior to discharge. Submit the proposed means and methods of dewatering for each required location for approval as part of the Erosion Control Implementation Plan (ECIP). Include details of how the intake will be managed to not cause an increase in the background level turbidity prior to treatment and any additional measures necessary to prevent sediments from reaching the project limits or wetlands and waterways.

Guidance on Dewatering can be found on the Wisconsin Department of Natural Resources website located in the Storm Water Construction Technical Standards, Dewatering Code #1061. This document can be found at the WisDNR website:

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

Work includes furnishing all materials, excavation, maintenance, cleaning, disposal of surplus material and removal of the dewatering system and is incidental to contract work.

ncr-107-025 (20160401)

8. **Information to Bidders, Other Contracts.**

The department may have other projects in close proximity to the locations under this contract. Those projects are:

B-43-41:	ID 1170-19-60	B-43-23:	ID 1590-14-71
	Joint Repair		Roundabout
	USH 51		STH 47/USH 8
	Oneida County		Oneida County

Coordinate any traffic control or work that may conflict with construction operations of this or other contracts with the engineer.

9. **Construction Over or Adjacent to Navigable Waters.**

The Wisconsin River, Montreal River and Lake Minocqua are classified as a state navigable waterway under standard spec 107.19.

stp-107-060 (20171130)

Add the following to standard spec 107.19(3):

A waterway marker permit is required for placing advanced warning markers in the Wisconsin River and Lake Minocqua as shown in the plans. Additional information on waterway markers can be found on the Wisconsin DNR website:

<http://dnr.wi.gov/topic/boat/ordinances.html>

The contractor shall be responsible for obtaining the necessary waterway marker permit per standard spec 107.19. The contractor shall coordinate the buoy placement with the DNR. All costs for coordinating, constructing, installing, and maintaining the buoys are incidental to other contract items.

10. **Environmental Protection, Aquatic Exotic Species Control.**

Exotic invasive organisms such as VHS, zebra mussels, purple loosestrife, and Eurasian water milfoil are becoming more prolific in Wisconsin and pose adverse effects to waters of the state. Wisconsin State Statutes 30.07, "Transportation of Aquatic Plants and Animals; Placement of Objects in Navigable

Waters", details the state law that requires the removal of aquatic plants and zebra mussels each time equipment is put into state waters.

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

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

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

Use the following inspection and removal procedures:

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

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

stp-107-055 (20130615)

11. Notice to Contractor, Asbestos Containing Materials on Structure.

Asbestos was not detected on Structures B-43-41, B-43-23, B-63-17, or B-26-671.

stp-107-120 (20120615)

12. Public Convenience and Safety.

Replace standard spec 107.8 (4) with the following:

Notify the following organizations and departments at least two business days before road closures, lane closures, or detours are put into effect:

B-26-671 (STH 122)

Iron County Sheriff's Department
Wisconsin State Patrol
Town of Saxon
Hurley School District
Saxon Post Office

B-43-23 (USH 8)

Oneida County Sheriff's Department
Wisconsin State Patrol
Town of Crescent
City of Rhinelander

Town of Pelican
Rhinelander School District
Rhinelander Post Office

B-43-41 (USH 51)

Oneida County Sheriff's Department
Wisconsin State Patrol
Town of Minocqua
Minocqua J1 School District
Minocqua Post Office

B-63-17 (STH 70)

Vilas County Sheriff's Department
Wisconsin State Patrol
Town of Cloverland
Northland Pines School District
Eagle River Post Office

The Oneida, Vilas, and Iron County Sheriff's Department 911 dispatches all area police, fire and ambulance services, and will relay any notification given by the contractor.

ncr-107-005 (20141015)

13. Field Facilities.

Provide a separate field office for the full duration of work at each of the grouping of project sites:

Field Office Grouping 1 (2019): STH 122, Montreal River (B-26-671)

Field Office Grouping 2 (2020): STH 70 over Wisconsin River (B-63-17)
USH 8, Wisconsin River (B-43-23)
USH 51, Minocqua Lake (B-43-41)

Field Office, Type C, provided at both locations, will be paid as one complete unit for the duration of the contract.

14. Traffic Control.

Add the following to standard spec 643.3.1:

Lighting devices shall be covered or rendered inoperative when not in use.

Provide the engineer, local Police Department(s), County Sheriff's Department, and the State Patrol District Headquarters responsible for that county the current telephone number(s) the contractor or their representative can be contacted at, at all times, in the event a safety hazard develops. Repair, replace, or restore the damaged or disturbed traffic control devices within two hours from the time notified or made aware of the damaged or disturbed traffic control devices.

Do not park or store equipment, vehicles, or construction materials within 10 feet of the edge of the traffic lane of any roadway during non-working hours.

Utilize two-way radios, and/or additional flag persons, within lane closure areas and at public road intersections, in order to positively direct, control, and safeguard traffic through the work zone.

An additional flag person is required at all moving construction operations involving milling, paving, and shouldering. The additional flag person is required to be located at the area of the moving operation to guide traffic around the equipment and personnel working at the moving operation.

Promptly replace all state owned signs that are removed by the contractor due to interference with construction operations. At no time may stop signs be removed or moved without flag persons present.

ncr-643-005 (20160406)

15. Temporary Portable Rumble Strips, Item 643.0310.S.

A Description

This special provision describes providing, relocating, maintaining, and removing temporary portable rumble strips.

B Materials

Furnish RoadQuake2 or Roadquake2F temporary portable rumble strips, by Plastic Safety Systems. Do not use alternate products or methods without preapproval by the Bureau of Traffic Operations.

C Construction

C.1 Placement

Provide rumble strips where the plans show or the engineer directs as follows:

1. Before placing rumble strips, clean the roadway of sand and other materials that may cause slippage.
2. Place one end of the rumble strips 6 inches from the roadway centerline. Extend the strips perpendicular to the direction of travel. Ensure strips lay flat on the roadway surface.
3. Only one series of rumble strips, placed before the first work zone, is required per direction of travel for multiple work zones spaced 1 mile or less apart. Work zones spaced greater than 1 mile apart require a separate series of rumble strips.

C.2 Maintenance

Maintain rumble strips as follows:

1. If rumble strips slide, become out of alignment, or are no longer in the wheel path of approaching vehicles during the work period, thoroughly clean both sides of the rumble strips and reset on a clean roadway.
2. Repair or replace damaged rumble strips immediately.

D Measurement

The department will measure temporary portable rumble strips as a single lump sum unit of work 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
643.0310.S	Temporary Portable Rumble Strips	LS

Payment is full compensation for providing, relocating, maintaining or replacing, and removing temporary portable rumble strips.

stp-643-020 (20161130)

16. Scour Repair – General.

A Description

The work consists of repairing voids due to scour and installing scour countermeasures around substructure units shown on the plans. The work will be done underwater.

Notify the engineer at least 7 business days prior to starting scour repair.

B (Vacant)

C Construction

C.1 Construction Methods

For each substructure unit, perform an initial dive to verify current conditions of streambed/substructure unit and report findings to the engineer. Modifications to the proposed plans may be necessary using the project bid items based on the findings and the modifications shall be mutually agreed upon by the contractor and the engineer prior to starting repair work.

C.2 References and Experience Qualification Record of Underwater Scour Repairs

Submit a reference listing to the department three weeks prior to the preconstruction meeting. The reference listing shall contain a minimum of five successful bridge or dam projects in which similar work was applied in Wisconsin or nearby state within the last three years. Include contact names of responsible persons for the facility owner, their current phone numbers and e-mail addresses, and a brief description of the projects.

C.3 Inspection

Supplement standard spec 105.9 as follows:

Furnish and provide access to the pier sites, provide time in the work schedule for the department's inspector, which may include independent underwater dive inspections, to inspect the prepared concrete surfaces and/or repaired areas. Provide adequate notice to schedule these inspections.

17. Scour Repair Grout, Item SPV.0035.01.

A Description

This work consists of providing all labor, materials and equipment necessary for the installation of grout for scour repair as shown on the plan, given in these special provisions and as directed by the engineer.

B Materials

Furnish grout consisting of a mixture of portland cement, 6 ± 1.5 percent air entrainment by volume, mortar sand aggregate, additives, and water proportioned to provide a pumpable mixture. The 28 day compressive strength shall be as specified on the plans or 3,000 psi minimum whichever is greater. Compressive strength test shall be made using grout cubes or 3"x6" cylinders. Submit the mix design and laboratory test results for approval by the engineer prior to proceeding with the work.

Furnish an anti-washout admixture (AWA) to prevent/decrease the percentage of fines and cement paste washed out prior to setting of the grout. Add the admixture at the manufacturer's recommended rate. Should the AWA negatively affect the ability to pump the grout; use, at the contractor's option, a water-reducing admixture at the manufacturer's recommended rate. Use a water-reducing admixture from the Department's Approved Product List.

C Construction

Repair areas to be filled with grout shall be thoroughly cleaned of loose material before grout placement. Place the grout as shown on the plan and as directed by the engineer. When grout bags are used to seal off a void, install 4-inch minimum diameter vent pipes at 4 feet maximum spacing to allow trapped water in the void to escape while grout is being pumped. Insert the concrete/grout tube delivering the mix to the void so the mix does not free fall. Fill voids using the tremie method. Remove pipes or cut off pipes flush with the bags when complete.

Stop grout operations immediately if turbidity barrier or containment system does not contain grout discharge. Make adjustments to turbidity barrier or containment systems prior to resuming grout operation.

Use a pumping rate of less than 7 yd³/hr when pumping grout into repair areas.

D Measurement

The department will measure Scour Repair Grout by the cubic yard of grout placed, 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.0035.01	Scour Repair Grout	CY

Payment is full compensation for grout, vent tubes, excavation, hauling, disposal, materials, and for installation.

18. Scour Repair Grout Bags, Item SPV.0035.02.

A Description

This work consists of providing all labor, materials and equipment necessary for the installation of grout filled bags for scour protection as shown on the plan, given in these special provisions and as directed by the engineer.

B Materials

Furnish grout consisting of a mixture of portland cement, 6 ± 1.5 percent air entrainment by volume, mortar sand aggregate, additives, and water proportioned to provide a pumpable mixture. The 28 day compressive strength shall be as specified on the plans or 3,000 psi minimum whichever is greater.

Compressive strength test shall be made using grout cubes or 3" x 6" cylinders. Submit the mix design and laboratory test results to the engineer for approval prior to proceeding with the work.

Furnish an anti-washout admixture (AWA) to prevent/decrease the percentage of fines and cement paste washed out prior to setting of the grout. Add the admixture at the manufacturer's recommended rate. Should the AWA negatively affect the ability to pump the grout; use, at the contractor's option, a water-reducing admixture at the manufacturer's recommended rate. Use a water-reducing admixture from the Department's Approved Product List.

Grout bags shall be made of high strength water permeable fabric of nylon and/or polyester. Each bag shall be provided with a self closing inlet valve to accommodate insertion of the grout pumping hose. Seams shall be folded and double stitched. Grout bags shall have length, width, and thickness as defined on the plans. Alternate sizes require approval of the engineer. Submit the grout bag laboratory test results for approval by engineer prior to proceeding with the work.

Grout bag fabric shall meet or exceed the following properties:

Property	Test Method	Units	Specified Minimum
Wide-Width Strip Tensile Strength			
– Machine Direction (MD)	ASTM D 4595	lbf/in	190
– Cross Machine Direction (CD)	ASTM D 4595	lbf/in	140
Trapezoidal Tear Strength –			
– Machine Direction (MD)	ASTM D 4533	lbf	100
– Cross Machine Direction (CD)	ASTM D 4533	lbf	115

Fabric porosity and limited cement lost through fabric is essential to the successful execution of this work. Suitability of fabric and grout design shall be demonstrated by injecting the proposed grout mix into three 24-inch long by approximately 6-inch diameter fabric sleeves under a pressure of not more than 15 psi which shall be maintained for not more than 10 minutes. Test shall be run on the first truck of each day by the State of Wisconsin.

Grout shall be tested by an air content test according to ASTM C231. Grout cubes or 3"x6" cylinders shall be made and tested according to ASTM C1019 or C31 and ASTM C39. The average seven day compressive strength of the grout cubes or 3"x6" cylinders shall be at least 2500 psi. The tests shall be run on the first truck of the day by the State of Wisconsin and the contractor will test each truck thereafter if a 90 minute delay occurs between trucks.

In lieu of the above testing requirements the contractor may submit test results from past successful projects and manufacturers test results to the engineer for approval prior to proceeding with the work.

C Construction

Repair areas to be filled with grout bags shall be thoroughly cleaned of loose material before grout bag placement. Place the grout bags as shown on the plan and as directed by the engineer.

Position and fill bags so that they abut tightly to each other and to the substructure units. Make appropriate allowance for contraction of fabric bag resulting from grout injection. Stagger joints between bags in successive rows and tiers. Temporary or permanent rods, fencing, forms, etc. may be used to hold the bags in place and to maintain the desired final shape. Remove temporary materials after grout has reached self-supporting strength.

Use a pumping rate of less than 7 yd³/hr when pumping grout into the grout bags.

D Measurement

The department will measure Scour Repair Grout Bags by the cubic yard of grout placed in bags, 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.0035.02	Scour Repair Grout Bags	CY

Payment is full compensation for grout bags, excavation, obstruction removal, hauling, disposal, materials, and for installation.

19. Structural Grout, Item SPV.0035.04.

A Description

This special provision describes the placement of grout for the encasement of the existing piers.

B Materials

Furnish non-shrink grout proportioned to provide a pumpable mixture, consisting of 846 lb/yd³ of Type II Portland Cement, minimum 6 percent air entrainment by volume, fine aggregate, water and an anti-washout admixture (AWA). The AWA shall be added to the grout at the manufacturer's recommended dosage rate. The 28 day compressive strength shall be 3,500 psi minimum. Compressive strength test shall be made using 3"x6" cylinders.

Provide the department with the structural grout proportioning mix design for review. Base the mix design on past successful experiences. Submit, if requested by the department, previous record, test results and data to demonstrate the resulting grout will meet, with all respects, the quality and properties required by these specifications. As work progresses, report modification to the mix design to the engineer with an explanation and reasons detailing the changes.

Provide on-site QMP for structural grout as specified in standard spec part 7 and according to ASTM C231 during all phases of production and placement. Perform a minimum of 1 test per substructure unit and a minimum of one test per day during production.

C Construction

Place the grout underwater in the prepared vinyl sheet piling forms as shown on the plan and as directed by the engineer. Place the grout carefully in its final position using a pump and grout tube. Accomplish this by either placing the grout layers deep enough to accommodate satisfactory grout tube operation, while ensuring that the previous layer does not take initial set by pouring at a rate sufficient to raise the grout level between 1 ½ to 2 feet per hour; or by placing the grout full depth in one continuous operation and completing the work to grade progressively from one end of the enclosure to the other.

Ensure a continuous uninterrupted flow until the work is complete. Exercise special care not to disturb grout deposited underwater and to maintain still water at the deposit point.

D Measurement

The department will measure Structural Grout by the cubic yard, batched and acceptably placed and completed within the forms. No allowance for waste will be measured for payment.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.05	Structural Grout	CY

Payment is full compensation for furnishing and preparing all materials, for pumping and placing the structural grout in the forms and for providing quality control.

20. Preparation and Anchorage for Vinyl Sheet Piling, Item SPV.0060.01.

A Description

This special provision describes preparing the ground surface at the bottom of the pier encapsulation areas and providing grout filled bags to anchor the stay-in-place vinyl sheet piling vertically and horizontally.

B Materials

Furnish structural grout according to article 19, part B. The average seven day compressive strength of the 3"x6" cylinders shall be at least 2500 psi. Tests will be conducted on the first batch of grout for the day by the engineer and on each batch thereafter if a 90 minute delay occurs between batches.

Furnish grout bags made of high strength water permeable fabric of nylon and/or polyester. Each bag shall have a self-closing inlet valve to accommodate insertion of the grout pumping hose. Seams shall be folded and double stitched. Grout bags shall have length, width, and height as defined on the plans. Alternate sizes require approval of the engineer. Submit the grout bag laboratory test results for approval by engineer prior to proceeding with the work.

Certify that the grout bag fabric meets or exceeds the following properties:

Property	Test Method	Units	Specified Minimum
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Wide-Width Strip Tensile Strength – Machine Direction (MD) – Cross Machine Direction (CD)	ASTM D 4595 ASTM D 4595	lbf/in lbf/in	190 140
Trapezoidal Tear Strength – – Machine Direction (MD) – Cross Machine Direction (CD)	ASTM D 4533 ASTM D 4533	lbf lbf	100 115

Fabric porosity and limited cement lost through fabric is essential to the successful execution of this work. Demonstrate the suitability of fabric and grout design by injecting the proposed grout mix into three 24-inch long by approximately 6-inch diameter fabric sleeves under a pressure of up to 15 psi and maintain for up to 10 minutes. Test will be run on the first batch of each day by the engineer.

C Construction

Work shall be done underwater. Perform all work inside the limits of the turbidity barrier perimeter.

D Measurement

The department will measure Preparation and Anchorage for Vinyl Sheet Piling by the unit for each prepared pier foundation, 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	Preparation and Anchorage for Vinyl Sheet Piling	EACH

Payment is full compensation for preparing and leveling the ground surface under the piers and for furnishing and installing grout bags.

21. Strip Seal Gland Replacement, Item SPV.0060.02.

A Description

This special provision describes removing and replacing the strip seal gland according to standard spec 502, as shown on the plans, and as hereinafter provided.

B Materials

Provide a minimum polychloroprene strip seal thickness of ¼-inch for non-reinforced elastomeric glands and 1/8-inch for reinforced glands. Furnish the strip seal gland in lengths suitable for a continuous one-piece installation at each individual expansion joint location. Provide preformed polychloroprene strip seals that conform to the requirements ASTM D3542, and have the following physical properties:

Property Requirements	Value	Test Method
Tensile Strength, min.	2000 psi	ASTM D412
Elongation @ Break, min	250%	ASTM D412
Hardness, Type A, Durometer	60 ± 5 pts.	ASTM D2240
Compression Set, 70 hours @212°F, max.	35%	D395 Method B Modified
Ozone Resistance, after 70 hrs. at 100°F under 20% Strain with 100 pphm ozone	No Cracks	ASTM D1149 Method A
Mass Change in Oil 3 after 70 hr. 212°F	45%	ASTM D471
Mass Change, max.		

The manufacturer and model number shall be one of the following approved strip seal expansion device products and shall be compatible with existing extrusion:

Model Number Strip Seal Gland Size*

Manufacturer	4-Inch	5-Inch	6-Inch
D.S. Brown	SSA2-A2R-400	SSA2-A2R-XTRA	SSA2-A2R-XTRA
R.J. Watson	RJA-RJ400	RJA-RJ500	RJA-RJ600
Watson Bowman	A-SE400	A-SE500	A-SE800
Commercial Fabricators	A-AS400	----	----

*Expansion device strip seal gland size shall match existing.

Furnish manufacturer's certification for production of polychloroprene represented showing test results for the cured material supplied, and certifying that it meets all specified requirements.

Furnish manufacturer's certifications for adhesive attesting the materials meet the specification requirements.

C Construction

Install the elastomeric strip seal gland with tools recommended by the manufacturer, and with a lubricant adhesive conforming to the requirements of ASTM D4070.

D Measurement

The department will measure Strip Seal Gland Replacement as each individual strip seal gland replacement, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.02	Strip Seal Gland Replacement	EACH

Payment is full compensation for removing existing strip seal, furnishing and replacing the new strip seal gland, and for furnishing and performing all cleaning.

22. Removing and Reinstalling Guardrail, Item SPV.0105.01.

A Description

This special provision describes removing and reinstalling the existing thrie beam guardrail located at the northwest bridge wing of B-43-0023 along USH 8.

B Materials

Salvage existing materials. If any materials are damaged by the contractor's actions replace with equivalent new materials conforming to standard spec 614.

C Construction

Carefully remove the rails, posts and hardware, and stockpile to prevent damage. Remove only those portions of the thrie beam installation that conflict with wingwall construction. Reinstall to match the existing lines and grades of the guardrail.

D Measurement

The department will measure Removing and Reinstalling Guardrail completed according to the contract and accepted, as a single complete lump sum unit of work.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.01	Removing and Reinstalling Guardrail	LS

Payment is full compensation for removing, stockpiling, and reinstalling beam guardrail.

**23. Underwater Excavation for Structures, (B-63-0017), Item SPV.0105.02;
Underwater Excavation for Structures, (B-26-0671), Item SPV.0105.03.**

A Description

This special provision describes removing and disposing of underwater materials and any other debris that conflicts with or could damage the installation of items necessary for repair, as shown on the plans, as specified and as directed by the engineer. Notify the engineer at least 7 business days prior to starting excavation.

B (Vacant)

C Construction

For each substructure unit, perform initial underwater dive as outlined in article "Scour Repair - General".

Excavate material of whatever nature encountered as directed by the engineer. Remove logs, stumps and other materials and obstructions necessary under and around structure that conflicts with or could damage the placement of specified materials.

Dispose of stones, broken rock and boulders as specified in standard spec 205.3.11. Dispose of surplus or unsuitable material as specified in standard spec 205.3.12. No underwater disposal is allowed.

D Measurement

The department will measure Underwater Excavation for Structures, (Structure) completed according to the contract and accepted, as a single complete lump sum unit of work.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.02	Underwater Excavation for Structures, (B-63-0017)	LS
SPV.0105.03	Underwater Excavation for Structures, (B-26-0671)	LS

Payment is full compensation for removing and disposing of all excavation, including excavation for silt, loose materials and materials that conflict with or could damage items used in repairs.

24. Underwater Concrete Surface Repair, Item SPV.0165.01.

A Description

This special provision describes placement of a rapid strength gain, single component, permanent concrete repair material intended for underwater application by hand or trowel. Areas designated for repair will include pier areas with exposed reinforcement steel. The intent of this item is to cover and protect exposed reinforcement steel.

B Materials

Furnish concrete repair material allowing for small volume hand placements with minimal underwater washout. Application thickness may range from one-half inch (13 mm) to several inches in a single installation, providing corrosion protection of steel reinforcement with migrating corrosion inhibitor technology and very low chloride ion permeability.

Provide pre-packaged cement-based mortar suitable for hand placement underwater requiring only the addition of potable water. The material shall not contain any chlorides or lime other than amounts contained within the hydraulic cement composition. The manufacturer shall be ISO 9001 certified and have at least ten years' experience in the manufacture of concrete repair materials. The manufacturer shall offer technical services and provide a representative at the jobsite for product training prior to product installation upon five days advance notice.

The concrete repair material shall meet all the following typical performance criteria when cured at 73°F (23°C):

1. Compressive Strength, ASTM C 109
 - 3 Hours 3,000 psi (20.7 MPa)
 - 1 Day 4,000 psi (27.6 MPa)
 - 7 Days 5,000 psi (34.5 MPa)
 - 28 Days 5,500 psi (37. MPa)
2. Underwater Bond Strength, ASTM C 882
 - 7 Days 1,150 psi (7.9 MPa)
3. Coefficient of Thermal Expansion
ASTM C 531 5.0 x 10⁻⁶ in/in/°F
(9.0 x 10⁻⁶ mm/mm/°C)

Submit to the engineer for approval of concrete repair material at least three weeks prior to construction. All requests for approval shall contain certified test data verifying conformance with this specification.

C Construction

C.1 Surface Preparation

Completely remove all loose, delaminated and weak concrete in areas designated by the engineer. All concrete surfaces designated for repair shall be free of marine growth, laitance, and other contaminants. A perimeter edge and minimum depth of ½ inch (13 mm) is required without featheredging.

C2. Mixing

Mix thoroughly with a drill and paddle mixer to a uniform consistency. Start by adding the minimum amount of potable water followed by repair material and mix for two to three minutes. Adjust consistency as necessary. Do not mix more material than can be placed in 10 minutes.

C3. Placement Procedures

Repair surfaces shall be between 45°F and 90°F (7°C and 32°C) at time of placement.

Firmly work concrete repair material into concrete surfaces with a trowel or by hand, taking care not to leave air pockets. Application is from one side of the repair to the other, filling the repair to the desired level. Finish smooth by hand troweling.

C4. Special Conditions

For use in cold temperatures, concrete repair materials must be maintained at a temperature of at least 45°F (7°C). Protect from freezing until a compressive strength of 1,000 psi (6.9 MPa) is obtained. In hot temperatures, concrete repair materials should be kept as cool as possible, but not exceeding 90°F (32°C). Cold water should be used for mixing to help maintain sufficient working time.

D Measurement

The department will measure Underwater Concrete Surface Repair 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	Underwater Concrete Surface Repair	SF

Payment is full compensation for preparation and cleaning to include removing deteriorated concrete, placing underwater concrete surface repair materials, and for disposing of waste materials.

25. Piling Vinyl Sheet Permanent Delivered and Installed, Item SPV.0165.02.

A Description

This special provision describes designing, providing and installing permanent vinyl sheet piling.

B Materials

Furnish flat vinyl sheet piling in 2 foot panel widths and a minimum section modulus of 20.5 in³/ft. Provide a color similar to concrete, either off white or light gray. Provide rounded or angled forms for the ends of the pier. Furnish manufacturer data sheets indicating compliance to these requirements to the engineer.

Provide a sheet piling design for each pier a minimum of two weeks before sheet piling installation. Have a professional engineer, registered in the state of Wisconsin and knowledgeable of the specific site conditions and requirements, verify the adequacy of the design. Submit one copy of each sheet piling design, signed and sealed by the same professional engineer verifying the design, to the engineer for incorporation into the permanent project record.

C Construction

Install the vinyl sheet piling at the required locations according to the design developed for the pier and as detailed in the plan.

Install the vinyl sheet piling forms true to line and grade, structural grout tight, and provide the necessary rigidity and support for the loads without appreciable settlement or deformation.

Leave the vinyl sheet piling in place after completion of the project. Remove any walers or other support anchors required to stabilize the vinyl sheet piling during grout placement.

D Measurement

The department will measure Piling Vinyl Sheet Permanent Delivered and Installed by the square foot, acceptably completed. The department will measure the area of exposed face from the bottom of the anchorage for the sheet piling (grout bags) to the top limit of the vinyl sheet piling as shown on the plans. Areas will be determined from measurements taken in the plane of the exposed face of the vinyl sheeting. The department will make no allowance for overlap of the vinyl sheet piling.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.02	Piling Vinyl Sheet Permanent Delivered and Installed	SF

Payment is full compensation for designing and providing vinyl sheet piling; for providing a signed and sealed copy of the design; for installing and supporting the sheeting at each location.

26. Preparation of Pier Surfaces, Item SPV.0165.03.

A Description

This special provision describes preparing the pier surfaces by removing the loose concrete, preparing/cleaning the existing underwater concrete pier surfaces, and preparing/cleaning existing pier reinforcing steel and steel piling.

B (Vacant)

C Construction

Work shall be done underwater and inside the limits of the turbidity barrier perimeter. Submit to the department details showing the methods of preparation and cleaning to be used. Remove loose or deteriorated concrete within the limits of grout placement as shown on the plans. Saw cuts will not be required. Use equipment designed for underwater use. For removal of deteriorated concrete, use chipping hammers that weigh no more than 20 pounds and are equipped with flat, chisel-type points with a cutting edge not less than ¾ inch or greater than 3 inches wide. Water jetting to a maximum 3,200 psi will be allowed. Notify the engineer if concrete removals appear excessive. Remove and dispose of concrete pieces larger than 5 inches. Concrete pieces 5 inches and smaller may be deposited in the trenches excavated adjacent to each pier as shown on the plans.

Preserve and utilize the existing reinforcing steel, clean, realign, and retie, as the engineer considers necessary. If section loss to existing reinforcing steel is determined to be greater than 50% of the bar cross sectional area, place and install new reinforcing steel as directed by the engineer. New reinforcing steel will be paid for under a separate contract bid item.

Preserve and utilize the existing steel piling and clean as the engineer considers necessary.

Provide the department five working days' notice of the anticipated completion of the preparation work at each pier in order to schedule an independent underwater inspection. If the inspection reveals additional preparation work is required, complete the work, and an additional underwater inspection may be scheduled.

D Measurement

The department will measure Preparation of Pier Surfaces 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.0165.03	Preparation of Pier Surfaces	SF

Payment is full compensation for removing loose concrete; for collecting and properly disposing of removed concrete pieces larger than 5 inches; for preparing and cleaning concrete surfaces; for preparing and cleaning reinforcing steel and piling; and for furnishing all underwater equipment.

27. Welded Wire Fabric 6x6 D4/D4 (Grade 60), Item SPV.0165.04.

A Description

This special provision describes furnishing and placing welded wire fabric according to the pertinent requirements of standard spec standard spec 505 and as hereinafter provided.

B Materials

Furnish welded wire fabric 6x6 D4/D4 (Grade 60) conforming to standard spec 505.2.5.

C Construction

Conform to standard spec 505.3.

D Measurement

The department will measure Welded Wire Fabric 6x6 D4/D4 (Grade 60) 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.0165.04	Welded Wire Fabric 6x6 D4/D4 (Grade 60)	SF

Payment is full compensation for providing, transporting, and placing fabric including supports.

ADDITIONAL SPECIAL PROVISION 4

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 may also withhold routine 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.

Release of Routine Retainage

After granting substantial completion the department may reduce the routine retainage withheld from the prime contractor to 75 percent of the original total amount retained.

When the Department sends the semi-final estimate the department may reduce the routine retainage withheld from the prime contractor to 10 percent of the original total amount retained.

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 and that no routine retainage is being withheld. The department will pay the prime contractor in full and reduce the routine retainage withheld from the prime contractor to zero when the department approves the final estimate.

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.

ADDITIONAL SPECIAL PROVISION 6

ASP 6 - Modifications to the standard specifications

Make the following revisions to the standard specifications:

107.17.1 General

Replace paragraph seven with the following effective with the December 2018 letting:

- (7) Have a professional engineer registered in the state of Wisconsin sign and seal the shop drawings. At least 30 calendar days before starting falsework, form, or shoring construction; submit a PDF file of shop drawings to the railroad's chief engineering officer and to the engineer. The engineer and the railroad may review the shop drawings. If the engineer or the railroad finds the shop drawings unsatisfactory, the contractor shall make the required changes. A satisfactory shop drawing review does not relieve the contractor of responsibility and liability for the structural integrity and proper functioning of the falsework, forms, or shoring.
-

109.1.1 General

Replace the entire text with the following effective with the January 2019 letting:

- (1) The engineer will use the US standard system to measure all work completed under the contract. The engineer will determine quantities of materials the contractor furnishes and work the contractor performs using measurement methods and computations conforming to standard engineering practice, modified to meet department requirements. The engineer will document these measurements using department procedures.
 - (2) The engineer will measure the work as the contract measurement subsection for individual items specifies. The department will measure the actual quantities of work the contractor acceptably completes and make final payment based on those actual measured quantities except as follows:
 1. If the measurement subsection for a bid item specifically restricts the quantity measured for payment or allows for use of conversion factors.
 2. If the engineer executes a contract change order modifying the method of measurement for specific bid items, the engineer will measure the quantities of applicable bid items for payment using the change order methods.
 3. If the engineer, under 105.3.1(2), approves a contractor-requested plan dimension change between US standard and SI metric dimensions, the engineer will measure whichever of the following is less:
 - Actual quantities constructed.
 - Quantities derived from the original plan dimensions.
 4. For substitutions made under 106.2.3 between US standard and SI metric products, the engineer will measure the actual quantities of the substitute products using the original contract measuring system.
-

305.2.1 General

Replace paragraph two with the following effective with the December 2018 letting:

- (2) Where the contract specifies or allows 1 1/4-inch base, do not place reclaimed asphalt, reprocessed material, or blended materials below virgin aggregate materials unless the contract specifies or the engineer allows in writing. The department will allow virgin aggregate above reclaimed asphalt, reprocessed material, or blended materials in shoulder areas adjacent to concrete pavement.
-

420.3.2.1 General

Replace paragraph one with the following effective with the December 2018 letting:

- (1) Use self-propelled grinding machines with depth, grade, and slope controls designed for grinding and texturing concrete. Equip grinding machines with diamond blades and a vacuuming system capable of removing liquid and solid residue from the ground surface. Shroud the machine to prevent discharging loosened material into adjacent work areas or live traffic lanes. Provide the specified effective wheelbase, defined as the center of the front to center of the rear main support wheels.

420.3.2.2 Continuous Grinding

Replace paragraph one with the following effective with the December 2018 letting:

- (1) Under the Continuous Diamond Grinding Concrete Pavement bid item, ensure that the grinding machine, including the grinding head, weighs 35,000 pounds or more, will grind a strip at least 4 feet wide, and has an effective wheel base of 25 feet or more. For pavements with a design speed less than 40 miles per hour and areas difficult to access, the contractor may use equipment with an effective wheel base of 12 feet or more.
-

450.3.2.8 Jointing

Replace paragraphs three through five with the following effective with the December 2018 letting:

- (3) Construct notched wedge longitudinal joints for mainline paving if the pavement thickness conforms to the minimums specified in 460.3.2, unless the engineer directs or allows an alternate joint. Construct the wedge using a slope no steeper than 3:1. Extend the wedge 12 inches beyond the normal lane width, or as the engineer directs. Ensure that the wedge for all layers directly overlaps and slopes in the same direction.
 - (4) Locate the joint at the pavement centerline for 2-lane roadways, or at lane lines if the roadway has more than 2 lanes. Construct a vertical notch 1/2-inch to 3/4-inch high on the centerline or lane line at the top of each wedge. Place a 1/2-inch to 3/4-inch notch at the outside bottom edge of the wedge after compacting each layer. Align the finished longitudinal joint line of the upper layer with the centerline or lane line.
 - (5) Construct the wedge for each layer using an engineer-approved strike-off device that will provide a uniform slope and will not restrict the main screed. Shape and compact the wedge with a weighted steel side roller wheel the same width as the wedge. Apply a tack coat to the wedge surface and both notches before placing the adjacent lane.
-

455.2.4.3 Emulsified Asphalts

Replace paragraph two with the following effective with the December 2018 letting:

- (2) The bill of lading for emulsified asphalts shall indicate the asphalt content of the original emulsion and dilution rate of the additional water added to the original emulsion. If undiluted samples are not available, test the diluted material and modify AASHTO M140, M208, or M316 to reflect properties resulting from dilution of the asphalt.
-

460.2.8.3.1.4 Department Verification Testing Requirements

Replace paragraph three with the following effective with the December 2018 letting:

- (3) The department will perform testing conforming to the following standards:
 - Bulk specific gravity (G_{mb}) of the compacted mixture according to AASHTO T166.
 - Maximum specific gravity (G_{mm}) according to AASHTO T209.
 - Air voids (V_a) by calculation according to AASHTO T269.
 - VMA by calculation according to AASHTO R35.
 - Asphalt content by ignition oven according to AASHTO T308 as modified in CMM 8-36.6.3.6, chemical extraction according to AASHTO T-164, or Asphalt Analyzer™ according to manufacturer recommendations.
-

460.2.8.3.1.6 Acceptable Verification Parameters

Replace paragraph one with the following effective with the December 2018 letting:

- (1) The engineer will provide test results to the contractor within 2 mixture-production days after obtaining the sample. The quality of the product is acceptably verified if it meets the following limits:
 - V_a is within a range of 2.0 to 4.3 percent. For SMA, V_a is within a range of 2.7 to 5.3 percent.
 - VMA is within minus 0.5 of the minimum requirement for the mix design nominal maximum aggregate size.
 - Asphalt content is within minus 0.3 percent of the JMF.

460.2.8.3.1.7 Dispute Resolution

Replace paragraph one with the following effective with the December 2018 letting:

- (1) When QV test results do not meet the specified limits for 100 percent pay, the bureau's AASHTO accredited laboratory and certified personnel will referee test the retained portion of the QV sample and the retained portion of the required forward and backward QC retained samples according to CMM 8-36.

460.5.2.1 General

Replace paragraphs five and six with the following effective with the December 2018 letting:

- (5) The department will reduce pay for nonconforming QMP HMA mixtures as specified in 460.2.8.2.1.7, starting from the stop point to the point when the running average of 4 is back inside the warning limits. The engineer will determine the quantity of material subject to pay reduction based on the testing data and an inspection of the completed pavement. The department will reduce pay as follows:

PAYMENT FOR MIXTURE^{[1] [2] [3]}

ITEM	PRODUCED WITHIN WARNING BANDS	PRODUCED OUTSIDE JMF LIMITS
Gradation	90%	75%
Asphalt Content ^[4]	—	—
Air Voids	70%	50%
VMA	90%	75%

^[1] For projects or plants where the total production of each mixture design requires less than 4 tests refer to CMM 8-36.

^[2] Payment is in percent of the contract unit price for the HMA Pavement bid item. The department will reduce pay based on the nonconforming property with lowest percent pay. If the quantity of material subject to pay adjustment based on the running average of 4 is also subject to pay adjustment resulting from dispute resolution in accordance with 460.2.8.3.1.7, the department will apply the single pay adjustment resulting in the lowest percent pay.

^[3] In addition to any pay adjustment listed in the table above, the department will adjust pay for nonconforming binder under the Nonconforming QMP Asphaltic Material administrative item. The department will deduct 25 percent of the contract unit price of the HMA Pavement bid item per ton of pavement placed with nonconforming PG binder the engineer allows to remain in place.

^[4] The department will not adjust pay based on a running average of 4 asphalt content tests; however, corrective action will be applied to nonconforming material according to 460.2.8.2.1.7.

- (6) If during a QV dispute resolution investigation the department discovers unacceptable mixture defined by one or more of the following:

- Va greater than 5.0 or less than 1.5.
- VMA more than 1.0 below the minimum allowed in table 460-1.
- AC more than 0.5 % below the JMF target.

Remove and replace the material, or if the engineer allows the mixture to remain in place, the department will pay for the quantity of affected material at 50 percent of the contract price.

506.3.2 Shop Drawings

Replace paragraph four with the following effective with the December 2018 letting:

- (4) Ensure that the fabricator submits a PDF file of shop drawings for railroad structures to the railroad company's chief engineering officer upon contract completion.

646.3.1.2 Liquid Marking

Replace paragraph five with the following effective with the January 2019 letting:

- (5) Apply liquid marking and glass beads across the line at or exceeding the following:

LIQUID MARKING	PAVEMENT TYPE	THICKNESS (mils)	BEAD APPLICATION (pounds per gallon)
Paint	all	16	8
Epoxy	SMA, seal coats, and polymer overlays	25	25
Epoxy	all other	20	22.5
Wet Reflective Epoxy	all	20	18

646.3.2.3.2 Wet Reflective Epoxy

Replace paragraph five with the following effective with the January 2019 letting:

- (1) Apply wet reflective epoxy binder in a grooved slot. and provide a double drop bead system as follows:
 - First: wet reflective/recoverable elements at the application rate specified for the product chosen from the department's APL.
 - Second: glass beads at the application rate specified in 646.3.1.2(5).

650.3.1 General

Replace the entire text with the following effective with the December 2018 letting:

- (1) Department and contractor responsibilities for construction staking are specified in 105.6. Conform to 105.6 and the additional requirements specified here in 650.3 for the individual contractor-staking bid items the contract includes.
- (2) Protect and preserve known property and survey marks and land monuments as specified in 107.11.3. The contract may require related work under the 621 bid items.
- (3) Obtain or calculate benchmark data, grades, and alignment from plan information. The engineer will furnish data for the horizontal and vertical control points, control point ties, horizontal alignments, profiles, and elevations. Reestablish, set additional, and maintain the horizontal and vertical control points and control point ties, as needed for bid items.
- (4) Check horizontal and vertical information including but not limited to alignments, locations, elevations, and dimensions, that either the plans show or the engineer provides, for compatibility with existing field conditions. Conduct similar compatibility checks and accuracy checks of horizontal and vertical positions either the department or the contractor establishes in the field.
- (5) Perform survey work using conventional methods, or AMG methods capable of achieving the lines and grades the plans show for the work in question. Establish additional benchmarks and control points as necessary to support the method of operation.

650.3.1.1 Staking

- (1) Furnish, set, reference, and maintain stakes and markings necessary to establish the alignment, location, benchmarks, elevations, and continuous profile-grades for road and structure work as needed for bid items. Supervise and coordinate construction staking.
- (2) Maintain neat, orderly, and complete survey notes, drawings, and computations used in establishing the lines and grades. Make the survey notes and computations available to the engineer within 24 hours, upon request, as the work progresses.
- (3) Furnish surveying equipment, stakes, flags, pins, lath, whiskers, and other materials necessary to perform this work, subject to the engineer's approval.

650.3.1.2 Automated Machine Guidance**650.3.1.2.1 General**

- (1) The contractor may substitute AMG for conventional staking on all or part of the work under the individual staking bid items. Coordinate with the engineer throughout the course of construction to ensure that work performed using AMG conforms to the contract tolerances and that the methods employed conform to the contractor's AMG work plan and accepted industry standards. Revert to conventional staking methods for all or part of the work at any point during construction if AMG is producing unacceptable results.

650.3.1.2.2 AMG Work Plan

- (1) Submit a comprehensive written AMG work plan for department review at least 5 business days before the preconstruction conference. In that plan discuss how AMG technology will be integrated into other

technologies employed on the project. List the staking bid items that will have work performed using AMG and, for each bid item listed, include the following:

1. Designate which portions of the contract will be done using AMG and which portions will be done using conventional staking.
 2. Designate a single staff person as the primary contact for AMG technology issues.
 3. List and map the primary and secondary control points required under 105.6.2 enveloping the site.
 4. Describe the contractor's quality control procedures. Include the frequency and type of checks performed to ensure that the work conforms to the contract plans.
- (2) The engineer will review the plan to determine if it conforms to the contract. Do not perform AMG work until the engineer approves the governing portion of the AMG workplan. Perform the work as the contractor's AMG work plan provides. Update the plan as necessary.

650.3.1.2.3 Geometric and Surface Information

650.3.1.2.3.1 Department Responsibilities

- (1) At any time after the contract is awarded the contractor may request the contractor data packet. The department will provide the packet within 5 business days of receiving the contractor's request.

650.3.1.2.3.2 Contractor Responsibilities

- (1) Develop and maintain a contractor construction model for areas of the project employing AMG. Confirm that the resulting model agrees with the contract plans.
- (2) If the engineer requests, provide the construction model to the department in LandXML or other engineer-approved format.

650.3.1.2.4 Managing and Updating Information

- (1) Notify the department of any errors or discrepancies in department-provided information. The department will determine what revisions may be required. The department will revise the contract plans, if necessary, to address errors or discrepancies that the contractor identifies. The department will provide the best available information related to those contract plan revisions.
- (2) Revise the construction model as required to support construction operations and to reflect any contract plan revisions the department makes. Perform checks to confirm that the revised construction model agrees with the contract plan revisions. If the engineer requests, provide construction model updates to the engineer. The department will pay for costs incurred to incorporate contract plan revisions as extra work.

650.3.1.2.5 Construction Checks

- (1) Check the work against the plan elevation at randomly selected points on cross-sections located at stations evenly divisible by 100 at the frequency the engineer approved as a part of the AMG work plan. Submit the results of these random checks to the engineer daily. Notify the engineer immediately if a check exceeds the tolerances specified in 650.3.1.2.6 below.
- (2) Check the work at additional points as the engineer directs. The department may conduct periodic independent checks.

650.3.1.2.6 Construction Tolerances

- (1) Ensure that the finished work vertically matches existing or other completed features. Ensure that the work conforms to revised plan elevations as follows:
- Subgrade : +/- 0.10 feet.
 - Base : within the tolerance specified in 301.3.4.1(2).

650.3.3 Subgrade

Retitle and replace the entire text with the following effective with the December 2018 letting:

650.3.3 Subgrade Staking

- (1) Set construction stakes or marks at intervals of 100 feet, or more frequently, for rural sections and at intervals of 50 feet, or more frequently, for urban sections. Include additional stakes at each cross-section as necessary to match the plan cross-section, achieve the required accuracy, and to support construction operations. Also set and maintain stakes as necessary to establish the horizontal and vertical positions of intersecting road radii, auxiliary lanes, horizontal and vertical curves, and curve

transitions. Locate stakes to within 0.25 feet horizontally and establish the grade elevation to within 0.03 feet vertically.

Errata

520.3.3 Laying Pipe

Correct errata by replacing "sections" with "joints" to clarify the intent that the last 3 joints need ties.

- (5) Provide joint ties on the upstream and downstream ends of circular and horizontal elliptical concrete culvert and concrete cattle pass installations. Tie the next 3 pipe joints or, if using apron endwalls, the endwall joint and the last 2 pipe joints. Ties are not required on culverts with masonry endwalls unless the plans show otherwise.
-

608.3.3 Laying Pipe

Correct errata by replacing "sections" with "joints" to clarify the intent that the last 3 joints need ties.

- (5) Provide joint ties on concrete storm sewer system infall and outfall pipes. Tie the last 3 pipe joints or, if using apron endwalls, the endwall joint and the next 2 pipe joints. Ties are not required on installations with masonry endwalls unless the plans show otherwise.

ADDITIONAL SPECIAL PROVISION 7

- A. Reporting 1st Tier and DBE Payments During Construction
1. Comply with reporting requirements specified in the department's Civil Rights Compliance, Contractor's User Manual, Sublets and Payments.
 2. Report payments to all DBE firms within 10 calendar days of receipt of a progress payment by the department or a contractor for work performed, materials furnished, or materials stockpiled by a DBE firm. Report the payment as specified in A(1) for all work satisfactorily performed and for all materials furnished or stockpiled.
 3. Report payments to all first tier subcontractor relationships within 10 calendar days of receipt of a progress payment by the department for work performed. Report the payment as specified in A(1) for all work satisfactorily performed.
 4. All tiers shall report payments as necessary to comply with the DBE payment requirement as specified in A(2).
 5. 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).
 6. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4) and (5), and shall be binding on all first tier subcontractor relationships and all contractors and subcontractors utilizing DBE firms on the project.
- B. Costs for conforming to this special provision are incidental to the contract.

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

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

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

ADDITIONAL SPECIAL PROVISION 9

Electronic Certified Payroll or Labor Data Submittal

(1) Use the department's Civil Rights Compliance System (CRCS) to electronically submit certified payroll reports for contracts with federal funds and labor data for contracts with state funds only. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at:

<https://wisconsindot.gov/Pages/doing-bus/civil-rights/labornwage/default.aspx>

(2) Ensure that all tiers of subcontractors, including all trucking firms, either submit their weekly certified payroll reports (contracts with federal funds) or labor data (contracts with state funds only) electronically through CRCS. These payrolls or labor data are due within seven calendar days following the close of the payroll period. Every firm providing physical labor towards completing the project is a subcontractor under this special provision.

(3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin their submittals. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Paul Ndon at (414) 438-4584 to schedule the training.

(4) The department will reject all paper submittals for information required under this special provision. All costs for conforming to this special provision are incidental to the contract.

(5) Firms wishing to export payroll/labor data from their computer system into CRCS should have their payroll coordinator contact Paul Ndon at paul.ndon@dot.wi.gov. Not every contractor's payroll system is capable of producing export files. For details, see Section 4.8 CPR Auto Submit (Data Mapping) on pages 49-50; 66-71 of the CRCS Payroll Manual at:

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

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).

Effective August 2015 letting

BUY AMERICA PROVISION

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials 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 this 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. The contractor shall take actions and provide documentation conforming to CMM 2-28.5 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 WS4567, that all steel, iron, and coating processes for steel or iron incorporated into the contract work conform to these "Buy America" provisions. Attach a list of exemptions and their associated costs to the certification form. Department form WS4567 is available at:

<https://wisconsindot.gov/hcciDocs/contracting-info/ws4567.doc>



Proposal Schedule of Items

Page 1 of 5

Proposal ID: 20190312044 Project(s): 1009-44-68

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	203.0200 Removing Old Structure (station) 01. STA 81+30	LS	LUMP SUM	_____.
0004	204.0100 Removing Pavement	430.000 SY	_____.	_____.
0006	204.0115 Removing Asphaltic Surface Butt Joints	392.000 SY	_____.	_____.
0008	204.0150 Removing Curb & Gutter	84.000 LF	_____.	_____.
0010	204.0155 Removing Concrete Sidewalk	42.000 SY	_____.	_____.
0012	206.1000 Excavation for Structures Bridges (structure) 01. B-43-23	LS	LUMP SUM	_____.
0014	210.1500 Backfill Structure Type A	30.000 TON	_____.	_____.
0016	213.0100 Finishing Roadway (project) 01. 1009- 44-68	1.000 EACH	_____.	_____.
0018	305.0110 Base Aggregate Dense 3/4-Inch	159.000 TON	_____.	_____.
0020	415.1410 Concrete Pavement Approach Slab HES	412.000 SY	_____.	_____.
0022	416.0610 Drilled Tie Bars	12.000 EACH	_____.	_____.
0024	465.0105 Asphaltic Surface	44.000 TON	_____.	_____.
0026	502.0100 Concrete Masonry Bridges	2.000 CY	_____.	_____.
0028	502.3210 Pigmented Surface Sealer	4.000 SY	_____.	_____.
0030	502.4204 Adhesive Anchors No. 4 Bar	270.000 EACH	_____.	_____.
0032	502.4205 Adhesive Anchors No. 5 Bar	3.000 EACH	_____.	_____.



Proposal Schedule of Items

Page 2 of 5

Proposal ID: 20190312044 Project(s): 1009-44-68

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
0034	505.0400 Bar Steel Reinforcement HS Structures	562.000 LB	_____.	_____.
0036	505.0600 Bar Steel Reinforcement HS Coated Structures	200.000 LB	_____.	_____.
0038	509.1500 Concrete Surface Repair	95.000 SF	_____.	_____.
0040	601.0405 Concrete Curb & Gutter 18-Inch Type A	20.000 LF	_____.	_____.
0042	601.0409 Concrete Curb & Gutter 30-Inch Type A	84.000 LF	_____.	_____.
0044	602.0405 Concrete Sidewalk 4-Inch	375.000 SF	_____.	_____.
0046	603.8000 Concrete Barrier Temporary Precast Delivered	460.000 LF	_____.	_____.
0048	603.8125 Concrete Barrier Temporary Precast Installed	920.000 LF	_____.	_____.
0050	611.8115 Adjusting Inlet Covers	4.000 EACH	_____.	_____.
0052	612.0406 Pipe Underdrain Wrapped 6-Inch	15.000 LF	_____.	_____.
0054	614.0150 Anchor Assemblies for Steel Plate Beam Guard	1.000 EACH	_____.	_____.
0056	618.0100 Maintenance And Repair of Haul Roads (project) 01. 1009-44-68	1.000 EACH	_____.	_____.
0058	619.1000 Mobilization	1.000 EACH	_____.	_____.
0060	627.0200 Mulching	300.000 SY	_____.	_____.
0062	628.1104 Erosion Bales	200.000 EACH	_____.	_____.



Proposal Schedule of Items

Page 3 of 5

Proposal ID: 20190312044 Project(s): 1009-44-68

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
0064	628.1504 Silt Fence	60.000 LF	_____.	_____.
0066	628.1520 Silt Fence Maintenance	60.000 LF	_____.	_____.
0068	628.1905 Mobilizations Erosion Control	4.000 EACH	_____.	_____.
0070	628.1910 Mobilizations Emergency Erosion Control	4.000 EACH	_____.	_____.
0072	628.2008 Erosion Mat Urban Class I Type B	100.000 SY	_____.	_____.
0074	628.6005 Turbidity Barriers	513.000 SY	_____.	_____.
0076	628.7015 Inlet Protection Type C	4.000 EACH	_____.	_____.
0078	629.0210 Fertilizer Type B	0.280 CWT	_____.	_____.
0080	630.0110 Seeding Mixture No. 10	4.000 LB	_____.	_____.
0082	630.0140 Seeding Mixture No. 40	4.000 LB	_____.	_____.
0084	642.5201 Field Office Type C	1.000 EACH	_____.	_____.
0086	643.0300 Traffic Control Drums	1,584.000 DAY	_____.	_____.
0088	643.0310.S Temporary Portable Rumble Strips	1.000 LS	_____.	_____.
0090	643.0420 Traffic Control Barricades Type III	272.000 DAY	_____.	_____.
0092	643.0500 Traffic Control Flexible Tubular Marker Posts	36.000 EACH	_____.	_____.
0094	643.0600 Traffic Control Flexible Tubular Marker Bases	36.000 EACH	_____.	_____.



Proposal Schedule of Items

Page 4 of 5

Proposal ID: 20190312044 Project(s): 1009-44-68

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
0096	643.0705 Traffic Control Warning Lights Type A	329.000 DAY	_____.	_____.
0098	643.0715 Traffic Control Warning Lights Type C	964.000 DAY	_____.	_____.
0100	643.0800 Traffic Control Arrow Boards	56.000 DAY	_____.	_____.
0102	643.0900 Traffic Control Signs	926.000 DAY	_____.	_____.
0104	643.1050 Traffic Control Signs PCMS	56.000 DAY	_____.	_____.
0106	643.1070 Traffic Control Cones 42-Inch	490.000 DAY	_____.	_____.
0108	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0110	646.1020 Marking Line Epoxy 4-Inch	500.000 LF	_____.	_____.
0112	646.9000 Marking Removal Line 4-Inch	500.000 LF	_____.	_____.
0114	649.0150 Temporary Marking Line Removable Tape 4-Inch	5,000.000 LF	_____.	_____.
0116	661.0100 Temporary Traffic Signals for Bridges (structure) 01. B-43-23	LS	LUMP SUM	_____.
0118	690.0250 Sawing Concrete	346.000 LF	_____.	_____.
0120	715.0502 Incentive Strength Concrete Structures	500.000 DOL	1.00000	500.00
0122	SPV.0035 Special 01. Scour Repair Grout	1.000 CY	_____.	_____.
0124	SPV.0035 Special 02. Scour Repair Grout Bags	54.000 CY	_____.	_____.
0126	SPV.0035 Special 04. Structural Grout	48.000 CY	_____.	_____.



Proposal Schedule of Items

Page 5 of 5

Proposal ID: 20190312044 Project(s): 1009-44-68

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
0128	SPV.0060 Special 01. Preparation and Anchorage for Vinyl Sheet Piling	2.000 EACH	_____.	_____.
0130	SPV.0060 Special 02. Strip Seal Gland Replacement	1.000 EACH	_____.	_____.
0132	SPV.0105 Special 01. Removing and Reinstalling Guardrail	LS	LUMP SUM	_____.
0134	SPV.0105 Special 02. Underwater Excavation for Structures (B-63-17)	LS	LUMP SUM	_____.
0136	SPV.0105 Special 03. Underwater Excavation for Structures (B-26-671)	LS	LUMP SUM	_____.
0138	SPV.0165 Special 01. Underwater Concrete Surface Repair	200.000 SF	_____.	_____.
0140	SPV.0165 Special 02. Piling Vinyl Sheet Permanent Delivered and Installed	1,728.000 SF	_____.	_____.
0142	SPV.0165 Special 03. Preparation of Pier Surfaces	1,728.000 SF	_____.	_____.
0144	SPV.0165 Special 04. Welded Wire Fabric 6x6 D4/D4 (Grade 60)	1,728.000 SF	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

PLEASE ATTACH SCHEDULE OF ITEMS HERE



March 6, 2019

Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631

Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #44: 1009-44-68

**Regionwide Bridge Maintenance
Locations On Stn Per Annual Plan
Various Hwy
North Central Region Wide**

Letting of March 12, 2019

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
20	Preparation and Anchorage for Vinyl Sheet Piling, Item SPV.0060.01

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0115	Removing Asphaltic Surface Butt Joints	SY	392	-98	294
465.0105	Asphaltic Surface	TON	44	-11	33

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
7	B-43-41 Construction Detail (modified limits)
15 – 16	Miscellaneous Quantities (revised quantities)
66	Structure B-63-17 General Plan (revised elevation view note)

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

1009-44-68

March 6, 2019

Special Provisions

20. Preparation and Anchorage for Vinyl Sheet Piling, Item SPV.0060.01

*Replace paragraph two under section titled **E Payment** with the following:*

Payment is full compensation for preparing and leveling the ground surface under the piers. Payment for furnishing and installing grout bags will be made separately.

Schedule of Items

Attached, dated March 6, 2019, are the revised Schedule of Items Page 1.

Plan Sheets

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

Revised: 7, 15, 16, and 66.

END OF ADDENDUM

2-PAV IS REMOVING ASPHALTIC SURFACE BUT JOINTS. PAVE ASPHALT SURFACE TO 2-INCH THICKNESS. MAINTAIN EXISTING CROSS SLOPES.

Addendum No. 01
ID 1009-44-68
Revised Sheet 7
March 6, 2019

REMOVE AND REPLACE CONCRETE SIDEWALK WITH CONCRETE SIDEWALK SUPPORTED ON CURB. PROVIDE 4-INCH SIDEWALK SUPPORTED ON WINGWALL PAVING NOTCH

REMOVE AND REPLACE 20.5" CONCRETE CURB & GUTTER 30-INCH TYPE A

B-43-41

REMOVE AND REPLACE CONCRETE PAVEMENT APPROACH SLAB(S) WITH CONCRETE PAVEMENT APPROACH SLAB TIES

SAWING CONCRETE (TYP)

REMOVE AND REPLACE 20.5" CONCRETE CURB & GUTTER 30-INCH TYPE A

REMOVE AND REPLACE CONCRETE SIDEWALK WITH CONCRETE SIDEWALK (ADJACENT TO WINGWALL) SUPPORTED ON WINGWALL PAVING NOTCH

PLAN - NORTH ABUT. AREA



B-43-41 CONSTRUCTION DETAILS

COUNTY: ONEIDA

HWY: REGIONWIDE BRIDGE MAINTENANCE

PROJECT NO: 1009-44-68

SHEET NO: 7

E

WISDOT/CADD SHEET 42

10/6/2 AM

1/8/2008

\\Madison\WIDOT\170589\cadd\survey\ar\ow\ing\B-43-004 CONST DETAILS.dgn

Addendum No. 01
ID 1009-44-68
Revised Sheet 15
March 6, 2019

CATEGORY	LOCATION	204.0100	204.0115	204.0150	204.0155	690.0250
		REMOVING PAVEMENT SY	REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	REMOVING CONCRETE CURB & GUTTER LF	REMOVING CONCRETE SIDEWALK SF	SAWING CONCRETE LF
0010	B-43-0023 WEST APPROACH	103	98	-	-	21
0010	B-43-0023 EAST APPROACH	103	98	-	-	21
0010	B-43-0041 NORTH APPROACH	112	98	42	22	152
0010	B-43-0041 SOUTH APPROACH	112	98	42	20	152
1009-44-68 TOTAL		430	294	84	42	346

CONCRETE BARRIER TEMPORARY PRECAST SUMMARY

CATEGORY	LOCATION	603.8000	603.8125
0010	B-43-0023 STAGE 1	CONCRETE BARRIER TEMPORARY PRECAST DELIVERED	CONCRETE BARRIER TEMPORARY PRECAST INSTALLED
0010	B-43-0023 STAGE 2	-	-
	1009-44-68 TOTAL	460	920

TRAFFIC CONTROL

CATEGORY	LOCATION	643.0300 TRAFFIC CONTROL DRUMS	643.0310.S TEMPORARY PORTABLE RUMBLE STRIPS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C	643.0800 TRAFFIC CONTROL ARROW BOARDS	643.0900 TRAFFIC CONTROL SIGNS	643.1050 TRAFFIC CONTROL SIGNS PCMS CONES 42-INCH	643.1070 TRAFFIC CONTROL	643.5000 TRAFFIC CONTROL	661.0100 TEMPORARY TRAFFIC SIGNAL FOR BRIDGES
		DAY	LS	DAY	EACH	EACH	DAY	DAY	DAY	DAY	DAY	DAY	EACH	LS
0010	B-26-0671	100	1	20	-	-	-	40	-	100	-	-	-	-
0010	B-63-0017	112	-	28	-	-	112	70	-	140	-	-	-	-
0010	B-43-0023 STAGE 1	196	-	56	-	-	112	112	-	126	-	-	-	0.5
0010	B-43-0023 STAGE 2	182	-	56	-	-	-	224	-	196	-	-	-	0.5
0010	B-43-0041 STAGE 1	546	-	42	19	19	105	280	28	182	28	252	-	-
0010	B-43-0041 STAGE 2	448	-	70	17	17	-	238	28	182	28	238	-	-
1009-44-68 TOTAL		1584	1	272	36	36	329	964	56	926	56	490	1	1

PROJECT NO: 1009-44-68	HWY: REGIONWIDE BRIDGE MAINTENANCE	COUNTY: VARIOUS	MISCELLANEOUS QUANTITIES	SHEET: E
------------------------	------------------------------------	-----------------	--------------------------	----------

PAVEMENT MARKING

CATEGORY	LOCATION	627.0200 MULCHING		628.2008 EROSION MAT		629.0210 FERTILIZER TYPE B	630.0110 SEEDING		630.0140 SEEDING MIXTURE NO. 40	MARKING LINE EPOXY 4-INCH	MARKING REMOVAL LINE 4-INCH	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
		SY	LF	SY	LF		MIXTURE NO. 10	LB				
0010	B-26-0671	100		-		0.07	2		-	250	250	900
0010	B-63-0017	100		-		0.07	-		2	250	250	900
0010	B-43-0023	-		100		0.07	2		-	-	-	1600
0010	B-43-0041	100		-		0.07	-		2	-	-	1600
1009-44-68 TOTAL		300		100		0.28	4		4	500	500	5000

PAVEMENT ITEMS

CATEGORY	LOCATION	415.1410 CONCRETE PAVEMENT APPROACH SLAB HES	416.0610 DRILLED TIE BARS	465.0105 ASPHALTIC SURFACE	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A	602.0405 CONCRETE SIDEWALK 4-INCH
		SY	EACH	TON	LF	LF	SF
0010	B-43-0023 WEST APPROACH	103	12	11	20	-	-
0010	B-43-0023 EAST APPROACH	103	-	11	-	-	-
0010	B-43-0041 NORTH APPROACH	103	-	11	-	42	200
0010	B-43-0041 SOUTH APPROACH	103	-	11	-	42	175
1009-44-68 TOTAL		412	12	33	20	84	375

SPV.0105.01

REMOVING AND REINSTALLING GUARDRAIL

CATEGORY	LOCATION	LS
0010	B-43-0023 WEST APPROACH	1
	1009-44-68 TOTAL	1

1009-44-68 TOTAL

642.5201

FIELD OFFICE TYPE C*

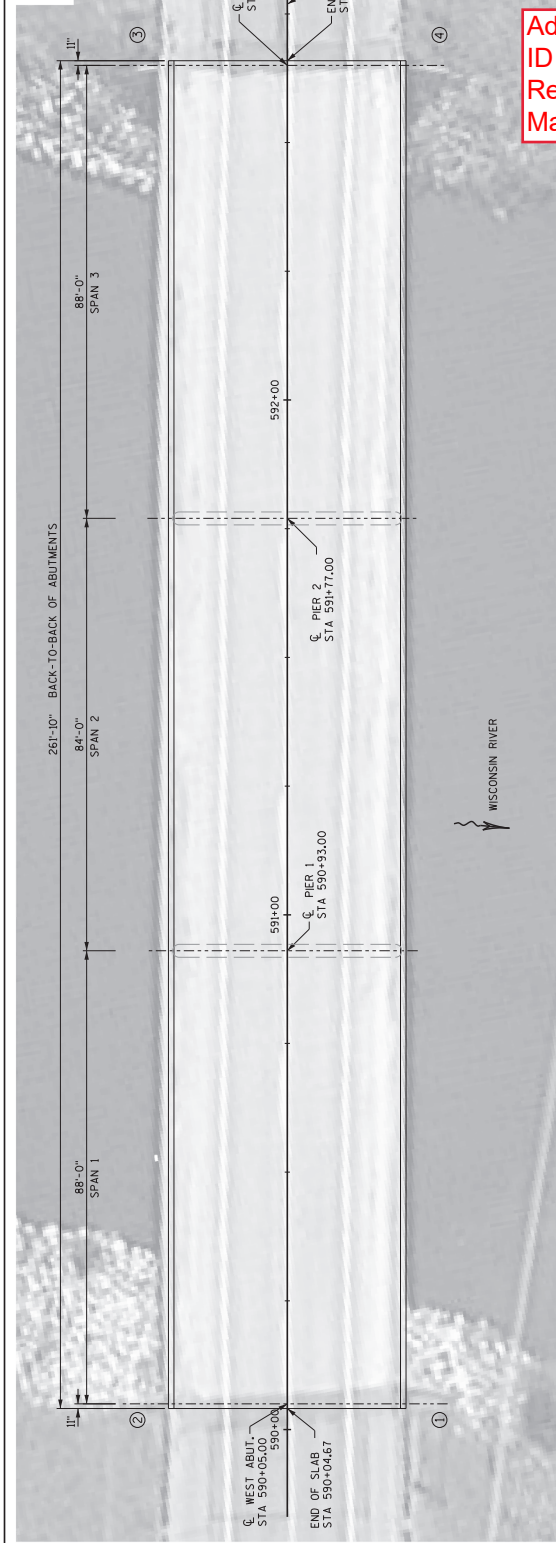
CATEGORY	LOCATION	EACH
0010	B-26-0671	0.25
0010	B-63-0017	0.25
0010	B-43-0023	0.25
0010	B-43-0041	0.25

1009-44-68 TOTAL

*FIELD OFFICE IS PAID AS 1 EACH FOR CONTRACT LOCATED AT 1 LOCATION IN 2019 AND 1 LOCATION IN 2020 AS APPROVED BY ENGINEER

Addendum No. 01
ID 1009-44-68
Revised Sheet 16
March 6, 2019

STATE PROJECT NUMBER
1009-44-68



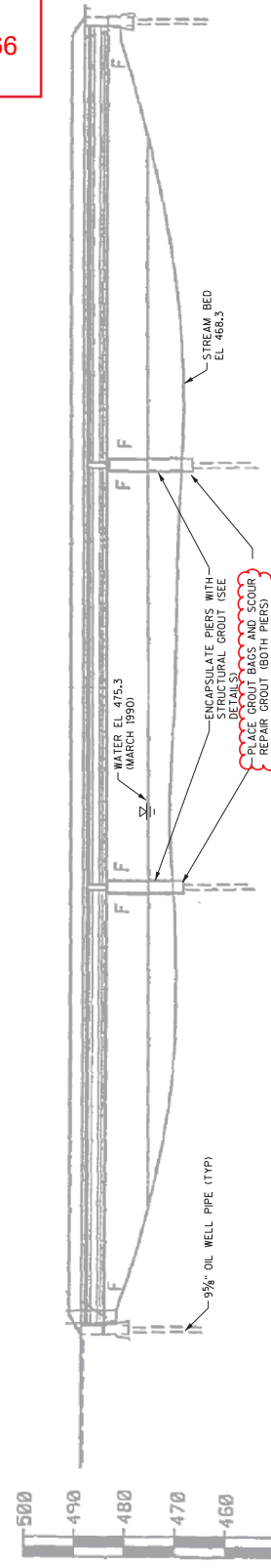
Addendum No. 01
ID 1009-44-68
Revised Sheet 66
March 6, 2019



William C. Durig
03/05/19

PLAN
3 SPAN - 45" PRESTRESSED GIRDERS

⊗ - INDICATES WING NUMBER



GENERAL NOTES
DRAWINGS SHALL NOT BE SCALED.
DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.
SEE TRAFFIC CONTROL PLANS FOR STAGING AND WORK ZONE

DESIGN DATA
MATERIAL PROPERTIES:
CONCRETE MASONRY SUPERSTRUCTURE $f'_c = 4,000$ PSI
ALL OTHER $f'_c = 3,500$ PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 $f_y = 60,000$ PSI
CONCRETE MASONRY GROUT $f'_c = 3,000$ PSI

LIVE LOAD
DESIGN LOAD RATING: HS20
INVENTORY LOAD RATING: HS23 (TAKEN FROM HSI, 9-15-92)
OPERATING LOAD RATING: HS46 (TAKEN FROM HSI, 9-15-92)
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) - 250 KIPS (TAKEN FROM HSI, 9-15-92)

TRAFFIC DATA
A.A.D.T.=6,500 (2012)
A.A.D.T.=9,470 (2023)
R.D.S.=55 MPH

LIST OF DRAWINGS
1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. TYPICAL PIER PHOTOS
4. PIER DETAILS
5. PIER DETAILS

BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608) 266-8489
CONSULTANT CONTACT
DANIEL DURIG
(608) 241-5481

NO.	DATE	REVISION	BY
1	11/20/18	ACCEPTED	WILLIAM C. DURIG
2	11/20/18	DESIGNED	WILLIAM C. DURIG
3	11/20/18	CHECKED	WILLIAM C. DURIG
4	11/20/18	APPROVED	WILLIAM C. DURIG
5	11/20/18	DESIGNED	WILLIAM C. DURIG
6	11/20/18	CHECKED	WILLIAM C. DURIG
7	11/20/18	APPROVED	WILLIAM C. DURIG
8	11/20/18	DESIGNED	WILLIAM C. DURIG

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURE B-63-17
STH TO OVER WISCONSIN RIVER
COUNTY VILAS TOWN/GRANVILLE CLOVERLAND
DESIGN BY VILAS
REVISION N/A
DRAWN BY DCD
CHECKED BAB
DESIGNED DCD
DATE 11/20/18
SHEET 1 OF 5
GENERAL PLAN
66



Proposal Schedule of Items

Page 1 of 5

Proposal ID: 20190312044 Project(s): 1009-44-68

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	203.0200 Removing Old Structure (station) 01. STA 81+30	LS	LUMP SUM	_____.
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0006	204.0115 Removing Asphaltic Surface Butt Joints	294.000 SY	_____.	_____.
0008	204.0150 Removing Curb & Gutter	84.000 LF	_____.	_____.
0010	204.0155 Removing Concrete Sidewalk	42.000 SY	_____.	_____.
0012	206.1000 Excavation for Structures Bridges (structure) 01. B-43-23	LS	LUMP SUM	_____.
0014	210.1500 Backfill Structure Type A	30.000 TON	_____.	_____.
0016	213.0100 Finishing Roadway (project) 01. 1009- 44-68	1.000 EACH	_____.	_____.
0018	305.0110 Base Aggregate Dense 3/4-Inch	159.000 TON	_____.	_____.
0020	415.1410 Concrete Pavement Approach Slab HES	412.000 SY	_____.	_____.
0022	416.0610 Drilled Tie Bars	12.000 EACH	_____.	_____.
0024	465.0105 Asphaltic Surface	33.000 TON	_____.	_____.
0026	502.0100 Concrete Masonry Bridges	2.000 CY	_____.	_____.
0028	502.3210 Pigmented Surface Sealer	4.000 SY	_____.	_____.
0030	502.4204 Adhesive Anchors No. 4 Bar	270.000 EACH	_____.	_____.
0032	502.4205 Adhesive Anchors No. 5 Bar	3.000 EACH	_____.	_____.

