HIGHWAY WORK PROPOSAL

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

Proposal Number: 040

STATE ID	FEDERAL ID	PROJECT DESCRIPTION	HIGHWAY	COUNTY
7720-00-71	N/A	C Arcadia, Main Street, CTH a to 250' W of STH 93	STH 095	Trempealeau
7720-00-81	N/A	C Arcadia, Main Street, CTH a to 250' W of STH 93	STH 095	Trempealeau

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

Proposal Guaranty Required: $75,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: December 8, 2026 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code **SAMPLE** **NOT FOR BIDDING PURPOSES**
Contract Completion Time September 17, 2027	
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

For Department Use Only

Type of Work:
Removals, Milling, Grading, Aggregate, Asphalt Pavement, Structure Rehabilitation, Curb and Gutter, Concrete Sidewalk, Storm Sewer, Erosion Control, Permanent Signing, Traffic Control, Pavement Marking, Lighting, Sanitary, Water, Restoration.

Notice of Award Dated	Date Guaranty Returned

PLEASE ATTACH
PROPOSAL GUARANTY HERE

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

BID PREPARATION

Preparing the Proposal Schedule of Items

A. General

(1) Obtain bidding proposals as specified in section 102 of the standard specifications prior to 11:45 AM of the last business day preceding the letting. Submit bidding proposals using one of the following methods:

1. Electronic bid on the internet.
2. Electronic bid on a printout with accompanying diskette or CD ROM.
3. Paper bid under a waiver of the electronic submittal requirements.

(2) Bids submitted on a printout with accompanying diskette or CD ROM or paper bids submitted under a waiver of the electronic submittal requirements govern over bids submitted on the internet.

(3) The department will provide bidding information through the department's web site at:

https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx

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

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

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

(5) The department will address equipment and process failures, if the bidder can demonstrate that those failures were beyond their control.

(6) Contractors are responsible for checking on the issuance of addenda and for obtaining the addenda. Notice of issuance of addenda is posted on the department's web site at:

https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx

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

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

B. Submitting Electronic Bids

B.1 On the Internet

(1) Do the following before submitting the bid:

4. Have a properly executed annual bid bond on file with the department.
5. Have a digital ID on file with and enabled by Info Tech Inc. Using this digital ID will constitute the bidder's signature for proper execution of the bidding proposal.

(2) In lieu of preparing, delivering, and submitting the proposal as specified in 102.6 and 102.9 of the standard specifications, submit the proposal on the internet as follows:

1. Download the latest schedule of items reflecting all addenda from the Bid Express™ web site.
2. Use Expedite™ software to enter a unit price for every item in the schedule of items.
3. Submit the bid according to the requirements of Expedite™ software and the Bid Express™ web site. Do not submit a bid on a printout with accompanying diskette or CD ROM or a paper bid. If the bidder does submit a bid on a printout with accompanying diskette or a paper bid in addition to the internet submittal, the department will disregard the internet bid
4. Submit the bid before the hour and date the Notice to Contractors designates
5. Do not sign, notarize, and return the bidding proposal described in 102.2 of the standard specifications.

(3) The department will not consider the bid accepted until the hour and date the Notice to Contractors designates.

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

(1) Download the latest schedule of items from the Wisconsin pages of the Bid Express web site reflecting the latest addenda posted on the department's web site at:

https://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.

B Waiver of Electronic Submittal

(1) The bidder may request a waiver of the electronic submittal requirements. Submit a written request for a waiver in lieu of bids submitted on the internet or on a printout with accompanying diskette or CD ROM. Use the waiver that was included with the paper bid document sent to the bidder or type up a waiver on the bidder's letterhead. The department will waive the electronic submittal requirements for a bidding entity (individual, partnership, joint venture, corporation, or limited liability company) for up to 4 individual proposals in a calendar year. The department may allow additional waivers for equipment malfunctions.

(2) Submit a schedule of items on paper conforming to section 102 of the standard specifications. The department charges the bidder a $75 administrative fee per proposal, payable at the time and place the department designates for receiving bids, to cover the costs of data entry. The department will accept a check or money order payable to: "Wisconsin, Dept. of Transportation."

(3) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:

1. The bidder fails to provide the written request for waiver of the electronic submittal requirements.
2. The bidder fails to pay the $75 administrative fee before the time the department designates for the opening of bids unless the bidder requests on the waiver that they be billed for the $75.
3. The bidder exceeds 4 waivers of electronic submittal requirements within a calendar year.

(4) In addition to the reasons specified in section 102 of the standard specifications, the department may refuse to issue bidding proposals for future contracts to a bidding entity that owes the department administrative fees for a waiver of electronic submittal requirements.

PROPOSAL BID BOND

Wisconsin Department of Transportation

DT1303 1/2006

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

Wisconsin Department of Transportation

DT1305 8/2003

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)

Effective with March 2010 Letting

LIST OF SUBCONTRACTORS

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

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

Name of Subcontractor	Class of Work	Estimated Value

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.

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STSP'S Revised July 1, 2026

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for the following projects:

ID 7720-00-71
C Arcadia, Main Street
CTH A to 250' W of STH 93
STH 95
Trempealeau County

ID 7720-00-81
C Arcadia, Main Street
CTH A to 250' W of STH 93
STH 95
Trempealeau County

Perform the work 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, 2025 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 (20260701)

2. Scope of Work.

The work under this contract consists of pavement milling, HMA pavement, concrete curb & gutter, concrete sidewalk, sanitary sewer, storm sewer, watermain, street lighting, bridge maintenance, erosion control items, pavement marking, permanent signing and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

3. Prosecution and Progress.

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

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

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

Do not close STH 95 to through traffic prior to 6:00 AM on June 1, 2027. Do not start the following work items until the detour is in place: all work items on B-61-0107, railroad track removal (including installation of base aggregate dense and two lower layers of HMA pavement), median concrete curb and gutter islands near railroad crossing, and all utility work included in ID 7720-00-81.

Green Bay Avenue shall not be closed until the new connection with Grant Street is complete (including concrete curb and gutter and HMA pavement).

Place two lower lifts of HMA pavement in utility trenches by 12:01 PM on May 28th, 2027.

Do not begin mainline milling and HMA paving operations on STH 95 prior to August 9, 2027 without written permission from the engineer.

Place lower lift of HMA pavement the same day as milling operations.

Storm sewer work included in ID 7720-00-71, concrete curb and gutter and concrete sidewalk activities may be completed prior to the detour with the use of shoulder closures and flagging.

Interim Completion and Liquidated Damages – STH 95: August 4, 2027

Complete construction operations on STH 95 to the stage necessary to reopen it to through traffic by August 4, 2027. Do not reopen until completing the following work: all work on Bridge B-61-0107, all work

included in ID 7720-00-81, Grant Street connection, common excavation, railroad track removal (including base aggregate dense and HMA pavement), storm sewer, base aggregate dense, concrete curb & gutter and lower 2 lifts of HMA pavement in utility trench areas.

If the contractor fails to complete the work necessary to reopen STH 95 to traffic by August 4, 2027, the department will assess the contractor $5,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM on August 5, 2027. 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.

Migratory Birds

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

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

- B-61-0107

Working days will not be assessed for placement of deterrent systems.

Fish Spawning

There shall be no instream disturbance of Trempealeau River at Station 113+95 as a result of construction activity under or for this contract, from September 15 to May 15 both dates inclusive, in order to avoid adverse impacts upon the spawning of fish species.

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

Protection of Endangered Bats

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

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

Direct temporary lighting, if used, away from wooded areas during the bat active season April 15 to October 31, both dates inclusive.

Tree Clearing/Trimming:

Contractor means and methods to remove trees/branches will not be allowed. If it is determined that trees with a 3-inch or greater diameter at breast height (dbh), or branches of any size on those sized trees, need to be removed beyond contractor means and methods, notify the engineer to coordinate with the WisDOT REC to determine if consultation with United States Fish and Wildlife Service (USFWS) is required. The contractor must be aware that the WisDOT REC and/or USFWS may not permit modifications.

Branch trimming is incidental to other work if no other tree clearing work is necessary.

Bridge Deck Sealing/Overlay

To avoid affecting bats that may be roosting under or within structures, do not allow construction equipment, sealants, polymer overlays, or other materials from reaching the underside off the end of the structure or through any other openings on the structure.

4. Traffic.

STH 95 to be closed to through traffic and detoured for a portion of the construction schedule.

Maintain access through the work zone for local traffic and emergency vehicles. Maintain access to all commercial and private entrances and side streets with the exception of St Joseph Street, Oak Street and Simpson Street intersections which may be closed entirely for 10 working days at each location during the detour period for to allow for installation of sanitary sewer and watermain. If temporary access closures are required to accommodate construction operations, contact property owner 3 business days prior to closing access to any existing entrance.

Flag local traffic within the closed roadway. Do not restrict local traffic to properties from both eastbound and westbound directions at the same time.

Re-open one lane in each direction at the end of each day with a minimum roadway width of 22-feet except for St Joseph Street, Oak Street and Simpson Street.

Maintain one, 11-foot lane in each direction on STH 95 for work activities outside of the roadway closure.

Do not begin railroad track removal until access for emergency services has been coordinated and approved by local officials.

Maintain at least one, 12-foot lane at all times during daylight and two, 11-foot lanes at night during railroad track removal.

Portable Changeable Message Signs (PCMS)
Place PCMS boards on STH 95 in the approximate locations shown in the plan, or as approved by the engineer, one week prior to the anticipated start date and one week prior to road closure to notify motorists of upcoming construction activities.
Message is as follows:

ROADWORK	HWY 95
STARTING	CLOSED
X/XX/XX	STARTING
	X/XX/XX

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.

5. Holiday and Special Event Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying STH 95 traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday and special event periods:

- From noon Friday, May 28 to 6:00 AM Tuesday, June 1, Memorial Day;
- From noon Friday, July 2, to 6:00 AM Tuesday, July 6, Independence Day;
- From noon Thursday, August 5, to 6:00 AM Monday, August 9, Ashley for the Arts;
- From noon Friday, September 3, to 6:00 AM Tuesday, September 7, Labor Day.

stp-107-005 (20210113)

6. Utilities.

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

The utility work plan includes additional detailed information regarding the location of known discontinued, relocated, or removed utility facilities. These can be requested from the department during the bid preparation process, or from the project engineer after the contract has been awarded and executed.

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. Follow-up with a confirmation notice to the engineer and the utility not less than 3 working days before the site will be ready for the utility to begin its work.

stp-107-065 (20240703)

Any utility facility locations (stations, offsets, elevations, depths) listed in this article are approximate.

All coordination was done under IDs 7720-00-71 & 7720-00-81.

Arcadia Electric & Sewer Utility (ELCTY) has overhead & underground electric facilities throughout the project.

Arcadia Electric & Water Utility conflicts will be resolved as part of the project activities as shown in the plans below. Work will be completed during construction by the contractor.

Station 101+76 RT light pole base will be relocated to avoid new curb ramp.

Station 116+46 RT pull box will be adjusted to avoid new curb ramp.

Station 120+84 RT light pole base will be relocated to avoid new curb ramp.

Station 123+18 LT light pole base will be relocated to avoid new curb ramp.

Station 123+93 RT light pole base will be relocated to avoid new curb ramp.

Station 130+12 LT light pole base will be relocated to avoid new curb ramp.

Station 144+09 LT light pole base will be relocated to avoid new curb ramp.

Station 172+65 RT light pole base will be relocated to avoid new curb ramp.

Arcadia Water & Wastewater Utility (SEWR) has underground sanitary sewer facilities throughout the project.

Arcadia Water & Wastewater will construct, reconstruct, relocate and remove, as shown in the plans below. Work will be completed during construction**.** Work is expected to start April 5th with the exception of the sewer work at Station 118+68, Station 120+53, Station 137+25, Station 158+69 and Station 162+23 which will begin in June once the detour is in place. Work is expected to take 20 working days in April and 20 working days in June to complete.

Sanitary sewer manhole casting at Station 102+04, 2.0’ LT will be adjusted.

Sanitary sewer manhole casting at Station 111+31, 4.4’ LT will be adjusted.

Twin 36-inch storm sewer pipes will be installed in the north driving lane from Station 137+25 to Station

145+00.

Storm sewer manhole at Station 158+69, 20.3’ LT will be removed and replaced.

Sanitary sewer manhole at Station 118+68, 12’ LT will be removed and replaced and 180’ of new 8” PVC sanitary sewer main will be installed from Station 118+68 to Station 120+53.4.

Sanitary sewer manhole casting at Station 120+53.4, 1.5’ RT will be adjusted.

Sanitary sewer manhole casting at Station 141+17, CL will be replaced.

Sanitary sewer manhole casting at Station 147+92, CL will be replaced.

Sanitary sewer manhole casting at Station 151+19, CL will be adjusted.

Sanitary sewer manhole casting at Station 155+01, Cl will be adjusted.

Storm sewer manhole at Station 158+69, 20.3’ LT will be removed and replaced.

Sanitary sewer manhole at Station 162+23, CL will be removed and replaced and 35’ of new 8” PVC sanitary sewer main will be installed from Station 162+23, CL to 162+23, 35’ RT.

Sanitary sewer manhole casting at Station 169+49, CL will be replaced.

Sanitary sewer manhole casting at Station 172+94, CL will be replaced.

Sanitary sewer manhole casting at Station 176+39, CL will be replaced.

Arcadia Water & Wastewater Utility has other conflicts, and work items that will be resolved as part of the project activities as shown in the 7720-00-81 ID. Work will be completed during construction, during the detour period by the contractor.

Arcadia Water & Wastewater Utility conflicts will be resolved as part of the project activities as shown in the 7720-00-81 ID. Work will be completed during construction by the contractor.

Arcadia Water & Wastewater Utility (WATR) has underground water facilities throughout the project.

Arcadia Water & Wastewater will construct, reconstruct, relocate and remove, as shown in the plans below. Work will be completed during construction. Work will be completed during construction. Work is expected to start April 5th with the exception of the casing/watermain crossing at the railroad tracks which will begin in June once the detour is in place. Work is expected to take 20 working days in April and 20 working days in June to complete.

Water main valve box and adaptor at Station 98+90.5, 11.0‘ LT will be removed and replaced.

Hydrant and associated lead and valves at Station 100+60, 28.0’ RT will be replaced. Work includes removing and replacing associated concrete curb and gutter and concrete sidewalk.

Water main valve box and adaptor at Station 101+97,15.0’ RT will be removed and replaced.

Water main valve box and adaptor at Station 120+74, 14.6’ RT will be removed and replaced.

Water main from Station 129+68 to Station 131+36 will be removed and replaced. Work will include boring and jacking 16” steel casing under railroad crossing from Station 130+14 to Station 130+64.

Water main from Station 130+10, 12’ RT to Station 130+50, 65’ LT will be removed and replaced.

Water main valve at Station 144+20.5, 14.5’ RT will be removed and replaced.

Water main valve box and adaptor at Station 151+13, 15’ RT will be removed and replaced.

Hydrant and associated lead and valves at Station 162+00, 36’ RT will be removed and replaced. Work includes removing and replacing associated concrete curb and gutter.

Water main valve at Station 175+60, 15’ RT will be added.

Water main valve boxes and adaptors at Station 175+79, 15’ RT will be removed and replaced.

Hydrant and associated lead and valves at Station 166+00, 28’ RT will be removed and replaced. Work includes removing and replacing associated concrete curb and gutter and sidewalk.

Water main valves at Station 166+25, 15’ RT will be removed and replaced.

Water main valves at Station 170+24, 15’ RT will be added.

Hydrant and associated lead and valves at Station 179+69, 28’ RT will be removed and replaced. Work includes removing and replacing associated concrete curb and gutter and sidewalk.

Arcadia Water and Wastewater Utility has other conflicts, and work items that will be resolved as part of the project activities as shown in the 7720-00-81 ID. Work will be completed during construction, during the detour period by the contractor.

CenturyLink (COMLN) has underground facilities throughout the project.

CenturyLink will construct, reconstruct, relocate and remove, as shown in the plans below. Work will be completed prior to construction.

Conflict with Pedestal at Station 166+35 will be moved 2' North to back of proposed sidewalk prior to construction.

Midwest Natural Gas GSPTR) has underground facilities throughout the project.

Midwest Natural Gas will construct, reconstruct, relocate and remove, as shown in the plans below. Work will be completed prior to construction.

Gas facilities spanning both sides of E Main Street between Station 143+75 and Station 158, all existing facilities will be relocated to run beneath the sidewalk, approximately 2 feet from the edge of the right-of-way.

Underground line at Station 99+50 RT. Depth is approximately 2'8". Conflicts are not expected.
Underground line at Station 102+20 RT to Station 102+45 RT. Depth is approximately 2'. Conflicts are not expected.

Underground line at Station 104+90 RT. Depth is approximately 2'5". The line will be re-located 2.5' west into the boulevard to avoid inlet. It will be relocated prior to construction to resolve conflicts.

Underground line at Station 105+20 LT to Station 105+30 LT. Depth is approximately 2'6". The line will be relocated 2' south to avoid inlet. It will be relocated prior to construction to resolve conflicts.

Underground line at Station 115+90. Depth is approximately 3'. Conflicts are not expected.

Underground line at Station 120+35 LT. Depth is approximately 3'8". Conflicts are not expected.

Underground run parallel with STH 95 from Station 143+75 RT to Station 145+75 RT with a leg north crossing STH 95 at Station 145+70. Line will be relocated to run beneath the sidewalk, approximately 2 feet from the edge of the right-of-way.

Underground line crossing of Elm Street at intersection with STH 95; Station 151+00 to Station 151+35. Line will be relocated to run beneath the sidewalk, approximately 2 feet from the edge of the right-of-way.

Underground line near proposed hydrant at Station 154+80 RT. The line will be relocated to run beneath the sidewalk, approximately 2 feet from the edge of the right-of-way.

Underground line crossing of Oak Street (North side of STH 95, and at southwest corner of Oak Street and STH 95); Station 158+00 to Station 159+00. Depth is approximately 3'. Note – this is the main steel feed into Arcadia. The line will be relocated under existing sidewalk. It will be relocated prior to construction to resolve conflicts.

Underground line parallel to STH 95 and Simpson Street (south) from Station 165+90 RT to Station 166+20 RT. Depth is approximately 3'. The line will be relocated 2' south. It will be relocated prior to construction to resolve conflicts.

Underground line parallel with STH 95 from Station 161+70 LT to Station 162+75 LT. Conflicts are not expected

Gas line crosses STH 95 at Station 160+60. Depth is approximately 3'. Conflicts are not expected.

Tri-County Communications (COMLN) has facilities within the project limits.

Tri-County Communications will construct, reconstruct, relocate and remove, as shown in the plans below. Work will be completed prior to and during construction. Work during construction will be 15 working days.

Underground line across STH 95 at Station 105+30 and overhead run with the electrical crossing STH 95 at Station 104+80. Depth of underground is approximately 32". Conflicts are not anticipated.

Underground line crossing STH 95 at Station 115+80. Depth is approximately 32". Conflicts are not anticipated.

Underground line across STH 95 at Station 120+30. Depth is approximately 32". Conflicts are not anticipated.

Underground line parallel to STH 95 from Station 142+15 LT to Station 144+00 LT. Depth is approximately 32". Conflicts are not anticipated.

Underground line parallel to STH 95 from Station 151+25 LT to Station 151+75 LT. Depth is approximately 32". Conflicts are not anticipated.

Multiple underground lines from Station 158+00 LT to Station 159+00 LT and across STH 95 at Station 158+80 and a hand hole in the northwest corner of the intersection. Depth is approximately 32". Tri-County Communications will adjust the handhole outside the sidewalk limits during construction.

Underground line adjacent to sidewalk and within expected TLE between Station 161+65 and Station 162+75. Depth is approximately 32". Conflicts are not anticipated.

Multiple underground lines from Station 165+25 LT to Station 166+50 LT and a hand hole in the northwest corner of the intersection. Depth is approximately 32". Tri-County Communications will adjust lines and handhole outside the sidewalk limits during construction.

Multiple underground lines from Station 179+60 to Station 179+75 within sidewalk and expected TLE areas. Depth is approximately 32". Conflicts are not expected.

Multiple underground lines crossing STH 95 at Station 203+48. Depth is approximately 32". Tri-County Communications will lower lines during construction.

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

Dairyland Power (ELCTY)

7. Railroad Insurance and Coordination - Wisconsin Central Ltd (CN).

A. Description

Comply with standard spec 107.17 for all work affecting Wisconsin Central Ltd (CN) property and any existing tracks.

A.1 Railroad Insurance Requirements

In addition to standard spec 107.26, provide railroad protective liability insurance coverage as specified in standard spec 107.17.3 Insurance is filed in the name of Wisconsin Central Ltd and Its Parents (CN).

Notify evidence of the required coverage, and duration to Suzanne Crueger, Senior Officer, Public Works, 1625 Depot Street, Stevens Point, WI 55481; Telephone (715) 572-7803; E-mail: suzanne.crueger@cn.ca

Also send a copy to the following: Anna Davey, NW Region Railroad Coordinator; 1701 N 4th Street, Superior, WI 54880; Telephone (715) 392-7960; DOTDTSDNWRRailroadCoordination@dot.wi.gov

Include the following information on the insurance document:

- Project ID: 7720/00-71/81
- Project Location: Arcadia, Wisconsin
- Route Name: STH 95, Trempealeau County
- Crossing ID: DT 281828B
- Railroad Subdivision: Whitehall
- Railroad Milepost: 0192.210
- Work Performed on or within 50' of RR ROW: Excavation, Track Removal, Concrete Curb & Gutter, Concrete Sidewalk, HMA Paving, Pavement Marking

A.2 Train Operation

Approximately 6 through freight trains operate daily at up to 40 mph. No switching trains at this location.

A.3 Names and Addresses of Railroad Representatives for Consultation and Coordination

Construction Contact

Suzanne Crueger, Senior Officer, Public Works, 1625 Depot Street, Stevens Point, WI 55481; Telephone (715) 572-7803; E-mail: suzanne.crueger@cn.ca for consultation on railroad requirements during construction.

Amend standard spec 108.4 to include the railroad in the distribution of the initial bar chart, and monthly schedule updates. The bar chart shall specifically show work involving coordination with the railroad.

Flagging Contact

Submit by US Mail a "Request for Flagging Services and Cable Location" form with prepayment to: Flagging-US, 17641 South Ashland Avenue, Homewood, IL 60430; Flagging_US@CN.CA .

The form can be obtained at: https://www.cn.ca/en/safety/utility-installations/

Requests for flagging and cable locates can take up to five business days after the railroad receives the paperwork. Reference the Wisconsin Milepost and Subdivision located in A.1. Advise Wisconsin Central Ltd (CN) that the flagging services are to be billed at the rate for a public highway project.

Cable Locate Contact

In addition to contacting Diggers Hotline, follow the procedure listed under Flagging Contact.

Wisconsin Central Ltd (CN) will only locate railroad owned facilities buried in the railroad right-of-way. The railroad does not locate any other utilities.

cc: WisDOT Region Railroad Coordinator referenced in A.1 on all written correspondence with the railroads.

A.4 Work by Railroad

The railroad will perform the work described in this section, except for work described in other special provisions, and will be accomplished without cost to the contractor. Provide three days of flagging at no cost to the contractor and install flashing lights, gates and crossing extensions.

A.5 Temporary Grade Crossing

If a temporary grade crossing is desired, submit a written request to the railroad representative named in A.3 at least 40 days prior to the time needed. Approval is subject to the discretion of the railroad. The department has made no arrangements for a temporary grade crossing.

A.6 Rail Security Awareness and Contractor Orientation

All employees of contractors who work on CN properties are required to have minimum CN Safety and Security Awareness training. This training can be obtained by registering and following the CN link through www.contractororientation.com. This training is good for a period of one year.

a. Exception: CN has exempted from this training those it classifies as "Delivery Persons". Delivery Persons include contractors such as UPS, FedEx, trucking companies, etc. who merely access the property to supply materials or equipment.

The security awareness and contractor orientation certification must be renewed for projects that will carry over beyond the one-year period. Contractor and subcontractor employees shall wear the identification badge issued by www.contractororientation.com when on railroad right-of-way. Costs associated with training and registration are incidental to other items in the contract.

If employees of contractors have a current eRailSafe badge for CN then an additional badge is not required from www.contractororientation.com.

A.7 Contractor Right of Entry

The contractor will be required to obtain a Right of Entry from Wisconsin Central Ltd (CN) prior to working on railroad right of way. Contact the person in A.1 Railroad Insurance Requirements at least 45 days prior to start of work. The Right of Entry will be issued at no cost to the contractor. If the contractor pays for the Right of Entry, it will not be reimbursed by the project. The Project ID will serve as the ROE permit number unless otherwise stated. Reference A.1 Railroad Insurance Requirements for railroad protective liability insurance requirements. The required insurance is modified per the attached Contractor Right of Entry (CROE).

stp-107-026 (20260701)

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

There are wetlands within the right-of-way; however, impacts are not anticipated based on the proposed slope intercepts. Therefore, the department has not requested or obtained a U.S. Army Corps of Engineers Section 404 Permit for this project.

Methods of operations, including preparatory work, staging, site clean-up, storing materials, or causing impacts to wetlands or waters are not permitted. If the contractor requires work outside the proposed slope intercepts, based on their method of operation to construct the project, it is the contractor's responsibility to determine whether a U.S. Army Corps of Engineers Section 404 Permit is required. If a Section 404 Permit is necessary, obtain the permit prior to beginning construction operations requiring the permit. No time extensions as discussed in standard spec 108.10 will be granted for the time required to apply for and obtain the permit. The contractor must be aware that the Corps of Engineers may not grant the permit request.

Information on USACE Section 404 permits is available on the USACE's website:

https://www.mvp.usace.army.mil/Missions/Regulatory.aspx

stp-107-054 (20230629)

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

The following Project IDs have less than one acre of land disturbing construction activity and do not require coverage under the TCGP:

Project ID	Design Calculated Amount of Land Disturbing Construction Activity (acres)
7720-00-71/81	0.985

If additional land disturbance is necessitated for the project due to proposed contractor means and methods, including temporary support activity sites, and the additional land disturbance results in a total cumulative land disturbance for the project of one acre or more, TCGP coverage will need to be obtained. The department will be responsible for obtaining TCGP coverage for the project following department approval of the associated ECIP and DNR concurrence that the project has met the requirements for coverage under the TCGP. Do not begin land disturbing construction activity until the ECIP is approved and the DNR conveys TCGP coverage for the project.

Contractor necessitated changes resulting in the need for permit coverage will not be cause for schedule delays or other damages.

Stormwater discharge permit coverage for additional land disturbing construction activities related to contractor means and methods, including temporary support activity sites, will be considered as part of the ECIP review and approval process. Coverage under the TCGP for additional land disturbance areas will be considered if the areas meet all the following:

- Must meet the TCGP applicability criteria.
- Must be for the exclusive use of a WisDOT project.
- Land disturbance first commences after the ECIP approval, and the areas are fully restored to meet the final stabilization criteria of the permit upon completion of the work.

If TCGP coverage is deemed necessary and obtained for the project, conform to all permit requirements and post the "Certificate of Permit Coverage" in a conspicuous place at the construction site.

Permit coverage, if necessary, will be under the Wisconsin Pollutant Discharge Elimination System, Transportation Construction General Permit, (WPDES Permit No. WI-S066796-2), and is located at: :

https://widnr.widen.net/s/s5mwp2gd7s/finalsignedwisdotcsgp

Obtain any permits for areas that are not approved by the department for coverage under the TCGP.

stp-107-056 (20260701)

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 (>104º 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. Construction Over or Adjacent to Navigable Waters.

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

stp-107-060 (20171130)

12. Notice to Contractor, Verification of Asbestos Inspection, No Asbestos Found.

Paul M. Garvey, License Number AII-117079, inspected Structure B-61-0107 for asbestos on October 10, 2022. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from Daniel Rambo, (715) 836-5181, Daniel.Rambo@dot.wi.gov.

stp-107-127 (20220628)

13. Notice to the Contractor – Inadvertent Discovery of Contaminated Soil.

A Description

Information obtained by the department indicates a potential for petroleum contaminated soil to be encountered at the following locations as shown on the plans:

1. Site 10; Station 121+41 to 122+02, from reference line to construction limits LT, from the ground surface to the maximum depth of excavation.
2. Site 15; Station 127+45 to 127+75, from reference line to construction limits RT, from the ground surface to the maximum depth of excavation.
3. Site 18; Station 129+00 to 129+88 from reference line to construction limits RT, and Station 129+88 to 131+40, from construction limits LT to construction limits RT, from the ground surface to the maximum depth of excavation.

If obvious potentially contaminated material is encountered at other locations, suspend excavation in that area and notify the engineer.

For further information regarding previous assessment activities at these locations, contact:

Contact: Mr. Daniel Rambo, WisDOT Northwest Region

Address: 718 W. Clairemont Ave., Eau Claire, WI 54701

Phone: (715) 514-7255

Fax: (715) 392-7863

Email: Daniel.Rambo@dot.wi.gov

A.1 Coordination

Coordinate work under this contract with the environmental consultant:

Name: GEI Consultants, Inc., Mr. Roger Miller or Mr. Michael DeBraske

Address: 3159 Voyager Drive, Green Bay, WI 54311

Phone: (920) 455-8657 or (920) 455-8655

Fax: (920) 455-8225

E-mail: rmiller@geiconsultants.com or mdebraske@geiconsultants.com

The role of the environmental consultant will be limited to:

1. Determining the locations and limits of contaminated material to be excavated based on visual observations and field screening of material that is excavated;
2. Identifying contamination to be hauled to the bioremediation/landfill facility;
3. Documenting that activities associated with management of contaminated material are in conformance with state regulations;
4. Obtaining the necessary approvals for treatment and disposal of contaminated material.

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the areas specified above to the environmental consultant. Also notify the environmental consultant at least three calendar days prior to commencement of excavation activities in each of the areas specified above.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation in the areas specified above. Perform excavation work in these areas on a continuous basis until excavation work is completed.

14. Coordination with Businesses and Residents.

The contractor shall arrange and conduct a meeting between the contractor, the department, affected residents, local officials and EMS and business people including Ashley Furniture and Pilgrams Pride 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 hold a meeting one week prior to each traffic staging change. 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 2 weeks prior notice to the engineer to allow for these notifications.

stp-108-060 (20141107)

15. Public Convenience and Safety.

Revise standard spec 107.8(6) as follows:

Check for and comply with local ordinances governing the hours of operation of construction equipment. Do not operate motorized construction equipment from 7:00 PM until the following 7:00 AM, unless prior written approval is obtained from the engineer.

stp-107-001 (20060512)

16. Municipality Acceptance of Sanitary Sewer and Water Main Construction.

Both the department and City of Arcadia personnel will inspect materials placement of sanitary sewer and water main under this contract. However, construction staking, post-placement testing of the system, and final acceptance of the sanitary sewer and water main construction will be by the City of Arcadia.

stp-105-001 (20250701)

17. Referenced Construction Specifications.

Construct the work enumerated below conforming to the Davy Engineering Standard Specification Sections II, III, IV and VIII. Tracer wire shall be placed along all new sanitary sewer and water main pipe and connect to existing wire per 3.11.0. A copy of the Davy Engineering standard specifications is available at the following link: http://standards.davyinc.com. If there is a discrepancy or conflict between the referenced specification and the standard specifications regarding contract administration, part 1 of the standard specifications governs.

Excavation and backfilling required for storm sewer materials and construction shall be performed according to current WisDOT standards.

Conform to the referenced construction specifications for the following:

Sanitary Sewer items listed in project ID 7720-00-81

Watermain items listed in project ID 7720-00-81

stp-105-002 (20130615)

18. Removing Manholes.

Add the following to standard spec 204.3.2.2.1 line (10):

The existing storm sewer manhole may consist of red brick, block or precast construction. All manhole components are to be removed and discarded off site except the casting is to be salvaged for the City of Arcadia Sewer Department. The contractor shall be responsible for coordinating with the City to have the castings picked up.

19. Removing Catch Basins.

Add the following to standard spec 204.3.2.2.1 line (10):

The existing storm sewer catch basin may consist of red brick, block or precast construction. All catch basin components are to be removed and discarded off site except the casting is to be salvaged for the City of Arcadia Sewer Department. The contractor shall be responsible for coordinating with the City to have the castings picked up.

20. Removing Bollards, Item 204.9060.S.001.

A Description

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

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Bollards in Each, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S	Removing Bollards	EACH

Payment is full compensation for excavating, bollard removal, backfilling and disposal.

stp-204-025 (20230113)

21. Excavation, Hauling, and Disposal of Petroleum Contaminated Soil, Item 205.0501.S.

A Description

A.1 General

This special provision describes excavating, loading, hauling, and disposing of contaminated soil at a DNR approved bioremediation facility. The closest DNR approved bioremediation facility is:

La Crosse County Solid Waste Management Facility

3240 Berlin Drive

La Crosse, Wisconsin 54601-1818

(608) 785-9572

Perform this work conforming to standard spec 205 and Chapters NR 700-754 of the Wisconsin Administrative Code, as supplemented herein. Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport contaminated soil.

A.2 Notice to the Contractor – Contaminated Soil Locations

The department completed testing for soil contamination within this project where excavation is required. Testing indicated that petroleum contaminated soil is present at the following locations the plans show:

1. Site 3: Station 109+30 to 110+27, from reference line to construction limits RT, at a depth of 0 feet to 4 feet.
2. Site 11: Station 123+12 to 123+45, from 14 feet LT of reference line to construction limits LT at a depth of 0 feet to maximum depth of excavation.

If contaminated soils are encountered elsewhere on the project, terminate excavation activities in that area and notify the engineer.

For further information regarding previous investigation and remediation activities at these sites, contact:

Contact: Mr. Daniel Rambo, WisDOT Northwest Region

Address: 718 W. Clairemont Ave., Eau Claire, WI 54701

Phone: (715) 514-7255

Fax: (715) 392-7863

Email: Daniel.Rambo@dot.wi.gov

A.3 Coordination

Coordinate work under this contract with the environmental consultant:

Name: GEI Consultants, Inc., Mr. Roger Miller or Mr. Michael DeBraske

Address: 3159 Voyager Drive, Green Bay, WI 54311

Phone: (920) 455-8657 / (920) 455-8655

Fax: (847) 984-3532

E-mail: rmiller@geiconsultants.com, mdebraske@geiconsultants.com

The role of the environmental consultant will be limited to:

1. Determining the location and limits of contaminated material to be excavated based on analytical results from previous investigations, visual observations, and field screening of material that is excavated;
2. Identifying contaminated material to be hauled to the bioremediation/landfill facility;
3. Documenting that activities associated with management of contaminated material are in conformance with state regulations;
4. Obtaining the necessary approvals for disposal of contaminated material

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the areas of contamination to the environmental consultant. Also notify the environmental consultant at least three calendar days before beginning excavation activities in each of the contaminated areas.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation activities in the contaminated areas. Perform excavation work in each of the contaminated areas on a continuous basis until excavation work is completed.

Identify the DNR approved bioremediation facility that will be used for disposal of contaminated soils and provide this information to the environmental consultant no later than 30 calendar days before beginning excavation activities in the contaminated areas or at the preconstruction conference, whichever comes first. The environmental consultant will be responsible for obtaining the necessary approvals for disposal of contaminated soils from the bioremediation facility. Do not transport contaminated soil offsite without prior approval from the environmental consultant.

A.4 Health and Safety Requirements

Add the following to standard spec 107.1:

During excavation activities, expect to encounter soil contaminated with metals, PAHs, gasoline, diesel, or other petroleum related products, and chlorinated VOCs. Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training that meets the Occupational Safety and Health Administration (OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

Prepare a site-specific Health and Safety Plan, and develop, delineate and enforce the health and safety exclusion zones for each contaminated site location as required by
29 CFR 1910.120. Submit the site-specific health and safety plan and written documentation of up-to-date OSHA training to the engineer before the start of work.

B (Vacant)

C Construction

Add the following to standard spec 205.3:

Control operations in the contaminated areas to minimize the quantity of contaminated material excavated.

The environmental consultant will periodically evaluate material excavated from the contaminated areas. The environmental consultant will evaluate excavated material based on field-screening results, visual observations, and analytical results from previous environmental investigations. Assist the environmental consultant in collecting samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 15 cubic yards excavated.

On the basis of the results of such field-screening, the material will be designated as follows:

- Excavation Common consisting of clean soil and/or clean construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, bituminous pavement, bricks, building stone, and unpainted or untreated wood), which under NR 500.08 are exempt materials, or
- Low-level contaminated soil for reuse as fill in the contamination management zone from which it was excavated, with reuse being at a depth equal to or shallower than the depth from which it was removed, and subject to restrictions of pavement cover or a minimum of 1 foot of clean soil cover, or
- Contaminated soil for bioremediation/disposal at the licensed bioremediation/disposal facility.

Directly load and haul material designated by the environmental consultant for offsite treatment and disposal at the licensed facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of contaminated material or residues. Prior to transport, sufficiently dewater material designated for off-site treatment and disposal so as not to contain free liquids.

If soil is designated for reuse, some material may require temporary storage prior to reuse as fill on the project. Provide for the temporary stockpiling of up to 100 cubic yards of contaminated material on-site. Construct and maintain a temporary stockpile of the material in accordance with NR 718.05(3), including, but not limited to, placement of the contaminated soil on an impervious surface and covering the stockpile with impervious material to prevent infiltration of precipitation.

D Measurement

The Department will measure Excavation, Hauling, and Disposal of Contaminated Soil in tons of contaminated soil accepted by the bioremediation facility as documented by weight tickets generated by the bioremediation facility.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.205.0501.S	Excavation, Hauling, and Disposal of Petroleum	TON

Payment is full compensation for excavating, segregating, loading, hauling, and treatment via bioremediation of contaminated soil; obtaining solid waste collection and transportation service operating licenses; assisting in the collection of soil samples for field evaluation; and dewatering of soils before transport, if necessary.

22. Protection of Concrete.

Add the following to standard spec 415.3.14:

The contractor shall provide for a minimum of one concrete finisher to remain on the project site after final finishing of all concrete surfaces until the concrete has hardened sufficiently to resist surface scarring caused by footprints, handprints, or any other type of imprint, malicious or otherwise. The finisher shall actively and continuously patrol on foot the newly placed concrete and repair any damage to the surface that might be sustained as described above.

The cost for providing the finisher(s), the necessary equipment, and materials is incidental to the contract.

ner-415-015 (20180326)

23. QMP HMA Pavement Nuclear Density.

A Description

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

(1) This special provision describes density testing of in-place HMA pavement with the use of nuclear density gauges. Conform to standard spec 460 except as modified in this special provision.

(2) Provide and maintain a quality control program defined as all activities and documentation of the following:

1. Selection of test sites.
2. Testing.
3. Necessary adjustments in the process.
4. Process control inspection.

(3) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes required procedures.

https://wisconsindot.gov/rdwy/cmm/cm-08-00.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 815.

B.2 Testing

(1) Conform to WTM T355 and CMM 815 for density testing and gauge monitoring methods. Conform to CMM 815.10.4 for test duration and gauge placement.

B.3 Equipment

B.3.1 General

(1) Furnish nuclear gauges according to CMM 815.2.

(2) Furnish nuclear gauges from the department's approved product list at

https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/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 WTM T355.

B.3.2.2 Reference Site Monitoring

(1) Conduct reference site monitoring for both QC and QV gauges according to WTM T355.

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 815.10.2.

(2) Determine required number of tests according to CMM 815.10.2.1.

(3) Determine random testing locations according to CMM 815.10.3.

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 815.10.2.

(2) Determine required number of tests according to CMM 815.10.2.2.

(3) Determine random testing locations according to CMM 815.10.3.

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 815. 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 sublot and lot densities.

(6) If two consecutive sublot 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 sublot 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 sublot using the same testing requirements and frequencies as the QC tester.

(3) If the verification sublot average is not more than one percent below the specified minimum target density, use the QC tests for acceptance.

(4) If the verification sublot average is more than one percent below the specified target density, compare the QC and QV sublot averages. If the QV sublot average is within 1.0 lb/ft^3 of the QC sublot average, use the QC tests for acceptance.

(5) If the first QV/QC sublot average comparison shows a difference of more than 1.0 lb/ft^3 each tester will perform an additional set of tests within that sublot. Combine the additional tests with the original set of tests to compute a new sublot average for each tester. If the new QV and QC sublot averages compare to within 1.0 lb/ft^3, use the original QC tests for acceptance.

(6) If the QV and QC sublot averages differ by more than 1.0 lb/ft^3 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 sublot density test results or retesting of the sublot 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 (20230629)

24. Material Transfer Vehicle, Item 460.9000.S.

A Description

This special provision describes providing Material Transfer Vehicles (MTV) and operators for use during HMA upper layer paving operations of the travel lanes as shown in the plan or as directed by the engineer.

B Materials

Furnish a self-propelled MTV with the ability to remix, maintain constant temperature, and continually feed the paver hopper. MTV storage capacity shall be adequate to provide continuous forward movement of the paver. Coordinate paver speed to match the delivery of material and capacity of the MTV to minimize stopping of the paver.

C Construction

Ensure that an operator stays with the MTV at all times during moving operations. Keep the paver's hopper full at all times and the MTV's hopper filled such that the conveying augers are never exposed to avoid segregation of the material. Placement of HMA upper layer pavement in the travel lanes will not be allowed without the MTV. Tie ins of intersections, shoulders paved separately, and other non-travel lane areas will not require the use of the MTV.

D Measurement

The department will measure Material Transfer Vehicle once for the contract, acceptably completed, regardless the number of vehicles in use.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
460.9000.S	Material Transfer Vehicle	EACH

Payment is full compensation for furnishing all material transfer vehicles and operators.

stp-460-900 (20230113)

25. Insulation Board Polystyrene, 2-Inch, Item 612.0902.S.001.

A Description

This special provision describes furnishing and placing polystyrene insulation board as the plans show.

B Materials

Provide polystyrene insulation board that conforms to the requirements for Extruded Insulation Board, AASHTO Designation M230 as modified in this special provision.

Delete flammability requirement.

B.1 Certification

Before installation, obtain from the manufacturer a certification indicating compliance and furnish it to the project engineer.

C (Vacant)

D Measurement

The department will measure Insulation Board Polystyrene, 2-Inch by area in square yards of work, completed and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
612.0902.S.001	Insulation Board Polystyrene, 2-Inch	SY

Payment is full compensation for all excavation; and for furnishing and placing the insulation board.

stp-612-005 (20030820)

26. Temporary Audible Message Devices, Item 644.1900.S.

A Description

This special provision describes providing, maintaining, and removing temporary audible message devices. These devices are used on temporary pedestrian facilities to guide individuals with sight disabilities.

B Materials

Furnish temporary audible message devices from the approved products lists.

C Construction

Provide and maintain temporary audible message device. Maintain and repair devices within two hours of being notified by the project engineer of an issue.

Contractors record messages as approved by the engineer.

Mount temporary audible message devices on drums, temporary sign supports, or other locations approved by the engineer. Locate motion detection areas that will be effective in activating the device to operate properly. Avoid locating motion detection areas that will cause activation by trees, traffic, or other known regular activity.

Move and adjust devices after disruptions by the work or the public.

Maintain devices in a working condition and replace batteries as needed. Replace any devices that are not working properly within 2 hours of being notified of an issue.

Use tamper-proof hardware for mounting.

D Measurement

The department will measure temporary audible message devices by the day, 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
644.1900.S	Temporary Audible Message Device	DAY

Payment is full compensation for providing, maintaining, and removing temporary audible message device.

The department will not pay for devices that are inoperable.

stp-644-190 (20250108)

27. Installing and Maintaining Bird Deterrent System Station 114+80, Item 999.2000.S.

A Description

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

B Materials

B.1 Hardware and Lumber

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

B.2 Netting Materials

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

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

a. 1/2” x 1/2” or 3/4" x 3/4” knotless, flame resistant, U.V. stabilized polyethylene or polypropylene netting with minimum 40-pound breaking strength per strand, or engineer approved equal.

b. Galvanized wire mesh (hardware cloth) with a wire diameter of .040 inches (19-gauge) and opening width of 1/2-inch.

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

B.3 Plastic Strip Curtain

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

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

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

Furnish concrete screws to attach strip curtain to structure.

B.4 Corner Slope Materials

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

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

C Construction

C.1 General

If active nests are observed after construction starts, or if a trapped bird or an active nest is found, stop work that may affect birds or their nests, and notify the engineer to consult with the Wisconsin Department of Natural Resources transportation liaison at Amy Lesik, at 715-495-1903, or the department regional environmental coordinator Sadie Hunter, at 715-836-2823.

Efforts should be made to release trapped birds, unharmed.

C.2 Nest Removal

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

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

C.3 Exclusion Netting

C.3.1 Installation

Using concrete screws, anchor lumber to bridge or culvert along perimeter of intended netting. Fasten netting to lumber until netting is held taut. Use the minimum length of lumber and netting necessary to avoid sections of netting that are not flush to the bridge or culvert. Eliminate any loose pockets or wrinkles

that could trap and entangle birds or other wildlife. Ensure the net is pulled taut in order to prevent flapping in the wind, which results in tangles or breakage at mounting points.

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

C.4 Plastic Curtains

C.4.1 Installation

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

C.5 Corner Slopes

C.5.1 Installation

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

C.6 Inspection and Maintenance

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

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

Repair deterrents to prevent birds from attempting to nest again.

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

C.7 Removal and Structure Repair

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

D Measurement

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

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
999.2000.S	Installing and Maintaining Bird Deterrent System Station 114+80	EACH

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

stp-999-200 (20250108)

28. Unsuitable Materials Excavation, Item SPV.0035.100.

A Description

This special provision describes excavation and removal of unsuitable trench materials encountered during sanitary sewer and water main installations as directed by Engineer.

B Materials

C Construction

Remove unsuitable pipe trench excavation materials as directed by the Engineer. Backfill and compact excavated area with Granular Backfill Grade 2.

D Measurement

The department will measure the volume of the unsuitable material excavated by cubic yard within the pipe trench.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.100	Unsuitable Materials Excavation	CY

Payment is full compensation for excavating, loading and disposal of the unsuitable material. Backfill to be paid for separately using Granular Backfill Grade 2 bid item.

29. Salvage and Reinstall Light Pole, Item SPV.0060.001.

A Description

This special provision describes removing, salvaging, storing and installing light poles and luminaires.

C Construction

Arrange for an inspection of lighting equipment by representatives from the City of Arcadia a minimum of five business days prior to removal. This inspection is intended to provide an inventory and assessment of the original condition of the equipment.

All above ground lighting equipment and material noted on the plans to be relocated shall be disconnected, removed, salvaged and securely stored until re-installed.

Do not damage luminaries, poles, wiring and conduit. Replace any lighting equipment to be salvaged that is damaged in the removal process with equipment that is of equal quality to that of the damaged piece.

D Measurement

The department will measure Salvage and Reinstall Light Pole by the each 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.0060.001	Salvage and Reinstall Light Pole	EACH

Payment for the Salvage and Reinstall bid item is full compensation for removing and salvaging, storing and re-installing existing light poles and luminaires, for providing grounding lugs and related mounting hardware; for hardware and fittings necessary to install the pole and luminaires; for leveling shims; for corrosion prevention and for replacement of any materials that are damaged or broken during the salvaging, storage or installation process.

30. Adjusting Water Valves, Item SPV.0060.002.

A Description

This special provision describes adjusting water valves to final pavement or ground elevations.

B Materials

Utilize existing valve boxes unless directed by the engineer. If existing valve box appears unusable, consult with engineer for determination if new valve box should be installed.

C Construction

Prior to completion of paving operations, adjust the water valve boxes to match the final proposed grade. Excavate and expose the existing water main valve box to the depth needed to adjust the valve box to grade, add or remove extension(s) as needed, and backfill with base aggregate material according to the requirements for the adjacent roadway base course construction. Provide the City of Arcadia two business days advance notice prior to adjusting the valve boxes to finished grade.

D Measurement

The department will measure Adjusting Water Valves as a unit of work for each valve box, acceptably adjusted according to the contract.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.002	Adjusting Water Valves	EACH

Payment is full compensation for adjusting each valve box; excavating as necessary to access the valve box; backfilling; and repairing.

31. Connect to Existing Storm Sewer Structure, Item SPV.0060.100.

A Description

This special provision describes furnishing, installing, and constructing storm sewer pipe connections to existing storm sewer structures.

B Materials

Furnish joint sealing materials conforming to the following:

- Concrete conforming to standard spec 501.
- Mortar conforming to standard spec 519.2.3.
- External rubber gaskets, mastic, and protective film conforming to ASTM C877

C Construction

Core a hole through the storm sewer structure unit with a minimal size to fit and seal the receiving sewer pipe joint according to standard spec 611.3.2.

D Measurement

The department will measure Connect to Existing Storm Sewer Structure by the each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.10	Connect to Existing Storm Sewer Structure	EACH

Payment is full compensation for coring, furnishing, and installing the connections.

32. Connect to Existing Sanitary Manhole, Item SPV.0060.101.

A Description

This special provision describes furnishing, installing, and constructing sanitary sewer pipe connections to existing sanitary sewer manhole structures.

B Materials

Furnish joint sealing materials conforming to Davy Standard Specifications Section III.

C Construction

Construct work in accordance with Davy Standard Specifications II and IV. Core new opening through wall of existing precast concrete manhole unit with minimal size diameter and install watertight boot to fit new 8-inch PVC SDR 35 sanitary sewer pipe connection. Remove existing fillet as necessary to install pipe at required elevation. Construct new manhole fillet and develop hydraulic channel.

D Measurement

The department will measure Connect to Existing Sanitary Manhole by the each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.101	Connect to Existing Sanitary Manhole	EACH

Payment is full compensation for coring wall opening, furnishing and installation of approved watertight boot, existing fillet removal, new fillet construction, and furnishing, and installing the connections.

33. Remove Existing Hydrant, Item SPV.0060.102.

A Description

This special provision describes removing and disposing of existing hydrants and hydrant lead.

B Materials

C Construction

Remove existing hydrant and hydrant lead between the hydrant control valve and the hydrant. Backfill according to that specified for water main construction. Properly dispose materials or recycle. Dispose materials at a site that meets the state requirements for construction debris and disposal.

D Measurement

The department will measure Remove Existing Hydrant as each individual unit removed, 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.0060.102	Remove Existing Hydrant	EACH

Payment is full compensation for removing existing hydrants, control valves and leads; for breaking down and removing; costs associated with contractor-caused damage; required salvaging, storing and disposing of material; and backfilling.

34. Hydrant, Item SPV.0060.103.

A Description

This work consists of furnishing and installing fire hydrants including excavating, setting new hydrants, stone drain material, joint restraint, connection of hydrant to hydrant lead including fittings, and mechanical joint restraints at the hydrant.

B Materials

Hydrant shall be 7.5’ bury. All water main materials shall conform to Davy Standard Specifications Sections II & III and AWWA Specifications latest designation specifications. Confirm with Arcadia Water Utility.

Approved hydrant manufacturer is Waterous Pacer or an approved equal.

Joint restraints shall be Meg-A-Lug wedge action type joint restraints manufactured by EBBA Iron Sales or an approved equal.

Furnish stone drain materials in Accordance with Davy Standard Specifications.

C Construction

Hydrants shall be furnished, installed, and tested in accordance with Davy Standard Specifications Section VIII. Hydrants shall be inspected before backfilled.

D Measurement

The department will measure Hydrant as each individual hydrant, 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.0060.103	Hydrant	EACH

Payment is full compensation for furnishing all work including back filling, stone drain materials, mechanical joints, joint restraints and adjustment of hydrant elevations to meet minimum height above sidewalk, pavement, or finished grades within the work area.

35. Hydrant Control Valve 6-Inch, Item SPV.0060.104.

A Description

This work consists of furnishing and installing resilient (R.S.) wedge Hydrant Control Gate Valves with valve box of the size and class specified, including all fittings and joint restraints for fire hydrant control.

B Materials

Furnish valves and water main materials that conform to Davy Standard Specifications Section III and the AWWA Specifications latest designation specifications.

Install Valves complete with valve box.

Approved manufactures of valves are American Flow Control, Mueller, Clow, or an approved equal.

Joint restraints shall be Meg-A-Lug wedge action type joint restraints manufactured by EBBA Iron Sales or an approved equal.

C Construction

Hydrant Control Valve with valve box shall be furnished, installed, and tested according to Davy Standard Specifications Sections II and VIII. The exact location shall be set at the time of installation. Valves shall be inspected before backfilled.

D Measurement

The department will measure Hydrant Control Valve (size) as each individual valve, 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.0060.104	Hydrant Control Valve 6-Inch	EACH

Payment is full compensation for furnishing all work including blocking, mechanical joints, joint restraint, road box and adjustment of valve box elevations to match flush with sidewalk, pavement, or finished grades within the work area.

36. Gate Valve and Box 10-Inch, Item SPV.0060.105; Gate Valve and Box 6-Inch, Item SPV.0060.106.

A Description

This work consists of furnishing and installing R.S. wedge valves with the new water main, complete with valve box of the size and class specified, furnishing and installing all fittings and joint restraints.

B Materials

All water main materials shall conform to Davy Standard Specifications Section III and the AWWA Specifications latest designation specifications.

Valves to be furnished shall be new meeting the requirements of the Standard specifications. Valves to be installed complete with valve box.

Approved manufactures of valves are American Flow Control, Mueller, Clow, or an approved equal.

R. S. wedge valves to include mechanical joint restraint shall be installed at valves and included in the cost bid of valves.

Joint restraints shall be Meg-A-Lug wedge action type joint restraints manufactured by EBBA Iron Sales or an approved equal.

C Construction

R.S. wedge valves shall be furnished and installed with the new water main and tested according to Davy Standard Specifications Sections II and VIII. The exact location shall be set at the time of installation. Each shall be inspected before backfilled.

D Measurement

The department will measure Gate Valve and Box (size) as each individual valve, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.105	Gate Valve and Box 10-Inch	EACH
SPV.0060.106	Gate Valve and Box 6-Inch	EACH

Payment is full compensation for furnishing all work including blocking, mechanical joints, joint restraints, road box and adjustment of valve box elevations to match flush with sidewalk, pavement, or finished grades within the work area.

37. Connect to Existing Water Main 10-Inch, Item SPV.0060.107; Connect to Existing Water Main 6-Inch SPV.0060.108.

A Description

This item of work consists of connecting to the existing water main of the size and method specified, and furnishing specified fittings.

B Materials

Work and materials under this item shall be according to Davy Standard Specifications Section III & VIII.

All fittings shall be cement lined, compact, ductile iron, seal coated in compliance to the AWWA Specifications latest designation specifications.

C Construction

Connect to Existing Water Main shall be performed in accordance with Davy Standard Specification Sections II & VIII at the locations shown on the plans. This item of work shall include the excavation and exposing of the existing water main at the location of connection to determine the exact location and elevation of the existing pipe, the coordination with City of Arcadia water utility personnel for the temporary shutdown of the existing water main, the notification of all the affected businesses and residences of the time and approximate duration of the shutdown, and all fittings required for the connection of new water main to the existing water main. All connections constructed shall be inspected by the engineer prior to backfill.

Open ends of pipe shall be closed during non-working periods by a watertight plug or other means approved by the engineer. If water is in the trench, the seal shall remain in place until the trench is pumped completely dry.

Cutting pipe shall be done in a neat and workmanlike manner without causing damage to the pipe. The cut edges shall be beveled so as not to cause damage to the gasket when inserted into a fitting.

Water main connection material shall be provided with straps for electrical connectivity requirements.

D Measurement

The department will measure Connect to Existing (size) Water Main as each individual connection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.107	Connect to Existing 10-Inch Water Main	EACH
SPV.0060.108	Connect to Existing 6-Inch Water Main	EACH

Payment is full compensation for excavating & exposing existing watermain pipe, sheeting & shoring, dewatering if necessary, cutting & cleaning existing watermain pipe, blocking, mechanical joints, joint restraints, road box, backfill, compaction and removing sheeting/shoring,

38. Remove Sanitary Manhole, Item SPV.0060.109.

A Description

This item of work consists of removing and disposing of existing brick, block or precast sanitary manholes.

B Materials

C Construction

Bypass wastewater flow to the Arcadia sanitary sewer system prior to removal work. Coordinate with Arcadia Wastewater Utility personnel. Remove existing manhole from the top down in a manner that prevents debris from falling into the sanitary sewer. All debris shall be removed from the construction area and disposed of off-site. The existing sanitary castings shall be removed and become property of the City of Arcadia.

D Measurement

The department will measure Removal Sanitary Manhole as each individual manhole removed, 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.0060.109	Remove Sanitary Manhole	EACH

Payment is full compensation for furnishing all work including excavating and removing the existing manhole, sheeting and shoring, dewatering if necessary, bypassing wastewater flow to the Arcadia sanitary sewer, and backfill, compaction and removing sheeting/shoring.

39. Connect to Existing Sanitary Sewer Main 8-inch, Item SPV.0060.110; Connect to Existing Sanitary Sewer Main 12-inch, Item SPV.0060.111.

A Description

This item of work consists of connecting to the existing sanitary sewer main of the size and method specified, and for furnishing specified fittings.

B Materials

Materials under this item shall be according to Davy Standard Specifications Section III.

C Construction

Connect to Existing Sanitary Sewer Main in accordance with Davy Standard Specification Sections II and IV and shall be performed at the location shown on the plans. Wastewater flow shall be bypassed to the Arcadia sanitary sewer system prior to connection work. Coordinate with Arcadia Wastewater Utility personnel. This item of work shall include the excavation and exposing of the existing sanitary sewer main at the location of connection to determine the exact location and elevation of the existing pipe, and all fittings required for the connection of the new sanitary sewer main to the existing sewer main. All connections constructed shall be inspected by the engineer prior to backfill.

Open ends of pipe shall be closed during non-working periods by a watertight plug or other means approved by the engineer. If water is in the trench, the seal shall remain in place until the trench is pumped completely dry.

Cutting pipe shall be done in a neat and workmanlike manner without causing damage to the pipe. The cut edges shall be beveled so as not to cause damage to the gasket when inserted into a fitting.

New tracer material shall be provided with straps for electrical connectivity requirements.

D Measurement

The department will measure Connect to Existing (size) Sanitary Sewer Main as each individual connection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.110	Connect to Existing 8-Inch Sanitary Sewer Main	EACH
SPV.0060.111	Connect to Existing 12-Inch Sanitary Sewer Main	EACH

Payment is full compensation for furnishing all work including wastewater bypass pumping to the Arcadia sanitary sewer, excavating & exposing existing sanitary sewer pipe, sheeting and shoring, dewatering if necessary, cutting & cleaning existing sewer pipe, connection fittings, road box, backfill, compaction and removing sheeting/shoring.

40. Connect to Existing 6-Inch Sanitary Force Main, Item SPV.0060.112.

A Description

This item of work consists of connecting to the existing force main of the size and method specified, and furnishing specified fittings.

B Materials

Materials under this item shall be according to Davy Standard Specifications Sections III.

All fittings shall be cement lined, compact, ductile iron, seal coated in compliance to the AWWA Specifications latest designation specifications.

C Construction

Connect to Existing Force Main shall be performed in accordance with Davy Standard Specifications Sections II and IV at the location shown on the plans. The existing sanitary force main at Oak St. is for future service and is currently not active. No wastewater flow bypass is necessary. This item of work shall include the excavation and exposing of the existing force main at the location of connection to determine the exact location and elevation of the existing pipe, and all fittings required for the connection of the new force main to the existing force main. All connections constructed shall be inspected by the engineer prior to backfill.

Open ends of pipe shall be closed during non-working periods by a watertight plug or other means approved by the engineer. If water is in the trench, the seal shall remain in place until the trench is pumped completely dry.

Cutting pipe shall be done in a neat and workmanlike manner without causing damage to the pipe. The cut edges shall be beveled so as not to cause damage to the gasket when inserted into a fitting.

The force main connection material shall be provided with straps for electrical connectivity requirements.

D Measurement

The department will measure Connect to Existing (size) Force Main as each individual connection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.112	Connect to Existing 6-Inch Sanitary Force Main	EACH

Payment is full compensation for excavating & exposing existing force main pipe, sheeting & shoring, dewatering if necessary, cutting & cleaning existing force main, mechanical joints, road box, backfill, compaction and removing sheeting/shoring,

41. Sanitary Manhole with Casting 48-Inch I.D., Item SPV.0060.113.

A Description

This item of work consists of furnishing and installing all equipment, labor and materials to construct new sanitary manholes.

B Materials

Materials under this item shall be according to the Davy Engineering Standard Specifications Section III.

All manholes shall be pre-cast, reinforced concrete structures manufactured in a controlled factory environment. Manholes shall have monolithic bases with pipe to manhole seals (boots), and concentric cones. Manholes shall comply with the ASTM standards for pre-cast reinforced concrete manholes, latest designation specifications. Manhole casting shall be Neenah No. R-1550 Type B, Self-Sealing with one (1) concealed pick hole, or approved equal. All new sanitary manholes shall be provided with an external chimney seal, Cretex X85, Adapter Inc. Internal/External Adapter Seal or approved equal.

C Construction

Work shall be in accordance with Davy Standard Specification Sections II & IV. Sanitary Sewer Manholes shall replace existing manholes. Incoming wastewater flow shall be bypassed to the Arcadia Sanitary Sewer system to allow construction. Contractor to coordinate with Arcadia Wastewater Utility personnel. The existing manholes shall be removed from the top down in a manner that prevents debris from falling into the sanitary sewer. All debris shall be removed from the construction area and disposed of off-site. The manhole shall be installed with outside drops as indicated on the plans.

D Measurement

The department will measure Manhole (size) as each individual manhole, 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.0060.113	Sanitary Manhole with Casting 48-Imch I.D.	EACH

Payment is full compensation for furnishing all work including manhole casting, external chimney seal, excavating, dewatering if necessary, bypassing wastewater flow to the Arcadia Street sanitary sewer, setting the manhole structure, connecting to the mainline and side street sewers including out-side drops, and backfill, compaction and removing sheeting/shoring.

42. Sanitary Manhole Outside Drop Structure, Item SPV.0060.114.

A Description

The work under this item shall consist of furnishing and installing a sanitary manhole outside drop structure.

B Materials

Material of outside drop sections for new sanitary manholes shall conform to Davy Standard Specifications Section III.

C Construction

Outside drops shall be constructed to conform to Davy Engineering Standard Specification Sections II & IV. Incoming wastewater flow shall be bypassed to the Arcadia Sanitary Sewer system to allow construction. Contractor to coordinate with Arcadia Wastewater Utility personnel.

D Measurement

The department will measure Sanitary Manhole Outside Drop Structure by each separate structure, acceptably completed.

E Payment

The department will pay for measured quantities at the unit price per each drop structure under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.114	Sanitary Manhole Outside Drop Structure	EACH

Payment is full compensation for furnishing all materials, including pipe and fittings for drop manhole and for reconnection to existing piping, for furnishing all excavation, backfilling, disposal of surplus material; and for bypassing wastewater flow to the Arcadia Street sanitary sewer.

43. Connect to Existing Storm Sewer, Item SPV.0060.115.

A Description

This special provision describes furnishing, installing, and constructing a field connection between existing and new storm sewer pipes.

B Materials

Furnish joint sealing materials conforming to the following:

- Watertight flexible coupling conforming to ASTM D5926 (Fernco or approved equal).
- Concrete conforming to standard spec 3.23.0
- Geotextile Fabric conforming to WisDOT 645.2.2.4, Type DF
- Steel Wire Mesh, 6”x6”, 8-gauge conforming to ASTM A1064

C Construction

Field cut existing storm sewer pipe at planned location and prepare a straight edge or utilize existing joint in good condition. Clean the existing pipe thoroughly. Make pipe connection with approved flexible coupling. Where standard adapters or couplings are unavailable or if authorized by the Engineer, construct a reinforced concrete collar around the joint interface. Wrap joint first with approved filter fabric, providing a minimum joint overlap of 12”. Place 6”x6” Wire Mesh reinforcement around the pipe joint with offset spacing of 3” from the pipe exterior. Construct concrete collar at a minimum thickness of 6”.

D Measurement

The department will measure Connect to Existing Storm Sewer by the each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.115	Connect to Existing Storm Sewer	EACH

Payment is full compensation for pipe joint preparation, furnishing materials, and installing the connection.

44. Water Main Fittings, Item SPV.0085.100.

A Description

This item of work consists of furnishing and installing all compact ductile iron fittings of the size specified to be installed in the water main.

B Materials

Materials under this item shall be according to the Davy Standard Specifications Section III.

Fittings shall ductile iron meeting ASTM C-110 latest designation, 350 psi rated. All reducers, crosses, tees sleeves and bends shall be cement lined, seal coated and conform to the AWWA Specifications latest designation specification. Approved manufactures of ductile iron fittings are American Cast Iron Pipe, U.S. Pipe or an approved equal.

Fittings shall be poly-wrapped. Poly-Wrap shall be 8 mil thickness and meet ASTM C-105, latest designation and shall be installed on all fittings.

Joint restraints shall be Meg-A-Lug wedge action type joint restraints manufactured by EBBA Iron Sales or an approved equal.

C Construction

Construction shall be in accordance with Davy Standard Specification Sections II and VIII. Reducers, Crosses, Tees, Bends and Sleeves shall be installed in new water mains at the locations shown on the plans. The exact location of each fitting shall be determined in the field with the engineer. This item of work shall include cleaning the exterior of the water main and interior of the fitting and disinfecting before the fitting is placed onto the water main and the Meg-A-Lug mechanical joint and the Meg-A-Lug joint restraints are secured. The exact location shall be set at the time of installation. All work shall be inspected by the engineer and the location of each fitting recorded.

Cutting pipe shall be done in a neat and workmanlike manner without causing damage to the pipe. The cut edges shall be beveled so as not to cause damage to the gasket when inserted into a fitting.

All fittings shall be poly wrapped.

D Measurement

The department will measure Water Main Fittings (LB) in weight by the pound, acceptably completed. Each type and size of fitting installed as specified in the contract documents or as required for proper installation of the water main will be counted. Determine the total weight of fittings counted, in pounds, based on the standard fitting weights published in AWWA C153 for ductile iron compact fittings.

E Payment

The department will pay for measured quantities at the unit price per pound for each type and size of fitting at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0085.100	Water Main Fittings	LB

Payment is full compensation for furnishing all work including preparation of the terminal end of the main for connection, Meg-A-Lug mechanical joint restraint, bonding strap, poly-wrap and providing electrical conductivity.

45. Ductile Iron Hydrant Lead 6-Inch, Item SPV.0090.100.

A Description

This work consists of excavating required trenches, removing existing hydrant lead, furnishing and laying ductile iron hydrant lead of the size and class specified, furnishing and installing all joint restraints, polyethylene wrap, disinfecting chemical, flushing the lead, pressure testing and continuity testing and back filling trenches.

B Materials

All water main materials shall conform to Davy Standard Specifications Section III and the AWWA Specifications latest designation.

B.1 Pipe

Pipe shall be cement lined ductile iron pressure class 350 (350 psi) meeting ASTM C-104 latest designation, with minimum wall thickness of 0.25”. Pipe gaskets shall meet ASTM C-111. Approved manufactures of ductile iron water main are American Cast Iron Pipe, U.S. Pipe or an approved equal.

B.2 Pipe Joints

Pipe joints shall be mechanical joint for all fittings and where straight pipe connects to fittings. Pipe joints may be push-on type (slip joint) on straight lengths of pipe.

New gaskets shall be provided at all joints within the replaced water main section. All gaskets shall conform to AWWA specifications and shall have the same pressure rating as the pipe or fitting of which they are a part. Nitrile gaskets to be used in contaminated areas.

Mechanical joint restraint shall be installed at all bends, plugs, tees, reducers and included in the cost bid for pipe installation. Joint restraints shall be Meg-A-Lug wedge action type joint restraints manufactured by EBBA Iron Sales or an approved equal.

B.3 Poly Wrap

Poly-Wrap (polyethylene encasement) shall be 8 mil thickness and meet ASTM C-105, latest designation and shall be installed to all permanently installed water main.

B.4 Pipe Restraint

Pipe restraint shall be Meg-A-Lug wedge action type joint restraints manufactured by Ebba Iron Sales, or an owner approved equal.

C Construction

Hydrant Lead shall be installed according to Davy Standard Specification Section VIII. Comply with all applicable local, state and federal regulations.

D Measurement

The department will measure Ductile Iron Hydrant Lead (size) in length by the linear foot, acceptably completed. Removal and disposal of existing water main hydrant leads shall be considered incidental to the work. All trench excavation and backfilling, including backfill material, compaction, and dewatering shall be considered incidental.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.100	Ductile Iron Hydrant Lead 6-Inch	LF

Payment is full compensation for furnishing all materials, including all fittings, for furnishing all excavation, sheeting and shoring, dewatering if necessary; forming foundation, laying pipe, removing old pipe, sealing joints, and making connections, for testing and disinfecting; for furnishing granular backfill material; and for backfilling, removing sheeting, and clean out.

46. Remove Existing Sanitary Sewer, Item SPV.0090.101.

A Description

This item of work consists of removing and disposing of designated sanitary sewer pipe as shown on the plans.

B Materials

C Construction

Do not remove existing pipe until it is no longer needed to carry sewage.

Excavate as required to expose pipe to be removed. Remove pipe from ground and legally dispose of it. Dispose of any remaining sanitary sewage in pipe according to WDNR requirements for removal and disposal of such contents.

Backfill as specified for trenches, holes and pits according to Davy Standard Specifications Section II and IV.

D Measurement

The department will measure Remove Existing Sanitary Sewer 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.0090.101	Remove Existing Sanitary Sewer	LF

Payment is full compensation for removing and disposing of pipe including excavation, dewatering, backfilling and compaction.

47. Sanitary Sewer Main 8-Inch, Item SPV.0090.102; Sanitary Sewer Main 12-Inch, Item SPV.0090.103.

A Description

This work consists of excavating required trenches, removing existing sanitary sewer main, furnishing and laying PVC sanitary sewer main of the size and class specified, leak testing and back filling trenches.

B Materials

All sanitary sewer materials shall conform to Davy Standard Specifications Sections III.

B.1 Pipe

Pipe shall be SDR 35 PVC meeting ASTM D3034 for pipe between 4” and 15”, latest designation. The PVC material shall be made from PVC resin compounded to meet the physical and mechanical properties that meet or exceed cell class 12454 or 12364 as defined in ASTM D1784.

Approved manufactures of PVC sanitary sewer main are JM Eagle, North American, or an approved equal.

B.2 Pipe Fittings

Fittings installed in-line with sewer pipe shall be compatible with SDR 35 PVC sewer pipe and shall meet ASTM D3034 standards for pipe fittings, latest designation. The PVC material shall be made from PVC resin compounded to meet the physical and mechanical properties that meet or exceed cell class 12454 or 12364 as defined in ASTM D1784. Approved manufactures of PVC sanitary sewer fittings are JM Eagle, North American, or an approved equal.

C Construction

Construct sanitary sewer according to Davy Standard Specifications Sections II & IV. Utilize trench boxes, temporary shoring, and other means as necessary to provide a safe working condition.

Open ends of pipe shall be closed during non-working periods by a watertight plug or other means approved by the engineer. If water is in the trench, the seal shall remain in place until the trench is pumped completely dry.

Cutting pipe shall be done in a neat and workmanlike manner without causing damage to the pipe. The cut edges shall be beveled so as not to cause damage to the gasket when inserted into a fitting.

The flow of wastewater shall be bypassed pumped around the new sanitary main. The contractor shall give notice to the engineer and City of Arcadia Wastewater Utility a minimum of one day in advance of the time he expects to begin work, of the time that will be required, and of the place where he expects to do said work.

D Measurement

The department will measure Sanitary Sewer Main (size) in length by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.102	Sanitary Sewer Main 8-Inch	LF
SPV.0090.103	Sanitary Sewer Main 12-Inch	LF

Payment is full compensation for furnishing all materials, including all fittings, and couplings, for furnishing all excavation, sheeting and shoring, dewatering, if necessary, forming foundation, laying pipe, removing old pipe, sealing joints, and making connections to new or existing fixtures; for furnishing granular backfill material; and for backfilling, removing sheeting and clean out.

48. Water Main C900 6-inch, Item SPV 0090.104; Water Main C900 10-inch SPV 0090.105.

A Description

This work shall consist of excavating required trenches, furnishing and installing water mains of the size and class specified, leak testing and backfilling trenches.

B Material

Water main materials shall conform to Davy Standard Specifications Sections III. Water main shall be polyvinyl chloride pipe conforming to AWWA C900, thickness class DR-18, Pressure Class 235.

Pipe Joints - Joints shall be push-on type with elastomeric gaskets conforming to the requirements of ASTM F477. The wall thickness of the bell section shall conform to ASTM D3139. Provide tracer wire that is rated for direct bury applications, #10 AWG solid copper wire with 30 mil polyethylene jacket. Color shall be blue.

C Construction

Construction of water main shall be in accordance with Davy Standard Specifications Sections II and VIII. Operation of existing valves required in order to construct work shall be performed by City of Arcadia Water Utility personnel unless permission has been given on a case-by-case basis. Contact the City of Arcadia at least 48 hours in advance to coordinate and schedule any required valve manipulation.

Removal and disposal of existing water main shall be considered incidental to the work. All trench excavation and backfilling, including backfill material, compaction, and dewatering shall be considered incidental.

Inspect water main for defects before placing in trench. Lay pipe to the required alignment and grade. Locate hydrants, valves, and fittings according to plans. Remove all foreign matter from the inside of the pipe before installation.

D Measurement

The department will measure Water Main (size) in length by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.104	Water Main C900 6-Inch	LF
SPV.0090.105	Water Main C900 10-Inch	LF

Payment is full compensation for furnishing all materials, including all fittings, and couplings, for furnishing all excavation, sheeting and shoring, dewatering, if necessary, forming foundation, laying pipe, removing old pipe, sealing joints, and making connections to new or existing fixtures; for furnishing granular backfill material; and for backfilling, removing sheeting, and clean out.

49. Sanitary Force Main 6-inch, Item SPV 0090.106.

A Description

This work consists of excavating required trenches, furnishing and laying PVC sanitary force main of the size and class specified, leak testing, and backfilling trenches.

B Materials

Sanitary sewer force main materials shall conform to Davy Standard Specifications Sections III.

B.1 Pipe

Force Main Pipe shall meet the requirements of AWWA C900 or ASTM D2241, latest designation. Approved manufactures of PVC sanitary sewer main are JM Eagle, North American, or an approved equal.

B.2 Pipe Fittings

All fittings shall be ductile iron (DI) and shall conform to the latest revision of ANSI A21.10 (AWWA C153). Joints shall conform to 5.9.B of these standard specifications. Fittings shall have a minimum pressure rating of 250 psi. Unless otherwise specified, the inside coating for fittings shall be a bituminous material conforming to all appropriate requirements in ANSI A21.4 (AWWA C104) latest revision. Fittings include all bends, tees, crosses, reducers, sleeves, plugs and caps.

The usage of "compact ductile iron" mechanical joint water main fittings shall be permitted providing they

meet the following specifications:

- Materials - Ductile Iron ASTM A536, AWWA C110 (ANSI A21.10)
- Pressure - Class 350 AWWA C153 (ANSI A21.10) 350 PSI water working pressure
- 6999-09-72 37 of 71
- Testing - AWWA C153 (ANSI A21.10)
- Gasket - AWWA C111 (ANSI A21.11)
- Bolts - AWWA C111 (ANSI A21.11)

- Lining - Inside coating shall be bituminous material conforming to AWWA C104 (ANSI A21.4)

C Construction

Construct sanitary sewer force main according to Davy Standard Specifications Section II and IV.

Utilize trench boxes, temporary shoring, and other means as necessary to provide a safe working condition.

Open ends of pipe shall be closed during non-working periods by a watertight plug or other means approved by the engineer. If water is in the trench, the seal shall remain in place until the trench is pumped completely dry.

Cutting pipe shall be done in a neat and workmanlike manner without causing damage to the pipe. The cut edges shall be beveled so as not to cause damage to the gasket when inserted into a fitting.

The existing sanitary force main is for future service and is currently not active. No wastewater flow bypass is necessary.

D Measurement

The department will measure Sanitary Force Main (size) in length 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.0090.106	Sanitary Force Main 6-Inch	LF

Payment is full compensation for furnishing all materials, including all fittings, and couplings, for furnishing all excavation, sheeting and shoring, dewatering, if necessary, forming foundation, laying pipe, sealing joints, and making connections to new or existing fixtures; for furnishing granular backfill material; and for backfilling, removing sheeting and clean out.

50. Management of Contaminated Groundwater, Item SPV.0120.001.

A Description

This special provision describes dewatering, collection and disposal of contamination groundwater and any incidentals necessary to manage contaminated groundwater within the project as specified or as shown in the plans or as authorized by the Engineer.

The department completed testing for groundwater contamination within this project where excavation is required. Testing indicated that petroleum-contaminated groundwater is present or likely to be present at the following locations as shown on the plans:

- Station 122+94 to 123+55, from reference line to construction limits LT, at a depth of approximately 5 feet below existing grades.

If odors are observed during dewatering activities at other locations on the project, terminate dewatering activities and notify the engineer.

B (Vacant)

C Construction

Modify subsection 205.3 of the standard specification to include the following:

Control activities in the contaminated areas to minimize the amount of dewatering required. Allow contaminated water encountered, but not requiring removal as a standard course of construction, to remain in-place and do not manage in accordance with this special provision.

Pump contaminated water into the sanitary sewer or into temporary holding tanks for on-site or offsite treatment and disposal as necessary to complete construction. Make every effort to minimize the amount of silt, sand, sediment, and other deleterious substances discharged during dewatering operations.

Obtain approval from the City of Arcadia Wastewater Utility Department (AWUD) prior to discharge of contaminated water to the sanitary sewer. If accepted by the AWUD, restrictions will likely be placed on contaminated water concentrations and/or pumping rates. Perform all necessary monitoring to document compliance with AWUD discharge requirements. Furnish, install, operate, maintain, disassemble, and remove all equipment necessary to comply with AWUD discharge requirements.

If contaminated water is not discharged to the sanitary sewer, then means and methods together with dewatering pumping rates will impact the characterization of discharged water and requirements for treatment and disposal. The DNR's concurrence with plans to accomplish dewatering will be required and include limits on impacted water that can be discharged to the surface. Pump tests with sampling and laboratory analysis of water generated during dewatering operations in the contaminated areas will likely be required. If water is discharged to the surface, meet all applicable requirements of the Wisconsin Pollution Discharge Elimination System (WPDES) General Permit for Discharge of Petroleum Contaminated Groundwater from Remedial Action Operations. This includes, but is not limited to, pretreatment of water, if required, to meet WPDES discharge requirements. Perform all necessary monitoring to document compliance with WPDES requirements. Furnish, install, operate, maintain, disassemble, and remove treatment equipment necessary to comply with WPDES requirements.

Ensure continuous dewatering and excavation safety at all times for all dewatering methods. Provide, operate, and maintain adequate pumping equipment and drainage and disposal facilities. Notify the engineer of any dewatering activities, and obtain any permits necessary to discharge water. Provide copies of such permits to the engineer. Meet any requirements and pay any costs for obtaining and complying with such permit use. Follow all applicable legislative statues, judiciary decisions, and regulations of the State of Wisconsin.

D Measurement

The department will measure Management of Contaminated Groundwater by the gallons of contaminated water pumped, as measured on a flow meter provided by the contractor. The meter shall be accurate to within 2 percent.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0120.001	Management of Contaminated Groundwater	MGAL

Payment is full compensation for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

51. Methacrylate Flood Seal, Item SPV.0180.001.

A Description

This special provision describes surface preparation of bridge deck, furnishing and applying a protective methacrylate sealer and broadcast sand, and any incidentals necessary to complete the project as specified or as shown in plans or as authorized by the Engineer.

B Materials

The bridge deck sealer shall consist of a methacrylate sealant, sand to prefill cracks, and broadcast sand.

B.1 Methacrylate Sealant

The following methacrylate sealants are acceptable for use provided that the requirements of these specifications are met:

Product	Manufacturer
MasterSeal 630 (formerly Degadeck Crack Sealer Plus)	BASF
T-78	Transpo Industries
KBP 204 P SEAL	Kwik Bond Polymers

or an approved equal

B.2 Fine Grade Sand

Provide fine grade sand for prefilling large cracks unable to be prefilled with sealant alone. Fine grade sand shall pass the No. 20 sieve and be retained on the No. 40 sieve.

Submit sand material data to the Engineer for review and address all written comments. Submit storage and use plan to the Engineer documenting procedures for maintaining dry sand and within gradation requirements above.

B.3 Broadcast Sand

Provide a commercial quality dry blast sand with an average absorption of no more than 1%. 95% of the sand shall pass the No. 8 sieve and at least 95% shall be retained on the No. 20 sieve.

C Construction

C.1 General

C.1.1 Pre-Installation Conference

Conduct a pre-installation conference with the manufacturer's representative prior to construction to establish procedures for maintaining optimum working conditions and coordination of work. Furnish the engineer with a copy of the recommended procedures and the manufacturer’s instructions.

C.1.2 Contractor Personnel Requirements

Experienced personnel are required to be actively present during the seal application.

A technical representative from the sealer manufacturer must be present during first application. The need for manufacturer’s representative may be waived if the contractor provides evidence and reference contacts for work involving at least 5 bridges treated with the same products and within the last two years. Contractor experience record in no way relieves the contractor from applying in accordance with this specification and as recommended by the manufacturer.

C.1.3 Material Storage and Safety Plan

Store resin materials in their original containers in a dry area. Store and handle materials according to the manufacturer’s recommendations. Store all aggregates in a dry environment and protect aggregates from contaminants on the job site.

Safety Plan: Prior to arrival of the product on the job site, provide a product shipping, storage, and use safety plan to detail how the product will be delivered and stored on site in a manner that will not allow the constituent components to come in contact with each other in the event of a spill or container leakage. This plan must also include a description of the safety training workers applying the product have received regarding the product's use, and list any and all safety precautions which must be taken during application of the product.

C.2 Surface Preparation

C.2.1 General

Prepare the entire deck (or portion of the deck to be overlaid in one placement when staged construction is being employed) to ensure the concrete surface is dry, thoroughly clean, and free from dust or other loose material. Prepare concrete surfaces in accordance with these specifications dependent on whether the surfaces are of recently cast concrete (new construction) or of existing concrete.

Do not remove or damage striping or traffic markings in sound condition.

Do not perform surface preparation more than 24 hours prior to the application of the methacrylate sealer. The prepared surface shall not be exposed to vehicular or pedestrian traffic other than that required for sealer placement and approved by the Engineer. If the prepared surface is reopened to traffic prior to sealer placement, the surface shall be re-inspected for any contaminates and subsequently remove contaminates by use of abrasive blasting or shotblasting at no additional cost to the department.

The engineer may consider alternate surface preparation methods per the methacrylate sealer manufacturer's recommendations. The engineer must approve the final surface preparation and deck cleanliness prior to the contractor placing the methacrylate sealer. Prior to methacrylate sealer placement, cure concrete for a minimum of 21 days.

C.2.2 Surface Preparation for New Construction

Remove substances such as dirt, oil, curing compound, paint, grease, slurry, laitance, and other foreign or potentially detrimental materials by water blasting, light sandblasting, wire brushing, or other methods acceptable to the Engineer, all in accordance with the penetrant sealer manufacturer's recommendations. Determine an acceptable method that removes substances without damaging the underling substrate. Concrete removals shall not exceed 1/16 inch in depth.

C.2.3 Surface Preparation for Existing Concrete

Remove substances such as dirt, oil, asphalt, rubber, paint, carbonation, grease, slurry, membranes, rust, weak surface mortar, laitance, and other foreign or potentially detrimental materials by abrasive blasting. Determine an acceptable shotblasting machine operation (size of shot, flow of shot, forward speed, and/or number of passes) that provides a surface profile meeting CSP 3 (light shotblast) according to the ICRI Technical Guideline No. 310.2. If the engineer requires additional verification of the surface preparation, test the tensile bond strength according to ASTM C1593. The surface preparation will be considered acceptable if the tensile bond strength is greater than or equal to 250 psi or the failure area at a depth of 1/4 inches or more is greater than 50 percent of the test area. Continue adjustment of the shotblasting machine and necessary testing until the surface is acceptable to the engineer or a passing test result is obtained. Prepare the entire deck using the final accepted adjustments to the shotblasting machine as determined above. Thoroughly blast clean with hand-held equipment any areas inaccessible by the shotblasting equipment.

C.2.4 Concrete Surface Cleaning Operation

Just prior to methacrylate sealer placement, clean all dust, debris, and concrete fines from the deck surface including vertical faces of curbs and barrier walls up to a height of 2-in above the surface with compressed air. Use a direct 125 psi air blast, from a compressor unit with a minimum pressure of 365 ft3 / min., over the entire surface to remove all dust and debris paying special attention to carefully clean all deck cracks. Use a suitable oil trap between the air supply and nozzle. Use ASTM D4285 "Standard Test Method for Indicating Oil or Water in Compressed Air" to ensure the compressed air is oil and moisture free. The air stream must be free of oil and moisture. Any grease, oil, or other foreign matter that rests on or has absorbed into the concrete shall be removed completely.

Perform a visual inspection of the surface that is to receive the methacrylate sealer. Locate and mark all cracks greater than 0.024 inch. Unless directed otherwise on the plans, prefill all cracks greater than 0.024 inch with the same methacrylate sealer or a pre-promoted version of the sealer prior to the methacrylate sealer. Where sealant soaks-in/withdraws from top of crack, place fine grade sand in crack

and reapply methacrylate sealant to seal to top of crack. When sealant has not retreated after gel time, the crack is considered prefilled. Do not fill crack with sand beyond top of concrete surface.

Protect drains, expansion joints, access hatches, or other appurtenances on the deck from damage by cleaning and blasting operations and from material adhering and entering. Tape or form all construction joints to provide a clean straight edge.

Provide shielding as necessary to prevent dust or debris from striking vehicular traffic.

Air dry a wet deck for a minimum of forty-eight (48) hours before applying the sealer. Dry time may be reduced to 24 hours if an approved ASTM D4263 moisture test reveals the concrete is dry. Do not apply sealer materials during wet weather conditions or if adverse weather conditions are anticipated within twelve (12) hours of the completion of sealer application. Do not mix or apply any of these products at temperatures lower or higher than those specified in their product literature. Apply the sealant at the coolest time of the day within these limitations. Application by spray methods will not be permitted during windy conditions, if the Engineer predicts unsatisfactory results.

The Engineer shall approve the prepared surface prior to applying the methacrylate sealer.

C.3 Application of the Sealer

Apply the sealer conforming to the manufacturer's instructions.

Apply an approved methacrylate to bridge deck or on surfaces as directed by the Engineer. At least 30 calendar days before the start of the work, provide the Engineer with the sealer Manufacturer's written instructions for application and use.

Do not thin or alter the methacrylate sealer unless specifically required in the Manufacturer's instructions.

Mix the sealer before and during its use as recommended by the Manufacturer. Distribute the sealant as a flood coat in a gravity-fed process by broom, roller, or with a spray bar near the surface so the spray pattern and coverage rates are reasonably uniform to the satisfaction of the Engineer. Apply the sealant at a minimum rate of 90 square feet/gallon.

Protect all expansion joints and prevent the crack sealant from contacting the strip seal glands. Protect all striping and traffic markings from marring, sealant application and reduction in reflective properties. Replace any striping and traffic markings that are marred by sealant.

Prior to completion of gel time of the flood seal and before broadcasting sand, broom uncured sealant in the direction of tining or deck grooves to promote maintenance of the deck texture for traction.

Broadcast sand to refusal into uncured resin to create traction and absorb sealant that is not penetrating into cracks. Broadcast approved sand into the wet, uncured resin no sooner than 10 minutes after applying resin but within gel time of product, unless directed otherwise by the Manufacturer. Apply approved sand at a minimum rate of 250 lbs. per 1000 square feet.

Allow the sealant to dry according to the Manufacturer's instructions. Do not allow vehicular traffic onto the treated areas until the sealer has dried and the treated surfaces provide safe skid resistance and traction. Remove non-adhered sand from bridge deck and joints by power sweeping the deck and vacuuming the joints. Traffic or equipment will be allowed on the sealed deck after the Engineer has determined:

- The treated deck surface is tack-free and non-oily;
- The sand cover adheres and resists brushing by hand;
- Excess sand and absorbent material has been removed; and
- No sealant material will be tracked beyond limits of treatment by traffic

D Measurement

The department will measure Methacrylate Flood Seal bid item in area by the square yard acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.001	Methacrylate Flood Seal	SY

Payment for Methacrylate Flood Seal is full compensation for furnishing and applying the sealer to the bridge decks, as described above, including surface preparation, and all incidentals thereto. Cleanup of

excess sand in joints and on bridge deck will not be paid for separately. Restoration of damaged or marred striping will be considered incidental to application requirements of Methacrylate Flood Seal. (20241028)

52. Removing Distressed Pavement Milling, Item SPV.0180.002.

A Description

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

B (Vacant)

C Construction

C.1 Milling

Use a milling machine designed and constructed for milling pavements without tearing or gouging the underlying surface. Space the teeth on the drum to mill a surface finish that is acceptable to the engineer. Shroud the machine to prevent discharge of any loosened material into adjacent work areas or live traffic lanes. Equip the machine with electronic devices that provide accurate depth, grade, and slope control, and an acceptable dust control system.

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

Any milled surface will not be allowed during nonworking hours. Windrowing or storing of the removed milled asphaltic pavement on the road is only permitted in connection with the continuous removal and pick-up operation. During nonworking hours, clear the road of waste materials and equipment.

The removed material shall become the property of the contractor. Properly dispose of it in accordance with section 204 of the standard specifications.

C.2 Cleaning

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

C.3 Pavement Prep

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

D Measurement

The department will measure Removing Distressed Pavement Milling by the square yard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.002	Removing Distressed Pavement Milling	SY

Payment is full compensation for removing the asphaltic surface; cleaning the milled surface; and for disposing of waste material. Tack Coat and Asphaltic Surface will be paid for separately.

swr-204-006 (20180824)

ADDITIONAL SPECIAL PROVISION 4

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

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

Acceptance and Final Payment

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

Additional Special Provision 6 (ASP-6)
Modifications to the standard specifications

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Additional Special Provision 6 (ASP-6)
Modifications to the standard specifications

Make the following revisions to the standard specifications.

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104 Scope of Work

104.2.2 Issuing Change Orders

Replace subsection 104.2.2 with the following and rearrange to add a 104.2.2.7 effective with the February 2026 letting.

104.2.2.1 Change Orders for Differing Site Conditions

(1) During the progress of the work, if one or more of the following differing conditions are encountered at the site, the party discovering the condition must promptly notify the other party of the specific condition before further disturbing the site and before further performing the affected work.

1. A subsurface or latent physical condition, differing materially from those indicated in the contract.
2. An unknown physical condition of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work specified in the contract.

(2) If the contractor discovers the differing condition, the contractor shall provide oral notification as specified in 104.3.2, of the specific differing condition before further disturbing the site and before further performing the affected work.

(3) The project engineer will investigate the conditions. If the project engineer determines the conditions materially differ and cause an increase or decrease in the cost, time, or both, required to perform the work under the contract, the project engineer will adjust the contract price, time, or both, and modify the contract in writing accordingly. The project engineer will respond to the contractor as to whether or not an adjustment is warranted. The project engineer will follow the contractor notification procedures specified in 104.3.

(4) The department will not allow a contract adjustment unless the contractor has provided the required notice as specified in 104.3.

104.2.2.2 Change Orders for Engineer-Ordered Suspensions

(1) If the project engineer suspends or delays the performance of all or any portion of the work in writing for an unreasonable period of time (not originally anticipated, customary, or inherent to the construction industry) and the contractor believes that additional payment, contract time, or both, is due because of the suspension or delay, the contractor shall notify the engineer as specified in 104.3.

(2) The project engineer will evaluate the contractor's request. If the project engineer agrees that the cost, time, or both, required for the performance of the contract has increased due to the suspension or delay and the suspension or delay was caused by conditions beyond the control of and not the fault of the contractor, its suppliers, or subcontractors at any approved tier, and not caused by weather, the project engineer will make an adjustment and modify the contract in writing accordingly. The project engineer will respond to the contractor as to whether or not an adjustment is warranted as specified in 104.3.6.

(3) The project engineer will not consider a contract adjustment unless the contractor submits the request for adjustment within the time specified above.

(4) The project engineer will not consider a contract adjustment under this clause to the extent that the performance would have been suspended by any other cause, or for which an adjustment is provided or excluded under any other term or condition of this contract.

104.2.2.3 Change Orders for Altered Work

(1) If original contract work is altered from what is included in the contract, the department will adjust the contract if the character of the work as altered differs materially in kind or nature from that involved or included in the original contract.

(2) Before performing altered work, reach agreement with the project engineer for any price adjustments as specified in 109.4. If the project engineer does not agree that the work has significantly changed and a price adjustment is justified, follow the notification procedures as specified in 104.3.

(3) If the alterations do not significantly change the character of the work under the contract, the department will not adjust the contract.

104.2.2.4 Change Orders for Quantity Variations

(1) If all original contract work for a bid item is completed as required in the contract, and the measured quantity for that bid item varies from the contract quantity, the department will adjust the contract if the department or contractor demonstrates that the quantity variation affects the contractor's unit cost to perform the work and

meets one of the criteria below. If the quantity variation does not significantly change the character of the work under the contract, the department will pay for the work at the contract price.

1. The quantity of a major bid item, as defined in 101.3, is increased in excess of 125 percent or decreased below 75 percent of the original contract quantity. Any allowance for an increase in quantity applies only to that portion in excess of 125 percent of the original contract bid item quantity, or in case of a decrease below 75 percent, to the work actually performed.
2. The quantity of a minor bid item is increased to become a major bid item. An adjustment in the contract unit price for that bid item applies only to the quantity of that bid item having a contract value as follows:

   Original Contract < $8M: In excess of 6.25 percent of the original contract.

   Original Contract >= $8M: In excess of $500,000.
3. The quantity of a minor bid item that is part of an approved subcontract and that exceeds 10 percent of the original value of that subcontract is decreased more than 50 percent from the original contract quantity for that bid item. Either party to the contract may submit a request for a revision to the contract unit price for that bid item. The department's total payment for the final reduced quantity will not exceed 75 percent of the original contract quantity at the contract price.
4. The quantity of a minor bid item that is part of an approved subcontract and that exceeds 10 percent of the original value of that subcontract is increased more than 50 percent from the original contract quantity for that bid item and which as increased does not qualify for adjustment as a major bid item. Either party to the contract may submit a request to the other for a revision of the contract unit price for that quantity of the bid item that is in excess of 125 percent of the original contract quantity.

104.2.2.5 Change Orders for Extra Work

(1) The department has the right to direct extra work not required in the original contract, as defined in 101.3.

(2) The engineer will determine payment for extra work as specified in 109.4.

104.2.2.6 Change Orders for Eliminated Work

(1) The department has the right to partially eliminate or completely eliminate work the project engineer finds to be unnecessary for the project. If the project engineer partially eliminates or completely eliminates work, the project engineer will issue a change order for a fair and equitable amount as specified in 109.5.

104.2.2.7 Change Orders for Revisions to Contract Time

(1) The department will issue a change order to revise the contract time as specified in 108.10.

104.6 Roadway Maintenance and Traffic Control

104.6.1.2.3 Drop-Off Protection

Replace subsection with the following effective with the November 2025 letting.

(1) Eliminate vertical drop-offs greater than 2 inches and edge slopes steeper than 3:1 between adjacent lanes open to traffic.

(2) If the roadway remains open to through traffic during construction and a greater than 2-inch drop-off occurs within 3 feet or less from the edge of the traveled way, eliminate the drop-off within 48 hours after completing that days work. Provide aggregate shoulder material compacted to a temporary 3:1 or flatter cross slope from the surface of the pavement edge.

(3) Unless the engineer allows otherwise address drop-offs when they exist greater than 3 and less than 8 feet from the travelled way as follows:

- Delineate vertical drop-offs 2 inches or greater and edge slopes steeper than 3:1 with drums, barricades, and signs, by the end of the workday.
- Eliminate vertical drop-offs 2 inches or greater and edge slopes steeper than 3:1 within 72 hours or before a weekend or holiday whichever comes first.
- Eliminate or use temporary concrete barrier to protect vertical drop-offs 4-inches or greater after 72 hours or before a weekend or holiday whichever comes first.

(4) If a 4-inch or greater vertical drop-off or an edge slope steeper than 3:1 exists greater than 8 and less than 15 feet from the traveled way, delineate that drop-off or edge slope with drums, barricades, and signs by the end of the workday.

(5) If a 12-inch or greater vertical drop-off exists greater than 8 and less than 15 feet from a traveled way with a posted speed limit of 55 mph or greater, eliminate or use temporary concrete barrier to protect that drop-off within 72 hours or before a weekend or holiday whichever comes first.

104.6.1.2.4 Hazard Protection on Roads Open to All Traffic

Replace subsection with the following effective with the November 2025 letting.

(1) On roads open to all traffic; conform to the following construction clear zone requirements:

- Posted speeds 45 mph or less: within 8 feet of the travelled way.
- Posted speeds from 45 mph to 55 mph inclusive: within 10 feet of the travelled way.
- Posted speeds above 55 mph: within 15 feet of the travelled way.

(2) Remove all construction debris, stored materials, and equipment not in use from the construction clear zone; or if the engineer allows, delineate and shield with concrete barrier.

(3) Delay removal of existing permanent roadside safety devices until necessary. When located within the construction clear zone and not shielded by concrete barrier, use temporary traffic control drums to delineate bridge abutments, concrete barrier blunt ends, sign bridge foundations, drainage structures, and slopes exposed by removing permanent protective measures.

- For exposed bridge abutments, concrete barrier blunt ends, sign bridge foundations, and drainage structures, eliminate the need for delineation within 5 calendar days.
- For exposed slopes steeper than 3:1, eliminate the need for delineation within 14 calendar days , or duration approved by the engineer.

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105 Control of the Work

105.13 Claims Process for Unresolved Changes

Replace subsection with the following effective with the February 2026 letting.

105.13.3 Submission of Claim

(1) Submit the claim to the project engineer as promptly as possible following the submission of the Notice of Claim. If the contractor does not submit the claim prior to the earlier of the following dates, the department will deny the claim:

1. 120 calendar days from the date of the Notice of Claim.
2. The end of the time allowed under 109.7 for the contractor to respond in writing to the engineer issued semi-final estimate.

(2) The department will not accept the submission of a claim until the resolution process in 104.3 has been completed and the contractor makes no further requests to submit updated information that may affect the region's final decision.

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107 Legal Relations and Responsibility to the Public

Add section 107.27 (Drones or Unmanned Aircraft Systems (UAS)) effective with the November 2024 letting.

107.27 Drones or Unmanned Aircraft Systems (UAS)

107.27.1 Licensing and Compliance

Add paragraph 107.27.1(5) to the information included with the November 2024 ASP-6, effective with the February 2026 letting.

(1) Obtain and possess the necessary Federal Aviation Administration (FAA) licenses and certifications to operate drones commercially (https://www.faa.gov/uas).

(2) Comply with all FAA regulations, airspace restrictions, and local laws. Operators of small drones that are less than 55 pounds for work or business must follow all requirements as listed in Title 14, Chapter 1, Subchapter F, Part 107 of the Code of Federal Regulations (14 CFR) and obtain a remote pilot certificate (https://www.faa.gov/uas/commercial_operators).

(3) Comply with Wisconsin State Statute 942.10. Limit operations to the specific approved purpose and employ reasonable precautions to avoid capturing images of the public except those that are incidental to the project.

(4) Provide copies of waivers required for specific project conditions to the engineer prior to any flight.

(5) UAS and UAS components are required to be compliant with federal guidelines outlined in the American Security Drone Act of 2023 (ASDA) and the OMB memorandum M-26-02.

107.27.2 Flight Approval, Safety, and Incident Reporting

(1) Submit information in 107.27.2(2) to obtain written drone flight approval from the engineer at least 3 business days prior to operating a drone within the right-of-way. Do not operate a drone within the right-of-way unless approved by the engineer.

(2) Drone flight application for review and approval must include:

- UAS pilot information and qualifications, images of certification
- UAS drone information and FAA tail numbers
- Max/ Min allowable flight parameters (weather)
- Specifics of flight mission: capture scope

- Estimated flight duration
- Pre-flight checklist
- Site-specific parameters
- Notification protocols - Federal/Local/Agency/Owner/Responsible in Charge
- Confirmation and verification of approved operators and hardware
- Flight plan map diagram (including launch and landing location)
- FAA-Airspace flight map classification and confirmation with graphics
- UAS incident management protocol

(3) If contractor is requesting multiple types of the same flight, a simplified request can be submitted listing weekly flight plan.

(4) Safety measures must include but are not limited to:

- Regular training and updates on drone regulations are required and must be provided upon request.
- Drones must be operated in accordance with safety guidelines, including maintaining a safe distance from people, structures, vehicles, etc.
- Conduct a pre-flight safety assessment, considering weather conditions, airspace restrictions, and potential hazards.
- Emergency procedures (e.g., drone malfunction, loss of control) must be documented and followed.
- All incidents must be reported to the engineer.

(5) If the drone has an incident during flight, report the following to the engineer:

- Incident background and details.
- FAA (14 CFR 107.9) and NTSB (49 CFR 870) notification protocol.
- Contractor internal notification protocol.

107.27.3 Insurance Requirements

(1) Maintain drone liability insurance with the following limits.

1. For drones weighing 10 pounds or less, a liability policy with a minimum limit of $1,000,000.00 is required.
2. For drones weighing more than 10 pounds and less than or equal to 20 pounds, a liability policy with a minimum limit of $2,000,000.00 is required.
3. For drones weighing more than 20 pounds, notify engineer and department will determine appropriate liability policy coverage levels based on size, use, location, and other risk factors.

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305 Dense Graded Base

305.3.3.3 Shoulders Adjacent to Asphaltic Pavement or Surfacing

Replace subsection with the following effective with the November 2025 letting.

(1) If the roadway is closed to through traffic during construction, construct the aggregate shoulders before opening the road.

(2) If the roadway remains open to through traffic during construction, conform as specified in 104.6.1.2.3.

(3) Provide and maintain signing and other traffic protection and control devices, as specified in 643, until completing shoulder construction to the required cross-section and flush with the asphaltic pavement or surfacing.

310 Open-Graded Base

310.2 Materials

Replace paragraph (2) with the following effective with the November 2025 letting.

(2) The contractor may substitute material conforming to the gradation requirements for crushed aggregate specified in table 310-01 if that material conforms to the fracture requirements for open-graded crushed gravel specified in 301.2.4.5.

TABLE 310-01 COARSE AGGREGATE (% passing by weight)

AASHTO No. 67 [1]

SIEVE	COARSE AGGREGATE (% PASSING by WEIGHT) AASHTO No. 67
2-inch	-
1 1/2-inch	-
1-inch	100
3/4-inch	90 - 100
1/2-inch	-
3/8-inch	20 - 55
No. 4	0 - 10
No. 8	0 - 5
No. 16	-
No. 30	-
No. 50	-
No. 100	-
No. 200	-

[1] Size according to AASHTO M43.

415 Concrete Pavement

415.3.16 Tolerance in Pavement Thickness

415.3.16.4.1.2 Magnetic Pulse Induction

Replace subsection with the following effective with the November 2025 letting.

(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) The department will establish a project reference plate at the start of each paving stage. The department will notify the contractor of project reference plate locations before testing. The department will measure the project reference plate before each day of 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 fall 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.
- Perform coring according to WTM T24. The department will evaluate the results according to AASHTO T148
- Fill core holes with concrete or mortar.

416 Concrete Pavement - Repair and Replacement

416.2 Materials

416.2.1 General

Replace paragraph (3) with the following effective with the November 2025 letting.

(3) The contractor may use accelerating admixtures for concrete placed under SHES bid items as follows:

1. If using calcium chloride,
   - AASHTO M144, type S as grade N1 or grade N2, class A.
   - AASHTO M144, type L in a concentration of approximately 30 percent for premixed solutions.
2. If using non-chloride accelerators, conform to:
   - AASHTO M194, type C accelerating admixtures.
3. Do not exceed the manufacturer's recommended maximum dosage.
4. If the engineer requests, provide a written copy of the manufacturer's dosage recommendations.

416.2.4 Special High Early Strength Concrete Pavement Repair and Replacement

416.2.4.1 Composition and Proportioning of Concrete

Add paragraph (4) to subsection effective with the November 2025 letting.

(4) The contractor may use pre-packaged horizontal rapid set concrete patch material from the APL for partial and full-depth pavement repairs instead of specified grades of concrete.

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420 Diamond Grinding

420.3.4 Residual Disposal

Replace subsection with the following effective with the November 2026 letting.

(1) Remove solid and liquid grinding residues from the roadway by vacuuming. Leave the roadway in a clean, damp condition immediately behind the grinding machine. Remove residue immediately in areas of cross traffic. Do not allow residue and water to flow or blow across lanes used by public traffic.

(2) Do not allow solid and liquid grinding residues to enter any storm sewer, waterway, wetland, or other drainage conveyance system.

(3) Contractor is responsible for the disposal of solid and liquid grinding residues. Dispose of solid and liquid grinding residues in accordance with regulatory requirements at an acceptable disposal site. Perform all necessary coordination with the regulatory agency and disposal site owners and operators.

(4) Submit disposal methods and proposed disposal site information with the ECIP.

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506 Steel Bridges

506.1 Description

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) This section describes fabricating, furnishing, casting, machining or preparing otherwise, delivering, installing, and erecting the steel and miscellaneous metals required for steel bridges, or metal parts of other bridges.

506.2.6 Elastomeric Bearings

506.2.6.1 General

Replace subsection with the following effective with the November 2026 letting.

(1) Furnish laminated bearings from the APL of laminated elastomeric bearings

(2) Manufacture bearings according to AASHTO M251 except replace the requirements of sections 4.1 and 4.2 with the following:

- Use virgin crystallization resistant polychloroprene, or virgin natural polyisoprene as the raw polymer. Use only new material with no reclaimed material incorporated in the finished bearing.
- Provide elastomer with durometer hardness of 60 on the Shore "A" scale. Provide elastomer compounds classified as low-temperature zone D, grade 4 or 5, meeting the requirements of AASHTO LRFD Bridge Design Specifications, table 14.7.5.2-1.
- Conform to the following physical properties:

	POLYISOPRENE (NATURAL RUBBER)	POLYCHLOROPRENE (NEOPRENE)
Grade (durometer)	60±5	60±5
Physical properties		
Hardness (ASTM D2240)	60+/-5	60+/-5
Tensile strength (ASTM D412), psi	2500	2500
Ultimate elongation, minimum percent	400	400
Low temperature brittleness (ASTM D2137, Test method C)		
Grade 4, test at -54°F	No Failure	No Failure
Grade 5, test at -71°F	No Failure	No Failure
Laminated pad adhesion test (ASTM D429, method B)		
Bond strength, psi	40	40

506.2.7 Welded Stud Shear Connectors

Replace paragraph (3) with the following effective with the November 2026 letting.

(3) Determine tensile properties according to ASTM A370. Perform tensile tests of finished studs on studs welded to test plates using a test fixture similar to figure 9.2 of clause 9 of AWS D1.5 (2025). If fracture occurs outside the middle half of the gauge length, repeat the test.

506.3 Construction

506.3.1 General

506.3.1.1 Primary Members

Replace subsection with the following effective with the November 2026 letting.

(1) Components not listed in 506.3.1.2 or 506.3.1.3 are considered primary members unless otherwise noted in the contract documents. Ensure that primary members are fabricated by an approved fabricator selected from the APL for primary members.

(2) Ensure that the fabricator does the following:

- Submits department form DT2330 electronically to the department's fabrication library for each structure before fabrication.
- Submits and updates weekly fabrication progress reports on department form DT2172 electronically to the department's fabrication library for each structure during fabrication.

506.3.1.2 Secondary Members

Replace subsection with the following and retitle subsection effective with the November 2026 letting.

(1) Materials used in the following applications are considered secondary members

- Fabricated Bridge Components: steel diaphragms for concrete bridges, diaphragms and cross-frames for steel bridges (except for horizontally curved bridges), railing assemblies (including guard rail connections), expansion joint devices (including protection angles), and bearing assemblies (including sole plates, masonry plates).
- Laminated elastomeric bearings
- Stud shear connectors
- Fill plates
- Ballast plates
- Drainage systems

(2) Ensure that fabricated bridge components are manufactured by an approved fabricator selected from the APL for fabricated bridge components.

(3) For fabricated bridge components, ensure the fabricator submits a fabrication progress report on department form DT2334 electronically to the department's fabrication library. Update this form weekly for each component in fabrication.

(4) Ensure that sole plates and ballast systems are fabricated by an approved fabricator selected from the APL for fabricated bridge components or primary members.

(5) Ensure that stud shear connectors meet the requirements of 506.2.7 and 506.3.20.

506.3.1.3 Other Structural Steel Components

Add subsection effective with the November 2026 letting.

(1) Ensure that soldier pile walls with tieback anchor assemblies are fabricated by an approved fabricator selected from the APL for soldier pile wall with tie back anchors. Tieback anchor assemblies include but is not limited to the cover plates and extra strong steel pipe.

506.3.2 Shop Drawings

Replace paragraphs (2) and (3) with the following effective with the November 2026 letting.

(2) Submit shop drawings to the engineer conforming to 105.2 with electronic submittal to the fabrication library under 105.2.2. Also certify that shop drawings conform to quality control standards before fabrication by submitting department form DT2333 for primary members and department form DT2327 for fabricated bridge components with each set of shop drawings. Department review does not relieve the contractor from responsibility for errors or omissions on shop drawings. Shop drawings for drainage systems do not need to be submitted to the fabrication library under 105.2.2.

(3) Shop drawings are part of the contract. The department must approve differences between shop drawings and contract plans. The contractor bears the costs of department-approved substitutions. Do not deviate from or revise drawings without notifying the department and resubmitting revised drawings and an updated department form DT2333 and DT2327 for primary members and fabricated bridge components respectively.

506.3.4.2 Camber

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) If the plans show, camber rolled beams conforming to a uniform, approximately circular curve for the entire length of the beam or between designated points. Ensure the camber is within the tolerance specified in the current editions of the American Institute of Steel Construction Manual and AWS D1.5 Bridge Welding Code.

506.3.12.3 High-Strength Bolts

506.3.12.3.1 Materials

Replace subsection with the following effective with the November 2025 letting.

(1) Install bolts according to AASHTO LRFD Bridge Construction Specifications, article 11.5.5, with the following exceptions:

1. If connections are assembled, install bolts with a hardened washer under the nut or bolt head, whichever is the element turned in tightening.
2. If using oversized holes, 2 hardened washers are required, one under the bolt head and one under the nut.
3. Bring the bolted parts into solid contact bearing before final tightening. Use not less than 25 percent of the total number of bolts in a joint to serve as fitting up bolts.
4. For steel diaphragms on prestressed concrete bridges do the following:
   4.1. For steel-to-steel connections within diaphragms:
      - Tension by the turn-of-nut method.
   4.2. For steel-to-concrete girder connections:
      - No PIV or field rotational capacity (RoCAP) testing is required.
      - Tighten as the plan details specify.

(2) Before fasteners are delivered to the site, provide documentation of rotational capacity testing in accordance with ASTM F3125, Annex A2, Rotational Capacity (RoCap)Test. The fasteners must be received in packages that match the fastener assembly combination as tested. If documentation of RoCap testing is not received; then perform this testing in the field prior to installation.

(3) Install bolt, nut, and washer combinations from the same rotational-capacity lot.

(4) Check galvanized nuts to verify that a visible dyed lubricant is on the threads and at least one bolt face.

(5) Ensure that uncoated bolts are oily to the touch over their entire surface when delivered and installed.

(6) Provide and use a Skidmore-Wilhelm Calibrator or an acceptable equivalent tension measuring device at each job site during erection. Perform pre-installation verification (PIV) testing in the field conforming to the procedures enumerated in department form DT2114 no earlier than 14 calendar days prior to permanent bolting. Submit 2 copies of form DT2114 to the engineer.

(7) Prior to installation, ensure that the fastener condition has not changed due to accumulation of rust or dirt, weathering, mixture of tested assembly lots, or other reasons. If changes have occurred, including cleaning and re-lubricating of weathered bolts, the engineer will require re-qualification using RoCap testing in the field, for a minimum of two fastener assemblies of each combination to be used in permanent bolting, and PIV re-testing.

(8) Additional RoCap or PIV tests are required whenever the condition of the fasteners or understanding of the bolting crew is in question by the Engineer. Do not allow permanent bolting until PIV testing is completed.

(9) Tighten threaded bolts by the turn-of-nut method while holding the bolt head. Where clearance is an issue, the contractor may tighten the bolt head while holding the nut.

(10) The contractor may use alternate tightening methods if the engineer approves before use.

(11) The contractor may use a flat washer if the surface adjacent to and abutting the bolt head or nut does not have a slope of more than 1:20 with respect to a plane normal to the bolt axis. For slopes greater than 1:20, use smooth, beveled washers to produce parallelism.

(12) Snug all bolts during installation according to AASHTO LRFD Bridge Construction Specifications, article 11.5.5.4.1.

(13) Tighten each fastener to provide, if all fasteners in the joint are tight, at least the minimum bolt tension as follows:

TABLE 506-1 BOLT TENSION

BOLT SIZE	REQUIRED MINIMUM BOLT TENSION[1]
1/2-inch	12 kips
5/8-inch	19 kips
3/4-inch	28 kips
7/8-inch	39 kips
1-inch	51 kips
1 1/8-inch	64 kips
1 1/4-inch	81 kips
1 3/8-inch	97 kips
1 1/2-inch	118 kips

[1] Equal to the proof load by the length measurement method as specified in ASTM F3125 for grade A325 bolts.

(14) Do not reuse galvanized F3125 A325 bolts. The contractor may reuse uncoated F3125 A325 bolts, if the engineer approves, but not more than once. The department will not consider re-tightening previously tightened bolts that become loosened by the tightening of adjacent bolts as reuse.

506.3.19 Welding

506.3.19.3 Procedure Qualifications

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Ensure that procedure qualifications conform to Clause 7 of AWS D1.5 (2025).

506.3.19.4 Welding Inspection

Replace subsection title and text with the following effective with the November 2025 letting.

Add paragraph (3) effective with the November 2026 letting.

(1) Inspect welding according to the current edition of AWS D1.5. Unless specified otherwise, test butt welds in main members by either the radiographic or the ultrasonic method.

(2) Test fillet welds and groove welds not covered otherwise in main members in a non-destructive manner by the magnetic particle method according to ASTM E709, utilizing the yoke method. This includes, but is not limited to, a minimum of 12 inches in every 10 feet or portion thereof of each weld connecting web to flange, bearing stiffener to web or flange, framing connection bar to web or flange, and longitudinal stiffener to web or vertical bar.

(3) Ensure fabrication and inspection for soldier pile walls with tie back anchors follow the requirements of the current edition of AWS D1.1 Structural Welding Code, modified as follows:

- Test all welds for surface and near-surface discontinuities using magnetic particle testing according to ASTM E709, utilizing the yoke method.

506.3.20 Stud Shear Connectors

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Use studs for shear connectors if the plans show. Weld conforming to Clause 9 of AWS D1.5 (2025) except as follows:

1. Fillet welds varying in size from 3/16 to 5/16 inch are satisfactory provided the studs pass other required tests. Make adequate provision in structural member fabrication to compensate for camber loss due to shear connector welding.
2. Ensure the studs are free from rust, scale, rust pits, and oil at the time of welding and immediately before placing the concrete.
3. Longitudinal and lateral spacing of studs with respect to each other and to edges of beam or girder flanges must not vary more than 1/2 inch from the dimensions the plans show, except that the engineer will allow a variation of one inch if required to avoid obstruction of other attachments on the beam, or if welding a new stud to replace a defective one. Ensure a minimum distance from the edge of a stud shank to the edge of a beam or plate of one inch exists, but preferably 1 1/2 inch or more.

4. Notify the engineer promptly of any changes in the welding procedure at any time during construction.
5. If welding the studs reduces their height to less than normal, immediately stop welding and do not resume until correcting the cause.
6. After welding the studs to the beams, perform a visual inspection and give each stud a light blow with a hammer. Bend test studs without a complete 360-degree end weld, studs that do not ring when given a light blow with a hammer, studs repaired by welding, or studs reduced to less than normal in height due to welding. The bend test consists of bending the stud 15 degrees from its correct installation axis by striking with a hammer. In cases of a defective or a repaired weld, bend the stud in the direction that places the weld's defective portion in the greatest tension. Replace studs that crack either in the weld or in the shank.
7. The engineer may select additional studs to subject to the bend test specified in item 6 above.

506.3.31 Cleaning of Surfaces

506.3.31.2 Coated Surfaces

Replace subsection with the following effective with the November 2025 letting.

(1) Blast clean structural steel and ferrous metal products to be coated as specified in 517.3.1.3.3.

(2) Blast clean steel that will be encased in concrete to SSPC-SP 6 standards or cleaner.

506.3.32 Painting Metal

Replace subsection with the following effective with the November 2026 letting.

(1) The steel fabricator performing the coating application must demonstrate qualification by obtaining the AISC Complex Coating Endorsement (CCE), or a quality certification system acceptable to the Engineer and a Quality Manual (QM) that is acceptable to the Engineer.

(2) Unless the contract provides otherwise, apply 3 coats of paint to structural steel and ferrous metal products. Furnish and apply paints according to the epoxy system or as specified in the special provisions. The requirements for this system are set forth in 517.

(3) For structural steel, including weathering steel, and miscellaneous metals that will be encased in concrete, paint as specified in 517.3.1.

(4) For galvanized surfaces paint as specified in 517.3.1.

(5) Use the 3-coat epoxy system to paint the end 6 feet of structural weathering steel at the abutments, the 6 feet on each side of piers, joints, downspouts, hinges, and galvanized bearings in contact with weathering steel. Use a coat of brown urethane matching AMS Standard 595A: AMS-STD 20059. Apply one coat of zinc-rich paint to surfaces of expansion joint assemblies and other surfaces not in contact with the weathering steel but inaccessible after assembly or erection.

(6) Do not paint structural steel to be welded before completing welding. If welding only in the fabricating shop and subsequently erecting by bolting, coat it after completing shop welding. Apply one coat of weldable primer or other engineer-approved protective coating to steel surfaces to be field welded after completing shop welding and shop fabrication. Protect machine-finished surfaces that do not receive a paint or galvanizing from contamination during the cleaning and painting process.

(7) Upon fabrication and acceptance, coat pins and pinholes with a plastic or other engineer-approved coating before removing from the shop.

(8) Mark members weighing 3 tons or more with their weights on areas that will be encased in concrete, or paint with a compatible paint on zinc-rich primer, or mark with soapstone on an epoxy-coated surface. Wait until material is dry, inspected, and approved for shipment before loading for shipment.

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509 Concrete Overlay and Structure Repair

509.2 Materials

Replace subsection with the following effective with the November 2025 letting.

(1) Furnish a neat cement bonding grout. Mix the neat cement in a water-cement ratio approximately equal to 5 gallons of water per 94 pounds of cement. Pre-packaged non-shrink grout from the APL may be used instead of site mixed or ready mixed grout.

(2) Furnish grade E conforming to 501 for overlays.

(3) Furnish grade C or E concrete conforming to 501 for surface repairs. The contractor may increase the slump for grade E concrete to a maximum of 4 inches. For vertical and overhead repairs, use pre-packaged vertical and overhead repair material from the APL unless a different material is approved by the engineer in writing.

(4) Furnish grade C or E concrete conforming to 501 for joint repairs, curb repairs, and full-depth deck repairs; except as follows:

1. The contractor may increase slump of grade E concrete to 3 inches.

2. The contractor may use ready-mixed concrete.

(5) Provide QMP for class II ancillary concrete as specified in 716 if using concrete mixtures conforming to 501.

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513 Railing

513.2.3 Steel Railing

Replace subsection with the following effective with the November 2025 letting.

(1) Furnish steel railing components as follows:

Structural steel	506.2.2
High strength bolts	506.2.5
Steel guardrail	614.2
Round structural steel tubing for steel pipe railing	ASTM A500 grade B
Structural steel tubing used with other steel railings	ASTM A500 grade B or C

(2) Furnish a two-coat paint system from the APL for structure painting systems under paint - galvanized surfaces.

513.3 Construction

513.3.5 Welding

Replace paragraph (1) with the following effective with the November 2026 ASP-6.

(1) Weld railing as the plans show and conforming to the following:

For steel railing: AWS D1.1, Structural Welding Code (current edition).

For aluminum railing: AWS D1.2, Structural Welding Code - Aluminum.

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517 Paint and Painting

517.3.1.3.3 Blast Cleaning

517.3.1.3.3.2 Epoxy Coating System

Replace subsection with the following effective with the November 2025 letting.

(1) Blast clean structural steel receiving this coating to a near-white finish according to SSPC-SP 10.

(2) Solvent clean oil and grease on surfaces receiving this coating according to SSPC-SP 1 and blast clean to a near-white finish according to SSPC-SP 10.

(3) Remove fins, tears, slivers, and burred or sharp edges present on any steel member, or that appears during blasting, by grinding then re-blast the area to a one to 2 mils surface shape.

(4) If using abrasives for blast cleaning, use either clean dry sand, steel shot, mineral grit, or manufactured grit of a gradation that produces a uniform one to 2 mils profile as measured with a department-approved impregnated surface profile tape.

(5) Remove abrasive and paint residue from steel surfaces with a commercial grade vacuum cleaner equipped with a brush-type cleaning tool, or by double blowing. If using the double blowing method, vacuum the top surfaces of structural steel, including top and bottom flanges; longitudinal stiffeners, splice plates, and hangers after completing the double blowing operations. Ensure that the steel is dust free when applying primer. Apply the primer within 8 hours after blast cleaning.

(6) Protect freshly coated surfaces from later blast cleaning operations. Brush any blast damaged primed surfaces with a non-rusting tool, or if visible rust occurs, re-blast to a near white condition. Clean the brushed or blast cleaned surfaces and re-prime within the manufacturer’s recommended time.

(7) When coating galvanized surfaces, ensure tie-coat adhesion by brush blasting the cleaned surface according to SSPC-SP7 to create a slight angular surface profile according to manufacturer’s recommendations of 1 mil to 1.5 mils. Blasting must not fracture the galvanized finish or remove dry film thickness. For the tie- and top-coat, furnish an epoxy coating system from the APL for paint systems for galvanized surfaces.

517.3.1.3.5 Galvanizing

Add subsection effective with the November 2025 letting.

(1) After fabrication, blast clean assemblies per SSPC-SP6 and galvanize according to ASTM A123.

526 Temporary Structures

526.3.4 Construction, Backfilling, Inspection and Maintenance

Replace subsection with the following effective with the November 2025 letting.

(1) Construct temporary structures conforming to 500. Backfill conforming to 206.3.13 with structure backfill conforming to 210.2.

(2) Temporary highway bridges open to traffic less than or equal to 24 months: inspect temporary bridges conforming to the National Bridge Inspection Standards (NBIS) and the department's Structure Inspection Manual (SIM) before opening to traffic. Perform additional inspections, as the department's SIM requires, based on structure type, condition, and time in service. Submit inspection reports on department form DT2007 to the engineer and electronic copies to the BOS Maintenance Section. Ensure that a department-certified qualified team leader performs the inspections.

(3) Temporary highway bridges open to traffic greater than 24 months: complete additional inspections and inventory data collection per the NBIS and SIM within 27 months of the bridge being opened to traffic. Contact the Bureau of Structures to have a structure number assigned. Enter the inventory data and element level bridge inspection data in accordance with the SIM into WisDOT's Highway Structures Information System (HSIS) within 90 days of completing the field portion of the inspection. Continue to complete required inspections and data submittal at intervals according to the requirements of the NBIS and SIM.

(4) Maintain temporary structures and approaches in place until no longer needed. Unless the engineer directs otherwise, completely remove and dispose of as specified in 203.3.5; do not place on the finished surface.

526.5 Payment

Replace paragraph (2) with the following effective with the November 2025 letting.

(2) Payment for the Temporary Structure bid items is full compensation for providing a temporary structure including design and construction; for construction staking; for temporary shoring and other secondary structure items; for backfilling with structure backfill; for maintaining; and for removing when no longer needed. The department will pay 70 percent of the contract amount when open to traffic and the balance after structure removal and associated site restoration.

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550 Driven Piles

550.3.9 Pre-Boring

550.3.9.1 General

Add paragraph (2) effective with the February 2026 letting.

(1) Pre-bore holes to the depth the plans or special provisions require. Submit written requests for pre-boring not required under the contract to the engineer for review and approval. Do not impair the capacity of in-place piles or damage adjacent structures by pre-boring operations.

(2) Contractor may elect to not perform pre-boring, subject to written approval from the engineer as specified in 104.2.1(2). If the contractor elects to not perform pre-boring and subsequently pre-boring is necessary at any point throughout the project, no additional time or compensation will be granted.

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608 Storm Sewer

608.4 Measurement

608.4.2 Rock Excavation for Storm Sewer

Replace paragraph (3) with the following effective with the November 2026 letting.

(3) The department will measure this work vertically from the top of the rock to the bottom of the rock, or to an elevation 6 inches below the bottom of the pipe or storm sewer structure, whichever is higher. The department will measure this work horizontally as the outside diameter of the pipe or outside dimension of the structure, plus 3 feet, 1 1/2 feet on either side, regardless of actual width required under 608.3.1.1.

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611 Catch Basins, Manholes, and Inlets

611.4 Measurement

Replace subsection with the following to add paragraph (2) effective with the November 2026 letting.

(1) The department will measure the bid items under this section as each individual unit acceptably completed.

(2) The department will measure rock excavation as specified for storm sewer rock excavation in 608.4.

611.5 Payment

611.5.1 General

Add paragraph (2) effective with the November 2026 letting.

(2) The department will pay separately for rock excavation as specified for storm sewer rock excavation in 608.4.

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621 Landmark Reference Monuments

Remove Standard Specification 621 (Landmark Reference Monuments) effective with the November 2025 letting. Refer to updated information in this ASP-6 for standard specifications 680 and 682.

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633 Delineators and Markers

633.2.4 Barrier Wall Delineators

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Furnish aluminum for barrier wall delineators conforming to ASTM B221, alloy 6061-T6 with sheeting from the APL. Furnish stainless steel stud bolts, self-locking nuts, and washers conforming to ASTM F593, type 316 stainless steel.

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643 Traffic Control

643.1 Description

Replace paragraph (1) with the following effective with the November 2025 letting. Replace paragraph (1) with revised information effective with the November 2026 letting.

(1) This section describes providing, maintaining, repositioning, and removing temporary traffic control devices as follows:

Drums	Warning lights	42-inch cones
Barricades type III	Connected arrow boards	Portable changeable message signs
Flexible tubular markers	Signs	Channelizing curb system
Speed feedback trailers	Connected work zone end location marker	

643.2.2 Department's Approved Products List (APL)

Replace paragraph (1) with the following effective with the November 2025 letting. Replace paragraph (1) with revised information effective with the November 2026 letting.

(1) Furnish materials from the APL as follows:

- Drums
- Barricades type III
- Flexible tubular marker posts including bases
- Warning lights and attachment hardware
- Channelizing curb systems
- Connected work zone end location marker
- Connected arrow boards
- Sign sheeting
- 42-inch cone assemblies
- Portable changeable message signs
- Speed feedback trailers

643.3 Construction

643.3.1 General

Add paragraphs (10), (11), (12) and (13) effective with the November 2025 letting.

(10) For connected devices provide a local specialist to respond to emergency situations within 2 hours of being notified. Equip local specialists with sufficient resources to correct deficiencies in the connected work zone devices.

(11) Prior to deployment, test all connected devices with the engineer to ensure the device is showing in the WisDOT approved data feed. Send an email to *DOTBTOworkzone@dot.wi.gov* to notify BTO that the devices have been turned on.

(12) Provide a WisDOT approved data feed from connected devices and the remote management software, updated at least every minute.

(13) If requested by the engineer, provide real-time status change alerts to a list of designated personnel via text or email or both. Send an alert each time a connected device is switched between operating modes which include the current operating mode, the previous operating mode, the date and time of the mode switch, and the location (latitude and longitude) of the device at the time of the mode switch in the alert.

643.3.3 Connected Arrow Boards

Revise subsection title and add paragraphs (3) and (4) effective with the November 2025 letting.

(3) The connected arrow board may be switched between the following pattern displays per the plan:

- Blank
- Right arrow static
- Right arrow flashing
- Right arrow sequential
- Left arrow static
- Left arrow flashing
- Left arrow sequential
- Line flashing
- Bi-directional arrow flashing.

(4) When the connected arrow board is not displaying a pattern, the display shall be blank, and the connected arrow board transmits its status to the data feed. When a connected arrow board is switched to a pattern, the connected arrow board transmits its location and its current operating mode to the data feed.

643.3.7 Temporary Pavement Marking

Add paragraph (9) effective with the November 2025 letting.

(9) Install temporary markings on the final surface in the same location as permanent markings will be placed or as the plans show.

643.3.10 Connected Work Zone Location Marker

Add subsection effective with the November 2025 letting. Replace subsection with revised subsection title and text information effective with the November 2026 letting.

(1) Place work zone location marker at the end of the work zone per plan or as the engineer directs. Clearly label the work zone end location marker so that it is easily distinguishable by field personnel.

(2) Ensure the connected work zone location marker operates continuously when deployed on the project.

(3) Ensure the work zone location marker and connected arrow board are from the same manufacturer.

(4) When the work zone end location marker is switched to the ON mode, verify the location marker transmits location and identity as end marker to the data feed.

(5) Switch the work zone end location marker to OFF mode when temporary traffic control is removed, and the normal traveled way is restored.

643.4 Measurement

643.4.1 Items Measured by the Day

Add paragraphs (3) and (4) effective with the November 2025 letting.

(3) The department will measure Traffic Control Connected Arrow Boards by day for the days the device is reporting correct data.

(4) The department will measure Traffic Control Connected Work Zone End Location Marker by day per roadway segment for the days the devices are reporting correct data.

643.5 Payment

643.5.1 General

Replace paragraph (1) with the following effective with the November 2025 letting. Replace revised paragraph (1) with the following effective with the November 2026 letting.

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

ITEM NUMBER	DESCRIPTION	UNIT
643.0300	Traffic Control Drums	DAY
643.0420	Traffic Control Barricades Type III	DAY
643.0500	Traffic Control Flexible Tubular Marker Posts	EACH
643.0600	Traffic Control Flexible Tubular Marker Bases	EACH
643.0650	Traffic Control Channelizing Curb System	LF
643.0700 - 0799	Traffic Control Warning Lights (type)	DAY
643.0810	Traffic Control Connected Arrow Boards	DAY
643.0900	Traffic Control Signs	DAY
643.0910	Traffic Control Covering Signs Type I	EACH

643.0920	Traffic Control Covering Signs Type II	EACH
643.1000	Traffic Control Signs Fixed Message	SF
643.1050	Traffic Control PCMS	DAY
643.1051	Traffic Control PCMS with TMC Communications	DAY
643.1070 - 1079	Traffic Control Cones (height)	DAY
643.1222	Traffic Control Connected Work Zone End Location Marker	DAY
643.1500	Traffic Control Speed Feedback Trailer	DAY
643.3100 - 3299	Temporary Marking Line (material/type) (width)	LF
643.3300 - 3399	Temporary Marking Crosswalk (material) 6-Inch	LF
643.3500 - 3599	Temporary Marking Arrow (material)	EACH
643.3600 - 3699	Temporary Marking Word (material)	EACH
643.3700 - 3799	Temporary Marking Raised Pavement Marker (type)	EACH
643.3800 - 3899	Temporary Marking Stop Line (material) 18-Inch	LF
643.3900 - 3959	Temporary Marking Diagonal (material) 12-Inch	LF
643.3960 - 3999	Temporary Marking Removable Mask Out Tape (width)	LF
643.4100	Traffic Control Interim Lane Closure	EACH
643.5000	Traffic Control	EACH

646 Pavement Marking

646.3.1.1 General Marking

Replace paragraph (7) with the following effective with the November 2025 letting. Add paragraph (8) effective with the February 2026 letting.

(7) Apply marking to the width and color the bid item indicates. Distribute beads uniformly across the line. Provide a sharp cutoff for both sides and ends of the marking with a uniform cross-section. Achieve straight alignment, not to exceed a 3/8-inch variation in any 40-foot section of travelled way. Do not damage existing marking that will remain in place.

(8) Apply both lines of the centerline marking simultaneously to ensure a consistent gap.

646.3.1.5 Marking Acceptance

Replace paragraph (4) with the following effective with the November 2026 letting.

(4) Remove and replace all marking in sections with failing initial retroreflectivity. Remove and replace marking that the engineer deems improperly constructed. Remove existing marking in the groove before replacement. If post-acceptance inspections uncover evidence of defective material or improper construction, the department may revoke acceptance under 105.11.2.3.

646.3.1.6 Proving Period

646.3.1.6.1 General

Replace paragraph (1) with the following effective with the February 2026 letting.

(1) The engineer may conduct post acceptance inspections periodically during a proving period to evaluate the physical presence of pavement marking and, for permanent markings, the retroreflectivity. The proving period begins on the last day of the week, for all marking placed within that week. The proving period extends through April 15 of the next calendar year or 180 days, whichever is longer. If weather or road surface conditions prevent the engineer from fully evaluating the marking at the end of the proving period, the engineer may extend the proving period.

646.3.1.6.2 Retroreflectivity

Replace paragraph (1), included with the November 2025 ASP-6, with the following effective with the February 2026 letting.

(1) For permanent markings, the engineer will also evaluate the percent failing retroreflectivity at the end of the proving period. Ensure that the 180-day reflectivity, in millicandelas/lux/m^2, meets or exceeds the following:

MATERIAL	COLOR	180 DAY DRY RETROREFLECTIVITY
Epoxy	White	150
	Yellow	100
Wet Reflective Epoxy	White	250
	Yellow	150
Permanent Tape	White	400
	Yellow	335

646.3.2 Long Line Marking

646.3.2.3 Grooving

646.3.2.3.2 Wet Reflective Epoxy

Replace paragraph (1) with the following effective with the February 2026 letting.

(1) Apply wet reflective epoxy binder in a grooved slot and provide a double drop bead system at the application rate specified in the APL.

646.3.2.4 Black Epoxy

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Apply black epoxy in a grooved slot directly after the white marking. Apply epoxy at a wet mil thickness of 20. Apply black aggregate or glass beads at or exceeding 25 pounds per gallon of epoxy.

646.3.3 Special Marking

Replace subsection with the following effective with the February 2026 letting.

(1) Fill in any breaks left from the stencil with the same material to ensure there are no gaps.

(2) Under the Marking Railroad Crossings bid items, apply the RXR symbol and 3 transverse lines as the plans show.

(3) Under the Marking Curb bid items, mark the vertical face and the top of the curb.

(4) Under the Marking Aerial Enforcement Bars bid items, the department will locate the marking. Notify the engineer at least one week before marking so the State Patrol can provide exact locations.

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650 Construction Staking

650.3.12 Supplemental Control Staking

Replace paragraph (2) with the following effective with the November 2026 letting.

(2) Document and provide to the engineer complete descriptions and reference ties of the control points, alignment points, and benchmarks to allow for quick reestablishment of the plan data at any time during construction and upon project completion. Document additional control as described in CMM 710, table 710-1.

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680 Public Land Survey Monuments

Add section 680 (Public Land Survey Monuments) effective with the November 2025 letting.

680.1 Description

(1) This section describes perpetuating US Public Land Survey System (USPLSS) monuments.

680.2 Materials

(1) Furnish magnetic survey nails with center point a minimum of 2-1/2 inches long or engineer approved alternative.

(2) Furnish minimum 3/4-inch reinforcement or 1 inch outside diameter (OD) iron pipe at least 24 inches long.

(3) Furnish plastic survey marker cap with lettering that reads “Witness Monument”.

(4) Use alternative materials if requested and furnished by the county surveyor.

680.3 Construction

680.3.1 General

(1) Perform work under the direction and control of a professional land surveyor registered in the state of Wisconsin, following Wisconsin Administrative Code A-E 7 (https://docs.legis.wisconsin.gov/code/admin_code/a_e/7).

(2) Preserve existing USPLSS monuments and witness monuments (ties) within the construction limits in their original position until monuments are verified and sufficiently tied off.

680.3.2 Pre-Construction

(1) Notify the county surveyor at least 30 days prior to start of construction operations about all USPLSS monuments within the construction limits that might be disturbed.

(2) Obtain the existing USPLSS Monument Record from the county surveyor. Verify existing monuments and witness monuments are in place and undisturbed.

(3) Replace witness monuments that are missing or that could be disturbed by construction operations. Locate new witness monuments near the USPLSS monument but outside the construction limits. Submit a monument record as specified in 680.3.5.

(4) Temporarily mark the location of all witness monuments to protect them during construction.

680.3.3 Removals

(1) Remove or abandon existing monument and monument cover that interfere with construction operations. Remove and dispose of surplus excavation and materials as specified in 205.3.12.

680.3.4 Post-Construction

(1) Verify the location of monuments and witness monuments when construction operations are complete.

(2) Set new monuments and witness monuments where necessary. Recess magnetic survey nails 1/4 inch below the pavement surface for monuments located in pavement. Use reinforcement or iron pipe for monuments not in pavement and for witness monuments. Locate new witness monuments near the USPLSS monument and outside the roadbed. Install plastic caps on witness monuments.

(3) Install marker posts next to all witness monuments if required and supplied by the county surveyor.

(4) Omit setting monuments in the pavement if approved by the department's regional survey coordinator and county surveyor due to traffic or safety concerns.

(5) Submit a monument record as specified in 680.3.5.

680.3.5 Monument Records

(1) Submit a monument record on department form DT1291 to the county surveyor at locations where monuments were set. Provide a copy to the engineer and regional survey coordinator.

680.4 Measurement

(1) The department will measure bid items under this section as each individual monument acceptably completed.

680.5 Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
680.0100	Public Land Survey Monument Verify and Reset	EACH

(2) Payment for the Public Land Survey Monument Verify and Salvage bid item is full compensation for providing all materials; for coordinating with county surveyors; for obtaining existing monument records; for verifying the existing location of monuments and witness monuments; for removing or abandoning existing monuments and monument covers; for resetting monuments; for setting or resetting temporary and permanent witness monuments; and for submitting monument records.

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682 Geodetic Survey Monuments

Add section 682 (Geodetic Survey Monuments) effective with the November 2025 letting.

682.1 Description

(1) This section describes salvaging geodetic survey discs and constructing geodetic survey monuments.

682.2 Materials

(1) Furnish materials conforming to the following:

Concrete.....501

Reinforcement 505.2
Foundation backfill 520.2

(2) Furnish grade A concrete as modified in 716. Provide QMP for class III ancillary concrete as specified in 716.

682.3 Construction

(1) Contact the WisDOT Geodetic Surveys Unit at (866) 568-2852 or “geodetic@dot.wi.gov” as required below.

682.3.1 Salvage Geodetic Survey Discs

(1) Remove and salvage geodetic survey discs from existing structures or survey monuments being removed at the locations shown in the plan.

(2) Notify the WisDOT Geodetic Surveys Unit 7 calendar days prior to removal operations.

(3) Ship or deliver salvaged discs to following address:

WisDOT Bureau of Technical Services
Geodetic Surveys Unit
3502 Kinsman Boulevard
Madison, WI 53704

Provide a tracking number to the Geodetic Surveys Unit upon shipment or contact the Geodetic Surveys Unit to schedule in-person delivery.

682.3.2 Geodetic Survey Monuments

682.3.2.1 Monument Location

(1) Stake the approximate location of monuments provided in the plan and contact the WisDOT Geodetic Surveys Unit 30 days prior to excavating holes for field verification and delivery of department furnished geodetic survey discs.

682.3.2.2 Placing Monuments

(1) Excavate holes for monuments by use of a circular auger at the size and depth the plans show or as the engineer directs.

(2) Remove and dispose of surplus excavation and materials as specified in 205.3.12.

(3) Fill holes with concrete and strike off flush with the ground surface. Place circular forms and steel reinforcement in the concrete as the plans show. Place geodetic survey discs on monuments while the concrete is still plastic.

682.3.2.3 Protecting and Curing

(1) Cure exposed portions of cast in place concrete monuments as specified in 415.3.12 except the contractor may use curing compound conforming to 501.2.8.

(2) Protect placed concrete monuments as specified for concrete pavement as specified in 415.3.14

(3) Protect cast in place concrete monuments from freezing for 7 days.

682.4 Measurement

(1) The department will measure bid items under this section as each individual monument acceptably completed.

682.5 Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
682.0100	Salvage Geodetic Survey Disc	EACH
682.0200	Geodetic Survey Monument	EACH

(2) Payment for the Salvage Geodetic Survey Disc bid item is full compensation for removing and salvaging; and shipping or delivering the disc to the Geodetic Surveys Unit. Removing existing survey monuments will be paid separately under the Removing Concrete Bases bid item. Removing existing survey marker posts will be paid separately under the Removing Delineators and Markers bid item.

(3) Payment for the Geodetic Survey Monument bid item is full compensation for staking; providing concrete; providing steel reinforcement; for placing department-furnished geodetic discs; and for excavating and backfilling.

710 General Concrete QMP

710.3 Certification Requirements

Replace paragraph (1) and add paragraph (2) effective with the November 2025 letting.

(1) Have a person certified from the Highway Technician Certification Program Portland Cement Concrete Technician 1 (HTCP - PCCTEC-1) or Assistant Certified Technician Program - Portland Cement Concrete (ACT-PCC) working under a certified technician, on the project site, prepared and equipped to perform required sampling and testing whenever placing concrete.

(2) The department will have a certified HTCP Portland Cement Concrete Mix Design Certification (PCC MDC) technician to review and approve concrete mixes.

710.4 Concrete Mixes

Replace subsection with the following effective with the November 2025 letting.

(1) The contractor is responsible for mix performance.

(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, oven-dried specific gravity, SSD bulk specific gravity, wear, soundness, light weight pieces, freeze thaw test results if required, and air correction factor. 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 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.
5. For high early strength (HES) concrete mixtures required by contract, complete the HES mix modification section in the DT2220 or DT2221 form.

(3) Document mix adjustments daily during concrete production.

(4) Prepare, notify, and submit mixture design modifications to the engineer. Do not place material until the documentation is submitted and, when required, written approval of the mixture design modifications.

(5) Report concrete mix design modifications as classified in levels as specified in table 710-1.

TABLE 710-1 MIX DESIGN MODIFICATION NOTIFICATION

NOTIFICATION	LEVEL I	LEVEL II	NEW MIX DESIGN DURING PROJECT
Prepare, notify, and submit mix design to Engineer	Prior to use	3 business days prior to use	5 business days prior to use
Approval required before placement	No	Yes	Yes

(6) A mix design modification is when any modification occurs for a specific level as specified in table 710-2.

(7) Dependent on the modification performed, documentation is required to be submitted to the engineer as specified in table 710-3.

(8) For HES concrete, conform as specified in table 710-4.

(9) HES concrete is not eligible for 28-day strength incentives.

(10) Submit concrete mix designs into MRS as specified in 701.1.2.7.

TABLE 710-2 MATERIAL MIX DESIGN MODIFICATIONS

Replace Table 710-2, included with the November 2025 ASP-6, with the following effective with the February 2026 letting.

MODIFICATION TYPE		LEVEL I	LEVEL II	NEW MIX DESIGN DURING PROJECT
Change in:	Water source	X		
	Cement source, type, or brand			X
	Total cementitious		X [1]	X
	Aggregate blend	X		
	Aggregate source			X
	SCM replacement rate		X	
	SCM type and supplier			X
	Fly ash source (different class)			X
	Fly ash source (same class for pavements and cast-in-place barriers)		X	
	Fly ash source (same class for structures)			X
	Slag source (same grade)		X	
	Slag source (different grade)		X	
	Chemical admixture manufacturer or product name [2]			X
	Chemical admixture dosage rates	X [3]		X
Removal of:	SCM			X
	Chemical admixture other than Type B or D			X [3,4]
	Type B or Type D chemical admixture	X [3]	X [4]	
Addition of:	Non-fading, color pigment	X		
	Chemical admixture other than Type B or D			X [3,4]
	Type B or Type D chemical admixture	X [3]	X [4]	
	New SCM			X

[1] For HES/SHES concrete modification only.

[2] Not including Type B or Type D chemical admixture.

[3] When admixture is from the concrete admixture APL and the dosage rate is within recommended dosage rates as specified in the APL. If the admixture dosage rate is outside of recommended dosage rates as specified in the APL, BTS approval is required before use.

[4] Not furnished from the APL.

TABLE 710-3 MIX DESIGN MODIFICATION DOCUMENTATION

Replace Table 710-3, included with the November 2025 ASP-6, with the following effective with the February 2026 letting.

NEW REQUIRED DOCUMENTATION	LEVEL I	LEVEL II	NEW MIX DESIGN DURING PROJECT
Results from trial batching if required			X
Amendment to the quality control plan	X	X	X
Water source name and report	X [1]		
Cement mill certification			X
WisDOT aggregate quality report			X
SCM mill certification		X	X
Chemical additive product data sheet	X	X	X
Updated DT2220 or DT2221 form	X	X	
New DT2220 or DT2221 form			X
New mixture ID: Contractor ID and WisDOT ID		X	X
New maturity curve	X [2]	X	X
New lot/sublot layout [3]		X [3,4,5]	X

[1] Water for concrete report conforming to 501.2.6 for private wells or surface water sources.

[2] Required only when using a retarder.

[3] Required for HES concrete.

[4] Required when changing the SCM replacement rate.

[5] Not required for SCM source change of same Class/Grade in pavements and cast-in-place barrier projects.

TABLE 710-4 OPTIONS FOR HES CONCRETE

SCENARIO	MIXTURE MODIFICATION	
When the contract requires, or the HES is directed by the department	OPTION 1 [1]	Add 94 to 282 lb/cy of cement [2]
	OPTION 2	Use Type III cement
When the engineer allows HES when requested by the contractor in writing	Add up to 282 lb/cy of cement [1.2]	

[1] Adjust water to maintain workability without raising the w/cm ratio.

[2] Add to a previously accepted mixture.

710.5.6.2 Contractor Control Charts

710.5.6.2.1 General

Replace subsection with the following effective with the November 2025 letting.

(1) Test aggregate gradations during concrete production except as allowed for small quantities under 710.2. Perform required contractor testing using non-random samples.

(2) Sample aggregates from either the conveyor belt or from the working face of the stockpiles.

(3) Complete aggregate testing as specified in table 710-5. Submit one pre-placement test within five days before anticipated placement. 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 specified in table 710-5 for each mix design, except as allowed for small quantities in 710.2. The contractor's concrete production tests can be used for the same mix design on multiple contracts.

TABLE 710-5 QC AGGREGATE TESTING FREQUENCY

Replace Table 710-5, included with the November 2025 ASP-6, with the following effective with the February 2026 letting.

<table>
<tr><th>CONCRETE CLASSIFICATION</th><th>PRE-PLACEMENT TESTING</th><th colspan="2">PLACEMENT TESTING</th></tr>
<tr><td rowspan="2">Class I: Pavement [1]</td><td rowspan="3">One pre-placement test per aggregate source</td><td>Hand Placement:
≤ 250 CY
> 250 CY
Slip Formed Placement
≤ 1500 CY
> 1500 CY</td><td>One test per cumulative 250 CY
One test per day

One test per day
Two tests per day</td></tr>
<tr><td>Class I: Structures [2], [3], [4]</td><td colspan="2">One test per cumulative 150 CY, maximum one test per day</td></tr>
<tr><td>Class I: Cast-in Place Barrier [1]</td><td>≤ 250 CY
> 250 CY</td><td>One test per cumulative 250 CY
One test per day</td></tr>
<tr><td>Class II: Base</td><td rowspan="8">One pre-placement test per aggregate source</td><td colspan="2">One test per calendar week of production</td></tr>
<tr><td>Class II: Structure Repair - Joints</td><td colspan="2" rowspan="2">One test per cumulative 150 CY, maximum one test per day</td></tr>
<tr><td>Class II: Concrete Overlay</td></tr>
<tr><td>Class II: Pavement Repair</td><td colspan="2" rowspan="4">One test per 400 CY, minimum one test per 10 business days, maximum one test per day</td></tr>
<tr><td>Class II: Pavement Replacement</td></tr>
<tr><td>Class II: Base Patching</td></tr>
<tr><td>Class II: Ancillary</td></tr>
<tr><td>Class II: Structure Repair – Curb & Surface [5]</td><td colspan="2">Preplacement testing only</td></tr>
</table>

[1] Frequency is based on project daily production rate.

[2] Aggregate gradation testing must be performed on a per contract basis. If multiple structures are on the same contract and use the same aggregate source, then the samples must be collected based on cumulative concrete contract quantities within the same concrete classification.

[3] WTM T255 (Fine and Coarse) required for each aggregate sample.

[4] Calculate trial batch weights for each mix design when production begins and 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.

[5] Aggregate gradation must meet the gradation previously approved by the engineer.

710.5.6.3 Department Acceptance Testing

Replace subsection with the following effective with the November 2025 letting. Replace Table 710-6 with the following effective with the November 2026 letting.

(1) Department testing frequency is based on the quantity of each mix design placed under each individual WisDOT contract as specified table 710-6. Aggregate gradation testing must be performed on a per contract basis.

(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 the regional testing lab in the same day. The department will report gradation test results to the contractor within 1 business day of being delivered to the lab. The department and contractor can agree to an alternative test result reporting timeframe. Document alternative timeframes in the contractor's quality control plan.

(4) Additional samples may be taken at the engineer’s discretion due to a changed condition.

(5) If multiple bid items on the same contract use the same aggregate source, then the samples must be collected based on cumulative concrete contract quantities within the same concrete classification.

(6) Department will test small quantities at the minimum frequency specified in table 710-7.

TABLE 710-6 QV AGGREGATE TESTING FREQUENCY

CONCRETE CLASSIFICATION	PLACEMENT TESTING
Class I: Pavement	One test per placement day for first 2 days of placement. - If all samples are passing, reduced testing frequency is applied. - Reduced frequency: One test per calendar week of placement
Class I: Structures	One test per 250 CY placed, maximum one test per day. - Minimum of one test per contract for substructure - Minimum of one test per contract for superstructure
Class I: Cast-in-Place Barrier	One test per 500 CY placed, maximum one test per day.
Class II: Concrete Overlay	One test per 250 CY placed, maximum one test per day.
Class II: Base	No minimum testing
Class II: Structure Repair	
Class II: Pavement Repair	
Class II: Pavement Replacement	
Class II: Base Patching	
Class II: Ancillary	

TABLE 710-7 QV AGGREGATE TESTING FREQUENCY FOR SMALL QUANTITIES

CONCRETE CLASSIFICATION	PLACEMENT TESTING
Class I: Pavement	One test on the first day of placement.
Class I: Structures	
Class I: Cast-in-Place Barrier	

710.5.7 Corrective Action

710.5.7.1 Optimized Aggregate Gradations

Replace subsection with the following effective with the November 2025 letting.

(1) If the contractor's 4-point running average or a department test result of the volumetric percent retained exceeds the tarantula curve limits by less than or equal to 1.0 percent on a single sieve size or limits listed in the additional requirements for optimized aggregate gradation in 501.2.7.4.2 table 501-4, notify the other party immediately and do the following:

Option A:

1. Perform corrective action documented in the QC plan or as the engineer approves.
2. Document and provide corrective action results to the engineer as soon as they are available.
3. Department will conduct two tests within the next business day after corrective action. Department will provide test results to contractor after each test is complete.
4. If blended aggregate gradations are within the tarantula curve limits by the second department test:
   - Continue with concrete production.
   - Include a break in the 4-point running average.
   - For Class I Pavements: The department will discontinue reduced frequency testing and will test at a frequency of 1 test per placement day. Once 5 consecutive samples are passing at the 1 test per placement day frequency, the reduced frequency testing will be reapplied.
5. If blended aggregate gradations are not within the tarantula curve limits by the second department test:
   - If the contract does not require optimized aggregate gradation under 501.2.7.4.2.1(2), stop concrete production and submit either a modified optimized aggregate gradation mix design or a new optimized aggregate gradation mix design or a new combined aggregate gradation mix design.
   - If the contract requires optimized aggregate gradations under 501.2.7.4.2.1(2), stop concrete production and submit a modified optimized aggregate gradation mix design or a new optimized aggregate gradation mix design.

Option B:

1. Submit a modified optimized aggregate gradation mix design or a new optimized aggregate gradation mix design.
2. Restart control charts for 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 modified mix design or a new mix design.

(3) Both the department and contractor must sample and test aggregate of the modified mix design or a new mix design at the frequency specified in 710.5.6.1.

710.5.7.2 Combined Aggregate Gradations

Replace subsection with the following effective with the November 2025 letting.

(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. The 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.
   - Include a break in the 4-point running average.
   - For Class I Pavements: The department will discontinue reduced frequency testing and will test at a frequency of 1 test per placement day. Once 5 consecutive samples are passing at the 1 test per placement day frequency, the reduced frequency testing will be reapplied.
6. If blended aggregate gradations are not within the combined aggregate gradation limits by the second department test, stop concrete production and submit a modified mix design or 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 modified mix design or a new mix design.

(3) Both the department and contractor must sample and test aggregate of the modified mix design or a new mix design at the frequency specified in 710.5.6.1.

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715 QMP Concrete Pavement, Cast-in-Place Barrier and Structures

715.3.1.2 Lot and Sublot Definition

715.3.1.2.1 General

Replace subsection with the following effective with the November 2025 letting.

(1) Designate the location and size of all lots before placing concrete. Ensure that no lot contains concrete of more than one mix design or placement method defined as follows:

Mix design change	A modification to the mix requiring the engineer's approval under 710.4(5). For paving and barrier mixes, follow 710.4(4) and 710.4(5) for concrete mixture design modifications.
Placement method	Either slip-formed, not slip-formed, or placed under water.

(2) Lots and sublots include ancillary concrete placed integrally with the class I concrete.

715.3.1.2.3 Lots by Cubic Yard

Replace paragraph (3) with the following effective with the November 2025 letting.

(3) An undersized lot is eligible for incentive payment under 715.5 if the lot has 4 or more sublots for that lot.

715.3.2 Strength Evaluation

715.3.2.1 General

Replace subsection with the following effective with the November 2025 letting.

(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) The department will evaluate the sublot for possible removal and replacement if the 28-day sublot average strength is:

- Pavement (Compressive): < 2500 psi
- Pavement (Flexural): < 500 psi
- Structure: < f'c - 500 psi [1]
- Cast-in-Place Barrier: < f'c - 500 psi [1]

[1] f'c is design strength found in plans or specials.

715.5.4 Pay Adjustments for Nonconforming Air Content, Temperature, and Delivery Time

Add subsection 715.5.4 (Pay Adjustments for Nonconforming Air Content, Temperature, and Delivery Time) effective with the November 2025 letting. Replace paragraph (1) and Table 715-2 with the following effective with the November 2026 letting.

(1) The department will adjust pay for each sublot with nonconforming QC air content and temperature test results as specified in table 715-2 and table 715-3. If the quantity in question is subject to more than one of the price reductions, apply the adjustment with the greater price reduction. The following unit prices shall be used in pay adjustment equations specified in table 715-2:

- Pavement: $55 per SY.
- Structure and cast-in-place barrier: $350 per CY.

(2) For high temperatures, the engineer may consider the effectiveness of the contractor's temperature control plan and the contractor's compliance with their temperature control plan before taking a price reduction.

(3) A 25% price reduction to the concrete invoice price will be applied if concrete is placed after the delivery time exceeds the limit specified in 501.3.5.2.

TABLE 715-2 PRICE REDUCTIONS FOR NONCONFORMING AIR CONTENT

LIMITS (%)		PAY FACTOR (PF) [1]	PAY ADJUSTMENT ($) [2]
Above Specification [3]	0.1 and above	$(0.15 \times ASL^2) + (0.125 \times ASL)$	PF x Quantity (SY or CY) x Unit Price
Below Specification	>= 0.1 to =< 1.0	$(0.30 \times BSL^2) + (0.02 \times BSL)$	PF x Quantity (SY or CY) x Unit Price
	1.1 and below	50 or remove and replace	0.5 x Quantity (SY or CY) x Contract Unit Price

[1] ASL = % air content above specification limit.
BSL = % air content below specification limit.

[2] "Unit price" is specified in 715.5.4(1). "Contract unit price" is the bid item unit price for the awarded contract.

[3] Evaluate the strength data. If the strengths are acceptable, do not assess a price reduction for high air content. Contractor is responsible for providing additional strength data, if necessary.

TABLE 715-3 PRICE REDUCTIONS FOR NONCONFORMING TEMPERATURE

Replace Table 715-3, included with the November 2025 ASP-6, with the following effective with the February 2026 letting.

CONCRETE TEMPERATURE (F) [1]		PRICE REDUCTION (%)
Upper Temperature Limit [2]	> 80 to <= 85	10
	> 85	25
Lower Temperature Limit	45 to <= 50	10
	< 45	25

[1] Applies only for Concrete Structures and Cast-in-Place Barrier.

[2] If a written temperature control plan outlining the actions by the contractor to control concrete temperature at the point of placement exceeding 80 F is submitted and followed to effectively control the temperature, the upper temperature limit is increased by 10 F for price reductions for nonconforming temperature.

716 QMP Ancillary Concrete

716.2 Materials

716.2.1 Class II Concrete

Replace paragraph (2) with the following effective with the November 2025 letting. Replace paragraph (2) with the following to add paragraph at end of item 4 effective with the November 2026 letting.

(2) Perform random QC testing at the following frequencies:

1. Test air content, temperature, and slump a minimum of once per 100 cubic yards for each mix design and placement method.
2. Cast one set of 3 cylinders per 200 cubic yards for each mix design and placement method. Cast a minimum of one set of 3 cylinders per contract for each mix design and placement method. Random 28-day compressive strength cylinders are not required for HES or SHES concrete.
3. For deck overlays, perform tests and cast cylinders once per 50 cubic yards of grade E concrete placed.
4. For concrete base, one set of tests and one set of cylinders per 250 cubic yards.

The department will allow concrete startup test results for small quantities as specified in 710.2(1). Cast one set of 3 cylinders if using startup testing for acceptance.

The contractor may include sublots less than or equal to 25 percent of the standard length in the previous sublot. For partial sublots exceeding 25 percent of the standard length, notify the engineer who will direct additional testing to represent that partial sublot.

716.2.2 Class III Concrete

Replace paragraph (1) with the following effective with the November 2025 letting.

(1) Acceptance of class III concrete is based on DT2220/ DT2221 certification page. Submit the certificate of compliance at least 3 business days before producing concrete along with the initial concrete mix documentation as required under 710.4(2).

730 QMP Base Aggregate

730.5 Payment

Replace paragraph (2) with the following effective with the November 2026 letting.

(2) The department will calculate pay reductions for base aggregate with nonconforming gradation and fracture. The pay reduction percentage as specified in table 730-1 will be applied to the nonconforming quantity that remains in place using a unit price of $15/TON or $30/CY. The department will administer a 50 percent pay reduction for base aggregate with nonconforming plasticity or liquid limit that remains in place.

TABLE 730-1 Pay Reductions for Nonconforming Base Aggregate

% PAY REDUCTION	NONCONFORMING GRADATION		NONCONFORMING FRACTURE
	NO 200 SIEVE	SIEVES OTHER THAN NO 200	
5% to 10%	<= 1.5%	<= 3%	<= 5%
10% to 20%	> 1.5% to <= 3%	> 3% to <= 5%	> 5% to <= 10%
SIGNIFICANTLY OUT OF SPEC[1]			
20% to 40%	> 3%	> 5%	> 10%

[1] The engineer may assess pay reductions for individual QC or QV test results that are significantly out of spec even if the running average is within spec limits.

Bid Items

500 Bid Items

Remove the following bid items effective with the February 2026 letting.

522.2363	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 63x98-Inch	LF
522.2663	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 63x98-Inch	EACH

600 Bid Items

Remove the following bid item effective with the February 2026 letting.

608.2363	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 63x98-Inch	LF

Add the following bid item effective with the November 2025 letting.

611.0613	Inlet Covers Type DW	EACH

Remove the following bid items effective with the November 2025 letting.

621.0100	Landmark Reference Monuments	EACH
621.1100	Landmark Reference Monuments and Cast-Iron Covers	EACH
621.1200	Landmark Reference Monuments and Aluminum Covers	EACH

Remove the following bid items effective with the November 2025 letting.

643.0405	Traffic Control Barricades Type I	DAY
643.0410	Traffic Control Barricades Type II	DAY
643.0800	Traffic Control Arrow Boards	DAY

Add the following bid items effective with the November 2025 letting. Replace bid item number and description for traffic control connected work zone end location marker effective with the November 2026 letting.

643.0810	Traffic Control Connected Arrow Boards	DAY
643.1222	Traffic Control Connected Work Zone End Location Marker	DAY

Remove the following bid items effective with the November 2026 letting.

643.3760	Temporary Marking Raised Pavement Marker Type I	EACH
643.3770	Temporary Marking Raised Pavement Marker Type II	EACH

Add the following bid items effective with the November 2026 letting.

643.3764	Temporary Marking Raised Pavement Marker Type I 4-Inch	EACH
643.3766	Temporary Marking Raised Pavement Marker Type I 6-Inch	EACH
643.3774	Temporary Marking Raised Pavement Marker Type II 4-Inch	EACH
643.3776	Temporary Marking Raised Pavement Marker Type II 6-Inch	EACH

Add the following bid item effective with the February 2026 letting.

657.0348	Poles Type 9 - Special Over Height	EACH
657.0353	Poles Type 10 - Special Over Height	EACH

Add the following bid items effective with the November 2025 letting.

680.0100	Public Land Survey Monument Verify and Reset	EACH
682.0100	Salvage Geodetic Survey Disk	EACH
682.0200	Geodetic Survey Monuments	EACH

ERRATA

204.3.1.3 Salvaging or Disposal of Materials

Replace paragraph (2) to correct link from 203.3.4 to 203.3.5 effective with the November 2024 letting.

(2) Dispose of concrete, stone, brick, and other material not designated for salvage as specified for disposing of materials under 203.3.5.

204.3.2.3 Removing Buildings

Replace paragraph (2) to correct link from 203.3.4 to 203.3.5 effective with the November 2024 letting.

(2) Buildings removed and materials resulting from building removal become the contractor's property unless the contract specifies otherwise. Dispose of unclaimed and removed material as specified for disposing of materials in 203.3.5.

335.3.2 Rubblizing

Replace paragraph (6) to correct link from 203.3.4 to 203.3.5 effective with the November 2024 letting.

(6) Remove reinforcing steel exposed at the surface by cutting below the surface and disposing of the steel as specified in 203.3.5. Do not remove unexposed reinforcing steel.

335.3.3 Compacting

Replace paragraph (2) to correct link from 203.3.4 to 203.3.5 effective with the November 2024 letting.

(2) Remove loose asphaltic patching material, joint fillers, expansion material, or other similar materials from the compacted surface. Also remove pavement or patches that have a maximum dimension greater than or equal to 6 inches that are either not well seated or projecting more than one inch. Dispose of removed material as specified in 203.3.5.

460.3.3.2 Pavement Density Determination

Replace change description annotation with the following to revise implementation date. This change is effective with the November 2025 letting.

Add information to 460.3.3.2(1) and (3). Add reference to CMM, WTM, and WTP H-002. WTP H-002 contains the sublot layouts formerly in CMM 815. Definition of a lot is now defined here (460.3.3.2(3)) instead of CMM. This change was implemented via ASP-6 with the February 2024 letting.

602.3.6 Concrete Rumble Strips

Replace paragraph (5) to correct link from 203.3.4 to 203.3.5 effective with the November 2024 letting.

(5) At the end of each workday, move equipment and material out of the clear zone and sweep or vacuum the traveled way pavement and shoulder areas. Sweep away or vacuum up milling debris before opening adjacent lanes to traffic. Dispose of waste material as specified in 203.3.5; do not place on the finished shoulder surface.

604.2 Materials

Replace paragraph (1) with the following information to remove line and link for crushed aggregate effective with the November 2024 letting. The crushed aggregate gradation information for slope paving is now found in 604.2(3).

(1) Furnish materials conforming to the following:

Water	501.2
Select crushed material	312.2
Concrete	501
Reinforcement	505
Expansion joint filler	415.2.3
Asphaltic materials	455.2

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. DBE firms must enter all payments to DBE and non-DBE firms regardless of tier.
6. Require all first tier relationships, DBE firms and all other tier relationships necessary to comply with the DBE payment requirement in receipt of a progress payment by contractor to acknowledge receipt of payment as specified in A(1), (2), (3) and (4).
7. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4), (5), and (6), and shall be binding on all first tier subcontractor relationships, all contractors and subcontractors utilizing DBE firms on the project, and all payments from DBE firms.

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

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

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

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

ADDITIONAL SPECIAL PROVISION 9

Electronic Certified Payroll or Labor Data Submittal

(1) Use the department's Civil Rights Compliance System (CRCS) for projects with a LET date on or before December 2024 and AASHTOWare Project Civil Rights and Labor (AWP CRL) for projects with a LET date on or after January 2025 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 or AWP CRL. 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 or AWP CRL 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, via the online AWP Knowledge Base, or by telephone. to schedule CRCS specific training. The AWP Knowledge Base is at: https://awpkb.dot.wi.gov/

(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) For firms wishing to export payroll/labor data from their computer system, have their payroll coordinator contact:

- For CRCS: Paul Ndon at paul.ndon@dot.wi.gov. Information about exporting payroll/labor data. Not every contractor's payroll system can produce 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
- For AWP CRL: Contact AWP Support at awpsupport@dot.wi.gov. Additional information can be found in the AWP Knowledge Base at https://awpkb.dot.wi.gov/Content/crl/Payrolls-PrimesAndSubs/PayrollXMLFileCreationProcess.htm

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).

DOMESTIC MATERIALS PREFERENCE PROVISION

Domestic Materials Preference (in accordance with the Buy America Act per 23 CFR 635.410, and the Build America-Buy America Act (BABA) per 2 CFR Part 184, and 2 CFR Part 200) shall be articles, materials, or supplies permanently incorporated in this project as classified in the following four categories, and as described in the Construction and Materials Manual (CMM):

1. Iron and Steel

   To be considered domestic, all steel and iron products used, and all products predominantly manufactured from steel or iron must be produced in the United States in accordance with the steel and iron product standards in 23 CFR 635.410.

   This includes smelting, coating, bending, shaping, and all other manufacturing processes performed on the product. Coating includes all processes which protect or enhance the value of the material to which the coating is applied.

Products that are predominantly iron or steel or a combination of both as defined in 23 CFR 635.410 are considered Steel and Iron products and must comply with this section.

2. Construction Materials

   To be considered domestic, all construction materials used must be produced in the United States in accordance with the construction material standards in 2 CFR 184.6:

   - Non-ferrous metals: All manufacturing processes, from initial smelting or melting through final shaping, coating, and assembly, occurred in the United States.
   - Plastic and polymer-based products: All manufacturing processes, from initial combination of constituent plastic or polymer-based inputs, or, where applicable, constituent composite materials, until the item is in its final form, occurred in the United States.
   - Glass. All manufacturing processes, from initial batching and melting of raw materials through annealing, cooling, and cutting, occurred in the United States.
   - Fiber optic cable (including drop cable): All manufacturing processes, from the initial ribboning (if applicable), through buffering, fiber stranding and jacketing, occurred in the United States. All manufacturing processes also include the standards for glass and optical fiber, but not for non-ferrous metals, plastic and polymer-based products, or any others.
   - Optical fiber: All manufacturing processes, from the initial preform fabrication stage through the completion of the draw, occurred in the United States.
   - Lumber: All manufacturing processes, from initial debarking through treatment and planning, occurred in the United States.
   - Drywall: All manufacturing processes, from initial blending of mined or synthetic gypsum plaster and additives through cutting and drying of sandwiched panels, occurred in the United States.
   - Engineered wood: All manufacturing processes from the initial combination of constituent materials until the wood product is in its final form, occurred in the United States.

3. Manufactured Products

   To be considered domestic, all manufactured products used must be produced in the United States as defined in 23 CFR 635.410(c)(1)(vii):

   - For projects with let dates on or after October 1, 2025, the final step in the manufacturing process must occur in the United States.
   - For projects with let dates on or after October 1, 2026, the final step in the manufacturing process must occur in the United States and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States must be greater than 55 percent of the total cost of all components of the manufactured product.

Manufactured products means articles, materials, or supplies that have been processed into a specific form and shape, or combined with other articles, materials, or supplies to create a product with different properties than the individual articles, materials, or supplies. If an item is classified as an iron or steel product, an excluded material, or construction material, then it is not a manufactured product. An article, material, or supply classified as a manufactured product may include components that are iron or steel

products, excluded materials, or construction materials. Mixtures of excluded materials delivered to a work site without final form for incorporation into a project are not a manufactured product.

Items that consist of two or more construction materials that have been combined together through a manufacturing process, and items that include at least one construction material combined with a material that is not a construction material (including steel/iron) through a manufacturing process are treated as manufactured products, rather than as construction materials.

Products that are classified as predominantly iron or steel do not meet the definition of a manufactured product and must comply with section 1.

With respect to precast concrete products **that are classified as manufactured products**, components of precast concrete products that consist wholly or predominantly of iron or steel or a combination of both shall meet the requirements of section 1. The cost of such components shall be included in the applicable calculation for purposes of determining whether the precast concrete product is produced in the United States.

With respect to intelligent transportation systems and other electronic hardware systems that are installed in the highway right of way or other real property **and classified as manufactured products**, the cabinets or other enclosures of such systems that consist wholly or predominantly of iron or steel or a combination of both shall meet the requirements of section 1. The cost of cabinets or other enclosures shall be included in the applicable calculation for purposes of determining whether systems referred to in the preceding sentence are produced in the United States.

4. Temporary and Excluded Materials

> Temporary materials, and excluded materials meeting the definition of Section 70917(c) Materials as defined in 2 CFR 184, do not have any domestic materials requirements. Section 70917(c) Materials means cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives. Mixtures of excluded materials delivered to a work site without final form for incorporation into a project are not a manufactured product.

The classification of an article, material, or supply as falling into one of the categories listed in this section will be made based on its status at the time it is brought to the work site for incorporation into the project. Except as otherwise provided, an article, material, or supply incorporated into an infrastructure project must meet the Domestic Material Preference for only the single category in which it is classified.

Requirements do not preclude a minimal use of foreign steel and iron provided the cost of such materials do not exceed 0.1 percent (0.1%) of the total contract cost or $2500 whichever is greater. The total contract cost is the contract amount at award.

For each iron or steel product subject to meeting domestic materials requirements, that doesn't fully meet Buy America Act requirements, the following documentation must be provided by the Contractor to verify the foreign steel value. Ensure the threshold is not exceeded and place the documentation in the project files.

- Pay Item,
- Description of associated foreign iron or steel product, or component,
- Invoiced cost of associated foreign iron or steel product, or component, and
- Current cumulative list of all foreign iron or steel products with the total dollar amount of foreign products in relation to the total contract amount.

The minimal use of foreign iron or steel under the minimal usage threshold must be approved by the Engineer prior to incorporation into the project and any associated payment under the contract. The use of foreign iron or steel under the minimal usage threshold does not need to be approved by FHWA. This amount is not considered a waiver to the domestic materials requirements. The Contractor must ensure that the minimal usage amount is not exceeded.

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

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

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

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

Attach a list of foreign iron or steel and their associated costs to the certification form using the Domestic Material Exemption Tracking Tool, available at:

https://wisconsindot.gov/hccidocs/contracting-info/buy-america-exemption-tracking-tool.xlsx

Proposal ID: 20261208040 **Project(s):** 7720-00-71, 7720-00-81

Federal ID(s): N/A, 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	204.0110 Removing Asphaltic Surface	903.000 SY	_____.____	_____.____
0004	204.0115 Removing Asphaltic Surface Butt Joints	1,190.000 SY	_____.____	_____.____
0006	204.0120 Removing Asphaltic Surface Milling	43,998.000 SY	_____.____	_____.____
0008	204.0150 Removing Curb & Gutter	2,175.000 LF	_____.____	_____.____
0010	204.0155 Removing Concrete Sidewalk	1,054.000 SY	_____.____	_____.____
0012	204.0195 Removing Concrete Bases	8.000 EACH	_____.____	_____.____
0014	204.0200 Removing Railroad Track	111.000 LF	_____.____	_____.____
0016	204.0220 Removing Inlets	14.000 EACH	_____.____	_____.____
0018	204.0245 Removing Storm Sewer (size) 001. 12-Inch	344.000 LF	_____.____	_____.____
0020	204.0245 Removing Storm Sewer (size) 002. 15-Inch	56.000 LF	_____.____	_____.____
0022	204.0280 Sealing Pipes	1.000 EACH	_____.____	_____.____
0024	204.9060.S Removing (item description) 001. Bollards	1.000 EACH	_____.____	_____.____
0026	205.0100 Excavation Common	1,440.000 CY	_____.____	_____.____
0028	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	580.000 TON	_____.____	_____.____
0030	208.1100 Select Borrow	482.000 CY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	209.2500 Backfill Granular Grade 2	90.000 TON	_____.____	_____.____
0034	211.0101 Prepare Foundation for Asphaltic Paving (project) 001. 7720-00-71	1.000 EACH	_____.____	_____.____
0036	213.0100 Finishing Roadway (project) 001. 7720-00-71	1.000 EACH	_____.____	_____.____
0038	305.0120 Base Aggregate Dense 1 1/4-Inch	2,770.000 TON	_____.____	_____.____
0040	305.0500 Shaping Shoulders	44.000 STA	_____.____	_____.____
0042	311.0110 Breaker Run	60.000 TON	_____.____	_____.____
0044	455.0605 Tack Coat	3,377.000 GAL	_____.____	_____.____
0046	460.2000 Incentive Density HMA Pavement	5,920.000 DOL	1.00000	5,920.00
0048	460.6644 HMA Pavement 4 MT 58-34 V	9,460.000 TON	_____.____	_____.____
0050	460.9000.S Material Transfer Vehicle	1.000 EACH	_____.____	_____.____
0052	465.0105 Asphaltic Surface	697.000 TON	_____.____	_____.____
0054	465.0110 Asphaltic Surface Patching	100.000 TON	_____.____	_____.____
0056	502.3205 Pigmented Surface Sealer Reseal	166.000 SY	_____.____	_____.____
0058	502.3215 Protective Surface Treatment Reseal	209.000 SY	_____.____	_____.____
0060	509.1500 Concrete Surface Repair	14.000 SF	_____.____	_____.____

Proposal ID: 20261208040 **Project(s):** 7720-00-71, 7720-00-81

Federal ID(s): N/A, N/A

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0062	513.2001 Railing Pipe	9.000 LF	_____.____	_____.____
0064	520.8000 Concrete Collars for Pipe	17.000 EACH	_____.____	_____.____
0066	601.0411 Concrete Curb & Gutter 30-Inch Type D	2,436.000 LF	_____.____	_____.____
0068	601.0419 Concrete Curb & Gutter 30-Inch Type L	20.000 LF	_____.____	_____.____
0070	601.0576 Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type J	275.000 LF	_____.____	_____.____
0072	601.0600 Concrete Curb Pedestrian	690.000 LF	_____.____	_____.____
0074	602.0405 Concrete Sidewalk 4-Inch	100.000 SF	_____.____	_____.____
0076	602.0410 Concrete Sidewalk 5-Inch	12,905.000 SF	_____.____	_____.____
0078	602.0505 Curb Ramp Detectable Warning Field Yellow	598.000 SF	_____.____	_____.____
0080	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	34.000 SF	_____.____	_____.____
0082	602.0810 Concrete Driveway 6-Inch	39.000 SY	_____.____	_____.____
0084	602.1500 Concrete Steps	25.000 SF	_____.____	_____.____
0086	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	547.000 LF	_____.____	_____.____
0088	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	149.000 LF	_____.____	_____.____

Proposal ID: 20261208040 **Project(s):** 7720-00-71, 7720-00-81

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0090	608.0512 Storm Sewer Pipe Reinforced Concrete Class V 12-Inch	40.000 LF	_____.____	_____.____
0092	611.0430 Reconstructing Inlets	2.000 EACH	_____.____	_____.____
0094	611.0535 Manhole Covers Type J-Special	11.000 EACH	_____.____	_____.____
0096	611.0624 Inlet Covers Type H	21.000 EACH	_____.____	_____.____
0098	611.0651 Inlet Covers Type S	2.000 EACH	_____.____	_____.____
0100	611.2004 Manholes 4-FT Diameter	9.000 EACH	_____.____	_____.____
0102	611.2005 Manholes 5-FT Diameter	2.000 EACH	_____.____	_____.____
0104	611.3004 Inlets 4-FT Diameter	1.000 EACH	_____.____	_____.____
0106	611.3230 Inlets 2x3-FT	20.000 EACH	_____.____	_____.____
0108	611.8110 Adjusting Manhole Covers	41.000 EACH	_____.____	_____.____
0110	611.8115 Adjusting Inlet Covers	9.000 EACH	_____.____	_____.____
0112	612.0902.S Insulation Board Polystyrene (inch) 001. 2-Inch	43.000 SY	_____.____	_____.____
0114	618.0100 Maintenance and Repair of Haul Roads (project) 001. 7720-00-71	1.000 EACH	_____.____	_____.____
0116	619.1000 Mobilization	1.000 EACH	_____.____	_____.____
0118	620.0200 Concrete Median Blunt Nose	116.000 SF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0120	624.0100 Water	25.000 MGAL	_____.____	_____.____
0122	625.0100 Topsoil	665.000 SY	_____.____	_____.____
0124	628.1905 Mobilizations Erosion Control	15.000 EACH	_____.____	_____.____
0126	628.1910 Mobilizations Emergency Erosion Control	4.000 EACH	_____.____	_____.____
0128	628.7010 Inlet Protection Type B	59.000 EACH	_____.____	_____.____
0130	629.0205 Fertilizer Type A	3.800 CWT	_____.____	_____.____
0132	631.0300 Sod Water	15.000 MGAL	_____.____	_____.____
0134	631.1000 Sod Lawn	665.000 SY	_____.____	_____.____
0136	634.0614 Posts Wood 4x6-Inch x 14-FT	17.000 EACH	_____.____	_____.____
0138	634.0616 Posts Wood 4x6-Inch x 16-FT	2.000 EACH	_____.____	_____.____
0140	637.2210 Signs Type II Reflective H	116.000 SF	_____.____	_____.____
0142	638.2102 Moving Signs Type II	29.000 EACH	_____.____	_____.____
0144	638.2602 Removing Signs Type II	2.000 EACH	_____.____	_____.____
0146	638.4000 Moving Small Sign Supports	29.000 EACH	_____.____	_____.____
0148	642.5001 Field Office Type B	1.000 EACH	_____.____	_____.____
0150	643.0300 Traffic Control Drums	10,822.000 DAY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0152	643.0420 Traffic Control Barricades Type III	1,231.000 DAY	_____.____	_____.____
0154	643.0705 Traffic Control Warning Lights Type A	1,862.000 DAY	_____.____	_____.____
0156	643.0715 Traffic Control Warning Lights Type C	3,549.000 DAY	_____.____	_____.____
0158	643.0900 Traffic Control Signs	8,801.000 DAY	_____.____	_____.____
0160	643.0920 Traffic Control Covering Signs Type II	6.000 EACH	_____.____	_____.____
0162	643.3165 Temporary Marking Line Paint 6-Inch	18,790.000 LF	_____.____	_____.____
0164	643.3180 Temporary Marking Line Removable Tape 6-Inch	5,476.000 LF	_____.____	_____.____
0166	643.3350 Temporary Marking Crosswalk Removable Tape 6-Inch	3,417.000 LF	_____.____	_____.____
0168	643.3960 Temporary Marking Removable Mask Out Tape 6-Inch	7,519.000 LF	_____.____	_____.____
0170	643.5000 Traffic Control	1.000 EACH	_____.____	_____.____
0172	644.1430 Temporary Pedestrian Surface Plate	3,449.000 SF	_____.____	_____.____
0174	644.1440 Temporary Pedestrian Surface Matting	1,459.000 SF	_____.____	_____.____
0176	644.1601 Temporary Pedestrian Curb Ramp	1,022.000 DAY	_____.____	_____.____
0178	644.1605 Temporary Pedestrian Detectable Warning Field	656.000 SF	_____.____	_____.____
0180	644.1810 Temporary Pedestrian Barricade	4,914.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0182	644.1900.S Temporary Audible Message Devices	2,030.000 DAY	_____.____	_____.____
0184	645.0140 Geotextile Type SAS	293.000 SY	_____.____	_____.____
0186	646.2040 Marking Line Grooved Wet Ref Epoxy 6-Inch	22,097.000 LF	_____.____	_____.____
0188	646.4040 Marking Line Grooved Wet Ref Epoxy 10-Inch	35.000 LF	_____.____	_____.____
0190	646.5020 Marking Arrow Epoxy	26.000 EACH	_____.____	_____.____
0192	646.5320 Marking Railroad Crossing Epoxy	2.000 EACH	_____.____	_____.____
0194	646.6120 Marking Stop Line Epoxy 18-Inch	24.000 LF	_____.____	_____.____
0196	646.7020 Marking Diagonal Epoxy 6-Inch	142.000 LF	_____.____	_____.____
0198	646.7120 Marking Diagonal Epoxy 12-Inch	95.000 LF	_____.____	_____.____
0200	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	2,900.000 LF	_____.____	_____.____
0202	646.8120 Marking Curb Epoxy	1,742.000 LF	_____.____	_____.____
0204	646.8320 Marking Parking Stall Epoxy	497.000 LF	_____.____	_____.____
0206	646.9012 Marking Removal Line Water Blasting 6-Inch	1,678.000 LF	_____.____	_____.____
0208	650.4000 Construction Staking Storm Sewer	40.000 EACH	_____.____	_____.____
0210	650.5000 Construction Staking Base	728.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0212	650.5500 Construction Staking Curb Gutter and Curb & Gutter	2,711.000 LF	_____.____	_____.____
0214	650.8501 Construction Staking Electrical Installations (project) 001. 7720-00-71	1.000 EACH	_____.____	_____.____
0216	650.9000 Construction Staking Curb Ramps	57.000 EACH	_____.____	_____.____
0218	650.9500 Construction Staking Sidewalk (project) 001. 7720-00-71	1.000 EACH	_____.____	_____.____
0220	650.9911 Construction Staking Supplemental Control (project) 001. 7720-00-71	1.000 EACH	_____.____	_____.____
0222	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	120.000 LF	_____.____	_____.____
0224	653.0900 Adjusting Pull Boxes	1.000 EACH	_____.____	_____.____
0226	654.0105 Concrete Bases Type 5	8.000 EACH	_____.____	_____.____
0228	655.0610 Electrical Wire Lighting 12 AWG	350.000 LF	_____.____	_____.____
0230	690.0150 Sawing Asphalt	3,610.000 LF	_____.____	_____.____
0232	690.0250 Sawing Concrete	643.000 LF	_____.____	_____.____
0234	740.0440 Incentive IRI Ride	7,260.000 DOL	1.00000	7,260.00
0236	999.2000.S Installing and Maintaining Bird Deterrent System (station) 001. STA 115+00	1.000 EACH	_____.____	_____.____
0238	SPV.0035 Special 100. Unsuitable Materials Excavation	80.000 CY	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0240	SPV.0060 Special 001. Salvage And Reinstall Light Pole	8.000 EACH	_____.____	_____.____
0242	SPV.0060 Special 002. Adjusting Water Valves	57.000 EACH	_____.____	_____.____
0244	SPV.0060 Special 100. Connect to Existing Storm Sewer Structure	1.000 EACH	_____.____	_____.____
0246	SPV.0060 Special 101. Connect to Existing Sanitary Manhole	1.000 EACH	_____.____	_____.____
0248	SPV.0060 Special 102. Remove Existing Hydrant	1.000 EACH	_____.____	_____.____
0250	SPV.0060 Special 103. Hydrant	3.000 EACH	_____.____	_____.____
0252	SPV.0060 Special 104. Hydrant Control Valve 6-inch	3.000 EACH	_____.____	_____.____
0254	SPV.0060 Special 105. Gate Valve and Box 10-inch	3.000 EACH	_____.____	_____.____
0256	SPV.0060 Special 106. Gate Valve and Box 6-inch	5.000 EACH	_____.____	_____.____
0258	SPV.0060 Special 107. Connect to Existing Water Main 10-inch	1.000 EACH	_____.____	_____.____
0260	SPV.0060 Special 108. Connect to Existing Water Main 6-inch	7.000 EACH	_____.____	_____.____
0262	SPV.0060 Special 109. Remove Sanitary Manhole	5.000 EACH	_____.____	_____.____
0264	SPV.0060 Special 110. Connect to Existing Sanitary Sewer Main 8-inch	11.000 EACH	_____.____	_____.____
0266	SPV.0060 Special 111. Connect to Existing Sanitary Sewer Main 12-inch	3.000 EACH	_____.____	_____.____

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Federal ID(s): N/A, N/A

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0268	SPV.0060 Special 112. Connect to Existing 6-Inch Sanitary Force Main	1.000 EACH	_____.____	_____.____
0270	SPV.0060 Special 113. Sanitary Sewer Manhole with Casting 48-Inch I.D.	5.000 EACH	_____.____	_____.____
0272	SPV.0060 Special 114. Sanitary Manhole Outside Drop Structure	2.000 EACH	_____.____	_____.____
0274	SPV.0060 Special 115. Connect to Existing Storm Sewer	1.000 EACH	_____.____	_____.____
0276	SPV.0085 Special 100. Water Main Fittings	853.000 LB	_____.____	_____.____
0278	SPV.0090 Special 100. Ductile Iron Hydrant Lead 6-Inch	32.000 LF	_____.____	_____.____
0280	SPV.0090 Special 101. Remove Existing Sanitary Sewer	202.000 LF	_____.____	_____.____
0282	SPV.0090 Special 102. Sanitary Sewer Main 8-inch	187.000 LF	_____.____	_____.____
0284	SPV.0090 Special 103. Sanitary Sewer Main 12-inch	15.000 LF	_____.____	_____.____
0286	SPV.0090 Special 104. Water Main C-900 6-inch	30.000 LF	_____.____	_____.____
0288	SPV.0090 Special 105. Water Main C-900 10-Inch	70.000 LF	_____.____	_____.____
0290	SPV.0090 Special 106. Sanitary Force Main 6-inch	35.000 LF	_____.____	_____.____
0292	SPV.0120 Special 001. Management of Contaminated Groundwater	3.000 MGAL	_____.____	_____.____
0294	SPV.0180 Special 001. Methacrylate Flood Seal	956.000 SY	_____.____	_____.____

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Federal ID(s): N/A, N/A

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0296	SPV.0180 Special 002. Removing Distressed Pavement Milling	1,340.000 SY	_____.____	_____.____

Section: 0001 **Total:** _____.____

Total Bid: _____.____

PLEASE ATTACH ADDENDA HERE