

HIGHWAY WORK PROPOSAL

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

Proposal Number: **030**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Washburn	1197-18-77	N/A	New Auburn - Spooner; Pine Grove Rd To Wildcat Rd (Nb&Sb)	USH 053

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: \$420,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: April 12, 2022 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code
Contract Completion Time September 29, 2023	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: Excavation, Base, Concrete Pavement, HMA Pavement, Asphaltic Surface, Curb and Gutter, Signs, Pavement Marking, Culvert Pipes, Storm Sewer, Fence	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 departments 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)

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

(Signature of Attorney-in-Fact)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

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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STSP'S Revised July 8, 2021

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 1197-18-77, New Auburn – Spooner, Pine Grove Rd to Wildcat Rd (NB & SB), USH 53, Washburn County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2022 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 (20210708)

2. Scope of Work.

The work under this contract shall consist of removing concrete pavement, excavation common, base aggregate dense, concrete pavement, HMA pavement, asphaltic surface, culverts, storm sewer, concrete curb and gutter, rumble strips, marking and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

3. Prosecution and Progress.

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

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

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

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

The Notice to Proceed will be issued such that work and any USH 53 lane closures shall start no earlier than July 11, 2022, unless otherwise approved by the engineer. Year 1 (2022) work is anticipated to be completed by September 30, 2022.

Bi-directional traffic (two-way two-lane operation) on USH 53 will not be implemented until after April 18, 2023.

Schedule of Operations

The plans provide suggested construction stages to complete the work. A different construction staging plan may be implemented if approved by the department.

Year 1 (2022)

- Stage 1B: construct temporary crossovers (Station 3219+00, Station 3417+00, Station 3462+00, and Station 3471+00) in the USH 53 NB and SB median.

Complete temporary crossover construction (Station 3219+00, Station 3417+00, Station 3462+00, and Station 3471+00) in Stage 1B including placement of HMA pavement and temporary asphaltic surface within 45 calendar days from starting the project work in Year 1 (2022).

Winter Shutdown

Winter shutdown will commence with the completion of Stage 1B temporary crossovers (Station 3219+00, Station 3417+00, Station 3462+00, and Station 3471+00) in the USH 53 NB and SB median in the Fall of 2022. Do not resume work until April 18, 2023 unless approved by the engineer. Provide a start date in writing at least 14 days prior to the planned recommencement of work in 2023. Upon approval the engineer will issue the notice to proceed within 10 days of the approved start date.

Year 2 (2023)

- Stage 1A/B: construct temporary widening at CTH D, STH 253, Wildcat Road (Wayside Entrance), and Veterans Way intersections; construct temporary emergency pullouts along USH 53 SB.
- Stage 2: construct USH 53 NB, construct temporary emergency pullouts along USH 53 NB.
- Stage 3: construct USH 53 SB, remove temporary emergency pullouts along USH 53 SB.
- Stage 4A/B: remove temporary crossovers near CTH B and construct USH 53 NB and SB near CTH B, construct any remaining work in the USH 53 median, remove temporary intersection pavements and temporary emergency pull outs along USH 53 NB, and install all marking and finishing items.

Do not implement the width restriction along USH 53 NB and USH 53 SB in Stage 4B for more than 21 calendar days.

USH 53 Interim Lane Closures

Weekend Lane closures will not be allowed on USH 53 during the 2022 construction season. Open all lanes of USH 53 traffic from noon on Friday through 6:00 AM Monday. Payment for the lane closure implementation will be administered under the Traffic Control Interim Lane Closure item.

Lane closures are allowed during weekend periods during the 2023 construction season. Payment for Traffic Control Interim Lane Closure is not applicable during the 2023 construction season.

Temporary Crossovers

Implement the necessary temporary traffic control devices at all four temporary crossovers and place marking at Zimmerman Road as shown in the plan after completion in Year 1 (2022) work shown in Stage 1B.

The temporary crossovers at the south and north project limits will remain in place upon completion of the work under this contract for use under future department contracts. Implement the necessary traffic control devices at both temporary crossovers and place marking at Zimmerman Road as shown in the plan after reopening USH 53 NB and SB to normal traffic in Year 2 (2023) at the end of Stage 4.

Remove the temporary crossovers near CTH B during Stage 4 as shown in the plans.

Interim Completion and Liquidated Damages – Stage 1B Temporary Crossover Construction: 45 Calendar Days

Close the USH 53 passing lanes during temporary crossover construction (Station 3219+00, Station 3417+00, Station 3462+00, and Station 3471+00) for Stage 1B in Year 1 (2022). Complete temporary crossover construction (including placement of HMA pavement and temporary asphaltic surface) within 45 calendar days of starting Year 1 (2022) work.

If the contractor fails to complete construction of the temporary crossovers (including HMA pavement and temporary asphaltic surface) within 45 calendar days of starting work under this contract, the department will assess the contractor \$2,175 in interim liquidated damages for each calendar day a USH 53 lane closure is in place beyond 45 calendar days. An entire calendar day will be charged for any period of time within a calendar day that a lane closure is in place on USH 53 beyond 12:01 AM.

Interim Completion and Liquidated Damages – Stage 4B USH 53 Width Restriction: 21 Calendar Days

At the beginning of Stage 4B, implement a width restriction along USH 53 NB and USH 53 SB for a maximum of 21 calendar days. Do not remove the width restriction until completing the concrete pavement and shouldering to accommodate traffic.

If the contractor fails to complete the work necessary to reopen USH 53 NB and USH 53 SB to traffic within 21 calendar days, the department will assess the contractor \$2,175 in interim liquidated damages for each calendar day the width restriction remains in place beyond 21 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

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

Northern Long-eared Bat (*Myotis septentrionalis*)

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

According to the final 4(d) rule issued for the NLEB, the department has determined that the proposed activity may affect, but will not result in prohibited take of the NLEB. The activity involves tree removal but will not occur within 0.25 miles of a known hibernacula, nor will the activity remove a known maternity roost tree or any other tree within 150 feet of a known maternity roost tree.

If additional trees need to be removed, no Clearing shall occur without prior approval from the engineer, following coordination with the WisDOT REC. Additional tree removal beyond the area originally specified will require consultation with the United States Fish and Wildlife Service (USFWS) and may require a bat presence/absence survey. Notify the engineer if additional Clearing cannot be avoided to begin coordination with the WisDOT REC. The WisDOT REC will initiate consultation with the USFWS and determine if a survey is necessary.

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

Small Animal Protection

Install all silt fence with small animal turnarounds as shown on the plans near Beaver Brook prior to May 19. Monitor the work area for any nesting turtles and remove turtles outside the work area.

No work will be allowed within Beaver Brook.

Erosion Control Implementation Plan (ECIP) Coordination Meetings

Prepare an ECIP amendment detailing an overwinter erosion control plan for 2022/2023 (Year 1). Present this ECIP amendment at the pre-winter shutdown meeting with Wisconsin DNR and the department prior to September 30, 2022, unless otherwise approved by the engineer.

HMA Paving

To accommodate a cold weather paving plan according to standard spec 450.3.2.1.2.3, a quantity of HMA Cold Weather Paving is provided for the permanent HMA pavements to be placed in Stage 4B.

Do not place any permanent HMA Pavement in Year 2 (2023) after September 29, 2023.

Tree Cutting

Supplement standard spec 201.3(4) with the following:

Do not cut or prune any oak trees from April 1 to September 30 in areas of fence replacements.

4. Traffic.

General

Maintain at least one lane of traffic in each direction with a clear width of 16-foot clear at all times except when width restrictions are allowed in Stage 4B.

Manage traffic in each stage as follows unless otherwise approved by the department:

- Stage 1A (Year 2): Close the USH 53 SB driving lane. Maintain a single lane of traffic on the USH SB passing lane and maintain normal traffic along USH 53 NB.
- Stage 1B (Year 1 and Year 2): Close the USH 53 NB and SB passing lanes. Maintain a single lane of traffic on the USH NB and SB driving lanes.
- Stage 2 (Year 2): Utilizing temporary crossovers, maintain bi-directional traffic (two-way two-lane operation) on USH 53 SB.
- Stage 3 (Year 2): Utilizing temporary crossovers, maintain bi-directional traffic (two-way two-lane operation) on USH 53 NB.
- Stage 4A (Year 2): Close the USH 53 NB and SB passing lanes. Maintain a single lane of traffic on the USH NB and SB driving lanes.
- Stage 4B (Year 2): Close the USH 53 NB and SB driving lanes near STH 253 and CTH B. Maintain a single lane of traffic on the USH NB and SB passing lanes. Maintain normal traffic in other areas of the project where no work is occurring.

The CTH B intersection is a turn restricted intersection. Maintain traffic on existing respective roadways with at least one through lane and turn lanes for each direction at all times.

Lane Closures

If discontinuous lane closures are implemented along USH 53 NB and USH 53 SB to accommodate separate work zones, provide a minimum of 2 miles for passing between each individual lane closure otherwise provide one continuous lane closure.

Drop-Off and Hazard Protection

Supplement standard spec 104.6.1.2.3 with the following:

Unless otherwise approved by the engineer, protect drop-offs of over 4-inches with 3:1 aggregate slopes during the Stage 4A/4B mainline paving work near CTH B. Except in the 24 hours before concrete paving of each travel lane, eliminate the vertical drop-off by maintaining the 3:1 aggregate slopes.

Local and Emergency Access

Maintain local and emergency traffic on USH 53 and all side roads at all times. Construct temporary emergency pullouts as shown on the plans during two-lane two-way operations on USH 53 NB and SB.

Side Roads

Except where allowed in these provisions or by the engineer:

- Maintain full access to and from USH 53 at all side roads with the use of flag persons to control traffic as required during working operations within and near the intersections.
- Maintain existing lane configurations on side roads when work is not occurring.
- Utilize paving gaps to maintain access across USH 53 NB and USH 53 SB.

- Maintain side road traffic on a minimum of an aggregate driving surface.
- During holidays and events defined in the Article for Holiday and Special Event Work Restrictions, maintain a paved surface on the side road approach for STH 253.

Restrict Zimmerman Road to right-in/right-out traffic during Stage 1 and Stage 4. Close Zimmerman Road during Stage 2 and Stage 3.

Recreational Trails

Maintain access across USH 53 NB and SB at Trail 4 (Station 3499+10 NB/Station 6499+10 SB) at all times. Utilize paving gaps to maintain access across USH 53 NB and SB.

Do not impede traffic along the parallel Wild Rivers State Trail (WRST). When working in intersections near WRST crossings, provide flag persons to control traffic as required.

Driveways

Maintain access to all private and commercial entrances on a minimum of a base aggregate surface at all times. Construct driveways in stages as required to maintain traffic.

Notify the property owners of the anticipated construction schedule of any driveways at least 10 calendar days prior to reconstruction of driveways. Coordinate daily access with property owners. Utilize paving gaps to maintain access across USH 53 NB and SB.

Portable Changeable Message Signs

Install PCMS approaching the project limits as shown in the plans or as directed by the engineer seven calendar days prior to the beginning of project work.

Coordinate with the engineer three business days prior to deploying or changing a message on a PCMS to obtain approval of the proposed message. The engineer will review the proposed message and either approve the message or make necessary changes.

Wisconsin Lane Closure System Advance Notification

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

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

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

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

Temporary Regulatory Speed Limit Reduction

Establish a statutory 55 mph speed limit zone for USH 53 when there is one lane in each direction. Two lanes open will maintain 65 mph speed limit. There may be different speeds in each direction of travel based on staging plan. Coordinate these statutory 55 speed limit zones with the Department of Transportation, NW Region Traffic Section. Reestablish a 65 mph speed limit zone when all lanes are open.

During engineer-approved regulatory speed limit reductions, install temporary speed limit signs on the inside and outside shoulders of divided roadways to enhance visibility. On two-lane, two-way roadways, install temporary speed limit signs on shoulders. When construction activities impede the location of a post-mounted regulatory speed limit sign, relocate the sign for maximum visibility to motorists. If work lasts less than seven days, mount the regulatory speed limit sign on a portable sign support.

Post temporary regulatory speed limit signs in work zone only during continuous worker activity. During periods of no work activity or when the traffic controls are removed from the roadway, cover or remove the temporary speed limit signs.

5. Holiday and Special Event Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying USH 53 traffic on existing travel lanes or single lane bi-directional traffic (two-way two-lane operation) during Stage 2 and Stage 3. Entirely clear the open 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. Work contained within the closed direction of USH 53 may occur and traffic control devices may remain if the holidays and special event periods occur during Stage 2 or Stage 3 bi-directional traffic conditions (two-way two-lane operation). The holiday and special event periods are as follows:

- From noon Friday, September 2, 2022 to 6:00 AM Tuesday, September 6, 2022 for Labor Day.
- From noon Friday, May 26, 2023 to 6:00 AM Tuesday, May 30, 2023 for Memorial Day;
- From noon Friday, June 30, 2023 to 6:00 AM Monday, July 10, 2023 for Independence Day and Spooner Rodeo;
- From noon Friday, September 1, 2023 to 6:00 AM Tuesday, September 5, 2023 for Labor Day.

6. Utilities.

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

stp-107-065 (20080501)

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

Astrea (communications) has existing underground communication facilities along the left side of USH 53 throughout the project limits.

Arrange for a watch dog to be present during work at the following locations:

- Station 6251+47 SB, LT – culvert maintenance
- Station 6389+00 SB, LT – fencing replacement
- Station 6455+75 SB, LT - fencing replacement
- Station 6474+80 SB, LT – driveway reconstruction
- Station 6485+38 SB, LT - fencing replacement
- Station 6488+00 SB, LT – driveway reconstruction
- Station 6499+17 SB, LT - fencing replacement
- Station 6517+00 SB, LT – culvert maintenance

Barron Electric Cooperative (electricity) has existing overhead electric facilities along the right side of USH 53 NB from the south project limits to approximately Station 3244+20 NB (Station 6244+15 SB) where the facility crosses USH 53 NB and SB. There is an overhead crossing of USH 53 at approximately Station 3217+00 NB (Station 6217+00 SB). No conflicts are anticipated.

Barron Electric Cooperative has existing underground electric facilities along the left side of USH 53 SB from approximately Station 6516+95 SB to Station 6535+70 SB. The underground facilities also cross USH 53 at approximately Station 6217+10 SB (Station 3217+20 NB) and Station 6536+70 SB (Station 3536+15 NB). No conflicts are anticipated.

CINC (communications) has existing underground communication facilities along the south side of CTH B left of USH 53 SB. No conflicts are anticipated.

Dairyland Power Cooperative (electricity) has existing overhead electric facilities diagonally crossing USH 53 from approximately Station 3541+00 NB (Station 6540+50 SB) to Station 3543+50 NB (Station 6543+00 SB). No conflicts are anticipated.

Lumen (communications) has existing underground communications facilities along the left side of USH 53 SB from the south project limits to CTH D and from Klein Street to STH 253. Lumen has existing underground communications facilities along the right side of USH 53 NB from Station 3536+15 NB to Station 3217+40 NB, from Station 3319+00 NB to Boot Lake Road, and from CTH B to Station 3474+70 NB.

The underground communication facilities cross USH 53 at approximately Station 3215+40 NB (Station 6215+20 SB), Station 3274+15 NB (Station 6274+15 SB), Station 3296+85 NB (Station 6296+85 SB), Station 3436+70 NB (Station 6436+80 SB), and Station 3536+10 NB (Station 6535+70 SB).

Lumen will support and protect underground communications facilities at the following locations:

- Station 3274+10 NB (Station 6274+10 SB) LT and RT – roadway, driveway, and intersection construction.
- Station 3296+10 NB (Station 6297+00 SB) LT and RT - roadway and intersection construction.
- Station 3319+00 NB (Station 6317+00 SB) LT and RT - roadway construction.

Siren Communications, Inc. (communications) has existing underground communication facilities along the south side of CTH B left of USH 53 SB. No conflicts are anticipated.

Xcel Energy (electricity) has existing overhead electric facilities along the left side of USH 53 SB from CTH D to Station 6325+85 SB and from CTH B to Station 6477+45 SB. The facilities cross USH 53 at approximately Station 6270+50 SB (Station 3270+65 NB), Station 6322+25 SB (Station 3322+65 NB), Station 6435+25 SB (Station 3435+05 NB), Station 6454+85 SB (Station 3454+90 NB), and Station 6474+90 SB (Station 3474+80 NB). No conflicts are anticipated.

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

The department has obtained a U.S. Army Corps of Engineers Section 404 permit. Comply with the requirements of the permit in addition to requirements of the special provisions. A copy of the permit is available from the regional office by contacting Philip Keppers at (715) 395-3027.

stp-107-054 (20210708)

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

The department has obtained coverage through the Wisconsin Department of Natural Resources to discharge storm water associated with land disturbing construction activities of this contract under the Wisconsin Pollutant Discharge Elimination System General Construction Storm Water Discharge Permit (WPDES Permit No. WI-S066796-1). A certificate of permit coverage is available from the regional office by contacting Philip Keppers at (715) 395-3027. Post the permit in a conspicuous place at the construction site.

stp-107-056 (20180628)

9. 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.

10. Environmental Protection, Aquatic Exotic Species Control.

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

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

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

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

Use the following inspection and removal procedures:

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

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

stp-107-055 (20130615)

11. Erosion Control.

Add the following to standard spec 107.20:

Perform construction operations in a timely and diligent manner, continuing all construction operations methodically from the initial topsoil stripping operation through the subsequent grading and finishing to minimize the period of exposure to erosion.

Replace topsoil on disturbed areas, including spot locations ditch cleaning and culvert repair, immediately after grading is completed within those areas. Complete finishing operations, which includes seed, fertilizer, erosion mat, and any other permanent erosion control measures required, within seven calendar days after the placement of topsoil.

12. Notice to Contractor, Contamination Beyond Construction Limits.

Others have completed testing for soil and ground water contamination for locations within this project where excavation is required. Testing indicated that petroleum-contaminated soil and groundwater are present at the following sites:

1. Station 6270+90 to Station 6271+90 from 0 feet LT to 100 feet LT of the USH 53 SB centerline.

The contaminated soils at the above sites are expected to be beyond the excavation limits necessary to complete the work under this project. Control construction operations at these locations to ensure that they do not extend beyond the excavation limits indicated in the plans. If contaminated soils or groundwater are encountered at these sites or elsewhere on the project during excavation, terminate excavation in the area and notify the engineer.

There is record by others that existing monitoring wells have been covered up within the existing right-of-way and they may be encountered during paving operations at the following approximate locations:

1. Station 3270+50, 22 feet RT of the NB USH 53 centerline.
2. Station 6272+40, 30 feet LT of the SB USH 53 centerline.

If the monitoring wells are encountered, abandon the wells according to standard spec 204 with the pertinent items provided in the plan.

The Hazardous Materials Report is available by contacting: Philip Keppers, (715) 395-3027, Philip.Keppers@dot.wi.gov.

13. Notice to Contractor, Northern Wisconsin Veterans Memorial Cemetery.

The Northern Wisconsin Veterans Memorial Cemetery site is located approximately Station 3526+00 to Station 3548+00, RT adjacent to the USH 53 NB right-of-way. No work will occur outside the right-of-way adjacent to the cemetery.

Do not use the adjacent right-of-way outside the slope intercepts shown on the plan for staging of personnel, equipment and/or supplies, borrow, or waste disposal.

14. Notice to Contractor, Street Lighting.

The department owns street lighting facilities at the CTH B intersection. No impacts are anticipated.

15. Notice to Contractor, Concrete Aggregates.

Supplement standard spec 501.2.5 with the following:

Do not use crushed or recycled concrete pavements for aggregate in concrete pavement items.

16. Notice to Contractor, Pavement Replacement.

The quantities and cross sections demonstrate an estimated maximum of 3-inches of existing base aggregate dense that may be removed during pavement removal operations. Existing aggregates in good condition may remain. Place new base aggregate to achieve the elevations shown on the plan.

17. Construction Over or Adjacent to Navigable Waters.

Beaver Brook is classified as a state navigable waterway under standard spec 107.19.

stp-107-060 (20171130)

18. Coordination with Businesses and Residents.

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

stp-108-060 (20141107)

19. Removing Endwalls, Item 204.9060.S.

A Description

This special provision describes removing Endwalls conforming to standard spec 204.

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Endwalls as each individual unit, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S	Removing Endwalls	EACH

stp-204-025 (20150630)

20. Temporary Emergency Pullouts, Item 205.3000.S.

A Description

This special provision describes grading, furnishing, and placing crushed aggregate base course and signs to construct temporary emergency pullouts. This item also includes the removal of the pullouts including furnishing and placing finishing items as the plans show.

B (Vacant)

C Construction

Dispose of all surplus and unsuitable material as specified in standard spec 205.3.12.

D Measurement

The department will measure Temporary Emergency Pullouts, acceptably completed, by the unit.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
205.3000.S	Temporary Emergency Pullouts	EACH

Payment is full compensation for grading, shaping, and compacting; providing and placing crushed aggregate base course; providing and placing signs; removing as required; and for providing and placing topsoil, fertilizer, seed, and mulch.

stp-205-020 (20080902)

21. QMP HMA Pavement Nuclear Density.

A Description

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

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

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

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

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

B Materials

B.1 Personnel

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

B.2 Testing

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

B.3 Equipment

B.3.1 General

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

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

B.3.2 Comparison of Nuclear Gauges

B.3.2.1 Comparison of QC and QV Nuclear Gauges

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

B.3.2.2 Comparison Monitoring

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

B.4 Quality Control Testing and Documentation

B.4.1 Lot and Sublot Requirements

B.4.1.1 Mainline Traffic Lanes, Shoulders, and Appurtenances

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

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

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

B.4.2 Pavement Density Determination

B.4.2.1 Mainline Traffic Lanes and Appurtenances

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

B.4.2.2 Mainline Shoulders

B.4.2.2.1 Width Greater Than 5 Feet

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

B.4.2.2.2 Width of 5 Feet or Less

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

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

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

B.4.2.4 Documentation

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

B.4.3 Corrective Action

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

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

B.5 Department Testing

B.5.1 Verification Testing

- (1) The department will have a HTCP certified technician, or ACT working under a certified technician, perform verification testing. The department will test randomly at locations independent of the contractor's QC work. The department will perform verification testing at a minimum frequency of 10 percent of the sublots and a minimum of one subplot per mix design. The sublots selected will be within the active work zone. The contractor will supply the necessary traffic control for the department's testing activities.
- (2) The QV tester will test each selected subplot using the same testing requirements and frequencies as the QC tester.
- (3) If the verification subplot average is not more than one percent below the specified minimum target density, use the QC tests for acceptance.
- (4) If the verification subplot average is more than one percent below the specified target density, compare the QC and QV subplot averages. If the QV subplot average is within 1.0 lb/ft³ of the QC subplot average, use the QC tests for acceptance.
- (5) If the first QV/QC subplot average comparison shows a difference of more than 1.0 lb/ft³ each tester will perform an additional set of tests within that subplot. Combine the additional tests with the original set of tests to compute a new subplot average for each tester. If the new QV and QC subplot averages compare to within 1.0 lb/ft³, use the original QC tests for acceptance.
- (6) If the QV and QC subplot averages differ by more than 1.0 lb/ft³ after a second set of tests, resolve the difference with dispute resolution specified in B.6. The engineer will notify the contractor immediately when density deficiencies or testing precision exceeding the allowable differences are observed.

B.5.2 Independent Assurance Testing

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

B.6 Dispute Resolution

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

B.7 Acceptance

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

C (Vacant)

D (Vacant)

E Payment

E.1 QMP Testing

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

E.2 Disincentive for HMA Pavement Density

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

E.3 Incentive for HMA Pavement Density

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

22. Cleaning Culvert Pipes, Item 520.8700.

Supplement standard spec 520.3.6:

Culvert pipes to be cleaned also include cross drains (storm sewer pipes) connected to median inlets at the locations shown on the plans.

23. Seeding.

Add the following to standard spec spec 630.2.1.5.1.1:

Due to a temporary shortage in some fescue species, Table 630-3 may be used for the mixtures provided in the table:

TABLE 630-3 (OPTIONAL SEED MIXTURES)

SPECIES COMMON NAME (Acceptable Varieties)	SPECIES BOTANICAL NAME	PURITY minimum %	GERMINATION minimum %	MIXTURE PROPORTIONS (in percent)			
				NO.10	NO.20	NO.30	NO.40
Kentucky Bluegrass (Low Maintenance)	Poa pratensis	98	85	40	6	10	35
Red Fescue (Creeping)	Festuca rubra	97	85	10	5	15	10
Hard Fescue (Improved)	Festuca ovina var. duriuscula	97	85		24	25	20
Tall Fescue (Improved Turf Type)	Festuca arundinacea	98	85		40		
Salt Grass (Fult's or Salty)	Puccinella distans	98	85			15	
Redtop	Agrostis alba	92	85	5			
Perennial Ryegrass	Lolium perenne	96	85	25	25	25	25
White Clover	Trifolium repens	95	90	10			
Chewings Fescue	Festuca rubra var. commutata	98	85	10		10	10

24. Traffic Control Interim Lane Closure, Item 643.4100.S.

A Description

This special provision describes closing a freeway/expressway traffic lane for construction occurring in Year 1 (2022).

B (Vacant)

C Construction

Install and reposition traffic control devices as required to close a traffic lane. Remove and return the devices to their previous configuration when the closure is no longer required.

D Measurement

The department will measure Traffic Control Interim Lane Closure as each individual reposition/return cycle, acceptably completed. The department will not measure additional moves or configuration changes as might be required solely to accommodate the contractor's operations.

The department will measure the closures by traffic lane and roadway. The department will not measure multiple closures in the same traffic lane on a project.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
643.4100.S	Traffic Control Interim Lane Closure	EACH

Payment is full compensation for closing and re-opening the affected traffic lane.

stp-643-030 (20170615)

25. Joint Ties for Concrete Pipe, Item SPV.0060.01.

A Description

This special provision describes installing joint ties for concrete pipe on existing pipes according to applicable sections of standard spec 520, 522, and 608.

B (Vacant)

C Construction

Excavate and expose the last two joints of the existing concrete pipe to a depth where joint ties for concrete pipe can be installed. Avoid over excavating and undermining the existing pipe. Replace existing pipe to its original location if separation or movement has occurred between pipe segments. Drill holes to insert joint ties if existing holes are not present. Install joint ties on the endwall joint and the next 2 pipe joints.

D Measurement

The department will measure Joint Ties for Concrete Pipe as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Joint Ties for Concrete Pipe	EACH

Payment is full compensation for providing and installing joint ties in existing concrete pipe; drilling holes in existing concrete pipes if necessary; excavation and backfilling; and salvaging and reinstalling existing pipes and endwalls.

The department will pay separately for finishing and erosion control items.

26. Temporary Inlet Covers Type MS, Item SPV.0060.02.

A Description

Work includes installing, maintaining, and removing temporary inlet covers on temporary storm sewer structures to maintain drainage according to standard spec 611, and hereinafter provided.

B Materials

Furnish materials conforming to standard spec 611.2.

C Construction

Install temporary inlet covers according to standard spec 611.3. Maintain temporary inlet covers during construction and remove the temporary inlet cover when no longer needed.

D Measurement

The department will measure Temporary Inlet Covers Type MS as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.02	Temporary Inlet Covers Type MS	EACH

Payment is according to standard spec 611.5.4 including maintenance and removal of temporary inlet covers.

27. Temporary Inlets Median 2 Grate, Item SPV.0060.03.

A Description

Work includes installing, maintaining, and removing temporary inlets to maintain drainage according to standard spec 611, and hereinafter provided.

B Materials

Furnish materials conforming to standard spec 611.2.

C Construction

Install temporary inlets according to standard spec 611.3. Maintain temporary inlets during construction and remove the temporary inlets when no longer needed.

Connect to existing pipes, where required, to maintain drainage.

D Measurement

The department will measure Temporary Inlets Median 2 Grate as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.03	Temporary Inlets Median 2 Grate	EACH

Payment is according to standard spec 611.5.2 including maintenance and removal of temporary inlets.

28. Ditch Cleaning, Item SPV.0090.01.

A Description

This special provision describes minor grading, cleaning, and finishing existing ditch flow lines to restore the conveyance of storm water as shown on the plans, according to the pertinent requirements of the standard specifications, and as hereinafter provided.

B (Vacant)

C Construction

Grade and shape the ditch flow line as necessary to restore and allow unimpeded flow. Grade and trim the lateral areas of disturbance to produce uniform side slope surfaces. Dispose of surplus material according to standard spec 205.3.12.

D Measurement

The department will measure Ditch Cleaning by the linear foot along the centerline of the ditch, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Ditch Cleaning	LF

Payment is full compensation for all excavating, grading, shaping, compacting, and restoring the ditch flow line.

The department will pay separately for finishing and erosion control items.

29. Concrete Curb & Gutter Cure and Seal Treatment, Item SPV.0090.02.

A Description

This work includes treating all newly constructed concrete curb and gutter with a surface cure and seal treatment as shown on plans, and as hereinafter provided.

B Materials

Furnish materials that conform to a clear treating material listed on the current approved WISDOT product list for "Cure and Seal Compounds for Non-Trafficked Surfaces on Structural Masonry".

C Construction

Apply the treating material at the rate as specified in the manufacturer's specifications.

D Measurement

The department will measure the Concrete Curb and Gutter Cure and Seal Treatment by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Concrete Curb & Gutter Cure and Seal Treatment	LF

Payment is full compensation for providing and applying the seal treatment.

30. Temporary Storm Sewer Pipe Class III-A 18-Inch, SPV.0090.03.

A Description

Work includes installing, maintaining, and removing temporary storm sewer to maintain drainage according to standard spec 608, and hereinafter provided.

B Materials

Furnish materials conforming to standard spec 608.2 for Class III-A pipe.

C Construction

Install temporary storm sewer according to standard spec 608.3. Maintain temporary storm sewer during construction and remove the temporary storm sewer when no longer needed.

Connect to existing inlets, where required, to maintain drainage.

D Measurement

The department will measure Temporary Storm Sewer Pipe Class III-A by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.03	Temporary Storm Sewer Pipe Class III-A 18-Inch	LF

Payment is according to standard spec 608.5.2 including maintenance and removal of temporary storm sewer.

31. Concrete Silane Sealer for PCC Saw Cuts, Item SPV.0090.04.

A Description

This work includes treating all newly constructed saw cuts with a surface silane treatment as shown on plans, and as hereinafter provided.

B Materials

Furnish a silane sealer from the department's approved product list for Concrete Protective Surface Treatments.

Apply the treating material at the rate as specified in the manufacturer's specifications.

C Construction

Prior to opening to traffic, clean the saw cut by water blast and air to thoroughly remove cutting residue. When dry, apply the silane treatment to the saw cut faces. Application rates for the treating material shall be according to the manufacturer's specifications.

D Measurement

The department will measure the Concrete Silane Sealer for PCC Saw Cuts by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.04	Concrete Silane Sealer for PCC Saw Cuts	LF

Payment is full compensation for providing and applying Concrete Silane Sealer for PCC Saw Cuts.

ADDITIONAL SPECIAL PROVISION 4

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

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

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

Make the following revisions to the standard specifications:

415.3.16 Tolerance in Pavement Thickness

Replace the entire text with the following effective with the November 2021 letting:

415.3.16.1 General

- (1) Construct the plan thickness or thicker. The department will accept pavement thickness based on the results of department-performed acceptance testing conforming to:

Magnetic Pulse Induction	CMM 870: ASTM E3209 WTM
Probing.....	CMM 870: WTP C-002
Preplacement Measurement	CMM 870: WTP C-003

415.3.16.2 Pavement Units**415.3.16.2.1 Basic Units**

- (1) Basic unit is defined as a slip formed, single lane, with a minimum lane width of 10 feet, measured, from the pavement edge to the adjacent longitudinal joint; from one longitudinal joint to the next; or between pavement edges if there is no longitudinal joint.

415.3.16.2.2 Special Units

- (2) Establish special units for areas of fillets, intersections, gaps, gores, shoulders, ramps, pavement lanes less than 10 feet wide and other areas not included in basic units.

415.3.16.3 Test Plate Locations

- (1) Place department-furnished test plates. Within 5 business days after paving, enter the sequential number and associated position data into MRS available at:

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

- (2) Contractor will maintain plate location markings for 10 business days after paving.

415.3.16.4 Acceptance Testing**415.3.16.4.1 Basic Units****415.3.16.4.1.2 Magnetic Pulse Induction**

- (1) The department will measure thickness within 10 business days of paving. Upon completion of the project thickness testing, the department will provide the test results to the contractor within 5 business days.
- (2) Department will establish a project reference plate at the start of each paving stage. Project reference plate will be measured before each day of testing. Department will notify the contractor of project reference plate locations before testing.
- (3) If the random plate test result falls within 80 to 50 percent pay range specified in 415.5.2, the department will measure the second plate in that unit. The department will notify the contractor immediately if the average of the 6 readings falls within the 80 to 50 percent pay range.
- (4) If an individual random plate test result is more than 1 inch thinner than contract plan thickness, the pavement is unacceptable. Department will determine limits of unacceptable pavement by performing the following:
- The engineer will test each consecutive plate stationed ahead and behind until the thickness test result is plan thickness or greater.
 - The engineer will direct the contractor to core the hardened concrete to determine the extent of the unacceptable area. In each direction, the contractor shall take cores at points approximately 20 feet from the furthest out of specification plate towards the plate that is plan thickness of greater. Once a core is within 80 to 100 percent pay range, the coring is complete and the limits of unacceptable pavement extend from the stationing between the core test results of 80 to 100 percent payment, inclusive of all unacceptable core and plate test results.
 - The contractor shall perform coring according to AASHTO T24. The department will evaluate the results according to AASHTO T148
 - The contractor shall fill core holes with concrete or mortar.

415.3.16.4.2 Special Units**415.3.16.4.2.1 Magnetic Pulse Induction**

- (1) The department will measure thickness within 10 business days of paving. Upon completion of the project thickness testing, the department will provide the test results to the contractor within 5 business days.
- (2) Department will establish a project reference plate at the start of each paving stage. Project reference plate will be measured before each day of testing. Department will notify the contractor of project reference plate locations before testing.
- (3) If the random plate test result falls within 80 to 50 percent pay range specified in 415.5.2, the department will measure the second plate in that unit. The department will notify the contractor immediately if the average of the 6 readings falls within the 80 to 50 percent pay range.
- (4) If an individual random plate test result is more than 1 inch thinner than contract plan thickness, the department will measure the second plate in that unit. If both plates are required to be measured, then all six thickness measurements will be averaged for that unit. If the average of the six measurements is more than 1 inch thinner than contract plan thickness, the pavement is unacceptable.

415.3.16.4.2.2 Probing

- (1) The department will measure slip form special units during concrete placement. Upon completion of the project thickness testing, the department will provide the test results to the contractor within 5 business days.
- (2) Department will probe 2 random locations within the special unit. The average of the two readings will be the reported measurement for the special unit.

415.3.16.4.2.3 Preplacement Measurement

- (1) The department will measure non-slip form special units before concrete placement.
- (2) Thickness corrections will be made to a conforming thickness by reshaping the base aggregate before the pavement is placed.

415.5.2 Adjusting Pay for Thickness

Replace the entire text with the following effective with the November 2021 letting:

- (1) The department will adjust pay for pavement thickness under the Nonconforming Thickness Concrete Pavement administrative item as follows:

FOR PAVEMENT THINNER THAN PLAN THICKNESS BY:	PERCENT OF THE CONTRACT UNIT PRICE
> 1/4 inch but <= 1/2 inch	80
> 1/2 inch but <= 3/4 inch	60
> 3/4 inch but <= 1 inch	50

- (2) When pavement of unacceptable final thickness is determined, as specified in 415.3.16.4, the department will direct the contractor to either:
 1. Remove and replace unacceptable concrete pavement to the nearest joint with new concrete pavement of conforming thickness. The department will pay once for the area at the full contract price.
 2. If the unacceptable pavement is less than 100 LF, the department may allow the concrete to remain in place without payment for the unacceptable area.

460.2.6 Recovered Asphaltic Binders

Replace paragraph two with the following effective with the November 2021 letting:

- (2) The contractor may replace virgin binder with recovered binder up to the maximum percentage allowed under 460.2.5 without further testing. When the design percent asphalt binder replaced exceeds the allowable limits in 460.2.5, the contractor must:
 - Document adjustments made to the mix design in the mix design submittal.
 - Submit test results that indicate the mixture's asphaltic binder meets or exceeds the upper and lower temperature grade requirements the bid item designates.
 - If only one recycled asphaltic material source is used, furnish one of the following:
 - Test results from extracted and recovered binder from the resultant mixture.
 - Blending charts that indicate the resultant mixture's high and low temperature PG as an interpolation of the percent binder replaced between the virgin binder's and the recycled asphaltic material source binder's high and low temperature PG.
 - If two or more recycled asphaltic material sources are used, furnish test results from extracted and

recovered binder from the resultant mixture.

501.2.6 Water

Retitle with the following effective with the November 2021 letting:

501.2.6 Mixing Water

501.2.6.2 Requirements

Replace paragraph two with the following effective with the November 2021 letting:

(2) Water from other sources must comply with the following:

Acidity, maximum of 0.1N NaOH to neutralize 200 mL of water; CMM 870: WTP C-001.....	2 mL
Alkalinity, maximum of 0.1N HCL to neutralize 200 mL of water; CMM 870: WTP C-001.....	15 mL
Maximum sulphate (SO ₄); CMM 870: WTP C-001.....	0.05 percent
Maximum chloride; CMM 870: WTP C-001.....	0.10 percent
Maximum total solids; CMM 870: WTP C-001	
Organic.....	0.04 percent
Inorganic.....	0.15 percent

501.3.2.4.2 Air Entrainment

Replace paragraph two with the following effective with the November 2021 letting:

(2) Test fresh concrete air content according to AASHTO T152 or AASHTO TP118 at the contract-required frequency and as the engineer directs. Test concrete placed by pumping or belting at the point of discharge from the pump line or belt.

501.3.7.1 Slump

Replace paragraph one with the following effective with the November 2021 letting:

- (1) Use a 1-inch to 4-inch slump for concrete used in structures or placed in forms, except as follows:
- Do not exceed a slump of 2 inches for grade E concrete.
 - Increase slump as specified in 502.3.5.3 for concrete placed underwater.
 - If BTS approves a concrete mixture using a superplasticizer, the contractor may increase slump for that mixture to a maximum of 9 inches without exceeding the maximum mix water allowed for that grade.

531.5 Payment

Replace paragraph two with the following effective with the November 2021 letting:

(2) Payment for Concrete Masonry Ancillary Structures Type NS is full compensation for providing concrete for non-standard sign structure foundations; and for anchor rod assemblies. The department will pay separately for excavating and backfilling drilled shafts under the Drilling Shafts bid items.

Replace paragraph five with the following effective with the November 2021 letting:

(5) Payment for the Foundation bid items is full compensation for providing concrete foundations; for anchor rod assemblies; for reinforcing steel; and for embedded conduit and electrical components. The department will pay separately for excavating and backfilling drilled shafts under the Drilling Shafts bid items.

642.2.2.1 General

Replace paragraph one with the following effective with the November 2021 letting:

(1) Provide each field office with two rooms, separated by an interior door with a padlock. Ensure that each room has a separate exterior door and its own air conditioner. Locate the office where a quality internet connection can be achieved. Ensure quality cell phone reception is achievable inside the field office.

701.3.1 General

Replace table 701-1 with the following effective with the November 2021 letting:

TABLE 701-1 TESTING AND CERTIFICATION STANDARDS

TEST	TEST STANDARD	MINIMUM REQUIRED CERTIFICATION (any one of the certifications listed for each test)
Random Sampling	CMM 830.9.2	Transportation Materials Sampling Technician (TMS) TMS Assistant Certified Technician (ACT-TMS) Aggregate Technician I (AGGTEC-I) AGGTEC-I Assistant Certified Technician (ACT-AGG) PCC Technician I (PCCTEC-I) PCCTEC-I Assistant Certified Technician (ACT-PCC) Grading Technician I (GRADINGTEC-I) Grading Assistant Certified Technician (ACT-GRADING)
Sampling Aggregates	AASHTO T2 ^[1] ^[4]	TMS, ACT-TMS, AGGTEC-1, ACT-AGG
Percent passing the No. 200 sieve	AASHTO T11 ^[1]	AGGTEC-I, ACT-AGG
Fine & coarse aggregate gradation	AASHTO T27 ^[1]	
Aggregate moisture content	AASHTO T255 ^[1]	
Fractured faces	ASTM D5821 ^[1]	
Liquid limit	AASHTO T89	
Plasticity index	AASHTO T90 ^[3]	Aggregate Testing for Transportation Systems (ATTS) GRADINGTEC-I, or ACT-GRADING
Sampling freshly mixed concrete	AASHTO R60	PCCTEC-1 ACT-PCC
Air content of fresh concrete	AASHTO T152 ^[2] AASHTO TP118 ^[5]	
Air void system of fresh concrete	AASHTO TP118 ^[5]	
Concrete slump	AASHTO T119 ^[2]	
Concrete temperature	ASTM C1064	
Making and curing concrete specimens	AASHTO T23	
Moist curing for concrete specimens	AASHTO M201	
Concrete compressive strength	AASHTO T22	
Concrete flexural strength	AASHTO T97	
Concrete surface resistivity ^[2]	AASHTO T358	
Voids in aggregate	AASHTO T19	Concrete Strength Tester (CST) CST Assistant Certified Technician (ACT-CST)
Profiling	—	PCCTEC-II PROFILER

^[1] As modified in CMM 860.

^[2] As modified in CMM 870.

^[3] A plasticity check, if required under individual QMP specifications, may be performed by an AGGTEC-I in addition to the certifications listed for liquid limit and plasticity index tests.

^[4] Plant personnel may operate equipment to obtain samples under the direct observation of a TMS or higher.

^[5] Consolidate by rodding.

710.2 Small Quantities

Replace the entire text with the following effective with the November 2021 letting:

- (1) The department defines small quantities as follows:
 - As specified in 715.1.1.2 for class I concrete.
 - Less than 50 cubic yards of class II ancillary concrete placed under a single bid item.
- (2) For contracts with only small quantities of material subject to testing, modify the requirements of 710 as follows:
 1. The contractor may submit an abbreviated quality control plan as allowed in 701.1.2.3.
 2. Provide one of the following for aggregate process control:
 - Documented previous testing dated within 120 calendar days. Provide gradation test results to the engineer before placing material.
 - Non-random start-up gradation testing.

710.4 Concrete Mixes

Replace paragraph two with the following effective with the November 2021 letting:

- (2) At least 7 business days before producing concrete, document that materials conform to 501 unless the engineer allows or individual QMP specifications provide otherwise. Include the following:

1. For mixes: quantities per cubic yard expressed as SSD weights and net water, water to cementitious material ratio, air content, and SAM number.
2. For cementitious materials and admixtures: type, brand, and source.
3. For aggregates: absorption, SSD bulk specific gravity, wear, soundness, freeze thaw test results if required, and air correction factor. Also include aggregate production records dated within 2 years if using those results in the design. Submit component aggregate gradations, aggregate proportions, and target combined blended aggregate gradations using the following:
 - DT2220 for combined aggregate gradations.
 - DT2221 for optimized aggregate gradations.
4. For optimized concrete mixtures:
 - Complete the worksheets within DT2221 according to the directions.
 - Ensure the optimized aggregate gradations and the optimized mix design conform to WisDOT specifications and pass the built-in tests within DT2221.
 - Verify slip-form mixture workability according to AASHTO TP137 and conformance to specifications through required trial batching.
 - Submit the completed DT2221 to the engineer electronically. Include the trial batch test results with the mix design submittal.

Replace paragraph four with the following effective with the November 2021 letting:

- (4) Prepare and submit modifications to a concrete mix to the engineer for approval 3 business days before using that modified mix. Modifications requiring the engineer's approval include changes in:
 1. Source of any material. For paving and barrier mixes, a source change for fly ash of the same class does not constitute a mix design change.
 2. Quantities of cementitious materials.
 3. Addition or deletion of admixtures. Minor admixture dosage adjustments required to maintain air content or slump do not require engineer review or approval.

710.5.5 Strength

Replace paragraph one with the following effective with the November 2021 letting:

- (1) Cast all 6" x 12" cylinders or all 6" x 6" x 21" beams in a set from the same sample. Do not cast more than one set of specimens from a single truckload of concrete. Mark each specimen to identify the lot and subplot or location on the project it represents.

710.5.6 Aggregate Testing

Retitle and replace the entire text with the following effective with the November 2021 letting:

710.5.6 Aggregate Testing During Concrete Production

710.5.6.1 General

- (1) The department will accept gradation based on the results of department-performed acceptance testing.
- (2) The department and contractor will obtain samples using the same method. When belt sampling, contractor personnel shall obtain samples for the department under the direct observation of the department personnel. Contractor will define sampling method in the QMP or abbreviated QMP.

710.5.6.2 Contractor Control Charts

710.5.6.2.1 General

- (1) Test aggregate gradations during concrete production except as allowed for small quantities under 710.2. Required contractor testing will be performed using non-random samples.
- (2) Sample aggregates from either the conveyor belt or from the working face of the stockpiles.
- (3) Sample aggregates within 2 business days before placement for each mix design. Include this gradation on the control charts.
- (4) Report gradation test results and provide control charts to the engineer within 1 business day of obtaining the sample. Submit results to the engineer and electronically into MRS as specified in 701.1.2.7.
- (5) Conduct aggregate testing at the minimum frequency shown based on the anticipated daily cumulative plant production for each mix design. The contractor's concrete production tests can be used for the same mix design on multiple contracts.

TABLE 710-1 CONTRACTOR GRADATION TESTING FREQUENCY - CLASS I

DAILY PLANT PRODUCTION RATE FOR WisDOT WORK	MINIMUM FREQUENCY
Gradation Report Before Placement	
1000 cubic yards or less	one test per day
more than 1000 cubic yards	two tests per day

TABLE 710-2 CONTRACTOR GRADATION TESTING FREQUENCY - CLASS II

MINIMUM FREQUENCY
Gradation Report Before Placement
One test per calendar week of production

710.5.6.2.2 Optimized Aggregate Gradation Control Charts

- (1) Determine the complete gradation using a washed analysis for both fine and coarse aggregates. Report results for the following:
 - 1 1/2", 1", 3/4", 1/2", 3/8", #4, #8, #16, #30, #50, #100, and #200 sieves.
 - Sum of volumetric percentages retained on No. 8, No. 16, and No. 30 sieves.
 - Sum of volumetric percentages retained on No. 30, No. 50, No. 100, and No. 200 sieves.
- (2) Calculate blended aggregate gradations using the mix design batch percentages for the component aggregates. Ensure the blended aggregate gradation conforms to the volumetric percent retained of the optimized aggregate gradation limits specified in table 501-4.
- (3) Throughout the contract, construct a 4-point running average of the volumetric percent retained for each sieve to determine if the blended aggregate gradation is within the tarantula curve limits specified in table 501-4.

710.5.6.2.3 Combined Aggregate Gradation Control Charts

- (1) Determine the complete gradation using a washed analysis for both fine and coarse aggregates. Report results for the 1 1/2", 1", 3/4", 1/2", 3/8", #4, #8, #16, #30, #50, #100, and #200 sieves.
- (2) Calculate blended aggregate gradations using the mix design batch percentages for the component aggregates. Ensure the blended aggregate gradation conforms to the percent passing by weight requirements of the combined aggregate gradation limits specified in table 501-4.
- (3) Throughout the contract, construct a 4-point running average of the percent passing by weight for each sieve to determine if the blended aggregate gradation is within the combined aggregate gradation limits specified in table 501-4.

710.5.6.3 Department Acceptance Testing

- (1) Department testing frequency is based on the quantity of each mix design placed under each individual WisDOT contract.
- (2) The department will split each sample, test for acceptance, and retain the remainder for a minimum of 10 calendar days.
- (3) The department will obtain the sample and deliver to regional testing lab in the same day. Department will report gradation test results to the contractor within 1 business day of being delivered to the lab. Department and contractor can agree to an alternative test result reporting timeframe; alternative timeframe is required to be documented in the QMP.
- (4) Additional samples may be taken at the engineer’s discretion due to change in condition.

TABLE 710-3 DEPARTMENT GRADATION TESTING FREQUENCY

CONCRETE CLASSIFICATION	MINIMUM DEPARTMENT FREQUENCY
Class I: Pavement	1 test per placement day for first 5 days of placement. If all samples are passing, reduced frequency is applied.
	Reduced frequency: 1 test per calendar week of placement
Class I: Structures	1 test per 250 CY placed <ul style="list-style-type: none"> - Minimum of 1 test per substructure - Minimum of 1 test per superstructure

Class I: Cast-in-Place Barrier	1 test per 500 CY placed
Class II	No minimum testing

710.5.7 Corrective Action

Replace the entire text with the following effective with the November 2021 letting:

710.5.7.1 Optimized Aggregate Gradations

- (1) If the contractor's 4-point running average or a department test result of the volumetric percent retained exceeds the tarantula curve limits by less than or equal to 1.0 percent on a single sieve size, do the following:
 1. Notify the other party immediately.
 2. Perform corrective action documented in the QC plan or as the engineer approves.
 3. Document and provide corrective action results to the engineer as soon as they are available.
 4. Department will conduct two tests within the next business day after corrective action is complete.
 5. If blended aggregate gradations are within the tarantula curve limits by the second department test:
 - Continue with concrete production.
 - Contractor will include a break in the 4-point running average.
 - For Class I: Pavements, department will discontinue reduced frequency testing and will test at a frequency of 1 test per placement day. Once 5 consecutive samples are passing at the 1 test per placement day frequency, the reduced frequency testing will be reapplied.
 6. If blended aggregate gradations are not within the tarantula curve limits by the second department test:
 - Provide a new mix design with an increased cementitious content.
 - If the mix design already has a cementitious content of 565 or more pounds per cubic yard, provide a new mix design.
 - If the contract requires optimized aggregate gradations under 501.2.7.4.2.1(2), stop concrete production and submit a new mix design.
- (2) If the contractor's 4-point running average or a department test result of the volumetric percent retained exceeds the tarantula curve limits by more than 1.0 percent on one or more sieves, stop concrete production and submit a new mix design.
- (3) Department and contractor will sample and test aggregate of the new mix design at the frequency defined in 710.5.6.1.

710.5.7.2 Combined Aggregate Gradations

- (1) If the contractor's 4-point running average or a department test result of the percent passing by weight exceeds the combined aggregate gradation limits by less than or equal to 1.0 percent on a single sieve size, do the following:
 1. Notify the other party immediately.
 2. Perform corrective action documented in the QC plan or as the engineer approves.
 3. Document and provide corrective action results to the engineer as soon as they are available.
 4. Department will conduct two tests within the next business day after corrective action is complete.
 5. If blended aggregate gradations are within the combined aggregate gradation limits by the second department test:
 - Continue with concrete production.
 - Contractor will include a break in the 4-point running average.
 - For Class I: Pavements, department will discontinue reduced frequency testing and will test at a frequency of 1 test per placement day. Once 5 consecutive samples are passing at the 1 test per placement day frequency, the reduced frequency testing will be reapplied.
 6. If blended aggregate gradations are not within the combined aggregate gradation limits by the second department test, stop concrete production and submit a new mix design.
- (2) If the contractor's 4-point running average or a department test result of the percent passing by weight exceeds the combined aggregate gradation limits by more than 1.0 percent on one or more sieves, stop concrete production and submit a new mix design.
- (3) Department and contractor will sample and test aggregate of the new mix design at the frequency defined in 710.5.6.1.

715.3.1.1 General

Replace paragraphs three and four with the following effective with the November 2021 letting:

- (3) Cast a set of 3 additional 6"x12" cylinders and test the concrete surface resistivity according to AASHTO T358. Perform this testing at least once per lot if total contract quantities are greater than or equal to the following:
 - 20,000 square yards for pavements.
 - 5,000 linear feet for barriers.
 - 500 cubic yards for structure concrete.

Submit the resistivity to the nearest tenth into MRS for information only. Resistivity testing is not required for the following:

- Lot with less than 3 sublots.
- Concrete items classified as ancillary.
- Concrete placed under the following bid items:
 - Concrete Pavement Approach Slab
 - Concrete Masonry Culverts
 - Concrete Masonry Retaining Walls
- (4) Test the air void system at least once per lot and enter the SAM number in MRS for information only. SAM testing is not required for the following:
 - For lots with less than 3 sublots.
 - High early strength (HES) concrete.
 - Special high early strength (SHES) concrete.
 - Concrete placed under the following bid items:
 - Concrete Pavement Approach Slab
 - Concrete Masonry Culverts
 - Concrete Masonry Retaining Walls
 - Steel Grid Floor Concrete Filled
 - Crash Cushions Permanent
 - Crash Cushions Permanent Low Maintenance
 - Crash Cushions Temporary

715.3.1.2.3 Lots by Cubic Yard

Replace the entire text with the following effective with the November 2021 letting:

- (1) Define standard lots and sublots conforming to the following:

TABLE 715-1 CLASS I - LOT AND SUBLot SIZES

CONCRETE CLASSIFICATION	LOT SIZE	SUBLot SIZE	NUMBER OF SUBLots PER LOT
Class I: Pavement	1250 cubic yards	250 cubic yards	5
Class I: Structures	250 cubic yards	50 cubic yards	5
Class I: Cast-in-Place Barrier	500 cubic yards	100 cubic yards	5

- (2) The contractor may include sublots less than or equal to 25 percent of the standard volume in the previous subplot. For partial sublots exceeding 25 percent of the standard volume, notify the engineer who will direct additional testing to represent that partial subplot.
- (3) An undersized lot is eligible for incentive payment under 715.5 if the lot has 3 or more sublots for that lot.

715.3.2 Strength Evaluation

Replace the entire text with the following effective with the November 2021 letting:

715.3.2.1 General

- (1) The department will make pay adjustments for strength on a lot-by-lot basis using the compressive strength of contractor QC cylinders or the flexural strength of contractor QC beams.

-
- (2) Randomly select 2 QC specimens to test at 28 days for percent within limits (PWL). Compare the strengths of the 2 randomly selected QC specimens and determine the 28-day subplot average strength as follows:
- If the lower strength divided by the higher strength is 0.9 or more, average the 2 QC specimens.
 - If the lower strength divided by the higher strength is less than 0.9, break one additional specimen and average the 2 higher strength specimens.

715.3.2.2 Removal and Replacement

715.3.2.2.1 Pavement

- (1) If a subplot strength is less than 2500 psi in compressive strength or 500 psi in flexural strength, the department may direct the contractor to core that subplot to determine its structural adequacy and whether to direct removal.
- (2) If the engineer directs coring, obtain three cores from the subplot in question. Have an HTCP-certified PCC technician I perform or observe core sampling according to AASHTO T24.
- (3) Have an independent consultant test cores according to AASHTO T24.
- (4) The department will assess concrete for removal and replacement based on a subplot-by-subplot analysis of core strength. Perform coring and testing, fill core holes with an engineer-approved non-shrink grout or concrete, and provide traffic control during coring.
- (5) The subplot pavement is conforming if the compressive strengths of all cores from the subplot are 2500 psi or greater.
- (6) The subplot pavement is nonconforming if the compressive strengths of any core from the subplot is less than 2500 psi. The department may direct removal and replacement or otherwise determine the final disposition of nonconforming material as specified in 106.5.

715.3.2.2.2 Structures and Cast-in-Place Barrier

- (1) The department will evaluate the subplot for possible removal and replacement if the 28-day subplot average compressive strength is lower than $f'c$ minus 500 psi. The value of $f'c$ is the design stress the plans show. The department may assess further strength price reductions or require removal and replacement only after coring the subplot.
- (2) The engineer may initially evaluate the subplot strength using a non-destructive method. Based on the results of non-destructive testing, the department may accept the subplot at the previously determined pay for the lot, or direct the contractor to core the subplot.
- (3) If the engineer directs coring, obtain three cores from the subplot in question. Have an HTCP-certified PCC technician I perform or observe core sampling according to AASHTO T24. Determine core locations, subject to the engineer's approval, that do not interfere with structural steel.
- (4) Have an independent consultant test cores according to AASHTO T24.
- (5) The department will assess concrete for removal and replacement based on a subplot-by-subplot analysis of core strength. Perform coring and testing, fill core holes with an engineer-approved non-shrink grout or concrete, and provide traffic control during coring.
- (6) If the 3-core average is greater than or equal to 85 percent of $f'c$, and no individual core is less than 75 percent of $f'c$, the engineer will accept the subplot at the previously determined pay for the lot. If the 3-core average is less than 85 percent of $f'c$, or an individual core is less than 75 percent of $f'c$, the engineer may require the contractor to remove and replace the subplot. The department may direct removal and replacement or otherwise determine the final disposition of nonconforming material as specified in 106.5.

715.3.3 Aggregate

Replace the entire text with the following effective with the November 2021 letting:

715.3.3.1 General

- (1) Except as allowed for small quantities in 710.2, test aggregate conforming to 710.5.6.

715.3.3.2 Structures

- (1) In addition to the aggregate testing required under 710.5.6, determine the fine and coarse aggregate moisture content for each sample.
- (2) Calculate target batch weights for each mix when production of that mix begins. Whenever the moisture content of the fine or coarse aggregate changes by more than 0.5 percent, adjust the batch weights to maintain the design w/cm ratio.

715.5 Payment

Replace the entire text with the following effective with the November 2021 letting:

715.5.1 General

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

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

- (2) Incentive payment may be more or less than the amount the schedule of items shows.
- (3) The department will administer disincentives for strength under the Disincentive Strength Concrete Structures, Disincentive Strength Concrete Barrier, Disincentive Flexural Strength Concrete Pavement, and Disincentive Compressive Strength Concrete Pavement, administrative items.
- (4) The pay factor that is calculated from the equations in 715.5.2(2) and 715.5.3(2) will be applied to the unit costs listed below:
- Pavement: \$45 per SY.
 - Structure: \$635 per CY.
 - Cast-in-place barrier: \$75 per LF.
- (5) 28-day strength average for a lot is the average of the individual subplot strengths within the given lot.
- (6) The department will not pay a strength incentive for concrete that is nonconforming in another specified property, for ancillary concrete accepted based on tests of class I concrete, or for high early strength concrete unless placed in pavement gaps as allowed under 715.3.1.2.2.
- (7) Submit test results to the department electronically using MRS software. The department will validate contractor data before determining pay adjustments.
- (8) All coring and testing costs under 715.3.2.2 including filling core holes and providing traffic control during coring are incidental to the contract.

715.5.2 Compressive Strength

- (1) The department will measure PWL relative to strength lower specification limits as follows:
- Compressive strength of 3700 psi for pavements.
 - Compressive strength of 4000 psi for structures and cast-in-place barrier.

- (2) The department will adjust pay for each lot using equation "Comp2022" as follows:

Percent within Limits (PWL)	Pay Factor (%)
>= 90 to 100	$(1/5 \times \text{PWL}) + 82$
>= 85 to < 90	100
>= 50 to < 85	$(5/7 \times \text{PWL}) + (275/7)$
< 50	50 ^[1]

^[1] Any material resulting in a lot PWL value less than 50 will be evaluated according to 715.3.2. In the event the material remains in place, it will be paid at 50 percent of the contract unit price of the concrete bid item.

- (3) The department will not pay incentive if the lot standard deviation is greater than the following:
- 400 psi for pavement.
 - 350 psi for structure and cast-in-place barrier
- (4) For lots with less than 3 sublots, there is no incentive but the department will reduce pay by 50 percent of the contract unit price for sublots with an average compressive strength below the following:
- 3700 psi for pavements.
 - 4000 psi for structures and cast-in-place barrier.

715.5.3 Flexural Strength

- (1) The department will measure PWL relative to strength lower specification limits as follows:
- Flexural strength of 650 psi for pavements.

- (2) The department will adjust pay for each lot using equation "Flex2022" as follows:

Percent within Limits (PWL)	Pay Factor (%)
>= 90 to 100	$(2/5 \times \text{PWL}) + 64$
>= 85 to < 90	100

>= 50 to < 85
< 50

$(5/7 \times \text{PWL}) + (275/7)$
 $50^{[1]}$

^[1] Material resulting in a lot PWL value less than 50 will be evaluated according to 715.3.2. In the event the material remains in place, it will be paid at 50 percent of the contract unit price of the concrete bid item.

- (3) The department will not pay incentive if the lot standard deviation is greater than 60 psi.
 - (4) For lots with less than 3 sublots, there is no incentive but the department will reduce pay by 50 percent of the contract unit price for sublots with an average flexural strength below 650 psi.
-

ERRATA**460.2.2.3 Aggregate Gradation Master Range****Correct errata by adding US Standard equivalent sieve sizes.**

- (1) Ensure that the aggregate blend, including recycled material and mineral filler, conforms to the gradation requirements in table 460-1. The values listed are design limits; production values may exceed those limits.

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

SIEVE	PERCENT PASSING DESIGNATED SIEVES							
	NOMINAL SIZE							
	No. 1 (37.5 mm) (1 1/2 inch)	No. 2 (25.0 mm) (1 inch)	No.3 (19.0 mm) (3/4 inch)	No. 4 (12.5 mm) (1/2 inch)	No. 5 (9.5 mm) (3/8 inch)	No. 6 (4.75 mm) (3/16 inch)	SMA No. 4 (12.5 mm) (1/2 inch)	SMA No. 5 (9.5 mm) (3/8 inch)
50.0-mm (2-inch)	100							
37.5-mm (1 1/2-inch)	90 - 100	100						
25.0-mm (1-inch)	90 max	90 - 100	100					
19.0-mm (3/4-inch)	—	90 max	90 - 100	100			100	
12.5-mm (1/2-inch)	—	—	90 max	90 - 100	100		90 - 97	100
9.5-mm (3/8-inch)	—	—	—	90 max	90 - 100	100	58 - 80	90 - 100
4.75-mm (No. 4)	—	—	—	—	90 max	90 - 100	25 - 35	35 - 45
2.36-mm (No. 8)	15 - 41	19 - 45	23 - 49	28 - 58	32 - 67	90 max	15 - 25	18 - 28
1.18-mm (No. 16)	—	—	—	—	—	30 - 55	—	—
0.60-mm (No. 30)	—	—	—	—	—	—	18 max	18 max
0.075-mm (No. 200)	0 - 6.0	1.0 - 7.0	2.0 - 8.0	2.0 - 10.0	2.0 - 10.0	6.0 - 13.0	8.0 - 11.0	8.0 - 12.0
% VMA	11.0 min	12.0 min	13.0 min	14.0 min ^[1]	15.0 min ^[2]	16.0 - 17.5	16.0 min	17.0 min

^[1] 14.5 for LT and MT mixes.

^[2] 15.5 for LT and MT mixes.

715.5.1 General**Correct the bid item number for Incentive Compressive Strength Concrete Pavement.**

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

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

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://wisconsin.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 November 2020 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 DT4567, 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 DT4567 is available at:

<https://wisconsindot.gov/Documents/formdocs/dt4567.docx>



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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	203.0100 Removing Small Pipe Culverts	6.000 EACH	_____.	_____.
0004	204.0100 Removing Concrete Pavement	169,750.000 SY	_____.	_____.
0006	204.0150 Removing Curb & Gutter	870.000 LF	_____.	_____.
0008	204.0170 Removing Fence	5,340.000 LF	_____.	_____.
0010	204.0180 Removing Delineators and Markers	160.000 EACH	_____.	_____.
0012	204.0220 Removing Inlets	6.000 EACH	_____.	_____.
0014	204.0245 Removing Storm Sewer (size) 01. 24-Inch	182.000 LF	_____.	_____.
0016	204.0245 Removing Storm Sewer (size) 02. 30-Inch	74.000 LF	_____.	_____.
0018	204.0265 Abandoning Wells	2.000 EACH	_____.	_____.
0020	204.9060.S Removing (item description) 01. Endwalls	16.000 EACH	_____.	_____.
0022	205.0100 Excavation Common	170,804.000 CY	_____.	_____.
0024	205.3000.S Temporary Emergency Pullouts	10.000 EACH	_____.	_____.
0026	208.0100 Borrow	2,028.000 CY	_____.	_____.
0028	209.1100 Backfill Granular Grade 1	6,236.000 CY	_____.	_____.
0030	213.0100 Finishing Roadway (project) 01. 1197-18-77	1.000 EACH	_____.	_____.
0032	305.0110 Base Aggregate Dense 3/4-Inch	14,100.000 TON	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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	305.0120 Base Aggregate Dense 1 1/4-Inch	165,600.000 TON	_____.	_____.
0036	415.0095 Concrete Pavement 9 1/2-Inch	181,560.000 SY	_____.	_____.
0038	415.0210 Concrete Pavement Gaps	23.000 EACH	_____.	_____.
0040	416.0620 Drilled Dowel Bars	68.000 EACH	_____.	_____.
0042	416.1110 Concrete Shoulder Rumble Strips	54,500.000 LF	_____.	_____.
0044	450.4000 HMA Cold Weather Paving	335.000 TON	_____.	_____.
0046	455.0605 Tack Coat	7,120.000 GAL	_____.	_____.
0048	460.2000 Incentive Density HMA Pavement	17,230.000 DOL	1.00000	17,230.00
0050	460.6224 HMA Pavement 4 MT 58-28 S	17,790.000 TON	_____.	_____.
0052	460.6244 HMA Pavement 4 MT 58-34 S	9,120.000 TON	_____.	_____.
0054	465.0105 Asphaltic Surface	1,240.000 TON	_____.	_____.
0056	465.0120 Asphaltic Surface Driveways and Field Entrances	250.000 TON	_____.	_____.
0058	465.0125 Asphaltic Surface Temporary	5,950.000 TON	_____.	_____.
0060	465.0315 Asphaltic Flumes	108.000 SY	_____.	_____.
0062	465.0400 Asphaltic Shoulder Rumble Strips	56,400.000 LF	_____.	_____.
0064	520.3318 Culvert Pipe Class III-A 18-Inch	76.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0066	520.8000 Concrete Collars for Pipe	6.000 EACH	_____.	_____.
0068	520.8700 Cleaning Culvert Pipes	39.000 EACH	_____.	_____.
0070	521.1518 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	2.000 EACH	_____.	_____.
0072	521.1618 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 10 to 1	4.000 EACH	_____.	_____.
0074	521.3118 Culvert Pipe Corrugated Steel 18-Inch	46.000 LF	_____.	_____.
0076	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch	174.000 LF	_____.	_____.
0078	522.0418 Culvert Pipe Reinforced Concrete Class IV 18-Inch	60.000 LF	_____.	_____.
0080	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	11.000 EACH	_____.	_____.
0082	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	6.000 EACH	_____.	_____.
0084	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	2.000 EACH	_____.	_____.
0086	531.1100 Concrete Masonry Ancillary Structures Type NS	3.800 CY	_____.	_____.
0088	531.1140 Steel Reinforcement HS Ancillary Structures Type NS	424.000 LB	_____.	_____.
0090	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	963.000 LF	_____.	_____.
0092	603.8000 Concrete Barrier Temporary Precast Delivered	3,455.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0094	603.8125 Concrete Barrier Temporary Precast Installed	3,455.000 LF	_____.	_____.
0096	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	324.000 LF	_____.	_____.
0098	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	482.000 LF	_____.	_____.
0100	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	86.000 LF	_____.	_____.
0102	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	16.000 LF	_____.	_____.
0104	611.0430 Reconstructing Inlets	3.000 EACH	_____.	_____.
0106	611.0642 Inlet Covers Type MS	15.000 EACH	_____.	_____.
0108	611.3901 Inlets Median 1 Grate	1.000 EACH	_____.	_____.
0110	611.3902 Inlets Median 2 Grate	7.000 EACH	_____.	_____.
0112	614.0905 Crash Cushions Temporary	4.000 EACH	_____.	_____.
0114	616.0100 Fence Woven Wire (height) 01. 4-FT	5,340.000 LF	_____.	_____.
0116	618.0100 Maintenance And Repair of Haul Roads (project) 01. 1197-18-77	1.000 EACH	_____.	_____.
0118	619.1000 Mobilization	1.000 EACH	_____.	_____.
0120	624.0100 Water	1,500.000 MGAL	_____.	_____.
0122	625.0100 Topsoil	87,140.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0124	627.0200 Mulching	41,970.000 SY	_____.	_____.
0126	628.1104 Erosion Bales	100.000 EACH	_____.	_____.
0128	628.1504 Silt Fence	3,480.000 LF	_____.	_____.
0130	628.1520 Silt Fence Maintenance	3,480.000 LF	_____.	_____.
0132	628.1905 Mobilizations Erosion Control	14.000 EACH	_____.	_____.
0134	628.1910 Mobilizations Emergency Erosion Control	8.000 EACH	_____.	_____.
0136	628.2004 Erosion Mat Class I Type B	48,430.000 SY	_____.	_____.
0138	628.7005 Inlet Protection Type A	54.000 EACH	_____.	_____.
0140	628.7020 Inlet Protection Type D	5.000 EACH	_____.	_____.
0142	628.7504 Temporary Ditch Checks	920.000 LF	_____.	_____.
0144	628.7555 Culvert Pipe Checks	190.000 EACH	_____.	_____.
0146	628.7560 Tracking Pads	8.000 EACH	_____.	_____.
0148	629.0210 Fertilizer Type B	103.000 CWT	_____.	_____.
0150	630.0130 Seeding Mixture No. 30	2,510.000 LB	_____.	_____.
0152	630.0200 Seeding Temporary	660.000 LB	_____.	_____.
0154	630.0500 Seed Water	1,830.000 MGAL	_____.	_____.
0156	631.0300 Sod Water	9.000 MGAL	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0158	631.1100 Sod Erosion Control	400.000 SY	_____.	_____.
0160	633.0100 Delineator Posts Steel	242.000 EACH	_____.	_____.
0162	633.0500 Delineator Reflectors	324.000 EACH	_____.	_____.
0164	633.1100 Delineators Temporary	432.000 EACH	_____.	_____.
0166	633.5200 Markers Culvert End	59.000 EACH	_____.	_____.
0168	633.5350 Markers Permanent Flexible	180.000 EACH	_____.	_____.
0170	634.0616 Posts Wood 4x6-Inch X 16-FT	40.000 EACH	_____.	_____.
0172	634.0618 Posts Wood 4x6-Inch X 18-FT	10.000 EACH	_____.	_____.
0174	635.0200 Sign Supports Structural Steel HS	1,639.000 LB	_____.	_____.
0176	637.1220 Signs Type I Reflective SH	210.000 SF	_____.	_____.
0178	638.2102 Moving Signs Type II	226.000 EACH	_____.	_____.
0180	638.2601 Removing Signs Type I	2.000 EACH	_____.	_____.
0182	638.3100 Removing Structural Steel Sign Supports	4.000 EACH	_____.	_____.
0184	642.5201 Field Office Type C	1.000 EACH	_____.	_____.
0186	643.0300 Traffic Control Drums	168,864.000 DAY	_____.	_____.
0188	643.0420 Traffic Control Barricades Type III	19,502.000 DAY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0190	643.0500 Traffic Control Flexible Tubular Marker Posts	1,950.000 EACH	_____.	_____.
0192	643.0600 Traffic Control Flexible Tubular Marker Bases	1,740.000 EACH	_____.	_____.
0194	643.0705 Traffic Control Warning Lights Type A	25,080.000 DAY	_____.	_____.
0196	643.0715 Traffic Control Warning Lights Type C	6,573.000 DAY	_____.	_____.
0198	643.0800 Traffic Control Arrow Boards	802.000 DAY	_____.	_____.
0200	643.0900 Traffic Control Signs	29,498.000 DAY	_____.	_____.
0202	643.0920 Traffic Control Covering Signs Type II	88.000 EACH	_____.	_____.
0204	643.1000 Traffic Control Signs Fixed Message	49.500 SF	_____.	_____.
0206	643.1051 Traffic Control Signs PCMS with Cellular Communications	429.000 DAY	_____.	_____.
0208	643.4100.S Traffic Control Interim Lane Closure	14.000 EACH	_____.	_____.
0210	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0212	646.1020 Marking Line Epoxy 4-Inch	2,770.000 LF	_____.	_____.
0214	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	121,570.000 LF	_____.	_____.
0216	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	15,780.000 LF	_____.	_____.
0218	646.3020 Marking Line Epoxy 8-Inch	100.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0220	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	5,640.000 LF	_____.	_____.
0222	646.6120 Marking Stop Line Epoxy 18-Inch	190.000 LF	_____.	_____.
0224	646.9000 Marking Removal Line 4-Inch	19,035.000 LF	_____.	_____.
0226	646.9050 Marking Removal Line Grooved Permanent Tape 4-Inch	92.000 LF	_____.	_____.
0228	646.9150 Marking Removal Line Grooved Permanent Tape 8-Inch	1,405.000 LF	_____.	_____.
0230	649.0105 Temporary Marking Line Paint 4-Inch	201,800.000 LF	_____.	_____.
0232	649.0150 Temporary Marking Line Removable Tape 4-Inch	158,100.000 LF	_____.	_____.
0234	649.0205 Temporary Marking Line Paint 8-Inch	1,980.000 LF	_____.	_____.
0236	649.0250 Temporary Marking Line Removable Tape 8-Inch	10,860.000 LF	_____.	_____.
0238	649.0760 Temporary Marking Raised Pavement Marker Type I	800.000 EACH	_____.	_____.
0240	649.0850 Temporary Marking Stop Line Removable Tape 18-Inch	45.000 LF	_____.	_____.
0242	649.0960 Temporary Marking Removable Mask Out Tape 6-Inch	8,820.000 LF	_____.	_____.
0244	649.0970 Temporary Marking Removable Mask Out Tape 10-Inch	5,680.000 LF	_____.	_____.
0246	650.4000 Construction Staking Storm Sewer	18.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0248	650.4500 Construction Staking Subgrade	28,210.000 LF	_____.	_____.
0250	650.5000 Construction Staking Base	28,210.000 LF	_____.	_____.
0252	650.5500 Construction Staking Curb Gutter and Curb & Gutter	963.000 LF	_____.	_____.
0254	650.6000 Construction Staking Pipe Culverts	4.000 EACH	_____.	_____.
0256	650.7000 Construction Staking Concrete Pavement	62,850.000 LF	_____.	_____.
0258	650.9910 Construction Staking Supplemental Control (project) 01. 1197-18-77	LS	LUMP SUM	_____.
0260	650.9920 Construction Staking Slope Stakes	77,700.000 LF	_____.	_____.
0262	690.0150 Sawing Asphalt	32,105.000 LF	_____.	_____.
0264	690.0250 Sawing Concrete	9,550.000 LF	_____.	_____.
0266	715.0715 Incentive Flexural Strength Concrete Pavement	54,470.000 DOL	1.00000	54,470.00
0268	740.0440 Incentive IRI Ride	23,800.000 DOL	1.00000	23,800.00
0270	SPV.0060 Special 01. Joint Ties for Concrete Pipe	192.000 EACH	_____.	_____.
0272	SPV.0060 Special 02. Temporary Inlet Covers Type MS	4.000 EACH	_____.	_____.
0274	SPV.0060 Special 03. Temporary Inlets Median 2 Grate	2.000 EACH	_____.	_____.
0276	SPV.0090 Special 01. Ditch Cleaning	650.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0278	SPV.0090 Special 02. Concrete Curb & Gutter Cure and Seal Treatment	963.000 LF	_____.	_____.
0280	SPV.0090 Special 03. Temporary Storm Sewer Pipe Class III-A 18-Inch	206.000 LF	_____.	_____.
0282	SPV.0090 Special 04. Concrete Silane Sealer for PCC Saw Cuts	160,750.000 LF	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

PLEASE ATTACH ADDENDA HERE



Wisconsin Department of Transportation

March 23, 2022

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 #30: 1197-18-77
New Auburn – Spooner
Pine Grove Rd To Wildcat Rd (Nb&Sb)
USH 53
Washburn County

Letting of April 12, 2022

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

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
625.0100	Topsoil	SY	87,140	-53,265	33,875

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
625.0500	Salvaged Topsoil	SY	0	53,265	53,265

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
177	Reduced Topsoil quantities and added Salvaged Topsoil quantities in the restoration table

Other

- Add ASP-5

Schedule of Items

Attached, dated March 23, 2022, are the revised Schedule of Items Pages 4 and 10.

Plan Sheets

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

Revised: 177.

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

END OF ADDENDUM

ADDITIONAL SPECIAL PROVISIONS 5 FUEL COST ADJUSTMENT

A Description

Fuel Cost Adjustments will be applied to partial and final payments for work items categorized in Section B as a payment to the contractor or a credit to the department. ASP-5 shall not apply to any force account work.

B Categories of Work Items

The following items and Fuel Usage Factors shall be used to determine Fuel Cost Adjustments:

(1) Earthwork.		Unit	Gal. Fuel Per Unit
205.0100	Excavation Common	CY	0.23
205.0200	Excavation Rock	CY	0.39
205.0400	Excavation Marsh	CY	0.29
208.0100	Borrow	CY	0.23
208.1100	Select Borrow	CY	0.23
209.1100	Backfill Granular Grade 1	CY	0.23
209.1500	Backfill Granular Grade 1	Ton	0.115
209.2100	Backfill Granular Grade 2	CY	0.23
209.2500	Backfill Granular Grade 2	Ton	0.115
350.0102	Subbase	CY	0.28
350.0104	Subbase	Ton	0.14
350.0115	Subbase 6-Inch	SY	0.05
350.0120	Subbase 7-Inch	SY	0.05
350.0125	Subbase 8-Inch	SY	0.06
350.0130	Subbase 9-Inch	SY	0.07
350.0135	Subbase 10-Inch	SY	0.08
350.0140	Subbase 11-Inch	SY	0.09
350.0145	Subbase 12-Inch	SY	0.09

C Fuel Index

A Current Fuel Index (CFI) in dollars per gallon will be established by the Department of Transportation for each month. The CFI will be the price of No. 2 fuel oil, as reported in U.S. Oil Week, using the first issue dated that month. The CFI will be the average of prices quoted for Green Bay, Madison, Milwaukee and Minneapolis.

The base Fuel Index (BFI) for this contract is \$3.20 per gallon.

D Computing the Fuel Cost Adjustment

The engineer will compute the ratio CFI/BFI each month. If the ratio falls between 0.85 and 1.15, inclusive, no fuel adjustment will be made for that month. If the ratio is less than 0.85 a credit to the department will be computed. If the ratio is greater than 1.15 additional payment to the contractor will be computed. Credit or additional payment will be computed as follows:

- (1) The engineer will estimate the quantity of work done in that month under each of the contract items categorized in Section B.
- (2) The engineer will compute the gallons of fuel used in that month for each of the contract items categorized in Section B by applying the unit fuel usage factors shown in Section B.
- (3) The engineer will summarize the total gallons (Q) of fuel used in that month for the items categorized in Section B.
- (4) The engineer will determine the Fuel Cost Adjustment credit or payment from the following formula:

$$FA = \frac{CFI}{BFI} - 1 \times Q \times BFI$$

(plus is payment to contractor; minus is credit to the department)

Where	FA	=	Fuel Cost Adjustment (plus or minus)
	CFI	=	Current Fuel Index
	BFI	=	Base Fuel Index
	Q	=	Monthly total gallons of fuel

E Payment

A Fuel Cost Adjustment credit to the department will be deducted as a dollar amount each month from any sums due to the contractor. A Fuel Cost Adjustment payment to the contractor will be made as a dollar amount each month.

Upon completion of the work under the contract, any difference between the estimated quantities and the final quantities will be determined. An average CFI, calculated by averaging the CFI for all months that fuel cost adjustment was applied, will be applied to the quantity differences. The average CFI shall be applied in accordance with the procedure set forth in Section D.

RESTORATION ITEMS

STAGE	STATION	TO	STATION	OFFSET	TOPSOIL SY	SALVAGED TOPSOIL SY	MULCHING SY	EROSION MAT CLASS	TYPE B SY	FERTILIZER TYPE B CWT	SEEDING MIXTURE NO. 30 LB	SEEDING LB	TEMPORARY SEED WATER MGAL
1A	6286+25	-	6273+25	LT	328		328		0.4			18	7
1B	3207+00	-	3207+75	LT	3,610		3,438		2.3			97	40
1B	3207+00	-	3208+00	LT	3,105		2,995		2.1			87	36
1B	3454+50	-	3454+00	LT	3,953		3,953		2.5			107	44
1B	3559+50	-	3582+25	LT	790		790		0.9			41	17
1B	6297+79	-	6273+25	RT	715		715		1.0			41	17
1B	6518+45	-	6531+50	RT	709		709		1.0			44	18
1B	6518+45	-	6531+50	RT	715		715		1.0			44	18
2	3474+00	-	3403+00	LT & RT	16,062		13,023		12		524	216	
2	3474+00	-	3560+00	LT & RT	12,666		9,162		17.8		317	143	
2	3474+00	-	3560+00	LT & RT	5,466		3,607		8.0		113	47	
STAGE 2 TOTALS					18,432		12,789		26		798	460	
3	6230+00	-	6411+00	LT & RT	11,605		8,185		17.5		489	311	
3	6472+00	-	6590+00	LT & RT	7,166		4,946		9.2		262	163	
STAGE 3 TOTALS					18,771		13,131		27		761	474	
4A	3230+00	-	3403+00	LT	799		189		1.0		29	18	
4A	3403+00	-	3474+00	LT	13,661		2,572		11.029		337	210	
4A	3474+00	-	3560+00	LT	342		215		0.8		22	14	
4A	3560+00	-	3582+25	LT	1,816		1,816		1.7		49	31	
4B	6230+00	-	6590+00	LT	688		688		1.7		49	31	
STAGE 4 TOTALS					16,446		4,602		11.844		510	319	
UNDISTRIBUTED					17,458		3,898		20.4		501	361	
TOTALS					33,675		41,970		103.9		2,310	660	

TEMPORARY EMERGENCY PULLOUTS

STAGE	STATION	TO	STATION	OFFSET	TEMPORARY EMERGENCY PULLOUTS EACH	EXCAVATION CONTON CY	BASE AGGREGATE DENSON TON	TEMPORARY TOPSOIL SY	FERTILIZER TONS	SEEDING MIXTURE NO. 30 LB
1B	6249+00	-	6251+25	RT	1	143	286	451	0.3	8.1
1B	6344+50	-	6347+75	RT	1	89	179	301	0.3	7.2
1B	6344+50	-	6347+75	RT	1	89	179	301	0.3	7.2
1B	6475+75	-	6478+00	RT	1	62	125	347	0.2	6.2
1B	6513+50	-	6515+75	RT	1	96	193	395	0.2	7.1
STAGE 1 TOTALS					5	483	967	1,952	1.3	35.8
2	3249+00	-	3251+25	LT	1	57	113	352	0.2	6.3
2	3344+75	-	3347+00	LT	1	32	64	203	0.2	5.3
2	3393+75	-	3396+00	LT	1	68	135	382	0.2	6.5
2	3515+50	-	3517+75	LT	1	39	78	244	0.2	5.1
2	3515+50	-	3517+75	LT	1	97	193	495	0.3	7.3
STAGE 2 TOTALS					5	281	581	1,658	1.1	30.5
TOTALS					10	774	1,548	3,688	2.3	66.4

NOTE: *NONE BID ITEM, ITEMS AND QUANTITIES LISTED FOR BID INFORMATION ONLY. ITEMS INCIDENTAL TO TEMPORARY EMERGENCY PULLOUTS.

EROSION CONTROL ITEMS

STAGE	STATION	TO	STATION	OFFSET	EROSION BALES EACH	SILT FENCE LF	SILT FENCE MAINLF LF	INLET PROTECTION EACH	TEMPORARY DITCH CHECKS LF	CULVERT PIPE EACH	SOD WATER CONTROL MGAL	SOD EROSION CONTROL ST
1A	6286+25	-	6273+25	LT	16	850	850					
1B	3207+00	-	3207+75	LT								
1B	3207+00	-	3208+00	LT								
1B	3454+50	-	3474+00	LT		300	300					
1B	3559+50	-	3584+98	LT		2	2					
1B	6297+79	-	6273+25	RT								
1B	6297+79	-	6316+50	RT								
1B	6518+45	-	6531+50	RT		300	300					
1B	6518+45	-	6534+46	RT								
STAGE 1 TOTALS					16	1,450	1,450	4	252	8		
2	3230+00	-	3403+00	LT & RT	24	1,210	1,210	15	175	14	2.0	88
2	3474+00	-	3560+00	LT & RT	8	210	210		75	24	1.5	66
STAGE 2 TOTALS					8	210	210	23	250	38	3.5	156
3	6230+00	-	6411+00	LT & RT	16	1,140	1,140	1	25	60	1.5	67
3	6472+00	-	6590+00	LT & RT	16	320	320	2	50	14	1.5	60
STAGE 3 TOTALS					16	320	320	3	75	74	3.0	126
4A	3403+00	-	3474+00	LT								
4A	3474+00	-	3474+00	LT								
4B	3403+00	-	3434+00	RT								
4B	3443+02	-	3474+00	RT								
4B	6511+00	-	6535+00	LT								
4B	6444+37	-	6472+00	LT								
STAGE 4 TOTALS												
UNDISTRIBUTED					100	3,480	3,480	54	89	32	1.0	39
TOTALS					60	1,500	1,500	10	1,254	254	3.8	178

Addendum No. 01
ID 1197-18-77
Revised Sheet 177
March 23, 2022

EROSION CONTROL MOBILIZATION

LOCATION	PROJECT	MOBILIZATION EACH	EROSION CONTROL EACH
		14	8
TOTALS		14	8

PROJECT NO: 1197-18-77

HWY: USH 53

COUNTY: WASHBURN

MISCELLANEOUS QUANTITIES

SHEET 177



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0094	603.8125 Concrete Barrier Temporary Precast Installed	3,455.000 LF	_____.	_____.
0096	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	324.000 LF	_____.	_____.
0098	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	482.000 LF	_____.	_____.
0100	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	86.000 LF	_____.	_____.
0102	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	16.000 LF	_____.	_____.
0104	611.0430 Reconstructing Inlets	3.000 EACH	_____.	_____.
0106	611.0642 Inlet Covers Type MS	15.000 EACH	_____.	_____.
0108	611.3901 Inlets Median 1 Grate	1.000 EACH	_____.	_____.
0110	611.3902 Inlets Median 2 Grate	7.000 EACH	_____.	_____.
0112	614.0905 Crash Cushions Temporary	4.000 EACH	_____.	_____.
0114	616.0100 Fence Woven Wire (height) 01. 4-FT	5,340.000 LF	_____.	_____.
0116	618.0100 Maintenance And Repair of Haul Roads (project) 01. 1197-18-77	1.000 EACH	_____.	_____.
0118	619.1000 Mobilization	1.000 EACH	_____.	_____.
0120	624.0100 Water	1,500.000 MGAL	_____.	_____.
0122	625.0100 Topsoil	33,875.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0278	SPV.0090 Special 02. Concrete Curb & Gutter Cure and Seal Treatment	963.000 LF	_____.	_____.
0280	SPV.0090 Special 03. Temporary Storm Sewer Pipe Class III-A 18-Inch	206.000 LF	_____.	_____.
0282	SPV.0090 Special 04. Concrete Silane Sealer for PCC Saw Cuts	160,750.000 LF	_____.	_____.
0284	625.0500 Salvaged Topsoil	53,265.000 SY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.



Wisconsin Department of Transportation

March 28, 2022

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 #30: 1197-18-77
New Auburn – Spooner
Pine Grove Rd To Wildcat Rd (NB&SB)
USH 53
Washburn County

Letting of April 12, 2022

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

Schedule of Items:

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
531.2024	Drilling Shaft 24-Inch	LF	0	31	31

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
179	Added Drilling Shaft 24-Inch quantities in the Type I Signs and Supports table.

Schedule of Items

Attached, dated March 28, 2022, are the revised Schedule of Items Page 10.

Plan Sheets

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

Revised: 179.

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

END OF ADDENDUM

SIGN POSTS

Table with 2 columns: LOCATION, QUANTITY. Includes rows for PROJECT - UNIDISTRIBUTED and TOTALS.

NOTE: UNIDISTRIBUTED QUANTITY INCLUDED FOR DAMAGED POSTS OR LOCATIONS IN WHICH SIGN HEIGHT ADJUSTMENTS REQUIRE A NEW POST.

TYPE I SIGNS AND SUPPORTS

Table with 14 columns: SIGN NUMBER, DIMENSION, SIGN, DESCRIPTION, I-BEAM TYPE, STRUCTURES TYPE, ANCHILLARY, CONCRETE MASONRY, STEEL REINFORCEMENT, DRILLING, SIGN, STRUCTURAL STEELS, SIGNS TYPE I, REMOVING STRUCTURAL STEEL SIGN, SIGN OFFSET FROM EDGELINE. Includes a red circled section for DRILLING.

TEMPORARY BARRIER AND CRASH CUSHIONS

Table with 14 columns: STAGE, STATION, TO, STATION, OFFSET, CONCRETE BARRIER DELIVERED, PRECAST INSTALLED, CRASH CUSHIONS, TEMPORARY, CRASH TEST LEVEL, TRAFFIC DIRECTION, TRAFFIC LOCATION, CRASH CUSHION SHIELDS. Includes sub-totals for STAGE 2 and STAGE 3.

TRAFFIC CONTROL SIGNS FIXED MESSAGE

Table with 4 columns: STAGE, SIGN NUMBER, IN X H, SIGN MESSAGE. Includes rows for 4A & 4B and STAGE 4 TOTAL.

TRAFFIC CONTROL

Large summary table for TRAFFIC CONTROL with multiple columns for various sign types and stages. Includes sub-totals for STAGE 1, STAGE 2, STAGE 3, STAGE 4, and TOTALS.

NOTES: 1) TRAFFIC CONTROL INTERIM LANE CLOSURES ARE ONLY PAID IN YEAR ONE DURING TEMPORARY CROSSOVER CONSTRUCTION IN STAGE 1B. *ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 02 ID 1197-18-77 Revised Sheet 179 March 28, 2022

PROJECT NO: 1197-18-77

HWY: USH 53

COUNTY: WASHBURN

MISCELLANEOUS QUANTITIES

SHEET 179



Proposal Schedule of Items

Proposal ID: 20220412030 Project(s): 1197-18-77

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
0278	SPV.0090 Special 02. Concrete Curb & Gutter Cure and Seal Treatment	963.000 LF	_____.	_____.
0280	SPV.0090 Special 03. Temporary Storm Sewer Pipe Class III-A 18-Inch	206.000 LF	_____.	_____.
0282	SPV.0090 Special 04. Concrete Silane Sealer for PCC Saw Cuts	160,750.000 LF	_____.	_____.
0284	625.0500 Salvaged Topsoil	53,265.000 SY	_____.	_____.
0286	531.2024 Drilling Shaft 24-Inch	31.000 LF	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.