

HIGHWAY WORK PROPOSAL

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

Proposal Number: **024**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Milwaukee	2565-07-70	WISC 2021442	Green Bay Rd, Village Brown Deer; Teutonia Ave Intersection	STH 057
Milwaukee	2150-00-72	N/A	Brown Deer Road; Sth 100, B-40-504, B-40-505	STH 100
Ozaukee	2270-04-70	WISC 2021441	Sth 57-Vil Brown Deer & City Mequon; Teutonia Avenue To Mequon Road	STH 057
Milwaukee				

ADDENDUM REQUIRED ATTACHED AT BACK

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

Proposal Guaranty Required: \$480,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: September 14, 2021 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code
Contract Completion Time June 30, 2023	SAMPLE NOT FOR BIDDING PURPOSES
Assigned Disadvantaged Business Enterprise Goal 10%	This contract is exempt from federal oversight.

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

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

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)

(Bidder Signature)

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

(Print or Type Bidder Name)

(Date Commission Expires)

(Bidder Title)

Notary Seal

Type of Work:	For Department Use Only
Excavation, Base, Concrete Pavement, HMA Pavement, Curb and Gutter, Sidewalk, Signs, Pavement Marking, Sign Structures, Traffic Signals, Storm Sewer, Street Lighting, Trees and Plantings, Structure Rehabilitation	
Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

Effective with August 2015 Letting

BID PREPARATION

Preparing the Proposal Schedule of Items

A General

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

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

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

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

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

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

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

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

B Submitting Electronic Bids

B.1 On the Internet

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

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

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

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

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

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

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

C Waiver of Electronic Submittal

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

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

(Signature of Attorney-in-Fact)

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

March 2010

LIST OF SUBCONTRACTORS

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

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

[illegible]

DECEMBER 2000

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER
RESPONSIBILITY MATTERS - PRIMARY COVERED TRANSACTIONS**

Instructions for Certification

1. By signing and submitting this proposal, the prospective contractor is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective contractor shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective contractor to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department determined to enter into this transaction. If it is later determined that the contractor knowingly rendered an erroneous certification in addition to other remedies available to the Federal Government the department may terminate this transaction for cause or default.
4. The prospective contractor shall provide immediate written notice to the department to whom this proposal is submitted if at any time the prospective contractor learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective contractor agrees by submitting this proposal that, should this contract be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department entering into this transaction.
7. The prospective contractor further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," which is included as an addendum to PR-1273 - "Required Contract Provisions Federal Aid Construction Contracts," without

modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

8. The contractor may rely upon a certification of a prospective subcontractor/materials supplier that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A contractor may decide the method and frequency by which it determines the eligibility of its principals. Each contractor may, but is not required to, check the Disapproval List (telephone # 608/266/1631).
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a contractor in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

- (1) The prospective contractor certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offense enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective contractor is unable to certify to any of the statements in this certification, such prospective contractor shall attach an explanation to this proposal.

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STSP'S Revised January 13, 2021

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 2150-00-72, Brown Deer Road, STH 100, B-40-504 & B-40-505 STH 100; Project 2270-04-70, STH 57 – Vil Brown Deer & City Mequon, Teutonia Avenue to Mequon Road, STH 57; and Project 2565-07-70, Green Bay Rd, Village Brown Deer, Teutonia Avenue Intersection, STH 57; all projects located in Milwaukee and Ozaukee County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2021 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 (20210113)

2. Scope of Work.

The work under this contract shall consist of concrete deck overlay, removals, excavation common, concrete pavement, concrete sidewalk, concrete curb & gutter, base patching, HMA pavement, base aggregate, traffic signals, storm sewer, erosion control, traffic control, signing, pavement marking and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

3. Prosecution and Progress.

Begin work within ten 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.

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

Interim Liquidated Damages

A. Interim Completion Time – 268 Calendar Days: At the beginning of Stage 2 bridge removal operations, close STH 57 South of STH 100 to through traffic for a maximum of 268 calendar days. Do not reopen until completing the following work: Roundabout (2565-07-00), concrete pavement, curb & gutter, concrete sidewalk, pavement marking, signing and traffic signals/lighting shown in the plans necessary to open STH 57 to traffic, South of STH 100.

If the contractor fails to complete the work necessary to reopen STH 57 to traffic within 268 calendar days, the department will assess the contractor \$10,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 268 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

B. Interim Completion Time – 35 Calendar Days: During Stage 4A/4B, close the left turn movement from Eastbound STH 100 to Northbound STH 57 for a maximum of 35 calendar days. Do not reopen until completing the work necessary to open to Stage 5 configuration and operations.

If the contractor fails to complete the work necessary to reopen the Eastbound STH 100 left turn movement to Northbound STH 57 to traffic within 35 calendar days, the department will assess the contractor \$1,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 35 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

C. Interim Completion Date – November 22, 2022: Complete construction operations on STH 57 and STH 100 to Stage 6 configuration by November 22, 2022. Do not reopen until completing the following work: Concrete pavement, curb and gutter, concrete sidewalk, pavement marking, signing, and traffic signals/lighting as shown in the plans at the completion of Stage 5. Restoration and incidental construction may be completed after the interim completion date using short-term lane closures and/or completed in Stage 6.

If the contractor fails to complete the work necessary to reopen STH 57 and STH 100 to Stage 6 configuration prior to November 23, 2022, the department will assess the contractor \$4,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12:01 AM, November 23, 2022. An entire calendar day will be charged for any period of time within a calendar day that the road is not in Stage 6 configuration 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.

Contractor Coordination

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

Work By Others

The property from Station 108+50 to Station 113+50 LT had agreed to match the back of sidewalk grades with their final grading for the new development prior to this contract. The existing ground surface shown in the cross sections within the plan will not be the existing ground surface at the time of construction. The actual slope intercepts are expected to be within the right-of-way limits at the time of construction.

Access – Work Requirements

Maintain access to properties along the project for local residents, businesses, and emergency vehicles. Access for all driveways where alternative access is not available shall remain open at all times, except for when it is necessary to close driveways for culvert replacements at local resident driveways. Do not fully close commercial driveways. Construct commercial driveways in halves or by closing one access at a time for properties that have multiple driveways. Restore private and commercial entrances to include a crushed aggregate surface, within same working day of entrance removal.

During concrete paving operations at the WE Energies Substation at Station 424+25 LT, access must be maintained at all times. Alternate access may be provided from Deerbrook Trail along the existing sidewalk terrace area with a suitable driving surface coordinated with WE Energies. Concrete paving for the driveway approach and sidewalk at the driveway entrance shall be coordinated to impact the property only once. The contractor must coordinate with WE Energies at least 24 hours before any operations which may impact access.

Deerbrook Trail and Deerwood Drive on STH 100 LT serves a commercial area which also maintains access to STH 57 at Deerwood Drive. The contractor must maintain right-in, right-out access to one of these intersections at all times, except during Stage 5. During Stage 5, Deerbrook Trail access is maintained and Deerwood Drive access is closed. Access to Deerbrook Trail during Stage 5 may be closed for a 7 calendar day period for paving operations while Deerwood Drive is closed.

Deerbrook Trail and Deerwood Drive on STH 100 RT serves the Original Village neighborhood, South of STH 100. With Ruth Place closed at STH 57, Deerbrook Trail and Deerwood Drive are the only access to this area. The contractor must maintain right-in, right-out access to one of these intersections at all times. With the North Shore Fire station located at Deerbrook Trail, the contractor shall only close the Deerbrook Trail intersection when active intersection grading and pavement construction is occurring.

Ruth Place at STH 57 will be fully closed during Stage 3 through Stage 5. The North Shore Fire Department requires emergency access from the fire station at STH 100/Deerbrook Trail to STH 57/Ruth Place to access both STH 57 and Teutonia Avenue South of the project limits. The contractor must maintain emergency access along STH 57 from Ruth Place to the South project limits. Notify the North Shore Fire Department in advance of any access changes.

A storm sewer outlet pipe will be replaced under Kildeer Court near STH 100 Station 507+00 RT. Kildeer Court is a dead-end roadway serving multiple residential properties. The work to replace the pipe must be done under flagging operations. The contractor must maintain access to and from Kildeer Court at all times. Provide residents on Kildeer Court 7 days advance notice prior to starting the flagging operations.

Kildeer Court will have restricted access for Stage 3-5. Access restrictions shall be communicated with the residents to the South since this is a dead-end roadway in advance of any stage changes.

Donges Bay Road East of STH 57 is a dead-end roadway. The contractor must maintain access to and from Donges Bay Road East of STH 57 at all times.

Work Performed Off WisDOT Right-of-Way

For work to be performed within Temporary Limited Easement (TLE) areas, the contractor shall adhere to the following restrictions:

- The contractor will conduct a meeting with the property owner at least 2 weeks prior to beginning construction within the TLE area. Monthly business progress meetings will be conducted during the construction seasons.
- The contractor will only store equipment and materials in TLE areas while work is being conducted in those TLE areas.
- The contractor shall protect in place existing trees, shrub, and landscaping that are not directly impacted by the proposed improvements. Any landscaping damaged or removed during construction outside of the slope intercepts or not shown in the plans shall be replaced at the expense of the contractor.
- Contractor shall schedule a final site walk through with the property owner and engineer after all work within the TLE has been completed.

For Parcel 7, First Citizens Bank, the contractor shall protect in place all signage, utility and stormwater infrastructure that are not directly impacted by the proposed improvements. The existing First Citizens monument sign near Station 502+00 LT shall not be impacted during construction. The existing bioretention facility located within the limits of the TLE shall not be impacted and the riprap within the overflow area shall be replaced in kind following construction.

WisDOT and the property owner of Parcel 16 (10436 N Cedarburg Road) have an approved Construction Permit Recommendation and Approval Form RE1732 for the following work and locations:

- Removal of mature maple tree outside the TLE area on the Northwest portion of the site.

The Village of Brown Deer and WisDOT have an approved Construction Permit Recommendation and Approval Form RE1732 for the following work and locations:

- Storm sewer pipe outlet replacement under Kildeer Court at Badger Meter Park along STH 100.

Snow Removal During Construction

Milwaukee County will perform snow removal operations for lanes that are open to traffic. The Village of Brown Deer will perform snow removal operations for local streets that are open to traffic. This contract shall provide for snow removal in those areas closed to traffic as required to facilitate safe construction operations and as required to eliminate snow melt run-off from crossing active roadways, and such costs are considered incidental to construction. Provide Milwaukee County Highway Maintenance and Sheriff's department with a 24-hour emergency contact number for when maintenance is required.

Sequence of Operations

- During Stage 1, the contractor shall:
 - Construct temporary asphalt paving on STH 100 at the crossovers and various median locations.
 - Construct temporary asphalt widening on the STH 57 Southbound exit ramp to STH 100.
 - Remove the existing traffic signals at the STH 57 Southbound exit ramp and install the temporary signal at STH 100 & STH 57 Southbound ramps for operation.
- Winter Shutdown Stage 1-2
- Construction operations will be suspended during Winter 2021/2022.

- During Stage 2, the contractor shall:
 - Remove the existing STH 57 bridge (B-40-153) over STH 100.
 - Construct temporary asphalt pavement within the STH 100 median locations.
 - Install temporary signals at STH 57 & Deerwood Drive and STH 57 & Schroeder Drive.
 - Modify the temporary signal at the STH 100 & STH 57 Southbound ramp for Stage 3.
 - Turn off and remove the traffic signal at STH 100 & STH 57 Northbound ramps.

- During Stage 3, the contractor shall:
 - Construct the Northbound lanes of STH 57 from STH 100 to Deerwood Drive.
 - Construct the Northbound and Southbound lanes of STH 57 from Teutonia Avenue to STH 100.
 - Construct the roundabout at STH 57 & Teutonia Avenue.
 - Construct the Eastbound lanes of STH 100 from Deerbrook Trail to Kildeer Court.
 - Construct the Westbound left lane from railroad crossing to Deerbrook Trail.
 - Turn off and cover the signal heads at STH 100 & Kildeer Court.
 - Construct the pavement rehabilitation on STH 57 Northbound from Deerwood Drive to County Line Road.
 - Construct the pavement rehabilitation on STH 57 Northbound and Southbound from County Line Road to Mequon Road.
 - Construct the Donges Bay Road intersection widening and traffic signal installation.
 - Construct temporary asphalt paving for Stage 4B and Stage 5 traffic staging.
 - Construct the concrete overlay for B-40-504.

- During Stage 4A, the contractor shall:
 - Construct the Eastbound inside lane of STH 100 from Deerwood Drive to Kildeer Court.
 - Construct the Westbound left lane from railroad crossing to Deerbrook Trail.
 - Continue construction on STH 57.
 - Construct temporary asphalt paving for Stage 4B and Stage 5 traffic staging.

- During Stage 4B, the contractor shall:
 - Construct the concrete pavement area identified in the plans within the STH 100 & STH 57 intersection.
 - Continue construction on STH 57.
 - Construct temporary asphalt paving for Stage 4B and Stage 5 traffic staging.
 - Install the temporary signal at STH 100 & STH 57 Northbound for Stage 5.

- During Stage 5, the contractor shall:
 - Construct the Southbound lanes of STH 57 from STH 100 to Deerwood Drive.
 - Construct the Northbound and Southbound lanes of STH 57 from Teutonia Avenue to STH 100.
 - Construct the roundabout at STH 57 & Teutonia Avenue.
 - Construct the Westbound lanes of STH 100 from Deerbrook Trail to Kildeer Court.
 - Construct the pavement rehabilitation on STH 57 Southbound from Deerwood Drive to County Line Road.
 - Construct the pavement rehabilitation on STH 57 Northbound and Southbound from County Line Road to Mequon Road.
 - Construct the Donges Bay Road intersection widening and traffic signal installation.
 - Construct the concrete overlay for B-40-505.
- Winter Shutdown Stage 5-6
- Construction operations will be suspended during Winter 2022/2023.
- During Stage 6, the contractor shall:
 - Complete roadway finishing items including erosion control, signing, and pavement marking.
 - Complete permanent traffic signal installation throughout the project.
 - Complete STH 100 median construction.
 - Complete remaining landscaping items.
 - Complete any remaining project punch list items.

Work Restrictions

Work performed within Badger Meter Park must be completed within 5 consecutive calendar days of the pipe outlet replacement construction in order to be in compliance with 4f property requirements and to limit the impact on park users.

Do not impact the trees/shrubs on the East (right) side of STH 57 from the roundabout (Station 97+00) to STH 100 (Station 120+00)

Only remove existing permanent signs in Stage 1 and Stage 2 which are in direct conflict with the work to be performed. For any signs removed in Stage 1 and Stage 2 a temporary sign shall be installed to replace that sign message. Moving existing signs is also acceptable. Do not remove the remaining existing permanent signs until Stage 3 traffic control is completely installed.

The Oak Leaf Trail crossing across Teutonia Avenue near Station 94+00 shall be maintained at all times. Use temporary pedestrian surfaces, curb ramps, and barricades as needed to control the crossing.

Maintain sidewalk on one side of STH 100 at all times between Arbon Drive and Deerwood Drive. Stagger the closures of existing crosswalk at STH 100/Kildeer Court, STH 57/Deerwood Drive, and STH 57/Schroeder Drive to maintain pedestrian crossing access at each intersection. Either maintain the Oak Leaf Trail crossing at Deerbrook Trail or detour the crossing and maintain the sidewalk along both sides on STH 100 between Arbon Drive and Deerwood Drive.

Fish Spawning

There shall be no instream disturbance of the Milwaukee River, Beaver Creek and South Branch Creek as a result of construction activity under or for this contract, from March 1 to June 1 both dates inclusive, in order to avoid adverse impacts upon the spawning of Redfin Shiner, Striped Shiner, and Longear Sunfish.

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.

0036 (20090901)

Migratory Birds

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

Either prevent active nests from becoming established or prevent birds from nesting by installing and/or maintaining a suitable deterrent device on the remaining structure prior to nesting activity under the bid item Installing and Maintaining Bird Deterrent System. As a last resort, apply for a depredation permit from the US Fish and Wildlife Service for work that may disturb or destroy active nests. The need for a permit may be avoided by removing the existing bridge structure prior to nest occupation by birds or clearing nests from all structures before the nests become active in early spring.

Northern Long-eared Bat (*Myotis septentrionalis*)

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

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

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

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

Winter Shutdown

Winter shutdown will commence when all contract work required in Stage 1 has been completed. Do not resume work until March 1, 2022, unless approved by the engineer. Provide a start date in writing at least 14 days prior to the planned start of construction in 2022. Upon approval the engineer will issue a notice to proceed within 10 days of the approved start date.

Winter shutdown will commence when all contract work required in Stage 5 has been completed. Do not resume work until March 1, 2023, unless approved by the engineer. Provide a start date in writing at least 14 days prior to the planned start of construction in 2023. Upon approval the engineer will issue a notice to proceed within 10 days of the approved start date.

Any roadway disturbed during the 2021 construction season shall be paved with temporary asphalt prior to winter shutdown. Temporary pavement markings are required over winter shutdown. Any roadway disturbed during the 2022 construction season shall be paved with concrete pavement prior to winter shutdown, except for the pavement intended to be constructed in Stage 6. Temporary or permanent pavement markings are required over winter shutdown.

The contractor is not responsible for snow removal or roadway maintenance during winter suspension with the exception of the following:

1. Storm sewer pipe maintenance in any excavated areas
2. Temporary pavement maintenance
3. Temporary pavement marking maintenance.
4. Temporary traffic signal maintenance
5. Temporary traffic control devices

Work Zone Restrictions

Provide plan to engineer to accomplish side road lane and shoulder closures a minimum of 7 days prior to beginning work.

Maintain acceptable driving surface within project the limits. Acceptable driving surfaces include asphaltic surface temporary, HMA pavement, or concrete pavement.

Do not park or store equipment, contractor's and personal vehicles or construction materials within the clear zone or on any roadway carrying traffic during working and non-working hours except at locations and periods of time approved by the engineer.

Storm sewer trenches shall not be left exposed overnight within the roadway or roadway clear zone.

Notifications

Notify Joyce Murphy, Southeast Region Signal Operations Engineer, at (262) 548-5933 a minimum of 7 days before a stage change to coordinate timing changes.

Notify Julie Simmons, WE Energies Substation contact, at (414) 221-2715 a minimum of 7 days before any disruptions to driveway access for the substation property.

Notify Captain James Gefke, North Shore Fire Department Captain, at (414) 357-0113 a minimum of 7 days before any closures to STH 57 South of STH 100 and closures to the intersection of STH 100 and Deerbrook Trail.

Notify David Locher, Milwaukee County Transit System contact, at (414) 343-1727 a minimum of 7 days prior to closing STH 57 or closing Deerbrook Trail North of STH 100 for transit detour coordination.

Notify Jessica Wineberg, Milwaukee County Parks, at (414) 257-4515 a minimum of 7 days before installing traffic control signs and devices impacting the Oak Leaf Trail.

Notify Matthew Maederer, Village of Brown Deer Public Works Director, at (414) 357-0120 to remove the garbage can adjacent to the bus shelter at STH 57 and Deerwood Drive if it needs to be removed.

Notify Kevin Driscoll, City of Mequon Deputy Director of Utilities, at (262) 236-2937 a minimum of 7 days prior to beginning sanitary sewer construction work.

Notify Kevin Peiffer, WisDOT Milwaukee County Maintenance Coordinator, at (414) 257-6566 for any coordination necessary related to winter maintenance on STH 57 and STH 100.

Notify the property owners on STH 57 from Station 221+00 to Station 240+00 RT two weeks prior to construction to relocate their mailboxes during construction operations.

4. Lane Rental Fee Assessment.

A General

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

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

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

Coordinate lane, ramp, and roadway closures with any concurrent operations on adjacent roadways within 3 miles of the project. If other projects are in the vicinity of this project, coordinate lane closures to run concurrent with lane closures on adjacent projects when possible. When lane closures on adjacent projects extend into the limits of this project, Lane Rental Fee Assessments will only occur if the closure facilitates work under this contract.

B Lane Rental Fee Assessment

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

- Peak Hours- \$1,000 per lane, per direction of travel, per hour broken into 15-minute increments

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

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

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

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

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

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5. Traffic.

The work under this item shall conform to the requirements of standard spec 643, the Manual on Uniform Traffic Control Devices (MUTCD), the Wisconsin Manual on Uniform Traffic Control Devices (WMUTCD) and as hereinafter provided.

All traffic control devices shall be in the proper location and in proper working order prior to work operations taking place.

Use the traffic control and staging plans to complete all contract work. All variations from the traffic control and staging plans shall be submitted for approval in writing to the engineer at least 48 hours prior to any traffic control change. Any changes to the traffic control plans must be approved by the engineer.

Place Traffic Control Signs PCMS 7 calendar days prior to any full roadway closure indicating the anticipated closures at locations designated on the plan or directed by the engineer. PCMS messages are to be approved by the engineer.

Sequencing/Staging

Traffic staging is required for roadway reconstruction and rehabilitation. The following traffic staging concept is included in the Traffic Control Plans.

Stage 1:

- Single left lane closures on STH 100 will be required to construct median removals and temporary asphalt pavement.
- Full closure of the STH 57 Southbound exit ramp will be required to construct temporary asphalt widening.
- Install and turn on the temporary traffic signal at the STH 100/STH 57 Southbound ramp intersection.

Winter Shutdown Year 1:

- Temporary traffic signals will be operational at the STH 57 Southbound exit ramp at STH 100.

Stage 2:

- Full closure of STH 57 Northbound at Green Bay Road Court will be implemented.
- Full closure of Teutonia Avenue Northbound at Dean Road will be implemented.
- STH 57 Southbound will be closed at the Southbound exit ramp to STH 100.
- Maintain access for STH 100 Eastbound to STH 57 Southbound turning movement for night-time full closure bridge demolition detour route.
- Bridge demolition to be completed under night-time full closures of STH 100.
- Close left turn lane and turning movements for STH 100 Westbound to STH 57 Southbound and STH 100 Eastbound to STH 57 Northbound.
- Turn off and cover or remove the traffic signal at the STH 100/STH 57 Northbound ramp intersection.

Stage 3:

- On STH 100, two lanes in each direction will operate bi-directionally in the existing Westbound lanes and median, except for single lane operation for STH 100 Eastbound from Arbon Drive to Deerbrook Trail. STH 100 Eastbound traffic will be in a split-lane configuration between Kildeer Court and North Upper River Road. Crossovers will be operational at each end of the project limits. The temporary traffic signal at STH 100/STH 57 will be operational. Turn off and cover or remove the existing traffic signals at STH 100/Kildeer Court for pole painting.
- On STH 57 from STH 100 to County Line Road, one lane in each direction will operate bi-directionally in the existing Southbound lanes. Temporary traffic signals will be operational at STH 57/Deerwood Drive and STH 57/Schroeder Drive. Pavement rehabilitation within the intersections of STH 57/Deerwood Drive and STH 57/Schroeder Drive to be completed under night-time full closures of the sideroads.
- STH 57 from STH 100 to South of Teutonia Avenue will be fully closed to traffic and detoured. Maintain emergency vehicle access for police and fire emergency services.
- On STH 57 from County Line Road to Mequon Road, complete work under flagging operations.
- Donges Bay Road, West of STH 57, will be fully closed to traffic and detoured. Maintain local access to Donges Bay Road, East of STH 57, since this is a dead-end roadway. Turn off traffic signal at STH 57/Donges Bay Road during Donges Bay Road full closure.
- Stage 3B is the same as Stage 3 except the Eastbound travel lane on B-40-504 is shifted to complete the concrete overlay on B-40-504.

Stage 4A:

- On STH 100, two lanes in the Westbound direction will operate in the Stage 3 lane configuration and two lanes in the Eastbound direction will operate in the proposed Eastbound pavement in the future Stage 5 lane configuration, except for single lane operation for STH 100 Eastbound from Arbon Drive to Deerbrook Trail. The crossovers will not be in operation and no split lane configuration will be implemented. The temporary traffic signal at STH 100/STH 57 will be operational. Maintain turning movements for the Southbound to Westbound right turn, the Southbound to Eastbound left turn and the Westbound to Northbound right turn. Restrict turning movements for the Eastbound to Northbound left turn.
- On STH 57 from STH 100 to County Line Road, one lane in each direction will operate bi-directionally in the existing Southbound lanes. Temporary traffic signals will be operational at STH 57/Deerwood Drive and STH 57/Schroeder Drive.
- STH 57 from STH 100 to South of Teutonia Avenue will be fully closed to traffic and detoured. Maintain emergency vehicle access for police and fire emergency services.
- On STH 57 from County Line Road to Mequon Road, complete work under flagging operations.
- Donges Bay Road, West of STH 57, will be fully closed to traffic and detoured. Maintain local access to Donges Bay Road, East of STH 57, since this is a dead-end roadway.

Stage 4B:

- On STH 100, two lanes in each direction will operate bi-directionally in the proposed Eastbound lanes and median, except for single lane operation for STH 100 Westbound from STH 57 to Deerbrook Trail. STH 100 Westbound traffic will be in a split-lane configuration between Kildeer Court and North Upper River Road. Crossovers will be operational at each end of the project limits. The temporary traffic signal at STH 100/STH 57 will be operational. Maintain turning movements for the Southbound to Westbound right turn, the Southbound to Eastbound left turn and the Westbound to Northbound right turn. Restrict turning movements for the Eastbound to Northbound left turn.
- On STH 57 from STH 100 to County Line Road, one lane in each direction will operate on its respective side of the road. Temporary traffic signals will be operational at STH 57/Deerwood Drive and STH 57/Schroeder Drive.
- STH 57 from STH 100 to South of Teutonia Avenue will be fully closed to traffic and detoured. Maintain emergency vehicle access for police and fire emergency services.
- On STH 57 from County Line Road to Mequon Road, complete work under flagging operations.
- Donges Bay Road, West of STH 57, will be fully closed to traffic and detoured. Maintain local access to Donges Bay Road, East of STH 57, since this is a dead-end roadway.

Stage 5:

- On STH 100, two lanes in each direction will operate bi-directionally in the proposed Eastbound lanes and median, except for single lane operation for STH 100 Westbound from STH 57 to Deerbrook Trail. STH 100 Westbound traffic will be in a split-lane configuration between Kildeer Court and North Upper River Road. Crossovers will be operational at each end of the project limits. The temporary traffic signal at STH 100/STH 57 will be operational.
- On STH 57 from STH 100 to County Line Road, one lane in each direction will operate bi-directionally in the proposed Northbound lanes. Temporary traffic signals will be operational at STH 57/Deerwood Drive and STH 57/Schroeder Drive. Pavement rehabilitation within the intersections of STH 57/Deerwood Drive and STH 57/Schroeder Drive to be completed under night-time full closures of the sideroads.
- STH 57 from STH 100 to South of Teutonia Avenue will be fully closed to traffic and detoured. Maintain emergency vehicle access for police and fire emergency services.
- On STH 57 from County Line Road to Mequon Road, complete work under flagging operations. Base patching operations may be completed under night-time full closures with local access maintained.
- Donges Bay Road, West of STH 57, will be fully closed to traffic and detoured. Maintain local access to Donges Bay Road, East of STH 57, since this is a dead-end roadway.
- Stage 5B is the same as Stage 5 except the Westbound travel lane on B-40-505 is shifted to complete the concrete overlay on B-40-505.

Winter Shutdown Year 2:

- On STH 100, two lanes in each direction will operate on its respective side of the road with the inside lane closed. Eastbound dual left turn lanes and a Westbound single left turn lane will be operational at the temporary traffic signal with STH 57.
- On STH 57 all lanes will be open. The temporary traffic signal with STH 100 will be operational.

Stage 6:

- Single left lane closures on STH 100 will be required to restore medians at the crossover locations and within the project termini.
- Temporary traffic signals will be operational at STH 100/STH 57.

Definitions

The following definitions apply to this contract for work restrictions:

Peak Hours (STH 57/STH 100 – Milwaukee County):

- Peak hours are defined as: from 6:00 AM to 9:00 AM and 2:00 PM to 7:00 PM Monday through Friday. Two lanes shall be provided in each direction on STH 100 during the peak periods.

Peak Hours (STH 57 – Ozaukee County):

- Peak hours are defined as Monday-Friday from 4:00 PM to 6:00 PM.

Off-Peak Hours:

- Off-peak hours are any time period not covered by the Peak Hour definitions above. Single lane operations in each direction shall be allowed during off-peak hours.

Full Closure Hours:

- Full closure hours are defined as 8:00 PM and 5:30 AM Monday, Tuesday, Wednesday, and Thursday nights, 9:00 PM Friday until 8:00 AM Saturday, 8:00 PM Saturday until 10:00 AM Sunday, and 7:00 PM Sunday until 5:30 AM Monday. Full closures will be allowed on STH 57 and STH 100 for bridge demolition, pipe crossings, and stage changes during full closure hours. Full closures of Deerwood Drive and Schroeder Drive at STH 57 will be allowed for pavement rehabilitation. Requests for full closures of STH 57 or STH 100 for other work need to be submitted to the engineer in writing 10 days before the proposed closure for review. Review does not constitute approval.

Traffic Restrictions

Maintain two lanes in each direction on STH 100 during peak hours, unless otherwise shown in the traffic control staging plans. When single lane closures are utilized during off-peak hours, maintain 16-foot clear width for OSOW permit purposes. If a 16' clear width is not maintained, additional width restriction signing shall be installed per SDD "Advanced Width Restriction Signing."

Maintain emergency vehicle access from STH 57/Ruth Place to both STH 57 and Teutonia Avenue, south of the project limits.

Construction operations requiring flagging on STH 57 from County Line Road to STH 167. The work zone length under flagging operations on STH 57 will be restricted to 1500-feet in length during off-peak hours and restricted to 500-feet in length during peak hours.

Comply with all local ordinances that apply to local street work operations, including those pertaining to working during night time hours. Furnish any ordinance variance issued by the municipality or required permits to the engineer in writing 3 days before performing this work.

Wisconsin Lane Closure System Advance Notification

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

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

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

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

Temporary Regulatory Speed Limit Reduction

During engineer-approved regulatory speed limit reductions, install temporary speed limit signs on the inside and outside shoulders of divided roadways to enhance visibility. On two-lane two-way roadways, install temporary speed limit signs on shoulders. When construction activities impede the location of a

post-mounted regulatory speed limit sign, relocate the sign for maximum visibility to motorists. If work last less than 7 days, mount the regulatory speed limit sign on a portable sign support.

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

Coordinate with Regional Traffic Section to identify the construction stages that have approved temporary regulatory speed zones documented in a Temporary Speed Zone Declaration. Primary contact phone number: (262) 822-5947, secondary contact number: (262) 548-8728.

Contact the Region Traffic Section at least 14-calendar days before installing the temporary speed zone. After installation of the temporary speed zone is complete, notify the Regional Traffic Section with field locations of temporary speed zones.

6. 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 57 and STH 100 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 Wednesday, November 24, 2021 to 6:00 AM Monday, November 29, 2021 for Thanksgiving;
- From noon Thursday, December 23, 2021 to 6:00 AM Monday, December 27, 2021 for Christmas;
- From noon Thursday, December 30, 2021 to 6:00 AM Monday, January 3, 2022 for New Year's Day;
- From noon Friday, May 27, 2022 to 6:00 AM Tuesday, May 31, 2022 for Memorial Day;
- From noon Friday, July 1, 2022 to 6:00 AM Tuesday, July 5, 2022 for Independence Day;
- From noon Friday, September 2, 2022 to 6:00 AM Tuesday September 6, 2022 for Labor Day;
- From noon Wednesday, November 23, 2022 to 6:00 AM Monday, November 28, 2022 for Thanksgiving;
- From noon Friday, December 23, 2022 to 6:00 AM Tuesday, December 27, 2022 for Christmas;
- From noon Friday, December 30, 2022 to 6:00 AM Tuesday, January 3, 2023 for New Year's Day;
- From noon Friday, May 26, 2023 to 6:00 AM Tuesday, May 30, 2023 for Memorial Day.

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7. Utilities.

These contracts do come under the provision of Administrative Rule Trans 220.

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

Some of the utility work described below is dependent on prior work being performed by the contractor at a specific site. In such situations, provide the engineer and the affected utility a good faith notice of when the utility is to start work at the site. Provide this notice 14 to 16 calendar days in advance of when the prior work will be completed, and the site will be available to the utility owner. Follow-up with a confirmation notice to the engineer and the utility owner three to five working days before the site will be ready for the utility owner to begin its work.

Project 2150-00-72

AT&T Wisconsin – Communications Line has communications lines within the project limits. AT&T does not anticipate any conflicts with these facilities.

Midwest Fiber Networks LLC – Communication Line has underground and overhead communications lines within the project limits. Midwest Fiber Network does not anticipate any conflicts with these facilities.

Milwaukee Metropolitan Sewerage District – Sewer has sewer facilities within the project limits. MMSD does not anticipate any conflicts with these facilities.

Spectrum – Communications Line has underground and overhead communications lines within the project limits. Spectrum does not anticipate any conflicts with these facilities.

Village of Brown Deer – Sanitary Sewer has sanitary sewer lines located within the project limits. Brown Deer does not anticipate any conflicts with these facilities.

WE Energies – Electric has poles, underground and overhead electric facilities within the project limits. WE Energies-Electric has existing conduit under the B-40-505 bridge deck. WE Energies-Electric does not anticipate any conflicts with these facilities.

WE Energies – Gas has underground gas facilities within the project limits. WE Energies-Gas has an existing gas line under the B-40-504 bridge deck. WE Energies-Gas does not anticipate any conflicts with these facilities.

Project 2270-04-70

AT&T Local Network – Communications Line has underground communications lines within the project limits. AT&T Local Network will discontinue in place a 1.25" conduit with fiber optic cable crossing STH 100 at Station 505+25 and Station 506+50 as well as existing handholes at Station 503+37 89' LT and Station 506+50 74' LT. AT&T Local Network will also remove the handhole at Station 502+25 78' LT. All work by AT&T Local Network to be completed prior to construction.

AT&T Wisconsin – Communications Line has underground communications lines within the project limits.

At STH 57 and River Lane, prior to construction, AT&T Wisconsin will discontinue the communications line crossing at Station 117+75 and bore a copper cable and 1.25" conduit at approximately Station 117+60. Along STH 57 from approximately Station 127+00 to Station 130+00 94' RT, prior to construction, AT&T Wisconsin will lower in place the existing cable.

At the intersection of STH 100 and Deerbrook Trail, prior to construction, AT&T Wisconsin will bore a copper cable and 1.25" conduit crossing at approximately Station 486+30 and connect to an existing handhole at Station 485+13 86' LT behind the proposed sidewalk between Station 485+13 to Station 486+30.

At the intersection of STH 100 and Deerwood Drive, prior to construction, AT&T Wisconsin will bore a copper cable crossing at approximately Station 491+10.

At the intersection of STH 57 and Deerwood Drive, prior to construction, AT&T Wisconsin will adjust existing facilities in the southeast and northeast quadrants of the intersection to work around the proposed traffic signal facilities. In addition, proposed manhole #437 installed by the highway contractor is in close proximity to AT&T Wisconsin's fiber optic line and extra caution shall be used in setting this storm sewer structure.

At the intersection of STH 57 and Schroeder Drive, prior to construction, AT&T Wisconsin will adjust existing facilities in all four quadrants of the intersection to work around the proposed traffic signal facilities

ATC Management Inc. – Electricity Transmission has facilities within the project limits. ATC does not anticipate any conflicts with these facilities.

City of Mequon Department of Public Works – Lighting has facilities within the project limits. Mequon does not anticipate any conflicts with these facilities.

City of Mequon Department of Public Works – Water has water facilities within the project limits. No conflicts or adjustments with water mains or hydrants have been identified. All water valve boxes in conflict with the contract shall be adjusted by the highway contractor. Adjust water valve boxes to match the new finished pavement elevation. Perform this work in accordance with the requirements of Adjusting Mequon Water Utility Water Boxes, Item SPV.0060.16.

City of Mequon Department of Public Works – Signals has facilities within the project limits. Mequon does not anticipate any conflicts with these facilities.

City of Mequon Department of Public Works – Sewer has sanitary sewer facilities within the project limits. All conflicts for the sanitary sewer will be completed by the highway contractor. Construct, reconstruct, relocate, remove, sanitary sewer as shown in the plans and in the bid items for this project.

Level 3 Communications LLC – Communications Line has underground communications lines within the project limits. At the intersection of STH 100 and Deerbrook Trail, during construction, Level 3 Communications will remove an existing handhole at Station 487+19, 67' LT and install a proposed

handhole at Station 487+19, 76' LT. At the intersection of STH 100 and Deerwood Drive, during construction, Level 3 Communications will adjust an existing handhole at Station 491+29, 68' LT.

Level 3 Communications has an existing fiber optic line crossing at Station 501+95 and shall be protected in place during installation of storm sewer from structure 843 to 857. This same fiber optic crossing will be lowered in place, during construction, by Level 3 Communications in conjunction with storm sewer installation from structure 833 to 835 by the highway contractor. The highway contractor shall notify the utility prior to requiring adjustments to schedule resources. The adjustments by Level 3 Communications during construction are anticipated to take 1-3 days.

Midwest Fiber Networks LLC – Communication Line has underground and overhead communications lines within the project limits. Their existing underground fiber optic cable from the west along River Lane transitions to an overhead line at a WE Energies power pole to remain in place at Station 118+23, 77' LT. Relocation of this aerial line will be completed during construction in coordination with WE Energies – Electric pole relocations. Once the WE Energies-Electric new pole is in place, Midwest Fiber Networks will complete the pole transfer of their aerial lines which are anticipated to take 1-3 days.

Midwest Fiber Network has cable crossing STH 100 near Station 520+00 within the temporary crossover which is not impacted.

Milwaukee Metropolitan Sewerage District – Sewer has sewer facilities within the project limits. The manhole at Station 491+35 70' RT will require adjustment by MMSD during Stage 3 construction and the manhole at Station 151+45, 69' LT will require adjustment during Stage 5 construction. The highway contractor shall notify the utility prior to requiring adjustment to schedule resources. The utility estimates one working day for each location of adjustment.

Spectrum – Communications Line has underground and overhead communications lines within the project limits. Spectrum, prior to construction, will install new cable and conduit from approximately Station 483+00 to Station 495+00 outside the proposed roadway curb and gutter on the left side. Spectrum, prior to construction, will install new cable and conduit crossing at approximately Station 492+00, Station 503+79, and Station 122+12.

Spectrum, during construction, will adjust existing cable in the Northeast and Northwest quadrant of the STH 57 and Schroeder Drive intersection due to the proposed traffic signal bases. The highway contractor shall notify the utility prior to requiring adjustment to schedule resources. The utility estimates two working days for each location of adjustment.

Spectrum, during construction, will bore a cable crossing at approximately Station 104+40 under the Northbound lanes and continue South in the median to Project ID 2565-07-70. The highway contractor shall notify the utility prior to requiring adjustment to schedule resources. The utility estimates two working days for each location of adjustment.

For the crossing at Station 503+79, the highway contractor is installing a 54" storm sewer pipe below this new duct. Spectrum must be present when this storm sewer pipe is installed, and the highway contractor shall notify the utility prior to installation of this storm sewer pipe. The contact for this project will be Charles Brasile, office (414) 908-4822, mobile (414) 430-5812. An on-site inspector from Spectrum must be present any time construction work is conducted within 10 feet of the facility.

Spectrum also has aerial communications lines within the project limits. Relocation of these aerial lines will be completed during construction in coordination with WE Energies – Electric. Once the WE Energies-Electric new poles are in place, Spectrum will complete the pole transfer of their aerial lines which are anticipated to take two days per location.

Verizon Business – Communication Line has underground and overhead communications lines within the project limits. Their existing underground communications line is along STH 57 from Schroeder Drive to Elmdale Road and crossed STH 57 at Schroeder Drive. Verizon does not anticipate any conflicts with these facilities.

Verizon has future plans to continue their aerial and/or underground communications line from Elmdale Road to STH 167. Future communications lines could be present at the time of construction. Verizon does not anticipate any conflicts with these future facilities.

Village of Brown Deer – Sanitary Sewer has sanitary sewer lines located within the project limits with several manholes in conflict with the project. The manholes at Station 117+82, 95' LT and 132' RT shall be adjusted to the proposed grade by the highway contractor under bid item SPV.0060.13 Adjusting Village of Brown Deer Sanitary Manhole Covers. The manhole at Station 118+20, 132' RT is filled in and not functional and the highway contractor shall discontinue the manhole under bid team 204.0250 Abandoning Manholes. The manhole at Station 478+00 located within the median shall be reconstructed

by the highway contractor in Stage 1 within the crossover temporary asphalt pavement under bid item SPV.0060.12 Reconstructing Village of Brown Deer Sanitary Manholes and the same manhole shall be adjusted by the highway contractor under bid item SPV.0060.12 Adjusting Village of Brown Deer Sanitary Manhole Covers when the median is restored in Stage 6.

Village of Brown Deer – Lighting has light poles, conduit, and cable on Deerwood Drive near STH 57. The light pole in the southwest corner of the intersection of STH 57/Deerwood Drive is in conflict. After the temporary traffic signals are installed and the permanent traffic signals are removed, contact the utility to disconnect and remove the light pole prior to Stage 5 of the project. The utility estimates one working day for each location of adjustment.

Village of Brown Deer – Water has underground water pipe, hydrants, and water valve boxes located within the project limits. Hydrants located at Station 129+40 RT, Station 134+10 RT, and Station 502+05 LT are in conflict and will be extended or relocated by the utility in conjunction with the highway contractor during Stage 3. The highway contractor shall notify the utility prior to requiring relocation to schedule resources.

The 12" underground water main is in conflict with the proposed drainage structures 835/335/363/381 and the utility contractor shall relocate the watermain around each drainage structure in conjunction with the highway contractor during Stage 3. The underground water main at Station 491+60 is in conflict with the proposed storm sewer pipe and the utility contractor shall relocate the watermain around the storm sewer pipe in conjunction with the highway contractor during Stage 3. The underground water main at Station 150+25 LT/RT and Station 151+50 LT/RT is in conflict with the proposed traffic signal bases near STH 57/Schroeder Drive and the utility contractor shall relocate the watermain around each location in conjunction with the highway contractor during Stage 3 and Stage 5. The highway contractor shall notify the utility prior to requiring relocation to schedule resources.

All water valve boxes in conflict with the contract shall be adjusted by the highway contractor under bid item SPV.0060.14 Adjusting Village of Brown Deer Water Boxes.

WE Energies – Electric has poles, underground and overhead electric facilities within the project limits. Utility poles at Station 482+44 71' LT, Station 483+90 69' LT, Station 487+11 72' RT, Station 492+67 66' LT, Station 494+15 70' LT, Station 495+70 55' LT, Station 495+93 60' RT, Station 494+14 69' RT, Station 492+35 68' RT, and Station 118+25 79' RT will be removed and relocated by WE Energies during construction. Utility poles at Station 491+32 65' LT, Station 122+58 200' LT, Station 121+37 89' LT, Station 120+21 86' LT, Station 118+77 176' LT, Station 119+05 199' RT, and Station 122+71 181' RT will be removed by WE Energies during construction. The poles at Station 482+44, Station 483+90, and Station 121+37 must be relocated or removed during Stage 1 to complete Stage 1 construction work. The remaining poles identified must be relocated or removed prior to Stage 3 or Stage 5. Utility poles at Station 120+22 84' RT and Station 121+33 81' RT must remain in place until Stage 2 when the permanent traffic signal at STH 100/STH 57 Northbound Ramps is turned off and then WE Energies will remove these poles during Stage 2. The existing utility pole at Station 118+22, 78' LT shall remain in place with no grading impacts around the existing pole. The utility estimates one to two weeks to complete the pole relocations.

WE Energies - Electric has cable in a 6" duct crossing STH 100 at Station 487+15 and Station 487+25. The highway contractor will work around this cable located within the Select Crushed Material below the Base Aggregate Dense 1-1/4" during Stage 3, Stage 5, and Stage 6. The cable will stay within the Select Crushed Material. If the cable is within the Base Aggregate Dense, contact WE Energies to lower the cable. The highway contractor shall protect the cable during grading operations and shall backfill the cable with slurry under bid item SPV.0035.01 Backfill Slurry.

WE Energies - Electric has cable crossing STH 100 near Station 518+50 within the temporary crossover which is not impacted.

WE Energies – Electric has overhead electric facilities near the STH 57 and Donges Bay Road intersection. The highway contractor shall use caution and adhere to proper clearances when working near energized lines during the erection of traffic signal equipment.

WE Energies – Gas has underground gas facilities within the project limits. At the intersection of STH 100/Deerwood Drive, prior to construction, WE Energies will discontinue the gas main crossing at Station 492+00 and bore a new 6" gas main at approximately Station 492+60. At STH 57 and River Lane, prior to construction, WE Energies will discontinue the gas main crossing at Station 117+80 and bore a new 6" gas main at approximately Station 118+10. At the intersection of STH 57/Deerwood Drive, prior to construction, WE Energies will discontinue the gas main crossing at Station 136+75 and bore a new 4" gas main at approximately Station 136+50. At the intersection of STH 57/County Line Road, prior to

construction, WE Energies will discontinue the gas main crossing at Station 172+75 and bore a new 4" gas main at approximately Station 173+50.

WE Energies - Gas has gas line crossing STH 100 near Station 518+00 within the temporary crossover which is not impacted.

Windstream KDL, LLC – Communication Line has underground communications lines within the project limits. An existing fiber optic crossing at Station 482+55 will be removed and the duct discontinued in place, with a new crossing installed at approximately Station 484+33 prior to construction. The existing fiber optic line in duct from Station 482+55 to Station 492+00, 60'-72' LT will be removed and the duct discontinued in place, with this line relocated to the south side of STH 100 behind the proposed sidewalk, prior to construction. A new fiber optic crossing will be installed at Station 492+13. Existing handholes at Station 482+55 160' RT, Station 482+55 68' LT, and Station 484+50 70' LT will be removed prior to construction. New handholes will be installed at Station 482+55 95' RT, Station 484+33 78' RT, Station 484+50 100' LT, Station 492+13 77' RT, and Station 492+00 158' LT prior to construction.

Windstream NTI, LLC – Communication Line has underground communications lines within the project limits. See description of Windstream KDL, LLC within the utilities article of the special provisions for details regarding conflicts and adjustments.

Wisconsin Department of Transportation – Lighting has light poles, bases, cable, and conduit facilities on STH 100 within the project limits. All conflicts for the lighting will be completed by the highway contractor. Construct, reconstruct, relocate, remove lighting as shown in the plans and in the bid items for this project.

Wisconsin Department of Transportation – Signals has existing traffic signals at STH 100/STH 57 Southbound Ramp, STH 100/STH 57 Northbound Ramp, STH 100/Kildeer Court, STH 57/Deerwood Drive, STH 57/Schroeder Drive, and STH 57/Donges Bay Road. All traffic signal removals, temporary signals and permanent installations will be completed by the highway contractor as identified in the traffic signal plans. The STH 100/STH 57 Southbound Ramp signal will be removed, and a temporary signal installed in Stage 1. This temporary signal will transition to a new temporary signal for the STH 57/STH 100 intersection in Stage 5 and Stage 6. The STH 100/STH 57 Northbound Ramp signal will remain operational in Stage 1 and will be removed in Stage 2. The STH 100/Kildeer Court signal will be turned off during Stage 3-5 with the planned signal modifications to be completed during that time. The STH 57/Deerwood Drive signal will be removed, and temporary signals installed in Stage 3, modified temporary traffic signals in Stage 4 and Stage 5, with the permanent traffic signal installed in Stage 5. The STH 57/Schroeder Drive signal will be removed, and temporary signals installed in Stage 3, modified temporary traffic signals in Stage 4 and Stage 5, with the permanent traffic signal installed in Stage 5. The STH 57/Donges Bay Road signal will be removed in Stage 3 with the permanent traffic signal installed in Stage 5. New traffic signals will be installed at STH 100/Deerbrook Trail and STH 57/STH 100. Coordination with Canadian National Railroad will be required to complete the railroad preemption integration. Construct, reconstruct, relocate, remove traffic signals as shown in the plans and in the bid items for this project.

WisDOT- Signals also has existing fiber optic cable along STH 100 from Arbon Drive to Kildeer Court. The removal and installation of traffic signal communications equipment will be completed by the highway contractor as identified in the traffic signal interconnect plan. The fiber optic cable will be removed in Stage 1 to complete Stage 1 construction work and will be installed in Stage 6. Traffic signal interconnect will not be operational during construction. Construct, reconstruct, relocate, remove interconnect as shown in the plans and in the bid items for this project.

Project 2565-07-70

AT&T Wisconsin – Communications Line has communications lines within the project limits. AT&T does not anticipate any conflicts with these facilities.

ATC Management Inc. – Electricity Transmission has facilities within the project limits. ATC does not anticipate any conflicts with these facilities.

Milwaukee Metropolitan Sewerage District – Sewer has sewer facilities within the project limits. MMSD does not anticipate any conflicts with these facilities.

Spectrum – Communications Line has underground and overhead communications lines within the project limits. Spectrum, during construction, will bore a cable from Station 102SB+58 to Station 104SB+00 within the median which will rise up the power pole at Station 102SB+58, 8' RT. The highway contractor shall notify the utility prior to requiring adjustment to schedule resources. The utility estimates

two working days for each location of adjustment. Spectrum also has aerial communications lines within the project limits. Relocation of these aerial lines will be completed during construction in coordination with WE Energies – Electric.

Village of Brown Deer – Sanitary Sewer has sanitary sewer lines located within the project limits with several manholes in conflict with the project. The manhole at Station 102+90, 26' LT shall be adjusted within the new concrete pavement by the highway contractor under bid item SPV.0060.13 Adjusting Village of Brown Deer Sanitary Manhole Covers. The manhole at Station 98SB+07, 69' LT is not functional, and the highway contractor shall discontinue the manhole under bid team 204.0250 Abandoning Manholes.

Village of Brown Deer – Water has underground water pipe, hydrants, and water valve boxes located within the project limits. All water valve boxes in conflict with the contract shall be adjusted by the highway contractor under bid item SPV.0060.14 Adjusting Village of Brown Deer Water Boxes.

WE Energies – Electric has poles, underground and overhead electric facilities within the project limits. The utility pole at Station 102SB+88 18' LT will be relocated during construction to approximately Station 102SB+58 8' RT. With this pole relocation, existing underground secondary conductors at Station 103SB+14 7' RT will be discontinued in place and new conductors will be installed from approximately Station 103SB+14 7' RT to the proposed pole at Station 102SB+58 8' RT mostly run through the median. The light poles at Station 94TNB+00 37' RT, Station 0B+90 49' RT, Station 1B+90 67' LT, and Station 97SB+28 28' LT will be removed during construction after both directions of STH 57 are closed in Stage 3. The highway contractor shall notify the utility prior to requiring relocation to schedule resources. The utility estimates one week to complete the pole relocations.

WE Energies – Gas has underground gas facilities within the project limits. A proposed 6" gas main will be installed via boring prior to construction along the East side of Green Bay Court and the East side of Deerwood Drive, crossing STH 57 at approximately Station 103NB+00.

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

Both the department and City of Mequon and Village of Brown Deer personnel will inspect construction of sanitary sewer and water main under this contract. However, construction staking, testing, and acceptance of the sanitary sewer and water main construction will be by the City of Mequon and Village of Brown Deer.

stp-105-001 (20140630)

9. Referenced Construction Specifications.

Construct the work enumerated below conforming to the "City of Mequon Standard Specifications for Land Development." 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.

Conform to the referenced construction specifications for the following:

- Sanitary Sewer Reinforced Concrete Collar 12-Inch
- Sanitary Sewer Reinforced Concrete Collar 21-Inch
- Sanitary Sewer Pipe Reinforced Concrete Class-II 12-Inch
- Sanitary Sewer Pipe Reinforced Concrete Class-II 21-Inch
- Sanitary Sewer Force Main Pipe PVC 8-Inch
- Sanitary Sewer Inside Drop
- Removing Sanitary Sewer Inside Drop
- Temporary Sanitary Sewer Bypass
- Adjusting City of Mequon Sanitary Manhole Covers
- Adjusting City of Mequon Water Boxes

Construct the work enumerated below conforming to the "Standard Specifications for Sewer and Water Construction in Wisconsin" 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.

Conform to the referenced construction specifications for the following:

Reconstructing Village of Brown Deer Sanitary Manholes
Adjusting Village of Brown Deer Sanitary Manhole Covers
Adjusting Village of Brown Deer Water Boxes

stp-105-002 (20130615)

10. Sanitary Sewer – City of Mequon.

The contractor shall bypass the flow of sewage, prior to disconnecting existing sanitary sewer pipe.

The contractor shall field verify existing locations and site conditions of sanitary sewer and force main pipe.

The contractor shall provide a bypass plan two months prior to the start of work, including:

Method of construction and restoration of existing sanitary force main with detail drawings and written descriptions of the entire construction procedure to install pipe, bypass sewage flow, and reconnect sanitary force main.

The bypass plan must be approved by the City of Mequon, Kevin Driscoll, (262)-236-2937, 3 days prior to the start of sanitary sewer construction. The contractor shall not begin work until they receive written approval of the bypass plan from the City of Mequon.

All pumps and bypass lines shall be of adequate capacity and size to handle all peak flows as follows:

- 4010 W. Donges Bay Road, Lift Station V, Average Daily flow 0.080 MGD; Max 0.350 MGD
- 5600 W. Mequon Rd Lift Station A, Average Daily flow 0.364 MGD; Max 1.02 MGD
- Mequon Rd Thiensville Lift Station: Average Daily flow 0.508 MGD: Max 1.52 MGD (Est.)
- Sherwood Drive: Average Daily flow 0.429 MGD; Max 0.897 MGD.

There shall be no disruption of flow to the existing lines caused by the installation of the bypass.

The contractor shall be responsible for paying for any cleanup and damage claims, or any fines imposed as a result of spills or overflows that occur as a result of the bypass operation.

The contractor shall be responsible for any permits that may be required.

11. Other Contracts

The department will be constructing WisDOT Project 2150-00-71 on STH 100/Brown Deer Road concurrently with this contract. Project 2150-00-71 will mill and overlay asphalt pavement to the West project match line at Station 481+97.91. The contractor will be required to coordinate overlapping traffic control and crossover construction operations between Arbon Drive and the railroad crossing. Project 2150-00-71 is anticipating most resurfacing to be completed in 2021 with project finishing items completed April 1, 2022.

12. Railroad Insurance and Coordination - Wisconsin Central Ltd and Fox Valley & Lake Superior Rail.

A Description

Comply with standard spec 107.17 for all work affecting Wisconsin Central Ltd and Fox Valley & Lake Superior Rail 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 and Fox Valley and Lake Superior Rail System.

Notify evidence of the required coverage, and duration to Jackie Macewicz, Manager Public Works; 3912 S. Pokegama Road, Superior, WI 54880; Telephone (715) 345-2503; E-mail: Jackie.macewicz@cn.ca.

and

Amanda Haggerty, Office Administrator; 1890 E Johnson Street, Madison, WI 53704; Telephone (608) 620-2048; E-mail: ahaggerty@watcocompanies.com.

Also send a copy to the following: Joshua Lee, SE Region Railroad Coordinator, 141 N. Barstow Street, Waukesha, WI 53188; Telephone (262)548-8673; E-mail joshua.lee@dot.wi.gov.

Include the following information on the insurance document:

- Project ID: 2270-04-70
- Work Performed: Roadway Reconstruction

#	Route Name	City/County	Crossing ID	RR Subdivision	RR Milepost
1	STH 57	Brown Deer/ Milwaukee	386836L	Saukville Sub	98.38
2	Teutonia Ave	Brown Deer/ Milwaukee	386835E	Saukville Sub	97.87

A.2 Train Operation

Approximately 6 through freight trains operate weekly at up to 25 mph. There are no switching movements.

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

Construction Contact

Jackie Macewicz, Manager Public Works; 3192 S. Pokegama Road, Superior, WI 54880; Telephone (715) 345-2503; E-mail jackie.macewicz@cn.ca for consultation on railroad requirements during construction.

and

Roger Schaalma, Superintendent of Maintenance of Way, Fox Valley and Lake Superior Railroad.; 1890 East Johnson Street, Madison, WI 53704; Telephone (608) 620-2044; E-mail rschaalma@watcocompanies.com 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

See Construction Contacts. Reference the Crossing ID, Wisconsin Milepost and Subdivision found in A.1.

Cable Locate Contact

In addition to contacting Diggers Hotline, contact the Construction Contacts above at least five working days before the locate is needed. Reference the Crossing ID, Wisconsin Milepost and Subdivision found in A.1.

Wisconsin Central Ltd (CN) and Fox Valley & Lake Superior Rail will only locate railroad owned facilities located in the railroad right-of-way. The railroad does not locate any other utilities.

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. None

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.

13. Hauling Restrictions

The contractor shall at all times conduct his operations in a manner that will cause a minimum of inconvenience to the free flow of vehicles on roadways carrying STH 57 and STH 100 traffic. The contractor will be allowed access to these roads at locations approved by the engineer.

When hauling across any public roads, the contractor shall provide the necessary flagging and signing to control the construction equipment movements. The flagging operations shall not impede traffic flow on the public roads.

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

The department has obtained coverage through the Wisconsin Department of Natural Resources to discharge storm water associated with land disturbing construction activities of this contract under the Wisconsin Pollutant Discharge Elimination System General Construction Storm Water Discharge Permit (WPDES Permit No. WI-S066796-1). A certificate of permit coverage is available from the regional office by contacting Kurt Flierl at (262) 548-8724. Post the permit in a conspicuous place at the construction site.

stp-107-056 (20180628)

15. Construction Over or Adjacent to Navigable Waters.

The Milwaukee River, Beaver Creek and South Branch Creek is classified as a state navigable waterway under standard spec 107.19.

stp-107-060 (20171130)

16. Environmental Protection

Construction materials and debris, including fuels, oil, and other liquid substances, will not be stored in the construction area in a manner that would allow them to enter a wetland or waterbody as a result of spillage, natural runoff, or flooding. If a spill of any potential pollutant occurs, it is the responsibility of the permittee to remove such material, to minimize any contamination resulting from this spill, and to immediately notify the State Duty Officer at 1 (800) 943-0003.

The work performed within Badger Meter Park is being completed as an exception for temporary occupancy. The work restrictions within Badger Meter Park are stated in the Prosecution and Progress Article.

The contractor shall use caution when working near wetland and floodplain boundaries not within the slope intercepts of the project so as to not impact these environmentally sensitive areas.

17. Environmental Protection, Aquatic Exotic Species Control.

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

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

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

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

Use the following inspection and removal procedures:

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

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

stp-107-055 (20130615)

18. Tree Protection.

Take all necessary precautions to protect trees within the project limits, unless otherwise already noted as a removal in the plans. Where the contractor perceives that even with reasonable care, damage may occur to a tree during construction, contact the engineer. This includes tree roots.

19. Erosion Control.

Add the following to standard spec 107.20 as paragraphs nine through fifteen:

- (9) Erosion control best management practices (BMP's) the plans show are at suggested locations. The actual locations shall be determined by the contractor's ECIP and by the engineer. Include each dewatering (mechanical pumping) operation in the ECIP submittal. The ECIP shall supplement information the plans show and not reproduce it. The ECIP shall identify how to implement the project's erosion control plan. ECIP shall demonstrate timely and diligently staged operations, continuing all construction operations methodically from the initial removals and topsoil stripping operations through the subsequent grading, paving, and re-application of top soil to minimize the exposure to possible erosion.
- (10) Provide the ECIP 14 days before the pre-construction conference. Provide 1 copy of the ECIP to the department and 1 copy of the ECIP to the WDNR Liaison Kristina Betzold, (414) 263-8517, Kristina.betzold@wisconsin.gov. Do not implement the ECIP until department approval, and perform all work conforming to the approved ECIP.
- (11) Maintain Erosion Control BMP's until permanent vegetation is established or until the engineer determines that the BMP is no longer required.
- (12) Stockpile excess materials or spoils on upland areas away from wetlands, floodplains, and waterways. Install perimeter silt fence protection around stockpiles within a timeframe acceptable to the engineer. If stockpiled materials will be left for more than 14 days, install temporary seed and mulch or other temporary erosion control measures the engineer orders.

- (13) Re-apply topsoil on graded areas, as designated by the engineer, within a timeframe acceptable to the engineer after grading is completed within those areas. Seed, fertilize, and mulch/erosion mat top-soiled areas, as designated by the engineer, within 5 days after placement of topsoil. If graded areas are left not completed and exposed for more than 14 days, seed those areas with temporary seed and mulch.
- (14) Do not allow excavation for; structures, utilities, grading, maintaining drainage that requires dewatering (mechanical pumping) of water containing sediments (sand, silt, and clay particles) to leave the work site or discharge to a storm water conveyance system without sediment removal treatment. Before each dewatering operation, submit to the department a separate ECIP amendment describing in words and pictorial format an appropriate BMP for sediment removal, conforming to WisDNR Storm Water Construction Technical Standard, Code 1061, Dewatering. Include reasoning, location, and schedule duration proposed for each operation. Per Code 1061, include all selection criteria: site assessment, dewatering practice selection, calculations, plans, specifications, operations, maintenance, and location of proposed treated water discharge. Provide a stabilized discharge area. If directing discharge towards or into an inlet structure, provide additional inlet protection for back-up protection.
- (15) Dewatering is incidental.
sef-107-010 (20180104)

20. Maintaining Drainage.

Maintain drainage at and through worksite during construction conforming to standard spec 107.22, 204, 205 and 520.

Use existing storm sewers, existing culvert pipes, existing drainage channels, temporary culvert pipes, or temporary drainage channels to maintain existing surface and pipe drainage. Pumps may be required to drain the surface, pipe, and structure discharges during construction. Costs for furnishing, operating, and maintaining the pumps is considered incidental to the project.

Dewatering (Mechanical Pumping) for Bypass Water (sediment-free) Operations

If dewatering bypass operations are required from one pipe structure to another downstream pipe structure or from the upstream to downstream end of a culvert and the bypass flow is not transporting sediments (sand, silt, and clay particles) from a tributary work site area, bypass pumping operations will be allowed provided that the department has been made aware of and approves operation. When pumping bypass flows, the discharge location will need to be stable and not produce erosion from the discharge velocity that would cause release of sediment downstream.

Dewatering (Mechanical Pumping) for treatment Water (sediment-laden) Operations

If dewatering operations require pumping of water containing sediments (sand, silt, and clay particles), the discharge will not be allowed to leave the worksite or discharge to a stormwater conveyance system without sediment removal treatment. Refer to article Erosion Control in these special provisions for additional requirements.

sef-107-016 (20170310)

21. Notice to Contractor – Contamination Beyond Construction Limits.

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

1. STH 57 Station 229+75 to 230+25, from reference line to project limits right, from 8' to at least 16' below ground surface.

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

The Hazardous Materials Report is available by contacting: Andrew Malsom, Wisconsin Department of Transportation, 141 NW Barstow, Waukesha, WI 53187, (262) 548-6705, Andrew.Malsom@dot.wi.gov.
stp-107-100 (20050901)

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

John Roelke, License Number All-119523, inspected Structure B-40-504 for asbestos on April 22, 2019. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: Kurt Flierl, (262) 548-8724.

John Roelke, License Number All-119523, inspected Structure B-40-505 for asbestos on November 19, 2019. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: Kurt Flierl, (262) 548-8724.

stp-107-127 (20120615)

23. Dust Control Implementation Plan.

A Description

This special provision describes developing, updating, and implementing a detailed Dust Control Implementation Plan (DCIP) for all land-disturbing construction activities and associated impacts both within the project site boundaries and outside the project site boundaries. Incorporate contract bid items that this article specifies into the DCIP.

B (Vacant)

C Construction

C.1 General

Control dust on the project as specified in standard spec 107.18. Minimize dust emissions resulting from land disturbing activities. Do not generate excessive air borne particulate matter (PM) or nuisance dust conditions. Control dust at all times during the contract.

Submit a DCIP to the engineer for review at least 14 calendar days before the preconstruction conference. Coordinate with the department, if requested, to resolve DCIP related issues before the preconstruction conference. The department will either approve the DCIP or request revisions. Do not initiate land-disturbing activities without the department's approval of the DCIP.

C.2 DCIP Contents

Develop a DCIP tailored to the specific needs of the project. Consider potential impacts to businesses and residences adjacent to the job site. Describe in detail all land disturbing, dust generating activities. Identify strategies to prevent, mitigate, and collect excess dust. Establish clear lines of communication with the engineer to ensure that all dust control issues can be dealt with promptly.

Include all of the following:

1. A single contact person with overall responsibility for the DCIP development as well as surveillance and remediation of job related dust. Provide:
 - Name, firm, address, and working-hours phone number.
 - Non-working-hours phone number.
 - Email address.
2. A site map locating project features, the job site boundaries, all ingress and egress points, air intakes and other dust-sensitive areas, and all public and private paved surfaces within and adjacent to the job site. Show where specific land disturbing, dust generating activities will occur and, to the extent possible, where employing various dust control or prevention strategies.

3. A matrix, or plan, for each anticipated land disturbing, dust generating activity, showing the following:
 - Preventive measures that shall be employed.
 - The applicable contact person.
 - The contractor's timetable and surveillance measures used to determine when remediation is required.
 - The specific dust control and remediation measures that shall be employed. Identify the specific contract bid items that shall be used for payment. Indicate costs and practices that are incidental to the contract.
 - Both maintenance and cleanup schedules and procedures.
 - Excess and waste materials disposal strategy.
4. A description of monitoring and resolving off-site impacts.

C.3 Updating the DCIP

Update the DCIP during the contract or as the engineer directs. Obtain the engineer's approval for all DCIP alterations. Also obtain the engineer's approval for routine DCIP adjustments for weather, job conditions, or emergencies that will have an impact on payment under the bid items listed in the approved DCIP.

C.4 Dust Control Deficiencies

Coordinate with engineer to determine deadlines for resolving dust control deficiencies. Deficiencies include actions or lack of actions resulting in excessive dust, non-compliance with the contractor's DCIP or associated special provisions, and not properly maintaining equipment.

D Measurement

The department will measure the various bid items associated with dust control as specified in the applicable measurement subsections of either the standard specs or other contract special provisions. The department will not measure work performed under a DCIP alteration unless the engineer specifically approves that alteration.

Measurement under the DCIP includes the contract bid items listed in this special provision:

624.0100 Water

628.7560 Tracking Pads

The department will measure work completed under other existing contract bid items if approved as a part of the DCIP. The department will consider new bid items to the contract if proposed under the DCIP. The department will not measure work required under the DCIP that is not included in contract bid items.

E Payment

All costs associated with the development and updating of the DCIP are incidental to the contract. The department will pay separately for the work required to implement the actions approved in the DCIP under the contract bid items approved as a part of the DCIP. All other costs associated with work approved under the DCIP are incidental to the contract.

sef-107-005 (20170323)

24. Material Stockpile and Equipment Storage.

Submit a map showing all proposed material stockpile and equipment storage locations to the engineer 14 calendar days before either the preconstruction conference or proposed use, whichever comes first. Identify the purpose; length, width & height; and duration of material stockpile or equipment storage at each location. Obtain written permission and necessary permits from the property owner and local governments/agencies and submit two copies to the engineer. Do not stockpile material or store equipment until the engineer approves.

Material stockpiles and equipment storage on STH 57 North of STH 100 and on STH 100 is limited to a height of 5 feet and 14 calendar days unless the engineer approves otherwise in writing. Material stockpiles and equipment storage shall be 3 feet from sidewalks and the face of curb and shall not inhibit intersection or driveway vision triangles.

SER-107-011 (20181019)

25. Coordination with Businesses and Residents.

The contractor shall arrange and conduct a meeting between the contractor, the department, affected residents, local officials and business people to discuss the project schedule of operations including vehicular and pedestrian access during construction operations. Hold the first meeting at least one week before the start of work under this contract and hold one meeting per month thereafter. 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)

The contractor shall include North Shore Fire Department and Brown Deer Police Department in the coordination meetings.

26. Notice to Contractor – Milwaukee County Transit System.

The Milwaukee County Transit System (MCTS) operates the following bus routes within the construction limits: Route 12. Invite MCTS to all coordination meetings between the contractor, the department, local officials and business people to discuss the project schedule of operations including vehicular and pedestrian access during construction operations.

Notify MCTS at least 10 business days prior to beginning work. If necessary, MCTS will remove their existing bus stop signs and shelters before work begins and re-install or replace bus stop signs and shelters before new pavement opens to vehicular traffic. The contractor shall provide temporary bus stops with ADA compliant pedestrian accommodations, to be paid under separate bid item. Temporary bus stops must be connected to the sidewalk network when one is available. MCTS will provide temporary bus stop signs.

The MCTS contacts are:

Melanie Flynn
Milwaukee County Transit System – Routes
1942 N. 17th St.
Milwaukee, WI 53205
Phone: (414) 343-1764
Mflynn@MCTS.org

Armond Sensabaugh
Milwaukee County Transit System – Bus Stops
1942 N. 17th St.
Milwaukee, WI 53205
Phone: (414) 343-1728
ASensabaugh@mcts.org

David Locher
Transportation Specialist
Phone: (414) 343-1727
Dlocher@MCTS.org

SER-107-004 (20180413)

27. Notice to Contractor – Traffic Signal Equipment Lead Time.

Order traffic signal equipment as soon as possible to assure the equipment is procured in a timely fashion and, therefore, installed, inspected, and ready for turn-on at the required date.

28. Notice to Contractor – STH 57 and Donges Bay Road SB2 Signal Base Location.

At the intersection of STH 57 and Donges Bay Road (S45-0542), the proposed SB2 signal base is intended to be located in the same location as the existing signal base due to the underground utilities near that location.

29. Notice to Contractor – Existing Underground Drainage Structure Near STA 139+00.

There is an existing box culvert (B-40-154) which crosses under STH 57, North of Deerwood Drive near Station 139+00. This box culvert connects to two Village of Brown Deer culvert pipe underground near the Northeast quadrant of the STH 57/Deerwood Drive intersection and outlets to the Milwaukee River to the East.

30. Available Documents.

The department will make its information available to bidding contractors. The list of documents that are available for contractors' information includes:

- Design Study Report
- Environmental Document
- Hazardous Materials Report
- As-Built Drawings
- Preconstruction survey
- Traffic Management Plan
- 4f Property Exception Letter – Badger Meter Park
- Construction Permit Recommendation and Approval – Badger Meter Park

These documents are available from Kurt Flierl at 141 NW Barstow Street, Waukesha, WI 53187 at kurt.flierl@dot.wi.gov, or (262) 548-8724.

Reproduction costs will be applied to all copies requested.

sef-102-005 (20170310)

31. Removing Old Structure 120+00, Item 203.0200.01.

Add the following to standard spec 203.3.2.2.1 (1):

The finished ground line within the bridge removal area is defined as the bottom of the Select Crushed Material. All existing piles and footings must be removed to 2 feet below the bottom of the Select Crushed Material.

32. Abatement of Asbestos Containing Material B-40-0153, Item 203.0210.S.01.

A Description

This special provision describes abating asbestos containing material on structures.

B (Vacant)

C Construction

John Roelke, License Number All-119523, inspected Structure B-40-0153 for asbestos on April 22, 2019. Regulated Asbestos Containing Material (RACM) was found on this structure in the following locations and quantities: The caulk located around the railing attachment plates and around the bolts in the attachment plates, and the gasket under the railing attachment plate.

The RACM on this structure must be abated by a licensed abatement contractor. A copy of the inspection report is available from Kurt Flierl at 262-548-8724. According to NR447 and DHS159, ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 4/11), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days before beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form and the abatement report to Kurt Flierl at (262) 548-8724 and DOT BTS-ESS attn: Hazardous Materials Specialist, PO Box 7965, Madison, WI 53707-7965. In addition, comply with all local or municipal asbestos requirements.

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

- Site Name: Structure B-40-0153, STH 57-GREEN BAY RD over STH 100-BROWN DEER RD
- Site Address: Latitude 431041.74, Longitude 875742.06, V-BROWN DEER (40107), Section Town Range 0108N22E
- Ownership Information: WisDOT Transportation Southeast Region, 141 NW Barstow Street, PO Box 798, Waukesha WI 53187-0798
- Contact: Kurt Flierl
- Phone: (262) 548-8724
- Age: 58 years. This structure was constructed in 1963.
- Area: 14,655 SF of deck

Insert the following paragraph in Section 6.g.:

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

D Measurement

The department will measure Abatement of Asbestos Containing Material B-40-0153, completed in according to the contract and accepted, as a single complete lump sum unit of work.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
203.0210.S.01	Abatement of Asbestos Containing Material B-40-0153	LS

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

stp-203-005 (20120615)

33. Removing Concrete Surface Partial Depth, Item 204.0109.S.

A Description

This special provision describes removing a portion of concrete surfaces as the plans show and conforming to standard spec 204.

B (Vacant)

C Construction

C.1 Equipment

Use a machine that provides a surface finish acceptable to the engineer. Shroud the machine to prevent discharge of any loosened material into adjacent work areas or live traffic lanes.

Use a machine that is equipped with electronic devices that provide accurate depth, grade and slope control, and acceptable dust control system.

C.2 Methods

Remove existing concrete to the depths as shown on the plan by grinding, planing, chipping, sawing, milling, or by using other methods approved by the engineer.

Perform the removal operation in such a manner as to preclude damage to the remaining pavement and results in a reasonable uniform plane surface free of excessive large scarification marks and having a uniform transverse slope.

The sequence of removal operations shall be such that no exposed longitudinal joints 2 inches or more in depth remain during non-working hours. Windrowing or storing of the removed material on the roadway will only be permitted in conjunction with a continuous removal and pick-up operation. During non-working hours, clear the roadway of all materials and equipment.

Removed pavement becomes the property of the contractor. Properly dispose of it as specified in standard spec 204.3.1.3.

D Measurement

The department will measure Removing Concrete Surface Partial Depth in area by the square foot of surface area removed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
204.0109.S	Removing Concrete Surface Partial Depth	SF

Payment is in full compensation for removing the concrete; and for disposing of materials.

stp-204-041 (20080902)

34. Removing or Abandoning Miscellaneous Structures.

Replace standard spec 204.5.1(3) with the following:

When backfilling with Backfill Granular as specified in this special provision article or as directed by the engineer, the item Backfill Granular will be paid for under the item Backfill Granular Grade 1.

At locations where Backfill Granular is not specified, contractor may choose to use either Backfill or Backfill Granular, and no separate payments will be made for using Backfill Granular.

Add the following to standard spec 204.3.2.2:

Backfill existing storm sewer or existing storm sewer structure locations shown for removal or abandonment outside the new traveled way with native backfill immediately after completing the sewer work. Backfill according to standard spec 209 within the traveled way.

All backfill, including native material, provided for removal or abandonment of existing storm sewer structures and pipes is considered incidental to the appropriate bid item.

SEF Rev. 14_1215

35. Abandoning Sewer, Item 204.0291.S.

A Description

This special provision describes abandoning existing sewer by filling it with cellular concrete according to the pertinent requirements of standard spec 204 and standard spec 501, as shown in the plans, and as hereinafter provided.

B Materials

Provide cellular concrete meeting the following specifications: 1 part cement, 1 part fly ash, 8 parts sand, or an approved equal, and water. Provide cement meeting the requirements of standard spec 501.2.1 for Type 1 Portland Cement. Provide sand meeting the requirements of standard spec 501.2.5.3 Provide water meeting the requirements of standard spec 501.2.4.

C Construction

Fill the abandoned sewer pipe with cellular concrete as directed by the engineer. In the event that the sewer cannot be completely filled from existing manholes, tap the sewer where necessary and fill from these locations.

D Measurement

The department will measure Abandoning Sewer in volume by the cubic yard according to standard spec 109.1.3.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
204.0291.S	Abandoning Sewer	CY

Payment is full compensation for furnishing all materials and excavating and backfilling where necessary.
204-050 (20080902)

36. Removing Communication Vault, Item 204.9060.S.61.

A Description

This special provision describes removing an existing communication vault.

B Materials

Materials include existing communication vault and restoration materials such as backfill, topsoil, seeding, mulch, and fertilizer according to the pertinent provisions of standard spec 201, 625, 627, 629, 630, 636, and 640.

C Construction

Disconnect and cap conduit entering the communication vault. Remove and dispose of the communication vault. Backfill with material similar to the material surrounding the removal and restore the disturbed area by placing 4-inches of topsoil, and fertilize, seed, and mulch all disturbed areas according to the pertinent requirements of the standard specifications.

It is acceptable to re-use the vault lid in instances where new communications vaults are being installed in the project and the existing lid is undamaged. It is the contractor's responsibility to determine if the existing vault lids fit on the proposed vaults.

D Measurement

The department will measure Removing Communication Vault by the 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
204.9060.S.61	Removing Communication Vault	EACH

Payment is full compensation for removing and disposing of a communication vault; for backfill, topsoil, fertilizer, seed and mulch.

37. Remove Traffic Signals STH 57 & STH 100, Item 204.9105.S.61; Remove Traffic Signals STH 100 & N Kildeer Ct, Item 204.9105.S.62; Remove Traffic Signals STH 57 & N Deerwood Dr, Item 204.9105.S.63; Remove Traffic Signals STH 57 & W Schroeder Dr, Item 204.9105.S.64; Remove Traffic Signals STH 57 & Donges Bay Rd, Item 204.9105.S.65.

A Description

This special provision describes removing existing traffic signals at the intersection of STH 57 & STH 100, STH 100 & N Kildeer Ct, STH 57 & W Deerwood Dr, STH 57 & W Schroeder Dr, and STH 57 & Donges Bay Rd according to the pertinent provisions of standard spec 204 and as hereinafter provided. Specific removal items are noted in the plans.

B (Vacant)

C Construction

Arrange for the de-energizing of the traffic signals with the local electrical utility after receiving approval from the engineer that the existing traffic signals can be removed.

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the removal of the traffic signals. Complete the removal work as soon as possible following shut down of this equipment.

The department assumes that all equipment is in good condition and in working order prior to the contractor's removal operation. Prior to removal, inspect and provide a list of any damaged or non-working traffic signal equipment to the engineer. Any equipment not identified as damaged or not working, prior to removal, will be replaced by the contractor at no cost to the department.

Remove all standards and poles per plan from their concrete footings and disassemble out of traffic. Remove the transformer bases from each pole. Remove the signal heads, emergency vehicle preemption heads (evp), radio interconnect antenna, mast arms, luminaires, wiring/cabling, and traffic signal mounting devices from each signal standard, arm or pole. Ensure that all access hand hole doors and all associated hardware remain intact. Dispose of the underground signal cable, internal wires and street lighting cable off the state right-of-way. Deliver the remaining materials to the West Allis Electrical Service Facility at 935 South 60th Street, West Allis, Milwaukee County. Contact the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to delivery to make arrangements.

DOT forces shall remove the signal cabinet from the footing. The signal cabinet and associated signal cabinet equipment will be removed from the site by DOT forces and will remain the property of the department.

D Measurement

The department will measure Remove Traffic Signals as a single lump sum unit of work for each intersection, 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
204.9105.S.61	Remove Traffic Signals STH 57 & STH 100	LS
204.9105.S.62	Remove Traffic Signals STH 100 & N Kildeer Ct	LS
204.9105.S.63	Remove Traffic Signals STH 57 & N Deerwood Dr	LS
204.9105.S.64	Remove Traffic Signals STH 57 & W Schroeder Dr	LS
204.9105.S.65	Remove Traffic Signals STH 57 & Donges Bay Rd	LS

Payment is full compensation for removing, disassembling traffic signals, scrapping of some materials, disposing of scrap material, for delivering the requested materials to the department, and incidentals necessary to complete the contract work.

- 38. Remove Loop Detector Wire and Lead-in Cable STH 57 & STH 100, Item 204.9105.S.66;
Remove Loop Detector Wire and Lead-in Cable STH 57 & N Deerwood Dr, Item
204.9105.S.67;
Remove Loop Detector Wire and Lead-in Cable STH 57 & W Schroeder Dr, Item
204.9105.S.68;
Remove Loop Detector Wire and Lead-in Cable STH 57 & Donges Bay Rd, Item
204.9105.S.69;
Remove Loop Detector Wire and Lead-in Cable STH 100 & N Kildeer Ct, Item
204.9105.S.70.**

A Description

This special provision describes removing loop detector wire and lead-in cable at the intersection s of STH 57 & STH 100, STH 57 & W Deerwood Dr, STH 57 & W Schroeder Dr, and STH 57 & Donges Bay Rd. Removal will be according to standard spec 204, as shown in the plans, and as hereinafter provided.

B (Vacant)

C Construction

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the removal of the loop detector wire and lead-in cable.

Remove and dispose of detector lead-in cable including loop wire for abandoned loops off the right-of-way.

D Measurement

The department will measure Remove Loop Detector Wire and Lead-in Cable as a single lump sum unit of work for each intersection, 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
204.9105.S.66	Remove Loop Detector Wire and Lead in Cable STH 57 & STH 100	LS
204.9105.S.67	Remove Loop Detector Wire and Lead in Cable STH 57 & N Deerwood Dr	LS
204.9105.S.68	Remove Loop Detector Wire and Lead in Cable STH 57 & W Schroeder Dr	LS
204.9105.S.69	Remove Loop Detector Wire and Lead in Cable STH 57 & Donges Bay Rd	LS
204.9105.S.70	Remove Loop Detector Wire and Lead in Cable STH 100 & N Kildeer Ct	LS

Payment is full compensation for removing, scrapping, and disposing of material and incidentals necessary to complete the contract work.

39. 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 petroleum contaminated soil at a DNR approved bioremediation facility. The closest DNR approved bioremediation facilities are:

Waste Management Orchard Ridge Security Landfill
W124 N9355 Boundary Road
Menomonee Falls, WI 53051
(262) 509-5629

Waste Management Metro Landfill
10712 South 124th Street
Franklin, WI 53132
(414) 529-6180

Advanced Disposal Emerald Park Landfill
W124 S10629 124th Street
Muskego, WI 53150
(414) 529-1360

Perform this work conforming to standard spec 205 and with pertinent parts of 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 for locations within this project where excavation is required. Testing indicated that petroleum-contaminated soil is present at the following location where excavation is required, as shown on the plans:

- STH 57 from Station 229+75 to 230+25, from reference line to project limits right, from 8' to at least 16' below ground surface. Soil contains petroleum volatile organic compounds (PVOCs) and must be managed. Approximately 1 cubic yard (approximately 1.7 tons at an estimated 1.7 tons per cubic yard) of soil will be excavated from this location.

Directly load soil excavated by the project at the above locations into trucks that will transport the soil to a WDNR-licensed bioremediation facility for treatment and disposal.

If contaminated soils are encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer. If dewatering is required at the above locations, conduct the dewatering according to Section C below.

The excavation management plan for this project has been designed to minimize the offsite treatment or disposal of contaminated material. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding previous investigation and remediation activities near this project, contact:

Name: Mr. Andrew Malsom
 Address: 141 NW Barstow Street, PO Box 798, Waukesha, WI 53187-0798
 Phone: (262) 548-6705
 Fax: (262) 548-6891
 E-mail: Andrew.Malsom@dot.wi.gov

A.3 Coordination

Coordinate work under this contract with the environment consultant:

Consultant: Ramboll
 Address: 234 W. Florida Street, Fifth Floor, Milwaukee, WI 53204
 Contact: Mr. Mark Walter, PE
 Phone: (414) 837-3563 office, (608) 220-2480 cell
 Fax: (414) 837-3608
 E-mail: Mark.Walter@ramboll.com

The role of the environmental consultant will be limited to:

1. Determining the location and limits of contaminated soil to be excavated based on soil analytical results from previous investigations, visual observations, and field screening of soil that is excavated;
2. Identifying contaminated soils to be hauled to the bioremediation facility;
3. Documenting that activities associated with management of contaminated soil are in conformance with the contaminated soil management methods for this project as specified herein; and
4. Obtaining the necessary approvals for disposal of contaminated soil from the bioremediation facility.

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 PVOCs. 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 soil excavated.

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

Directly load and haul soils designated by the environmental consultant for offsite bioremediation to the DNR approved bioremediation facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of petroleum-contaminated soils or residues. Before transport, sufficiently dewater soils designated for off-site bioremediation so as not to contain free liquids.

If dewatering is required in areas of known contamination, water generated from dewatering activities will likely contain PVOs. Such water may, with approval of the local wastewater treatment utility, be discharged to the sanitary sewer or at the treatment facility directly as follows:

Meet all applicable requirements, including the control of suspended solids. Perform all necessary monitoring to document compliance with requirements. Furnish, install, operate, maintain, disassemble, and remove treatment equipment necessary to comply with requirements.

Ensure continuous dewatering and excavation safety at all times. 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 statutes, judiciary decisions, and regulations of the State of Wisconsin.

Costs associated with excavation dewatering in the contaminated areas are considered incidental to this pay item. The Wisconsin Department of Transportation will be the generator of regulated solid waste from this construction project.

D Measurement

The department will measure Excavation, Hauling, and Disposal of Petroleum 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
205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	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 soil samples for field evaluation; and dewatering of soils before transport, if necessary. Management and disposal of contaminated water is considered incidental to other bid items in the contract. The department will not pay directly for management and disposal/treatment of contaminated water.

stp-205-003 (20150630)

**40. Coloring Concrete Custom Scofield Rust Fields, Item 405.0200.01;
Coloring Concrete Custom Scofield Schooner Beige, Item 405.0200.02;
Coloring Concrete Custom Scofield Plum Chestnut, Item 405.0200.03.**

This special provision describes coloring concrete Scofield Rust Fields, 01; Scofield Schooner Beige, 02; and Scofield Plum Chestnut, 03, for incorporation full-depth in work constructed under other contract bid items. Conform to standard spec 405 as modified in this special provision.

Replace standard spec 405.2.1.1(1) with the following:

- (1) Integrally color concrete using non-fading pigments conforming to ASTM C979.
- For Scofield Rust Fields: use synthetic iron oxides at a loading of 6 percent or more by weight of total cementitious material in the mix. Match the concrete color in reasonably close conformance with Scofield Rust Fields color, which is similar to Federal Standard 595 - FS 20100.
 - For Scofield Schooner Beige: use synthetic iron oxides at a loading of 6 percent or more by weight of total cementitious material in the mix. Match the concrete color in reasonably close conformance with Scofield Schooner Beige color, which is similar to Federal Standard 595 - FS 3324.
 - For Scofield Plum Chestnut: use synthetic iron oxides at a loading of 6 percent or more by weight of total cementitious material in the mix. Match the concrete color in reasonably close conformance with Scofield Plum Chestnut color, which is similar to Federal Standard 595 - FS 10091.

Replace standard spec 405.2.1.1(3) with the following:

- (3) The department will accept the color based on comparison to color samples available for viewing at the intersection of STH 100 and 51st Street.

Replace standard spec 405.2.1.4.3(3) with the following:

- (3) At an engineer-allowed location on the project, place, finish, and cure a 10-foot by 10-foot by 6-inch colored concrete test slab using the same methods proposed for contract work. Produce test slabs using the same workers designated to perform the contract work. Retain samples of cements, sands, aggregates, and color additives used in test slabs for comparison with materials used in contract work. Use at least a 2-cubic-yard batch or a batch of the size proposed for production whichever is larger. After review of the trial batches, the final color is to be approved by the Village of Brown Deer, Mr. Matthew Maederer, (414) 357-0120, prior to placement of any colored concrete at plan locations in the field. Dispose of surplus or unsuitable material as specified under standard spec 205.3.12.

stp-405-020 (20190618)

**41. Concrete Pavement Joint Layout 2270-04-70, Item 415.5110.S.01;
Concrete Pavement Joint Layout 2565-07-70, Item 415.5110.S.02;**

A Description

This special provision describes providing a concrete pavement or concrete base joint layout design for intersections and marking the location of joints in the field

B (Vacant)

C Construction

Plan and locate all points necessary to establish the horizontal position of the transverse and longitudinal joints in the concrete to prevent uncontrolled cracking. Submit a joint layout design to the engineer at least 7 calendar days before paving each intersection. Do not lay out joints until the engineer has reviewed the joint layout design. Mark the location of concrete joints in the field. Follow the plan details for joints in concrete making adjustments as required to fit field conditions.

D Measurement

The department will measure Concrete Pavement Joint Layout as a single lump sum unit for all joint layout designs and marking, 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
415.5110.S.01	Concrete Pavement Joint Layout 2270-04-70	LS
415.5110.S.02	Concrete Pavement Joint Layout 2565-07-70	LS

Payment is full compensation for providing the intersection joint layout designs and marking all joints in the field.

The department will adjust pay for crack repairs as specified in standard spec 415.5.3.

stp-415-020 (20170615)

42. 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.
- (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:

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

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

B Materials

B.1 Personnel

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

B.2 Testing

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

B.3 Equipment

B.3.1 General

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

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

B.3.2 Comparison of Nuclear Gauges

B.3.2.1 Comparison of QC and QV Nuclear Gauges

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

B.3.2.2 Comparison Monitoring

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

B.4 Quality Control Testing and Documentation

B.4.1 Lot and Sublot Requirements

B.4.1.1 Mainline Traffic Lanes, Shoulders, and Appurtenances

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

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

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

B.4.2 Pavement Density Determination

B.4.2.1 Mainline Traffic Lanes and Appurtenances

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

B.4.2.2 Mainline Shoulders

B.4.2.2.1 Width Greater Than 5 Feet

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

B.4.2.2.2 Width of 5 Feet or Less

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

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

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

B.4.2.4 Documentation

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

B.4.3 Corrective Action

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

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

B.5 Department Testing

B.5.1 Verification Testing

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

B.5.2 Independent Assurance Testing

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

B.6 Dispute Resolution

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

B.7 Acceptance

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

C (Vacant)

D (Vacant)

E Payment

E.1 QMP Testing

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

E.2 Disincentive for HMA Pavement Density

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

E.3 Incentive for HMA Pavement Density

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

43. Cold Patch, Item 495.1000.S.

A Description

This special provision describes furnishing cold patch and filling potholes and other voids in existing pavement surfaces as the engineer directs.

B Materials

Furnish a mixture of course aggregate, natural sand, and MC-250 bituminous material designed to have a workability range of 15-100° F without heating. Ensure that the mixture:

- Adheres to wet surfaces.
- Resists damage from water, salt, and deicing products.
- Requires no mixing or special handling before use.
- Supports traffic immediately after placement and compaction.

Conform to the following gradation:

SIEVE SIZE	PERCENT PASSING (by weight)
1/2-inch (12.5 mm)	100
3/8-inch (9.5 mm)	90 - 100
No. 4 (4.75 mm)	90 max
No. 8 (2.38 mm)	20 - 65
No. 200 (0.074 mm)	2 - 10
Bitumen	4.8 - 5.4

The department will accept cold patch based primarily on the engineer's visual inspection. The department may also test for gradation.

C Construction

Stockpile cold patch on site on a smooth, firm, well-drained area cleared of vegetation and foreign material. Cover the stockpile and ensure that it is easily accessible. Replenish the stockpile throughout the project duration but limit the size at any given time to 10 tons on site unless the engineer approves otherwise. Dispose of unused material at project completion unless the engineer directs otherwise.

Place cold patch by hand. Remove ponded water and loose debris before placement. Compact flush with a tamper, roller, or vehicle tire after placement.

Refill patched areas as necessary to maintain a flush pavement surface until project completion.

D Measurement

The department will measure Cold Patch by the ton, acceptably stockpiled on site.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
495.1000.S	Cold Patch	TON

Payment for Cold Patch is full compensation for providing and maintaining patches; for furnishing and replenishing stockpiled material on-site; and for disposing of excess material at project completion.

stp-495-010 (20160607)

44. Crack Sealing Epoxy, Item 502.0717.S.

A Description

This special provision describes sealing transverse and longitudinal cracks in bridge decks.

B Materials

Provide a penetrating sealant that is listed on the department's approved product listing, "Low Viscosity Crack Sealers".

C Construction

Clean the cracks to be sealed by the use of high pressure air after Cleaning Deck and Preparation Deck are completed.

Pour the epoxy sealant into the cracks to be sealed after the deck preparation has been completed and before the overlay is placed. Place the sealant in as narrow a band as possible so that the bond of the new concrete overlay to the existing concrete is not impaired.

At no expense to the department, clean all spills and clean all areas of too wide a band of sealant before the overlay is placed.

D Measurement

The department will measure Crack Sealing Epoxy in length by the linear foot of cracks, sealed 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
502.0717.S	Crack Sealing Epoxy	LF

Payment is full compensation for furnishing and placing the epoxy sealant, including any required cleaning.

stp-502-015 (20090901)

45. Protective Surface Treatment Reseal, Item 502.3215.S.

A Description

This special provision describes resealing existing structures with protective surface treatment.

B Materials

Furnish a clear commercial protective surface treatment selected from the department's approved products list.

C Construction

Apply protective surface treatment to the entire top surface of the bridge deck; curb, including vertical face; median and sidewalk surfaces; and the inside faces and tops of concrete parapets.

Ensure that the concrete is surface-dry for a minimum of one day before application. Delay application if rain is expected or protect from rain for up to 12 hours after application.

Ensure that the concrete is clean. Air blast immediately before applying the protective surface treatment to remove all dust or loose particles. Also ensure that application equipment is clean and functioning properly.

Use the manufacturer's recommended methods. Apply at the rate the manufacturer recommends unless that rate causes ponding.

Do not open the bridge to service until trafficked areas are dry enough to sustain traffic without causing damage to the treatment or creating a safety hazard.

D Measurement

The department will measure Protective Surface Treatment Reseal 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
502.3215.S	Protective Surface Treatment Reseal	SY

Payment is full compensation for resealing, including surface preparation and cleaning.

stp-502-055 (20080902)

46. Cleaning Decks to Reapply Concrete Masonry Overlay, Item 509.0505.S.

A Description

This special provision describes cleaning the entire bridge deck after the existing concrete masonry overlay is removed, prior to placing a new concrete masonry overlay.

B (Vacant)

C Construction

Blast-clean the entire surface of the deck, the vertical faces of curbs, sidewalks and parapets to the depth of the adjoining concrete overlay. Blast-clean all exposed existing reinforcing steel. Repair damage to existing epoxy-coated reinforcement remaining in place that is either uncovered by or damaged by the contractor's operations. Use engineer-approved patching or repair material compatible with the existing coating and inert in concrete.

Clean the surface on which the new concrete will be placed to remove all loose particles and dust by either brooming and water pressure using a high-pressure nozzle, or by water and air pressure. Use water for cleaning that conforms to specifications for water under standard spec 501.2.4.

D Measurement

The department will measure Cleaning Decks to Reapply Concrete Masonry Overlay 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
509.0505.S	Cleaning Decks to Reapply Concrete Masonry Overlay	SY

Payment for is full compensation for cleaning the concrete surfaces.

stp-509-065 (20210113)

**47. Removing Concrete Masonry Deck Overlay B-40-504, Item 509.9005.S.30;
Removing Concrete Masonry Deck Overlay B-40-505, Item 509.9005.S.31.**

A Description

This special provision describes removing concrete bridge deck overlays by milling the entire bridge deck as the plans show.

Conform to standard spec 204 as modified in this special provision.

B (Vacant)

C Construction

C.1 Milling

Use a self-propelled milling machine that is specially designed and constructed for milling bridge decks. It shall mill without tearing or gouging the concrete masonry underlying the existing overlay. The machine shall consist of a cutting drum with carbide or diamond tip teeth. 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.

Perform milling in a manner that precludes damage to the bridge floor and results in a uniform textured finish that:

1. Is free of sharp protrusions;
2. Removes a minimum of 1/4 inch of the original concrete deck or slab, or to a depth the plans show;
3. Has uniform transverse grooves that measure up to 1/4 inch vertically and transversely; and
4. If applicable, is acceptable to the manufacturer of the sheet waterproof membrane.

Windrowing and storing of the removed milled concrete masonry on the bridge is only permitted in connection with the continuous removal and pick-up operation. During nonworking hours, clear the bridge of all materials and equipment.

D Measurement

The department will measure Removing Concrete Masonry Deck Overlay B-40-504; Removing Concrete Masonry Deck Overlay B-40-505 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
509.9005.S.30	Removing Concrete Masonry Deck Overlay B-40-504	SY
509.9005.S.31	Removing Concrete Masonry Deck Overlay B-40-505	SY

Payment is full compensation for removing the concrete masonry; and for properly disposing of all materials.

stp-509-005 (20210113)

48. Cleaning Parapets, Item 509.9050.S.

A Description

This special provision describes cleaning the inside faces and top surface of the concrete parapet as the plans show and as the engineer directs.

B (Vacant)

C Construction

C.1 Blast Cleaning Operation

Blast clean the inside face and top surface of the concrete parapet according to SSPC SP-13 and ASTM D4259 for an abrasive blast cleaning to a surface roughness and finish as the engineer directs. Before abrasive blast cleaning operations are to begin for the entire bridge parapet, prepare a representative trial area on the parapet concrete surface, and have the method of blast cleaning approved by the engineer.

C.2 Water Cleaning Operation

After abrasive blast cleaning operations are completed, clean the prepared parapet surface with water according to ASTM D4258. Remove with this water cleaning all dust and loose material from the parapet inside face and top that is to be coated with pigmented surface sealer. Provide an adequate drying time of the parapet inside face and top surface of at least 24 hours before coating with the pigmented surface sealer. Remove all loose concrete, dirt, dust, or blast material that remains on the bridge deck, as the engineer directs.

D Measurement

The department will measure Cleaning Parapets in length by the linear foot of parapet, acceptably cleaned.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
509.9050.S	Cleaning Parapets	LF

Payment is full compensation for abrasive blast cleaning; for water cleaning; and for all additional clean up of the concrete surface and surrounding bridge deck area.

stp-509-050 (20151210)

49. Storm Sewer.

Supplement standard spec 204.5.1 with the following:

QMP sampling, testing and documentation if applicable is incidental to removing storm sewer bid item and no separate payment will be made.

Supplement standard spec 608.2 with the following:

Two weeks prior to start of storm sewer construction, provide a shoring design and installation sequence for each location where shoring is to be used. Have a professional engineer, currently registered in the State of Wisconsin and knowledgeable of the specific site conditions and requirements, verify the adequacy of the design. Submit one electronic copy in portable document format of each shoring design, signed and sealed by the same professional engineer verifying the design, to the engineer for incorporation into the permanent project record.

Supplement standard spec 608.3.1 with the following:

(1) Incorporate excavated material in the work to the extent practicable. Use materials with suitable engineering properties for embankment.

(2) Dispose of surplus or unsuitable material as specified in standard spec 205.3.12.

Supplement standard spec 608.3.3 with the following:

Place rubber gasket joints over the spigot end or tongue of the entering pipe for all round storm sewer pipes horizontal and elliptical pipes with a rise less than or equal to 40-inches. Clean the gasket and the ends of the pipe from sand and gravel. If the gasket provided is neither factory lubricated nor self-lubricating, lubricate the outside of the gasket and the inside of the bell or groove of the last pipe with an engineer - approved vegetable lubricant immediately before making the joint. Place the spigot or tongue of the pipe being laid with the gasket in place into the bell or groove end of the previously laid pipe. Set pipe carefully to line and grade, and push or jack home. The engineer may order the use of a jack or "come-along" if deemed necessary to ensure that the joints are completely tight.

For horizontal elliptical pipe rise greater than 40-inches use mastic joint compound. Where factory lubricated rubber gasket joints are not available, clean the ends of the pipe from sand and gravel. Place engineer-approved mastic joint sealer on both the spigot and bell ends of the pipe being laid. Apply additional mastic around each joint exterior and wrap each joint with Geotextile Fabric Type DF laid flat meeting requirements of standard spec 645. Wrap each joint so that the Geotextile Fabric overlaps each joint a distance of approximately $\frac{1}{2}$ of the pipe diameter.

Replace standard spec 608.5(2) with the following:

Payment for the Storm Sewer Pipe bid items is full compensation for providing all materials, including all special Y's, mitered sections, elbows and connections required; for all submittals; for excavating and wasting excess material, except rock excavation; for providing rubber gaskets; Lubrication of rubber gaskets; mastic joint sealer; for supporting utilities in storm sewer trench; for shoring design, providing a signed and sealed copy of the design; for installation, monitoring, and removal of shoring; for forming foundation; for laying pipe; for sealing joints and making connections to new or existing features, bedding material; for backfilling and granular backfill material; for QMP sampling, testing and documentation; for cleaning out; and absent the pertinent contract bid items, for restoring the work site.

50. Catch Basins, Manholes, and Inlets.

Provide Ductile Iron covers (lids) for Inlet Covers type V conforming to ASTM A536 Grade 80-55-06. If ductile iron frames are not available, provide cast iron frames conforming to AASHTO M105 Class 30.

Supplement standard spec 611.3.1 with the following:

Precast reinforced concrete sections shall be constructed in horizontal courses. The units shall be laid in mortar or sealed with preformed flexible joint sealant or mastic joint sealer. When mastic joint sealer is used, the material shall completely fill the joint after the units have been brought together.

Handling holes may utilize an integral preformed metal insert. If the handling hole is open to both the internal and external wall of the structure, plug the handling hole with either a precast concrete plug mortared in place or with a combination of brick, mortar and/or mastic. The plug shall not project beyond the inside surface after installation. When integral preformed metal lifting inserts are used, their sockets shall be filled with mastic or mortar.

Provide and install manhole steps meeting the requirements of Section 3.5.4 (g) of the Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition.

Inlet and outlet pipes shall extend through walls a sufficient distance to allow for connections on the outside and the collar concrete or mortar carefully placed around them to prevent leakage around their outlet surfaces. Unless otherwise shown, the inside ends shall be flush with the inside walls.

Provide and install either a pre-formed integral or poured-in place bench at the structure invert unless Plans identify a sump below the lowest pipe invert. The surface of the bench shall be free of loose material and smooth trowel finished to avoid surface projections impeding flow. Form the bench at the lowest pipe invert. Bench sides shall rise a minimum of half the diameter of the lowest pipe.

Use a mortar for final adjustment of manhole cover. Provide a butyl rubber gasket or butyl rubber rope for joints of precast reinforced concrete manhole sections. Butyl Rubber gasket joint used for manholes conforms to 8.41.6 of the Standard Specifications for Sewer and Water Construction in Wisconsin, latest Edition. Provide non-rocking covers for all drainage structures subject to traffic loading.

Submit shop drawings for all drainage structures. For structures where WisDOT standard detail drawings are not available, provide shop drawings prepared, verified and stamped by a professional engineer currently registered in the State of Wisconsin. Submit one electronic copy of shop drawings in portable document format for engineer's review two weeks before fabrication. Show clearly on shop drawings information for all pipe connections to the structure. The contractor is responsible for all errors of detailing and fabrication. The omission from the shop drawings of any pipe connection shall not relieve contractor of the responsibility of providing such materials, even though the shop drawings may have been reviewed and accepted by the engineer.

Fasten existing and proposed storm sewer structure covers subject to traffic loading according to Fastening Sewer Access Covers spec.

Supplement standard spec 611.3.2 with the following:

Conform to storm sewer concrete collar detail for storm sewer pipes to structure connections as the plans show.

Supplement standard spec 611.3.3 with the following:

Use monolithic concrete shimming as the plans show for final adjustment of drainage structures located within the freeway concrete pavement, concrete shoulders, concrete curb & gutter and concrete barrier wall. If the adjustment is less than 4-inches, the engineer may choose to direct the contractor to use grade rings for adjustments for storm sewer structures outside the freeway concrete pavement and at other non-freeway locations.

All associated masonry work, including but not limited to adjustment ring installation, false bottoms, pipe connections, and other structural appurtenances shall be tuckpointed and back plastered with mortar conforming to standard spec 518.2 upon completion and as directed by the engineer. When tuckpointing and back plastering work is performed and completed at temperatures below 32-degrees F, keep the mortar moist at a temperature above 32-degrees F and provide protection from the elements to prevent freezing for a period of not less than 48 hours.

All catch basins, manholes, inlets, and similar structures newly constructed, adjusted or reconstructed under the contract, shall be cleaned of any accumulation of silt, debris, or foreign matter of any kind, and shall be free from such accumulations at the time of final acceptance.

Supplement standard spec 611.3.7 with the following:

Construct height adjustments of 4-inches or more with concrete grade rings. Never use grade rings less than 2-inches thick. *HDPE or rubber rings are not permitted.*

Replace standard spec 611.5.2 (1) with the following:

Payment for Catch Basins, Manholes, and Inlets bid items is full compensation for providing all submittals; materials, including all masonry, for mortar adjustments and monolithic concrete shimming; adjusting rings; conduit and sewer connections, steps, and other fittings; for providing and installing butyl rubber joints; for furnishing backfill, backfilling; all excavating, disposing of surplus material, and for cleaning out and restoring the work site; except that the department will pay for covers, including frames, grates and lids separately.

Cost of non-rocking covers for all drainage structures subject to traffic loading is incidental to new cover on proposed structure or reconstructing/adjusting manholes or inlets on existing structure.

Fastening sewer access covers and removing performed joint sealant as the engineer directs are paid under separate bid items.

51. Cover Plates Temporary, Item 611.8120.S.

A Description

This special provision describes providing and removing steel plates to cover and support asphaltic pavement and traffic loading at manholes, inlets and similar structures during milling and paving operations.

B Materials

Provide a 0.25 inch minimum thickness steel plate that extends to the outside edge of the existing masonry.

C (Vacant)

D Measurement

The department will measure Cover Plates Temporary as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
611.8120.S	Cover Plates Temporary	EACH

Payment is full compensation for furnishing, installing, and removing the cover plates.

The steel plates shall become the property of the contractor when no longer needed in the contract work.
stp-611-006 (20151210)

52. Pipe Grates, Item 611.9800.S.

A Description

This special provision describes providing pipe grates on the ends of pipes.

B Materials

Furnish steel conforming to the requirements of standard spec 506.2.2.1. Furnish steel pipe conforming to the requirements of standard spec 506.2.3.6.

Furnish pipe grates galvanized according to ASTM A123.

Furnish angles and brackets galvanized according to ASTM A123.

Furnish required hardware galvanized according to ASTM A153.

C Construction

Repair pipes, rods, angles and brackets on which the galvanized coating has been damaged according to the requirements of AASHTO M36M.

D Measurement

The department will measure Pipe Grates in units of work where one unit is one grate, 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
611.9800.S	Pipe Grates	EACH

Payment is full compensation for furnishing and installing all materials; and for drilling and connecting grates to pipes.

stp-611-010 (20030820)

53. Salvaged Sand Barrels, Item 614.0935.

Add the following to standard spec 614.3.9:

- (5) Salvage each existing sand barrel to the Milwaukee County Department of Public Works. Deliver the sand barrels to the highway maintenance facility at 6270 North Hopkins Avenue. The contact for Milwaukee County is Kevin Peiffer, 414-257-6567. Contact Kevin Peiffer five (5) business days prior to removing the sand barrels.

Supplement standard spec 614.5.(12) with the following:

Payment for salvaged sand barrels is for each empty barrel and cover removed, including removing and disposing of the sand. Remove the sand with vacuum equipment to limit the damage to the barrels. Dispose of the sand off the project and at contractor expense. Barrels and covers that are damaged will not be paid and will be disposed of at contractor expense.

SER-614-002 (20170712)

54. Fence Safety, Item 616.0700.S.

A Description

This special provision describes providing plastic fence at locations the plans show.

B Materials

Furnish notched conventional metal "T" or "U" shaped fence posts.

Furnish fence fabric meeting the following requirements.

Color:	International orange (UV stabilized)
Roll Height:	4 feet
Mesh Opening:	1 inch min to 3 inch max
Resin/Construction:	High density polyethylene mesh
Tensile Yield:	Avg. 2000 lb per 4 ft. width (ASTM D638)
Ultimate Tensile Strength:	Avg. 3000 lb per 4 ft. width (ASTM D638)
Elongation at Break (%):	Greater than 100% (ASTM D638)
Chemical Resistance:	Inert to most chemicals and acids

C Construction

Drive posts into the ground 12 to 18 inches. Space posts at 7 feet.

Use a minimum of three-wire ties to secure the fence at each post. Weave tension wire through the top row of strands to provide a top stringer that prevents sagging.

Overlap two rolls at a post and secure with wire ties.

D Measurement

The department will measure Fence Safety by the linear foot along the base of the fence, center-to-center of posts, 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
616.0700.S	Fence Safety	LF

Payment is full compensation for furnishing and installing fence and posts; maintaining the fence and posts in satisfactory condition, and for removing and disposing of fence and posts at project completion.

stp-616-030 (20160607)

55. Topsoil.

Add the following to standard spec 625.2:

- (3) Furnish material that is relatively free from large roots, sticks, weeds, brush, stones, litter, and waste products.
- (4) Do not use surface soils from ditch bottoms, drained ponds, and eroded areas, or soils which are supporting growth of NR 40 listed plants and noxious weeds or other undesirable vegetation. Ensure that the material conforms to the following:

Topsoil Requirements	Minimum Range	Maximum Range
Organic Matter*	5%	20%
Clay	5%	30%
Silt	10%	70%
Sand & Gravel	10%	70%

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

Replace standard spec 625.2.2 (3) with the following:

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

56. Furnishing and Planting Plant Material – Village of Brown Deer

Conform to standard spec 632, and as herein after provided.

Replace standard spec 632.3.18.1 (1) with the following:

A plant establishment period shall follow the completion of planting and last until the contract completion date.

Remove standard spec 632.3.18.2 and 632.3.18.3.

Replace standard spec 632.3.19 with the following:

632.3.19 Landscape Planting Proving Period (Delayed Acceptance)

(1) The final inspection and acceptance date shall be prior to the contract completion date.

(2) Replace all plants that die or show evidence of dying during the plant establishment period at the earliest appropriate planting time after this condition becomes apparent. The engineer will allow replacements until the contract completion date.

(3) The department shall make no payment for landscaping planting surveillance and care.

57. Signs Type I and II.

Furnish and install mounting brackets for type II signs on overhead sign supports incidental to sign. For type II signs on sign bridges use aluminum vertical support beams noted above incidental to sign.

Supplement standard spec 637.2.4 with the following:

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

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

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

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

Replace standard spec 637.3.3.2(2) with the following:

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

Supplement standard spec 637.3.3.3(3) with the following:

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

Add the following to standard spec 641.2:

Submit shop drawings for sign bridges and overhead sign supports to SE Region Traffic Operations Engineer, Tom Heydel and Bureau of Structures Design.

SER-637-001 (20170621)

58. Traffic Control.

Supplement standard spec 643.3.1 with the following:

Provide the Milwaukee County Sheriff's Department, the Wisconsin State Patrol, Brown Deer Police Department, Mequon Police Department, River Hills Police Department and the engineer a current telephone number with which the contractor or his representative can be contacted during non-working hours in the event a safety hazard develops.

Do not park or store equipment, contractor's and personal vehicles or construction materials within the clear zone or on any roadway carrying traffic during working and non-working hours except at locations and periods of time approved by the engineer.

Do not permit construction or personnel equipment or vehicles to directly cross the live traffic lanes of STH 57 and STH 100. Yield to all through traffic at all locations. Equip all vehicles or equipment operating in the live traffic lanes with a hazard identification beam (flashing yellow signal light) that is visible from 360 degrees. Operate the flashing yellow beam only when merging or exiting live traffic lanes or when parked or operating on shoulders, except when parked behind barrier wall. Do not park personal vehicles within the access control limits of the freeway. Do not cross live traffic lanes of STH 57 and STH 100 with equipment or vehicles.

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

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

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

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

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

SER-643-001 (20170808)

59. Nighttime Work Lighting-Stationary.

A Description

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

B (Vacant)

C Construction

C.1 General

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

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

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

C.2 Portable Lighting

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

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

C.3 Light Level and Uniformity

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

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

C.4 Glare Control

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

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

1. Aim tower-mounted luminaires, either parallel or perpendicular to the roadway, so as to minimize light aimed toward approaching traffic.
2. Aim all luminaires such that the center of beam axis is no greater than 60 degrees above vertical (straight down).

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

C.5 Continuous Operation

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

D (Vacant)

E Payment

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

stp-643-010 (20100709)

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

A Description

This special provision describes closing a freeway/expressway traffic lane.

B (Vacant)

C Construction

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

D Measurement

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

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

E Payment

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

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

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

stp-643-030 (20170615)

61. General Requirements for Electrical Work.

Replace standard spec 651.3.3 (3) with the following:

- (3) Request a signal inspection of the completed signal installation to the engineer at least five working days prior to the time of the requested inspection. Notify the department's Electrical Field Unit at (414) 266-1170 to coordinate the inspection. The department's Region Electrical personnel will perform the inspection. In the event of deficiencies, request a re-inspection when the work is corrected. The engineer will not authorize turn-on until the contractor corrects all deficiencies.

62. Electrical Conduit.

Replace standard spec 652.5 (2) with the following:

- (2) Payment for Conduit Rigid Metallic, Conduit Rigid Nonmetallic, Conduit Reinforced Thermosetting Resin, and Conduit Special bid items is full compensation for providing the conduit, conduit bodies, and fittings; for providing all conduit hangers, clips, attachments, and fittings used to support conduit on structures; for pull wires or ropes; for expansion fittings and caps; for making necessary connections into existing pull boxes; for excavating, bedding, and backfilling, including any sand, concrete, or other required materials; for disposing of surplus materials; and for making inspections.

Replace standard spec 652.5 (5) with the following:

- (5) Payment for Conduit Loop Detector is full compensation for providing all materials, including conduit, compacted backfill, surface sealer if required, pull wire if required, condulets, conduit fittings, and for making necessary connections into existing pull boxes.

63. Electrical Service Meter Breaker Pedestal STH 100 & N Deerbrook Trl, Item 656.0200.61; Electrical Service Meter Breaker Pedestal STH 57 & STH 100, Item 656.0200.62; Electrical Service Meter Breaker Pedestal STH 57 & N Deerwood Dr, Item 656.0200.63; Electrical Service Meter Breaker Pedestal STH 57 & W Schroeder Dr, Item 656.0200.64; Electrical Service Meter Breaker Pedestal STH 57 & Donges Bay Rd, Item 656.0200.65.

Append standard spec 656.2.3 with the following:

- (2) The department will be responsible for the electrical service installation request for any department maintained facility. Notify the maintaining authority if the signal is not state maintained that it is their responsibility to arrange for the electrical service installation.
- (3) Electrical utility company service installation and energy cost will be billed to and paid for by the maintaining authority.

- (4) Install the cabinet base and meter breaker pedestal first, so the electrical utility company can install the service lateral. Install a 3" conduit from the point of service from the utility to the meter breaker pedestal. Finish grade the service trench, replace topsoil that is lost or contaminated with other materials, fertilize, seed, and mulch all areas that are disturbed by the electrical utility company.

Append standard spec 656.5 with the following:

- (8) Payment is full compensation for grading the service trench; replacing topsoil; and for fertilizing, seeding, and mulching to restore the disturbed area of the service trench.

64. Signal Mounting Hardware.

Append standard spec 658.2 with the following:

- (8) All traffic signal mounting hardware shall have a factory installed black finish for the following intersections: STH 100 & N Deerbrook Trl, STH 57 & STH 100, STH 100 & N Kildeer Ct, STH 57 & N Deerwood Dr, STH 57 & W Schroeder Dr.

65. Signal Housings.

Replace standard spec 658.2(4) with the following:

- (4) For pedestrian signal faces: furnish polycarbonate resin housings, doors, and visors. Use yellow, Federal Standard 595 - FS13538, housings and dull black door faces and visors. For 16-inch heads, mount a z-crate visor and gasket to the door with stainless steel tabs. Drill the housing for top and bottom pipe mounting with the ability to rotate 270 degrees on the poly mounting brackets.

66. Pedestrian Push Buttons.

Replace standard spec 658.2(5) with the following:

- (5) For pedestrian push buttons: furnish freeze-proof ADA compliant pedestrian push buttons made by a department-approved manufacturer. The contractor shall place a Size 1, Type H reflective (R10-3EL, R, D) sign sticker (per state sign plate), message series – B directly above each push button. Include a directional arrow or arrows on the sign as the plans show.

67. Traffic Signal Faces & Pedestrian Signal Face 16-Inch.

Append standard spec 658.3(5) with the following:

- (5) Connect all ungrounded conductors with wire nuts in the appropriate sections of the signal heads. Be certain to twist wires prior to installing the wire nuts. All wire nuts must be installed facing up to prevent the entrance of water.

68. Temporary Traffic Signal for Intersections STH 57 SB Ramps & STH 100, Item 661.0200.61; Temporary Traffic Signal for Intersections STH 57 & STH 100, Item 661.0200.62; Temporary Traffic Signal for Intersections STH 57 & N Deerwood Dr, Item 661.0200.63; Temporary Traffic Signal for Intersections STH 57 & W Schroeder Dr, Item 661.0200.64.

Replace standard spec 661.2.1(1) with the following:

- (1) Furnish control cabinet and control equipment. The department will supply, maintain, and install a signal controller, cellular modem, and ethernet switch to establish remote communication to the signal controller. The cabinet must be equipped with a 6-circuit Isotel independent of the GFI receptacles. Provide a cabinet with a Corbin #2 door lock and an access door that allows placing the controller in emergency flash. Provide keys to the access door to the engineer and law enforcement agencies as required. Also provide a manual control accessible by the police. Test traffic signal control cabinets

before installation. The department will provide the signal controller with the initial traffic signal timing, and the department will be responsible for all subsequent signal timing changes.

Replace standard spec 661.2.1(3) with the following:

- (3) Use existing underground electric service and meter breaker pedestal for the operation of the Temporary Traffic Signal at the intersections of STH 57 & Deerwood Drive and STH 57 & Schroeder Drive. The department has initiated the installation of the temporary electrical service with the electrical utility as it pertains to the service application and site sketch at the intersections of STH 57 SB Ramps & STH 100 and STH 57 & STH 100 to expedite the process. Contact Parwinder Virk at (262) 548-6717 to coordinate the temporary electrical service. The department will pay for all installation and Energy Costs associated with the operation of the Temporary Traffic Signals. It is the contractor's responsibility to contact the electrical utility as it pertains to the affidavit and site ready card to arrange timely installation of the temporary service. If the control cabinet is not mounted on the electrical service pole, add a second electrical service disconnect to the outside of the control cabinet for the convenience of emergency personnel.

Furnish and install a generator to operate the temporary traffic signals for the times required to switch the existing permanent traffic signal over to the temporary traffic signal and for the time required to switch the temporary traffic signal back over to the permanent traffic signal.

Contact the local electrical utility at least four days prior to making the switch from the Temporary Traffic Signal to the new Permanent Traffic Signal.

Append standard spec 661.2.1(6) with the following:

- (6) Control equipment or controller equipment is defined as anything inside the control cabinet excluding the department furnished signal controller, cellular modem, and ethernet switch.

Replace standard spec 661.3.1(2) with the following:

- (2) Request a signal inspection of the completed temporary traffic signal installation to the engineer at least five working days prior to the time of the requested inspection. Notify the SE Region Electrical Field Unit at (414) 266-1170 to coordinate the inspection. The SE Region electrical personnel will perform the inspection.

Append standard spec 661.3.1.4(4) with the following:

- (4) Arrange for every other week inspections with the engineer to check the height of the span wire above the roadways to ensure that the bottom of the traffic signal heads remain within the minimum and maximum heights allowed above the roadway. Make all height adjustments within 1-hour of an inspection indicating that adjustments are required. Notify the engineer in writing upon completion of all necessary adjustments. Maintain a written log to properly document the date of each every other week inspection, the heights above the roadway, the roadway clearance after adjustments have been made, and acceptance by the engineer. Provide all documentation related to the every other week span wire height checks as well as all records related to maintenance performed on the temporary traffic signal installations to the engineer.

Replace standard spec 661.3.2.6(2) with the following:

- (2) Upon acceptance of new signal and completion of work, the department will switch control of the intersection over to the permanent cabinet installation. Remove signal cable and wires, wood poles, wood posts, control cabinet, control equipment, and incidental materials. Upon deactivation of the controller, call the electrical utility immediately for the temporary electrical service disconnect. The department shall remove the signal controller, cellular modem, and ethernet switch.

Replace standard spec 661.3.2.7(2) with the following:

- (2) Respond within one hour of notification to provide corrective action to any emergency such as but not limited to knockdowns, signal cable problems, and controller equipment failures. If equipment becomes damaged or faulty beyond repair, replace it within one working day. In order to fulfill this requirement, maintain, in stock, sufficient materials and equipment to provide repairs. Replace the traffic signal control equipment including the cabinet and cabinet accessories within 4 hours. If the outcome of the response identifies damage to the department furnished signal controller, notify the Traffic Management Center at (800) 375-7302 who will then dispatch the SE Region Electrical Field Unit.

Replace standard spec 661.5(2) with the following:

- (2) Payment for the Temporary Traffic Signals for Intersections bid item is full compensation for providing, maintaining, and repairing the complete temporary installation, and for removal. Payment also includes the following:
 1. Furnishing and installing replacement equipment.
 2. The cost of delivery and pick-up of the cabinet assemblies.

Payment is full compensation for drilling holes; furnishing and installing all materials, including bricks, and coarse aggregate; for excavation, bedding, and backfilling, including any sand or other required materials; furnishing and placing topsoil, fertilizer, seed, and mulch in disturbed areas; for properly disposing of surplus materials; for making inspections; for cleaning up and properly disposing of waste; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

69. Cameras.

Replace standard spec 677.3(8) with the following:

- (8) For permanent camera installations, provide camera cables in conduit and poles as the plans show. For temporary traffic signal camera installations, provide camera cables on the temporary traffic signal span wire as the plans show. Provide continuous cable runs without splices between the camera assembly and the camera controller assembly.

70. Communication Systems.

Replace standard spec 678.2.1(1) with the following:

- (1) The department will furnish fiber optic cable, Ethernet switches, SFP's and cellular modems.
Pick up the department furnished materials at the department's Electrical Shop located at 935 South 60th Street, West Allis. Notify the department's Electrical Field Unit at (414) 266-1170 and make arrangements for picking up the department furnished materials three working days prior to picking up the materials.

Replace standard spec 678.5(6) with the following:

- (6) Payment for Install Ethernet Switches and Install Wireless Antennas is full compensation for transporting and installing the devices; for cables and connectors; and connecting the devices.

Replace standard spec 678.5(7) with the following:

- (7) Payment for Install Cellular Modems is full compensation for transporting and installing the modem; for cables and connectors including rack mountable shelf; for connecting the devices; for programming and configuration; and for testing.

71. Optimized Aggregate Gradation Incentive, Item 715.0710.

Description

This special provision describes optional contractor optimized aggregate gradation, optional optimized mixture designs, and associated additional requirements for class 1 concrete used in concrete pavements. Conform to standard specification part 7 and as follows:

Optimized Aggregate Gradation

Replace standard spec 715.2.2 with the following:

A Job Mix Formula (JMF) contains all of the following:

- Proportions for each aggregate fraction conforming to table 1.
- Individual gradations for each aggregate fraction.
- Composite gradation of the combined aggregates including working ranges on each sieve according to table 2.

Submit the target JMF and aggregate production gradation test results to the engineer for review 10 business days before initial concrete placement.

TABLE 1 TARANTULA CURVE GRADATION BAND

SIEVE SIZES	PERCENT RETAINED
2 in.	0
1 1/2 in.	≤ 5
1 in.	≤ 16
3/4 in.	≤ 20
1/2 in.	4-20
3/8 in.	4-20
No. 4	4-20
No. 8 ^[1]	≤ 12
No. 16 ^[1]	≤ 12
No. 30 ^{[1] [2]}	4-20
No. 50 ^[2]	4-20
No. 100 ^[2]	≤ 10
No. 200 ^[2]	≤ 5.0

^[1] Minimum of 15% retained on the sum of the #8, #16, and #30 sieves.

^[2] Conform to 24-34% retained of fine sand on the #30-200 sieves.

TABLE 2 JMF WORKING RANGE

SIEVE SIZES	WORKING RANGE ^[1] (PERCENT)
2 in.	+/- 5
1 1/2 in.	+/- 5
1 in.	+/- 5
3/4 in.	+/- 5
1/2 in.	+/- 5
3/8 in.	+/- 5
No. 4	+/- 5
No. 8	+/- 4
No. 16	+/- 4
No. 30	+/- 4
No. 50	+/- 3
No. 100	+/- 2
No. 200	+/- 2

^[1] Working range limits of composite gradation based on moving average of 4 tests.

Replace standard spec 710.5.6 with the following:

Determine the complete gradation, including P200, using a washed analysis for both fine and coarse aggregates. Test each stockpile for each component aggregate once per 1,500 cubic yards during concrete production.

Take samples by one of the following sampling methods:

1. At the belt leading to the weigh hopper.
2. Working face of the stock piles at the concrete plant if approved by the engineer.

The department will take independent QV samples using the same sampling method the contractor uses for QC sampling. QV samples may be taken by the contractor's QC personnel if witnessed by the department's QV personnel. The department will split each QV sample and retain half for all dispute resolutions. If QV test results conform to the specification, the department will take no further action. If QV test results are nonconforming, add the QV to the QC test results as if it were an additional QC test.

If, during concrete production, the moving average of four for any sieve fall outside the allowable JMF working range do the following:

1. Notify the engineer of the test results within 1 business day from the time of sampling.
2. Make immediate adjustments to the JMF, within the limits specified in Table 3;
3. Review JMF adjustments with the engineer. Both the contractor and engineer will sign the adjusted JMF if the adjustments comply with Table 3.
4. If the moving average of four falls outside the adjusted allowable working range, stop production and provide a new mix design including JMF to the engineer.

TABLE 3 ALLOWABLE JMF ADJUSTMENTS

SIEVE SIZES	ALLOWABLE ADJUSTMENT (PERCENT)
$\geq$ No. 4	+/- 5
No. 8 – No. 30	+/- 4
No. 50	+/- 3
No. 100	+/- 2

Dispute Resolution

The department will resolve disputes as specified in standard spec 106.3.4.3.5 using QV split samples.

Sublot and Lot Size

A sublot consists of up to 1,500 cubic yards. A lot consists of two sublots.

Optimized Concrete Mixtures

The contractor may use a reduced cementitious content for concrete pavement placed if the contractor does the following:

1. Use an optimized aggregate gradation as defined in this special provision.
2. Conform to the additional testing requirements for flexural strength as specified in the contract special provisions.
3. Submit aggregate gradation result records no more than 2 years old when developing the mix design.
4. Determine the volume of voids in the optimized aggregates using ASTM C29.
5. Download and follow the instructions tab of the Optimized Gradation and Mix Design Spreadsheet located at:
<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/qmp/default.aspx>
6. Design an appropriate paste content based upon the Performance-based PCC Mix Design Guide located at:
<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/qmp/default.aspx>
7. Provide a minimum V_{paste}/V_{voids} of 1.25. (Paste/Void ratio equals the volume of paste divided by the volume of voids.).
8. Evaluate workability of trial batches by following section 6.8 of AASHTO Draft Performance Engineered Concrete Pavement Mixtures Specifications located at:
<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/qmp/default.aspx>
9. Submit trial batch workability results when submitting the mix design.
10. Submit the CP Tech center computer spreadsheet concrete mix design to the engineer for review at least 3 business days before producing concrete.
11. Provide a minimum cement content of 520 pounds per cubic yard, except if using type I, II, or III cement in a mix where the geologic composition of the coarse aggregate is primarily igneous or metamorphic materials, provide a minimum cement content of 660 pounds per cubic yard.

12. The contractor may use class C fly ash or grade 100 or 120 slag as a partial replacement for cement. For binary mixes use up to 30% fly ash or slag. For ternary mixes use up to 30% fly ash plus slag in combination. Replacement values are in percent by weight of the total cementitious material in the mix.
13. See CMM 8-70.2.2.3 for additional guidance.

Measurement

The department will measure Optimized Aggregate Gradation Incentive by the dollar, for each combined averaged lot of QC test results meeting Table 1.

Payment

The department will pay incentive of 3 percent of the contract unit price for concrete pavement under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
715.0710	Optimized Aggregate Gradation Incentive	DOL
stp-715-005 (20200629)		

72. Flexural Strength for Concrete Mix Design.

This special provision describes optional testing requirements for flexural strength during the mix design process. Conform to standard spec part 7 as modified in this special provision.

Add the following to standard spec table 701-2:

TEST	TEST STANDARD
Flexural Strength of Concrete	AASHTO T97

Replace standard spec 715.2.3.1(1) with the following:

- (1) Provide both compressive and flexural strength information to demonstrate the strength of the proposed mix design. Use either laboratory strength data for new mixes or field strength data for established mixes as follows:
 1. Use at least 5 pairs of cylinders for compressive strength. Demonstrate that the 28-day compressive strength will equal or exceed the 85 percent within limits criterion specified in standard spec 715.5.2.
 2. Use at least 5 pairs of beams for flexural strength. Demonstrate that the 28-day flexural strength will equal or exceed 650 psi.

stp-715-010 (20170615)

73. Installing and Maintaining Bird Deterrent System B-40-504, Item 999.2000.S.01; Installing and Maintaining Bird Deterrent System B-40-505, Item 999.2000.S.02.

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.

B Materials

B.1 Hardware and Lumber

Pressure treated lumber shall conform to the requirements of standard spec 507.

Hardware and fastening devices shall be either galvanized or stainless steel. Fastening device and 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 netting with minimum 40-pound breaking strength per strand, or engineer proved equal.
- b. Galvanized wire mesh (hardware cloth) with a wire diameter of .040 inches (19-gauge) and opening width of 1/2-inch.

Furnish 1" x 2" pressure treated lumber 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 three-foot wide lengths of 6mm minimum plastic sheeting with the lower 2 feet cut into vertical strips 2 inches wide.

Furnish 1" x 2" treated wood and galvanized 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 such 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 Kristina Betzold, at (414) 263-8517, or the department regional environmental coordinator Thomas Curran, at (262) 548-5682.

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. However, nest removal is not required if deterrents are installed before the start of the avoidance window.

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

C.3 Exclusion Netting

C.3.1 Installation

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

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

C.4 Plastic Curtains

C.4.1 Installation

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

C.5 Corner Slopes

C.5.1 Installation

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

C.6 Inspection and Maintenance

Inspect bird deterrent devices every 2 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 as a single unit at each structure, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
999.2000.S.01	Installing and Maintaining Bird Deterrent System B-40-504	EACH
999.2000.S.02	Installing and Maintaining Bird Deterrent System B-40-505	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 (20210113)

74. Backfill Slurry, Item SPV.0035.01.

A Description

This special provision describes furnishing and placing Backfill Slurry. Conform to standard spec 209 except as follows.

B Materials

Replace standard spec 209.2.2 with the following:

- (1) Use aggregates that conform to the gradation conforming to standard spec 501.2.5.3 for fine aggregate and for Size No. 1 in standard spec 501.2.5.4. Provide aggregates in the same proportion by weight as for Grade A concrete as in standard spec 501.3.2.2. Weigh aggregates at a batch plant suitable for batching concrete masonry. Mix and deliver to the project site using a truck mixer. Add enough water meeting the requirements of standard spec 501.2.4 to enable the mixture to flow readily.

C Construction

Replace standard spec 209.3 with the following:

Discharge from the truck in a manner to prevent segregation. Completely fill excavation in a single operation. Consolidation or compaction effort will not be required. Twelve hours shall elapse before paving over the backfill.

D Measurement

Replace standard spec 209.4 with the following:

The department will measure Backfill Slurry in volume by the cubic yard of material placed acceptably completed. Such volume shall be computed from actual measurements of the dimensions of the area to be backfilled. In irregular or inaccessible areas, the engineer may allow volume to be determined by other appropriate methods.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.01	Backfill Slurry	CY

Payment is full compensation conforming to standard spec 209.5.(2) and 209.5.(5).

SER-209-001 (20161208)

75. Shredded Hardwood Bark Mulch, Item SPV.0035.40.

A Description

This special provision describes furnishing and installing Shredded Hardwood Bark Mulch as shown on the plans, and as hereinafter provided. Minimum mulch thickness to be 3-inches.

B Materials

Shredded Hardwood Bark Mulch shall be natural, shredded hardwood bark mulch, free of growth or germination inhibiting ingredients, and shall be no larger than 4-inches in any dimension, and suitable for top dressing of planting beds. No artificial coloration shall be added.

Samples: Submit sample demonstrating color, size and properties to engineer, for approval prior to construction.

C Construction

The installation of the Shredded Hardwood Bark Mulch shall be according to the plans and details. Keep mulch minimum 2-inches away from all tree trunks, woody stems and herbaceous shoots.

D Measurement

The department will measure Shredded Hardwood Bark Mulch by cubic yard of material, furnished and placed in an acceptable manner.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.40	Shredded Hardwood Bark Mulch	CY

Payment is full compensation for furnishing and installing Shredded Hardwood Bark Mulch.

**76. Manhole 9-FT Special, Item SPV.0060.01;
Manhole 10-FT Special, Item SPV.0060.02.**

A Description

This work shall consist of design and construction of either a cast-in-place or precast storm sewer structure made of concrete with necessary reinforcement, metal frames, grates and lids, including required excavating and backfilling.

B Materials

Conform to standard spec 611.2.

C Construction

Conform to standard spec 611.3.

D Measurement

The department will measure Manhole 9-FT Special and Manhole 10-FT Special by each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Manhole 9-FT Special	EACH
SPV.0060.02	Manhole 10-FT Special	EACH

Payment is full compensation for structure design; providing all materials, including all masonry, for Grade "A" concrete adjustments and monolithic concrete shimming; conduit and sewer connections, steps and other fittings; for furnishing all excavating and backfill; disposing of surplus material; and for cleaning out and restoring the work site. The department will pay for covers, including frames, grates, and lids separately.

The department will apply contract unit prices without adjustments to the quantities of manholes constructed to depths not greater than one foot above or below the elevations shown on the plans. Manholes that the engineer orders constructed to a depth greater than one foot above or below elevations shown on the plans will be specified for extra work and paid for according to standard spec 109.4.

77. Pipe Connection to Existing Structure, Item SPV.0060.03.

A Description

This special provision describes connecting new storm sewer pipe to existing structure.

B Materials

Conform to standard spec 608.2 and standard spec 611.2

C Construction

Conform to standard spec 607.3 and standard spec 611.3

D Measurement

The department will measure Pipe Connection to Existing Structure by each pipe connected, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.03	Pipe Connection to Existing Structure	EACH

Payment is full compensation for performing all work; excavation, backfilling, furnishing, masonry and fittings; disposing of surplus material, coring holes in existing structure to connect new pipe; and installing all materials, couplings, concrete collars, and pipe.

78. Field Facilities Office Space, Item SPV.0060.05.

A Description

This special provision describes furnishing, equipping, and maintaining a field office as required in the contract at engineer-approved locations conforming to standard spec 642 and as follows.

B Materials

Provide Field Facilities Office Space conforming to standard spec 642.2.1 except delete paragraphs (1), (7), and (9).

Replace standard spec 642.2.1(4) with the following:

Provide and maintain suitable interior sanitary facilities conforming to State and local health requirements, in clean and good working condition, and stock with sanitary supplies for the duration of the contract. Furnish office space in an existing office building or existing building converted to office space with a minimum of 1200 square feet. The facility shall have no fee parking with a minimum parking for 15 cars. The space shall include a meeting room with a minimum of 350 square feet. The exterior door(s) shall have locks in good working order and keys provided for all field staff. The office space shall be located within 2 miles of the construction project.

Equip the office as specified in standard spec 642.2.2.1 except delete paragraph (1) and (4) and add the following:

1. Five suitable office desks with drawers and locks.
2. Five ergonomically correct office chairs in working condition with at a minimum: 5-legged base with casters, seat adjustable from 15 to 22 inches from the floor with a seamless waterfall, rounded, front edge, and high backrest with no arms or adjustable arms.
3. Four 6-foot folding tables.
4. One 10-foot folding table.
5. Five 2-drawer file cabinets.
6. Three 4-shelf bookcases.
7. Twenty folding chairs.

Provide for the professional cleaning of the field office during regular business hours twice monthly. Provide clearly marked recycling and waste receptacles within the field office, and separate recycling and waste dumpsters near the field office. Cover outdoor containers to keep out rain, snow, and wind-driven debris. Provide regularly scheduled recycling and waste pick-up.

C Construction

Conform to standard spec 642.3 except delete paragraph (2).

D Measurement

The department will measure the Field Facilities Office Space as each office, 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.0060.05	Field Facilities Office Space	EACH

Payment is full compensation for providing, equipping, securing, and maintaining the facility; for parking, for telecommunications equipment, installation, and service fees; and for providing bottled water, utilities, fuel, ventilation, and toilet facilities as required, either independently or jointly with the field laboratory, for the time specified in standard spec 642.3.

The department will pay for the cost of telecommunications usage fees incurred by department staff.

SER-642-002 (20160808)

79. Curb Ramp Grading, Shaping and Finishing, Item SPV.0060.06.

A Description

This special provision describes excavating, grading, filling, shaping, compacting, and finishing as necessary to construct each curb ramp location conforming to standard spec 205, 208, 211, 305, 625, 627, 629, and 630, as the plans show, and as follows.

B Materials

Furnish materials as the plans show and engineer directs conforming the standard specs for the following:

Common excavation	205.2
Borrow	208.2
Base Aggregate Dense	305.2
Topsoil or Salvaged Topsoil	625.2
Mulching	627.2
Fertilizer	629.2
Seeding	630.2

C Construction

Construct the final subgrade and base for the curb ramp at the locations on the plans and as the engineer directs. Restore disturbed areas with topsoil or salvaged topsoil, fertilizer, seed, and mulch.

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

D Measurement

The department will measure Curb Ramp Grading, Shaping, and Finishing as each individual plan location, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.06	Curb Ramp Grading, Shaping, and Finishing	EACH

Payment is full compensation for all excavating, grading, placing borrow, base aggregate, shaping, and compacting, and for providing and placing topsoil or salvaged topsoil, fertilizer, seed, and mulch at each curb ramp location.

Sidewalk removal, construction staking, curb ramp detectable warning field, and concrete sidewalk will be paid under respective contract bid items.

SER-602-001 (20170629)

**80. Sanitary Sewer Reinforced Concrete Collar 12-Inch, Item SPV.0060.10;
Sanitary Sewer Reinforced Concrete Collar 21-Inch, Item SPV.0060.11.**

A Description

This special provision describes providing a reinforced concrete collar for the connection of sanitary sewer pipe to a sanitary sewer manhole.

B Materials

Furnish concrete conforming to standard spec 520.2.4.

Furnish steel reinforcement conforming to standard spec 505.

C Construction

The concrete collar shall be a minimum of 12 inches thick from the outside edge of the sewer and a minimum of 24 inches long. The collar shall overlap the sewer pipe a minimum of 12 inches.

D Measurement

The department will measure Sanitary Sewer Reinforced Concrete Collar 12-Inch and Sanitary Sewer Reinforced Concrete Collar 21-Inch by each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.10	Sanitary Sewer Reinforced Concrete Collar 12-Inch	EACH
SPV.0060.11	Sanitary Sewer Reinforced Concrete Collar 21-Inch	EACH

Payment is full compensation for excavation, coring of existing manhole, furnishing, hauling and placement of all materials, installation of pipe to concrete collar, and backfilling.

81. Reconstructing Village of Brown Deer Sanitary Manholes, Item SPV.0060.12.

A Description

This work includes reconstructing sanitary manholes to an elevation as determined by the engineer as well as installing frame and cover, external frame/chimney seal, according to the Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition and amendments (SSSW).

B Materials

B.1 Adjusting Rings

Adjustment rings shall be concrete with steel reinforcement in conformance with ASTM C-478. Precast concrete rings shall have an inside diameter to match the manhole opening, be not less than 2 inches nor more than 6 inches high and have a wall thickness of 6 inches unless otherwise specified. The rings shall contain a minimum of one No. 2 reinforcing rod centered within the ring. Do not use any cracked or broken rings. The top of precast manhole cones shall be set a maximum of 18 inches lower than established grade in unimproved areas, with the top of the manhole cover being ringed up flush with the existing ground. The minimum number of adjusting rings shall be one 2-inch ring. The maximum height of adjusting rings shall be 8 inches in paved areas. All joints between the adjusting rings shall be filled with grout or mortar, including between the cone and the adjusting ring and the adjusting ring and the frame. Rings shall be grooved to receive a step.

B.2 Manhole

Precast manholes and cones shall conform to ASTM Specifications, C478, latest revision.

B.3 Manhole Seal

External chimney seals shall be external, flexible rubber sleeve and stainless-steel compression bands designed to prevent leakage of water into manhole in adjusting ring area between manhole frame and top of cone or flat top. Seal shall remain flexible, allowing repeated vertical movements of frame due to frost lift, ground movement, or other causes of up to 2 in. and/or repeated horizontal movements of frame due to thermal movement of pavement or other causes of up to 1/2 in. for a 20-year design life. Provide Adaptor, Inc. "I/E.A. Seal", Cretex Specialty Products "External Manhole Chimney Seal", or approved equal. Install chimney seals on all sanitary manholes according to manufacturer's instructions.

C Construction

C.1 General

The location of existing sanitary manholes to be adjusted is indicated on the plans. Adjust these items as shown in the plans. Reconstruct manholes as necessary so that the frames and cover when placed will be at the established required grade; remove the existing frame and cover. Any temporary adjustment (wood) shims shall be removed and backfilled with grout or mortar prior to installing the seal. Install seals according to the manufacturer's recommended installation procedures. Furnish and backfill according to plans in the manhole excavation area to existing surface or to appropriate depth for pavement restoration. Salvage the existing frame and cover.

C.2 Surface Preparation

Remove manhole cover and power wire brush the lower 3 inches of the manhole frame to remove any loose rust or scale and repair any imperfections by either grinding smooth or filling with mortar. A smooth, clean sealing surface is required. Realign the casting if it is offset more than approximately 2 inches from the chimney. Remove all loose and protruding mortar and brick from the upper 7-Inch chimney and clean surface by power wire brushing. Provide a 4-inch wide sealing surface starting 2 inches down from the bottom of the frame.

All sealing surfaces must be circular, reasonably smooth, clean and free of any loose material or excessive voids. If such a surface does not exist for the bottom of the sleeve to seal against, use one-component, quick-set, high strength, non-shrink, polymer modified patching mortar which has been formulated for vertical or overhead use. If the bottom of the sleeve is to seal against the top of an eccentric (straight side) cone and an inadequately high vertical surface does not exist, contact the manufacturer to obtain details to build the required vertical surface.

Use caulk to fill minor irregularities in the bottom sealing surface. The caulk shall be a butyl rubber caulk conforming to AASHTO M 198, Type B. Apply a single bead of the caulk to the center portion of the lower sealing surface of the sleeve.

Any flaws in the manhole frame, such as minor cracks, pits or protrusions, shall be repaired by either filling with mortar or grinding smooth.

D Measurement

The department will measure Reconstructing Village of Brown Deer Sanitary Manholes as a unit per each adjustment location, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.12	Reconstructing Village of Brown Deer Sanitary Manholes	EACH

Payment is full compensation for furnishing and installing all materials including adjusting rings, masonry, and external frame/chimney seals; for excavating, backfilling, and compacting; for disposing of surplus materials; for removing pavement; and for cleaning out and restoring the structure.

The department will pay separately for sawing concrete, cover plates temporary, asphaltic surface temporary, concrete base and drilled tie bars.

82. Adjusting Village of Brown Deer Sanitary Manhole Covers, Item SPV.0060.13.

A Description

This work includes adjusting sanitary manholes to an elevation as determined by the engineer as well as installing frame and cover, external frame/chimney seal, according to the Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition and amendments (SSSW).

Add or remove masonry adjusting rings as needed. This item applies to structures to be lowered less than 6 inches or raised less than 12 inches.

B Materials

B.1 Adjusting Rings

Adjustment rings shall be concrete with steel reinforcement in conformance with ASTM C-478. Precast concrete rings shall have an inside diameter to match the manhole opening, be not less than 2 inches nor more than 6 inches high and have a wall thickness of 6 inches unless otherwise specified. The rings shall contain a minimum of one No. 2 reinforcing rod centered within the ring. Do not use any cracked or broken rings. The top of precast manhole cones shall be set a maximum of 18 inches lower than established grade in unimproved areas, with the top of the manhole cover being ringed up flush with the existing ground. The minimum number of adjusting rings shall be one 2-inch ring. The maximum height of adjusting rings shall be 8 inches in paved areas. All joints between the adjusting rings shall be filled with grout or mortar, including between the cone and the adjusting ring and the adjusting ring and the frame. Rings shall be grooved to receive a step.

B.2 Manhole

Clean and prepare existing manhole for adjustment rings and reinstallation of existing casting frame and cover.

B.3 Manhole Seal

External chimney seals shall be external, flexible rubber sleeve and stainless-steel compression bands designed to prevent leakage of water into manhole in adjusting ring area between manhole frame and top of cone or flat top. Seal shall remain flexible, allowing repeated vertical movements of frame due to frost lift, ground movement, or other causes of up to 2 in. and/or repeated horizontal movements of frame due

to thermal movement of pavement or other causes of up to 1/2 in. for a 20-year design life. Provide Adaptor, Inc. "I/E.A. Seal", Cretex Specialty Products "External Manhole Chimney Seal", or approved equal. Install chimney seals on all sanitary manholes according to manufacturer's instructions.

C Construction

C.1 General

The location of existing sanitary manholes to be adjusted is indicated on the plans. Adjust these items as shown in the plans. Reconstruct manholes as necessary so that the frames and cover when placed will be at the established required grade; remove the existing frame and cover. Any temporary adjustment (wood) shims shall be removed and backfilled with grout or mortar prior to installing the seal. Install seals according to the manufacturer's recommended installation procedures. Furnish and backfill according to plans in the manhole excavation area to existing surface or to appropriate depth for pavement restoration. Salvage the existing frame and cover.

C.2 Surface Preparation

Remove manhole cover and power wire brush the lower 3 inches of the manhole frame to remove any loose rust or scale and repair any imperfections by either grinding smooth or filling with mortar. A smooth, clean sealing surface is required. Realign the casting if it is offset more than approximately 2 inches from the chimney. Remove all loose and protruding mortar and brick from the upper 7-Inch chimney and clean surface by power wire brushing. Provide a 4-inch wide sealing surface starting 2 inches down from the bottom of the frame.

All sealing surfaces must be circular, reasonably smooth, clean and free of any loose material or excessive voids. If such a surface does not exist for the bottom of the sleeve to seal against, use one-component, quick-set, high strength, non-shrink, polymer modified patching mortar which has been formulated for vertical or overhead use. If the bottom of the sleeve is to seal against the top of an eccentric (straight side) cone and an inadequately high vertical surface does not exist, contact the manufacturer to obtain details to build the required vertical surface.

Use caulk to fill minor irregularities in the bottom sealing surface. The caulk shall be a butyl rubber caulk conforming to AASHTO M 198, Type B. Apply a single bead of the caulk to the center portion of the lower sealing surface of the sleeve.

Any flaws in the manhole frame, such as minor cracks, pits or protrusions, shall be repaired by either filling with mortar or grinding smooth.

D Measurement

The department will measure Adjusting Village of Brown Deer Sanitary Manhole Covers as a unit per each adjustment location, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.13	Adjusting Village of Brown Deer Sanitary Manhole Covers	EACH

Payment is full compensation for furnishing and installing all materials including adjusting rings, masonry, and external frame/chimney seals; for excavating, backfilling, and compacting; for disposing of surplus materials; for removing pavement; and for cleaning out and restoring the structure.

The department will pay separately for sawing concrete, cover plates temporary, asphaltic surface temporary, concrete base and drilled tie bars.

83. Adjusting Village of Brown Deer Water Boxes, Item SPV.0060.14.

A Description

This special provision describes adjusting, protecting, and maintaining accessibility, for the duration of the paving project, to all Village of Brown Deer water service boxes and water valve boxes located within the project limits.

B Materials

The contractor shall supply risers or sliding/screw type adapters, and new lids, as needed. Approved adapters are manufactured by Bingham & Taylor. Other manufactures may be allowed, if approved by the Brown Deer Water Utility. If there is contractor damage, the Village no longer supplies contractors with water facility materials. If replacement is necessary, valve boxes shall be a F-2494 screw type, manufactured by Clow or approved equal.

All material for the adjustment of these facilities shall meet Brown Deer Water Utility specifications.

C Construction

The contractor, or authorized project representative, shall contact the Brown Deer Water Utility (414) 371-3080 prior to the start of construction. The Village will locate, mark, and inspect water services boxes and water valve boxes within the limits of the project prior to commencement of work on the project. The main contact for the Utility is Tom Nennig at (414) 371-3082 office, or (414) 559-6883 mobile. The contractor shall continually maintain water identification markings during the progress of the work.

All water service boxes and water valve boxes within the project limits shall be adjusted to proposed elevations by the contractor using materials meeting Village specifications. Adjust water valve boxes up and down as required by contractor operations. All valve boxes shall be set to finished grade after binder and prior to installation of the surface course. Set the finished valve box in a plumb, vertical position flush with the pavement. Use methods that conform to Chapter 4 of the Standard Specifications for Sewer and Water Construction in Wisconsin, 6th Edition.

Throughout the duration of the project, the contractor must ensure that all water service boxes and water valve boxes are adequately located and identified by blue paint, and that at all times, all water appurtenances remain accessible for operation by utility forces.

Exercise caution working adjacent to water facilities to avoid damage and ensure accessibility. Protect the top section of the box from damage or breaking. The utility no longer supplies contractors with water facility materials. The contractor shall supply materials for repairing any damaged facilities. If the top section is damaged, the contractor shall use an approved slider or screw type adapter that extends enough to cover any broken area along the water valve box and supply a new lid as needed. Or, if the top section is replaced, the valve boxes shall be a F-2494 screw type, manufactured by Clow or approved equal.

Upon completion of the paving, the contractor shall verify all water service boxes and water valve boxes have been adjusted. Upon completion of the paving, the Brown Deer Water Utility will inspect all water facilities to ensure the water boxes are clean, properly aligned, accessible, and functional. If the Utility determines the valve is inoperable due to displacement of faulty adjusting or lack of protection, the contractor will be required to perform all work necessary to correct the condition and make the valve operational at his own expense and with five days of notification by the utility.

D Measurement

The department will measure Adjusting Village of Brown Deer Water Boxes as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.14	Adjusting Village of Brown Deer Water Boxes	EACH

Payment is full compensation for all excavation, backfilling, disposal of surplus materials, water box adjustments, removing pavement, water box clean-out, and restoration of the work site.

The department will pay separately for sawing concrete, asphaltic surface temporary and HMA pavement.

84. Adjusting City of Mequon Sanitary Manhole Covers, Item SPV.0060.15.

A Description

This work includes adjusting sanitary manholes to an elevation as determined by the engineer as well as installing frame and cover, external frame/chimney seal, according to the City of Mequon Standard Specifications for Land Development.

Add or remove masonry adjusting rings as needed. This item applies to structures to be lowered less than 6 inches or raised less than 12 inches.

B Materials

B.1 Adjusting Rings

Adjustment rings shall be HPDE as described in the City Standard Specifications for new sewer work, or concrete with steel reinforcement in conformance with ASTM C-478 to match existing as necessary. Precast concrete rings shall have an inside diameter to match the manhole opening, be not less than 2 inches nor more than 6 inches high and have a wall thickness of 6 inches unless otherwise specified. The rings shall contain a minimum of one No. 2 reinforcing rod centered within the ring. Cracked or broken rings are not acceptable and shall be rejected. The top of precast manhole cones shall be set a maximum of 18 inches lower than established grade in unimproved areas, with the top of the manhole cover being ringed up flush with the existing ground. The minimum number of adjusting rings shall be one 2-inch ring. The maximum height of adjusting rings shall be 8 inches in paved areas. All joints between the adjusting rings shall be filled with grout or mortar, including between the cone and the adjusting ring and the adjusting ring and the frame. Rings shall be grooved to receive a step.

B.2 Manhole

Clean and prepare existing manhole for adjustment rings and reinstallation of existing casting frame and cover.

B.3 Manhole Seal

External chimney seals shall be external, flexible rubber sleeve with stainless-steel compression bands designed to prevent leakage of water into manhole in adjusting ring area between manhole frame and top of cone or flat top. Seal shall remain flexible, allowing repeated vertical movements of frame due to frost lift, ground movement, or other causes of up to 2 in. and/or repeated horizontal movements of frame due to thermal movement of pavement or other causes of up to 1/2 in. for a 20-year design life. Provide Adaptor, Inc. Info-Shield, or approved equal. Install chimney seals on all sanitary manholes according to manufacturer's instructions.

C Construction

C.1 General

The location of existing sanitary manholes to be adjusted is indicated on the plans. Adjust these items as shown in the plans. Reconstruct manholes as necessary so that the frames and cover when placed will be at the established required grade; remove the existing frame and cover. Any temporary adjustment (wood) shims shall be removed and backfilled with grout or mortar prior to installing the external seal. Install seals according to the manufacturer's recommended installation procedures. Furnish and backfill according to plans in the manhole excavation area to existing surface or to appropriate depth for pavement restoration. Salvage the existing frame and cover for re-use.

C.2 Surface Preparation

Remove manhole cover and power wire brush the lower 3 inches of the manhole frame to remove any loose rust or scale and repair any imperfections by either grinding smooth or filling with mortar. A smooth, clean sealing surface is required. Realign the casting if it is offset more than approximately 2 inches from the chimney. Remove all loose and protruding mortar and brick from the upper 7-Inch chimney and clean surface by power wire brushing. Provide a 4-inch wide sealing surface starting 2 inches down from the bottom of the frame.

All sealing surfaces must be circular, reasonably smooth, clean and free of any loose material or excessive voids. If such a surface does not exist for the bottom of the sleeve to seal against, use one-component, quick-set, high strength, non-shrink, polymer modified patching mortar which has been formulated for vertical or overhead use. If the bottom of the sleeve is to seal against the top of an eccentric (straight side) cone and an inadequately high vertical surface does not exist, contact the manufacturer to obtain details to build the required vertical surface.

Use caulk to fill minor irregularities in the bottom sealing surface. The caulk shall be a butyl rubber caulk conforming to AASHTO M 198, Type B. Apply a single bead of the caulk to the center portion of the lower sealing surface of the sleeve.

Any flaws in the manhole frame, such as minor cracks, pits or protrusions, shall be repaired by either filling with mortar or grinding smooth.

D Measurement

The department will measure Adjusting City of Mequon Sanitary Manhole Covers as a unit per each adjustment location, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.15	Adjusting City of Mequon Sanitary Manhole Covers	EACH

Payment is full compensation for furnishing and installing all materials including adjusting rings, masonry, and external frame/chimney seals; for excavating, backfilling, and compacting; for disposing of surplus materials; for removing pavement; and for cleaning out and restoring the structure.

The department will pay separately for sawing concrete, cover plates temporary, asphaltic surface temporary, concrete base and drilled tie bars.

85. Adjusting Mequon Water Utility Water Boxes, Item SPV.0060.16.

A Description

This special provision describes adjusting, protecting, and maintaining accessibility, for the duration of the paving project, to all Mequon Water Utility water service boxes and water valve boxes located within the project limits.

B Materials

The contractor shall supply risers or sliding/screw type adapters, and new lids, as needed. Approved adapters are manufactured by Bingham & Taylor. Other manufactures may be allowed, if approved by the Mequon Water Utility. If there is contractor damage, the Mequon Water Utility does not supply contractors with water facility materials. If replacement is necessary, valve boxes shall be a F-2494 screw type, manufactured by Clow or approved equal.

All material for the adjustment of these facilities shall meet Mequon Water Utility specifications.

C Construction

The contractor, or authorized project representative, shall contact the Mequon Water Utility (262) 236-8150 prior to the start of construction. The Mequon Water Utility will locate, mark, and inspect water services boxes and water valve boxes within the limits of the project prior to commencement of work on the project. The Mequon Water Utility Operations Manager is Jim Voigt at (414) 559-8656. The contractor shall continually maintain water identification markings during the progress of the work.

All water service boxes and water valve boxes within the project limits shall be adjusted to proposed elevations by the contractor using materials meeting Mequon Water Utility specifications. Adjust water valve boxes up and down as required by contractor operations. All valve boxes shall be set to finished grade after binder and prior to installation of the surface course. Set the finished valve box in a plumb, vertical position flush with the pavement. Use methods that conform to Chapter 4 of the Standard Specifications for Sewer and Water Construction in Wisconsin, 6th Edition.

Throughout the duration of the project, the contractor must ensure that all water service boxes and water valve boxes are adequately located and identified by blue paint, and that at all times, all water appurtenances remain accessible for operation by Utility forces.

Exercise caution working adjacent to water facilities to avoid damage and ensure accessibility. Protect the top section of the box from damage or breaking. The Utility no longer supplies contractors with water facility materials. The contractor shall supply materials for repairing any damaged facilities. If the top section is damaged, the contractor shall use an approved slider or screw type adapter that extends enough to cover any broken area along the water valve box and supply a new lid as needed. Or, if the top section is replaced, the valve boxes shall be a F-2494 screw type, manufactured by Clow or approved equal.

Upon completion of the paving, the contractor shall verify all water service boxes and water valve boxes have been adjusted. Upon completion of the paving, the Mequon Water Utility will inspect all water facilities to ensure the water boxes are clean, properly aligned, accessible, and functional. If the Utility determines the valve is inoperable due to displacement of faulty adjusting or lack of protection, the contractor will be required to perform all work necessary to correct the condition and make the valve operational at his own expense and with five days of notification by the utility.

D Measurement

The department will measure Adjusting Mequon Water Utility Water Boxes as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.16	Adjusting Mequon Water Utility Water Boxes	EACH

Payment is full compensation for all excavation, backfilling, disposal of surplus materials, water box adjustments, removing pavement, water box clean-out, and restoration of the work site.

The department will pay separately for sawing concrete, asphaltic surface temporary and HMA pavement.

**86. Marking Contrast Epoxy Special Marking Arrow, Item SPV.0060.17;
Marking Contrast Epoxy Special Marking Words, Item SPV.0060.18.**

A Description

This special provision describes furnishing and installing contrast epoxy special pavement marking according to standard spec 646.

B Materials

Furnish epoxy pavement marking materials according to standard spec 646.

C Construction

Contractor shall apply the 1 ½ wide black epoxy around the perimeter of the special marking. Construct epoxy pavement marking according to the pertinent requirements of standard spec 646.3 and 647.

D Measurement

The department will measure Marking Contrast Epoxy Special Marking Arrow and Marking Contract Epoxy Special Words according to standard spec 647.4 and measured by each arrow or word special marking applied.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.17	Marking Contrast Epoxy Special Marking Arrow	EACH
SPV.0060.18	Marking Contrast Epoxy Special Marking Words	EACH

Payment is full compensation for cleaning and preparing the pavement surface; furnishing and installing the material; protecting until cured; replacing marking improperly constructed or failures during proving period; furnishing, placing, and removing temporary pavement marking, if necessary.

87. Utility Line Opening (ULO), Item SPV.0060.19.

A Description

This work consists of excavating to uncover utilities for the purpose of determining elevation and potential conflicts as shown on the plans or as directed by the engineer.

B (Vacant)

C Construction

Perform the excavation in such a manner that the utility in question is not damaged.

Perform the utility line openings as soon as possible and at least 10 days in advance of proposed utility construction to allow any conflicts to be resolved with minimal disruption. Where utilities are within 6 feet of each other at a potential conflict location, only one utility line opening will be called for. In these cases, a single utility line opening will be considered full payment to locate multiple utilities. Provide utility line openings with a trench up to 10 feet long as measured at the trench bottom, and of any depth required to locate the intended utility.

Notify the utility engineers or their agents of this work a minimum of 3 working days prior to the work so they may be present when the work is completed. Do not perform utility line openings without the approval of the engineer.

D Measurement

The department will measure Utility Line Opening (ULO) as each individual ULO, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.19	Utility Line Opening (ULO)	EACH

Payment is full compensation for the excavation required to expose the utility line, backfilling with existing material removed from the excavation, compacting the backfill material, restoring the site, and for cleanup.

Existing pavement removal necessary to facilitate utility line openings will be considered part of or paid for under Utility Line Openings. Replacement pavement, concrete curb, gutter, and sidewalk items will be considered separate from Utility Line Openings and will be measured and paid for separately.

88. Tubular Railing Repair Type 1, Item SPV.0060.30; Tubular Railing Repair Type 2, Item SPV.0060.31; Tubular Railing Repair Type 3, Item SPV.0060.32.

A Description

This special provision describes repairing and providing railing fabricated from aluminum.

Tubular railing Repair Type 1 includes repair of tubular railings.

Tubular Railing Repair Type 2 includes repair of tubular railing and aluminum post casting.

Tubular Railing Repair Type 3 includes repair of tubular railing, aluminum post casting and anchor bolts.

B Materials

Repair to standard spec 513 Railing for aluminum railing.

C Construction

Refer to standard spec 513 Railing.

D Measurement

The department will measure Tubular Railing Type 1, Type 2 and Type 3 by each, acceptably completed 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.0060.30	Tubular Railing Repair Type 1	EACH
SPV.0060.31	Tubular Railing Repair Type 2	EACH
SPV.0060.32	Tubular Railing Repair Type 3	EACH

Payment is full compensation for repairing and providing railing fabricated from aluminum.

89. Masonry Pillar and Wall, Item SPV.0060.40.

A Description

This special provision describes furnishing and constructing masonry pillars and walls.

B Materials

Furnish veneer to match existing pillars at Fire Station at southwest corner of the intersection of North Deerbrook Trail and West Brown Deer Road, from a department approved source substantially free of unconsolidated overburden materials, topsoil, organic materials, and other deleterious materials. Furnish one-piece solid limestone pillar cap and matching sectional limestone caps for walls. Furnish all other materials necessary to construct masonry pillars and walls.

A department approved source is a source with acceptable department test results for wear and soundness on record. The engineer may also approve a source the engineer judges to be sound, hard, durable, and of a suitable texture and composition.

The engineer may reject material from deteriorated or non-durable rock.

Material to be masonry veneer stone and limestone wall caps per plans.

C Construction

Excavate, construct footings, and build block masonry core walls to accept veneer stone where the plans show. Install masonry veneer with mortar joints, attachment tabs, and solid one-piece limestone pillar cap and wall caps.

D Measurement

The department will measure Masonry Pillar and Wall by each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.40	Masonry Pillar and Wall	EACH

Payment is full compensation for providing and installing Masonry Pillar and Wall, including all materials necessary to construct the Masonry Pillar and Wall, masonry veneer, limestone cap, reinforced concrete, dowel bars, subgrade compaction, and all other incidentals.

**90. Perennials, Geranium x Cantabrigiense 'Karmina', CG, No.1, Item SPV.0060.41;
Perennials, Panicum Virgatum 'Heavy Metal', CG, No. 1, Item SPV.0060.42;
Perennials, Nepeta x 'Kit Cat', CG, No. 1, Item SPV.0060.43;
Perennials, Schizachyrium Scoparium 'Little Bluestem Grass', CG, No. 1, Item
SPV.0060.44;
Perennials, Calamintha Nepeta 'Montrose White', CG, No. 1, Item SPV.0060.45;
Perennials, Sporobulus Heterolepsis 'Prairie Dropseed', CG, No. 1, Item SPV.0060.46.**

A Description

This special provision describes the furnishing and planting of perennial and ornamental grass plant materials according to the plans. Complete in place at the locations as designated on the plans, or as directed by the engineer conforming to standard spec 632 and as hereinafter provided.

B Materials

Per standard spec 632.1.

Mulch all plants with bark mulch according to the Bark Mulch Bid Item. Bark mulch will be paid under a separate bid item.

C Construction

Install plants as detailed and according with pertinent provisions of standard spec 632.

D Measurement

The department will measure Perennials as each individual plant, 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.0060.41	Perennials, Geranium x Cantabrigiense 'Karmina', CG, No.1	EACH
SPV.0060.42	Perennials, Panicum Virgatum 'Heavy Metal', CG, No. 1,	EACH
SPV.0060.43	Perennials, Nepeta x 'Kit Cat', CG, No. 1	EACH
SPV.0060.44	Perennials, Schizachyrium Scoparium 'Little Bluestem Grass', CG, No. 1	EACH
SPV.0060.45	Perennials, Calamintha Nepeta 'Montrose White', CG, No. 1	EACH
SPV.0060.46	Perennials, Sporobulus Heterolepis 'Prairie Dropseed', CG, No. 1	EACH

Payment is full compensation for providing, transporting, handling, storing, placing, and replacing plant materials; for excavating all plant holes, salvaging topsoil, mixing, and backfilling; for providing and applying all required fertilizer, water, herbicides, for disposing of all excess and waste materials.

91. Remove, Stockpile, and Reinstall Municipal Monument Sign, Item SPV.0060.47.

A Description

This special provision describes removing, stockpiling, and reinstalling Municipal Monument Sign.

B Materials

Furnish breakaway post mountings for existing sign.

C Construction

Remove, coordinate storage of, transportation, and reinstall existing municipal monument sign.

D Measurement

The department will measure remove, stockpile, and reinstall municipal monument sign by each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.47	Remove, Stockpile, and Reinstall Municipal Monument Sign	EACH

Payment is full compensation for removing, stockpiling, and reinstalling Municipal Monument Sign.

92. Select Stone Material 3'x4'x3', Item SPV.0060.48.

A Description

This special provision describes providing and placing select stone material.

B Materials

Furnish multicolor, Wisconsin granite boulders, from a department approved source substantially free of unconsolidated overburden materials, topsoil, organic materials, and other deleterious materials.

A department approved source is a source with acceptable department test results for wear and soundness on record. The engineer may also approve a source the engineer judges to be sound, hard, durable, and of a suitable texture and composition.

The engineer may reject material from deteriorated or non-durable rock.

Material to be 3-foot x 4-foot x 3-foot for each boulder.

C Construction

Place select stone materials where the plans show or where the engineer directs.

D Measurement

The department will measure Select Stone Material 3'x3'x4' by each unit.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.48	Select Stone Material 3'x4'x3'	EACH

Payment is full compensation for providing and installing select stone materials, including all materials; weed barrier, traffic bond chips, excavation, and subgrade compaction.

93. Select Stone Material 5'x3'x5', Item SPV.0060.49.**A Description**

This special provision describes providing and placing select stone material.

B Materials

Furnish multicolor, Wisconsin granite boulders, from a department approved source substantially free of unconsolidated overburden materials, topsoil, organic materials, and other deleterious materials.

A department approved source is a source with acceptable department test results for wear and soundness on record. The engineer may also approve a source the engineer judges to be sound, hard, durable, and of a suitable texture and composition.

The engineer may reject material from deteriorated or non-durable rock.

Material to be 5-foot x 3-foot x 5-foot for each boulder.

C Construction

Place select stone materials where the plans show or where the engineer directs.

D Measurement

The department will measure Select Stone Material 5'x3'x5' by each unit.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.49	Select Stone Material 5'x3'x5'	EACH

Payment is full compensation for providing and installing select stone materials, including all materials; weed barrier, traffic bond chips, excavation, and subgrade compaction.

94. Artistic Panels, Item SPV.0060.50.**A Description**

This special provision describes furnishing and constructing metal artistic panels and posts, including breakaway connections at grade to concrete footings.

B Materials

Furnish 5'-4" x 3'-1 1/2" x 1/4" corten steel artistic panels with waterjet cut graphics, mounted to aluminum posts, with concrete footings and breakaway mounting systems at locations per plans.

C Construction

Install concrete footings, breakaway connections, manufacture panels, transport to site and install as indicated on plans.

D Measurement

The department will measure Artistic Panels by each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.50	Artistic Panels	EACH

Payment is full compensation for providing and installing Artistic Panels.

95. Wayfinding Signs, Item SPV.0060.51.

A Description

This special provision describes fabricating, galvanizing, painting, delivering, and installing Sign and Sign Structure as shown on the plans.

B Materials

B.1 General

All materials shall meet the requirements as shown on the plans and the applicable provisions of the standard specifications as follows:

- Structural Steel: subsection 506.2.2
- Welding Materials: subsection 506.2.3.11
- Painting: subsection 517.2 and 517.3
- Sign: subsection 637.2 (reflective)

Prior to fabrication, steel shall be blast-cleaned per SSPC-SP 6 and galvanized according to ASTM A 123. All bolts, nuts and washers shall be supplied as factory-galvanized according to ASTM A 153. Repair zinc coating damaged during fabrication as specified in 635.3.4. Grind the welded joints to a smooth finish where shown in the plans.

Steel preparation includes the chamfering of sharp edges. All sharp edges shall be flattened by a single pass of a grinder or suitable device along the sharp edge. Condition any thermal cut edges before blast cleaning by shallow grinding or other cleaning to remove any hardened surface layer. Remove all evident steel defects exposed in accordance to AASHTO M 160 prior to blast cleaning.

B.2 Painting

All galvanizing surfaces shall be cleaned per SSPC-SP1 to remove, chlorides, sulfates zinc salts, oil, dirt, organic matter, and other contaminants. The cleaned surface should then be brush blast cleaned per SSPC-SP7 to create a slight angular surface profile (1.0 - 1.5 mils suggested) for adhesion. Blasting should not fracture the galvanized finish or remove any dry film thickness.

After cleaning, provide a tie coat from an approved coating system that is specifically intended to be used on a galvanized surface. The tie coat shall etch the galvanized rail and prepare the surface for the top coat. Apply a top coat matching the specified color. The tie and top coats should be of contrasting colors. Use a pre-approved top coat that is resistant to the effects of the sun, and is suitable for use in a marine environment. The various sign structure components shall be painted with the tie and top coats before final assembly of the sign structures. Exercise care to not damage the painted surface during sign structure assembly or sign installation. If the painted surface of the sign structure is damaged, touch up damaged portions of paint after sign structure is installed.

Use one of the qualified paint sources and products given below. An equivalent system may be used with the written approval of the engineer.

Producer	Coat	Products	Dry Film Minimum Thickness(mils)	Minimum Time Between Coats (hours)
Sherwin Williams 1051 Perimeter Drive, Suite 710 Schaumburg, IL 60173 (847) 330-1562	Tie	Recoatable Epoxy Primer B67-5 Series/B67V5	2.0 to 4.0	6
	Top	Acrolon 218 HS Polyurethane, B65-650	2.0 to 4.0	NA
Carboline 350 Hanley Industrial St. Louis, MO 63144 (314) 644-1000	Tie	Rustbond Penetrating Sealer FC	1	36
	Top	Carboline 133 LH	4	NA
Wasser Corporation 4118 B Place NW, Suite B Auburn, WA 98001	Tie	MC-Ferrox B 100	3.0 to 5.0	8
	Top	MC-Luster 100	2.0 to 4.0	NA

B.2 Color

The finished color for coating system for the Wayfinding Sign shall be black.

C Construction

Provide shop drawings in accordance to the requirements of subsection 506.3.2 of the standard specifications. Shop drawings shall contain material sizes and types, weld sizes and locations, and all necessary details, dimensions, and information to allow fabrication of the sign structure in conformance with the requirements of the contract. Do not begin fabrication prior to shop drawing review and acceptance.

Provide a test segment of two different sized tubular components welded together and with the proper finish for the sign structures. The test segment shall consist of two pieces, 2 feet long, welded and finished. Deliver the test segment to the job site within 60 days of the award of the contract. Deliver the test segment to a location within the project area as designated by the engineer. Do not begin fabrication of sign structures prior to the test segment acceptance.

During construction and at the time of delivery, the engineer shall inspect the sign structures for any shipping damage or construction defects. The engineer shall accept the product after the delivery is unloaded on the site. After the product is unloaded, the installation contractor will signify in writing that the sign structures were received in acceptable condition per the engineer's inspection. Any damage to the sign structures after the acceptable delivery will be the responsibility of the installation contractor.

All welding shall conform to the applicable requirements of section 506 of the standard specifications. No field welding, field cutting, or drilling will be permitted without the approval of the engineer.

Take special care during construction to minimize the number and size of touch-up spots. Follow the manufacturer's recommendations for damaged area repairs. The engineer must approve the field paint appearance prior to final acceptance.

Provide the engineer with the name, address, and phone number of a representative of sign structure fabricator for future coordination.

During handling, protect finish coating from damage. If damaged during handling, the sign structures may be rejected by the engineer or the engineer may direct fabricator that the finish be repaired in accordance to the manufacturer's recommendations.

D Measurement

The department will measure Wayfinding Sign by each sign and sign structure, acceptably furnished and installed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.51	Wayfinding Sign	EACH

Payment is full compensation for providing and fastening sign to sign structure; for fabricating, painting, galvanizing and delivering test segment of sign structure to site; fabricating, furnishing, delivering and unloading sign structure; installing sign structure and hardware; for preparing shop drawings; for painting; and for galvanizing metal sign structures.

96. Concrete Control Cabinet Bases Type 9 Special Super P, Item SPV.0060.61.

A Description

Work under this specification shall be done according to standard spec 654, contract plan detail, and these special provisions.

B Materials

Materials shall be according to standard spec 654.

C Construction

Construction shall be according to standard spec 654.

D Measurement

The department will measure Concrete Control Cabinet Bases Type 9 Special Super P bid items as each individual base, 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.0060.61	Concrete Control Cabinet Bases Type 9 Special Super P	EACH

Payment is full compensation for providing concrete bases; for embedded conduit and electrical components; for anchor rods, nuts, and washers; for bar steel reinforcement, if required; for excavating, backfilling, and disposing of surplus materials.

97. Pedestal Bases Black, Item SPV.0060.62; Transformer Bases Breakaway 11 1/2-Inch Bolt Circle Black, Item SPV.0060.63; Poles Type 3 Black, Item SPV.0060.64; Poles Type 5-Aluminum Black, Item SPV.0060.65; Traffic Signal Standards Aluminum 3.5-FT Black, Item SPV.0060.66; Traffic Signal Standards Aluminum 13-FT Black, Item SPV.0060.67; Traffic Signal Standards Aluminum 15-FT Black, Item SPV.0060.68; Traffic Signal Standards Aluminum 10-FT Black, Item SPV.0060.69; Luminaire Arms Single Member 4-Inch Clamp 6-FT Black, Item SPV.0060.70; Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT Black, Item SPV.0060.71; Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT Black, Item SPV.0060.88.

A Description

This special provision describes furnishing and installing Pedestal Bases Black, Transformer Bases Breakaway 11 1/2-Inch Bolt Circle Black, Poles Type 5-Aluminum Black, Traffic Signal Standards Aluminum (height) Black, and Luminaire Arms Single Member (diameter) Clamp (length) Black at the locations shown in the plan, according to the pertinent requirements of standard spec 657, and as hereinafter provided.

B Materials

Furnish materials conforming to standard spec 657.2 except as follows:

Append standard spec 657.2.1.1(7) with the following:

- (7) All aluminum poles and luminaire arms shall be anodized and factory painted black. All steel poles shall have a powder coated enamel finish that is black. Pedestal bases and transformer bases shall also be anodized, and factory painted black, matching the color of the poles, after anodizing.

C Construction

Install materials conforming to standard spec 657.3 except as follows:

Append standard spec 657.3.1.1 with the following:

- (2) Touch-up and repair damage to black equipment with matching material. All black equipment, whether department or contractor provided, must be touched-up, repaired, and accepted by the department prior to traffic signal turn-on.

D Measurement

The department will measure all items under this special provision as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.62	Pedestal Bases Black	EACH
SPV.0060.63	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle Black	EACH
SPV.0060.64	Poles Type 3 Black	EACH
SPV.0060.65	Poles Type 5-Aluminum Black	EACH
SPV.0060.66	Traffic Signal Standards Aluminum 3.5-FT Black	EACH
SPV.0060.67	Traffic Signal Standards Aluminum 13-FT Black	EACH
SPV.0060.68	Traffic Signal Standards Aluminum 15-FT Black	EACH
SPV.0060.69	Traffic Signal Standards Aluminum 10-FT Black	EACH
SPV.0060.70	Luminaire Arms Single Member 4-Inch Clamp 6-FT Black	EACH
SPV.0060.71	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT Black	EACH
SPV.0060.88	Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT Black	EACH

Payment is full compensation for conforming to standard spec 657.5.

98. **Install Poles Type 9, Item SPV.0060.72;
Install Poles Type 9-Special, Item SPV.0060.73;
Install Poles Type 10, Item SPV.0060.74;
Install Poles Type 10-Special, Item SPV.0060.75;
Install Monotube Arms 20-FT, Item SPV.0060.76;
Install Monotube Arms 25-FT, Item SPV.0060.77;
Install Monotube Arms 30-FT, Item SPV.0060.78;
Install Monotube Arms 35-FT Special, Item SPV.0060.79;
Install Monotube Arms 40-FT Special, Item SPV.0060.80;
Install Monotube Arms 45-FT Special, Item SPV.0060.81;
Install Luminaire Arms Steel 15-FT, Item SPV.0060.82;
Install Monotube Arms 45-FT, Item SPV.0060.89;
Install Poles Type 12, Item SPV.0060.90.;**

A Description

This special provision describes installing state furnished materials conforming to standard spec 657, details shown in the plans, and as modified in this special provision.

B Materials

The department will furnish the monotube poles, monotube arms and luminaire arms.

Provide all other needed materials in conformance with standard spec 651.2, 652.2, 653.2, 654.2, 655.2, 656.2, 657.2, 658.2 and 659.2.

C Construction

Perform work according to standard spec 651.3, 652.3, 653.3, 654.3, 655.3, 656.3, 657.3, 658.3 and 659.3 except as specified below.

Touch-up and repair damage to any black equipment with matching material. All black equipment, whether department or contractor provided, must be touched-up, repaired, and accepted by the department prior to traffic signal turn-on.

D Measurement

The department will measure Install [Equipment] at the contract unit price, 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.0060.72	Install Poles Type 9	EACH
SPV.0060.73	Install Poles Type 9-Special	EACH
SPV.0060.74	Install Poles Type 10	EACH
SPV.0060.75	Install Poles Type 10-Special	EACH
SPV.0060.76	Install Monotube Arms 20-FT	EACH
SPV.0060.77	Install Monotube Arms 25-FT	EACH
SPV.0060.78	Install Monotube Arms 30-FT	EACH
SPV.0060.79	Install Monotube Arms 35-FT Special	EACH
SPV.0060.80	Install Monotube Arms 40-FT Special	EACH
SPV.0060.81	Install Monotube Arms 45-FT Special	EACH
SPV.0060.82	Install Luminaire Arms Steel 15-FT	EACH
SPV.0060.89	Install Monotube Arms 45-FT	EACH
SPV.0060.90	Install Poles Type 12, Item	EACH

Payment is full compensation for installing all materials, including all associated hardware, fittings, mounting devices, and attachments necessary to completely install the pole and arms.

- 99. Traffic Signal Face 3S 12-Inch Black, Item SPV.0060.83;
Traffic Signal Face 4S 12-Inch Black, Item SPV.0060.84;
Pedestrian Signal Face 16-Inch Black, Item SPV.0060.85;
Pedestrian Push Buttons Black, Item SPV.0060.86.**

A Description

This special provision describes providing and installing Traffic Signal Face (sections) (size) Black, Pedestrian Signal Face 16-Inch Black and Pedestrian Push Buttons Black at the locations shown in the plan, according to the pertinent requirements of standard spec 658, and as hereinafter provided.

B Materials

Furnish materials conforming to standard spec 658.2 except as follows:

Append standard spec 658.2(3) with the following:

- (3) The color of all traffic signal equipment is to be black, including visors and the backs of the signal heads.

Append standard spec 658.2(4) with the following:

- (4) The color of all pedestrian signal housing is to be black, including visors and the backs of the pedestrian signal heads.

Append standard spec 658.2(5) with the following:

- (5) Furnish vandal resistant, pressure activated, pedestrian push buttons, with die cast body type, in black. Button constructed shall be constructed of stainless steel, with a Piezo driven solid state switch, display and beeper that sounds simultaneously with button push.

Furnish low profile, unfinished cast aluminum, vandal resistant, and flush mounting pole mount.

Place a Size 1, Type H reflective (R10-3EL, R, D) sign sticker (per state sign plate), message series – B, directly above each push button. Include a directional arrow or arrows on the sign as the plans show.

C Construction

Install materials conforming to standard spec 658.3 except as follows:

Append standard spec 658.3(5) with the following:

- (5) Connect all ungrounded conductors with wire nuts in the appropriate sections of the signal heads. Connect the neutral conductors to the terminal strip. Be certain to twist wires prior to installing the wire nuts. All wire nuts must be installed facing up to prevent the entrance of water.

D Measurement

The department will measure all items under this special provision as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.83	Traffic Signal Face 3S 12-Inch Black	EACH
SPV.0060.84	Traffic Signal Face 4S 12-Inch Black	EACH
SPV.0060.85	Pedestrian Signal Face 16-Inch Black	EACH
SPV.0060.86	Pedestrian Push Buttons Black	EACH

Payment is full compensation for conforming to standard spec 658.5.

100. Luminares Utility LED C Black, Item SPV.0060.87.

A Description

This special provision describes providing and installing Luminares Utility LED (type) Black at the locations shown in the plan, according to the pertinent requirements of standard spec 659, and as hereinafter provided.

B Materials

Furnish materials conforming to standard spec 659.2 except as follows:

Append the following to standard spec 659.2:

- (2) Furnish Luminares Utility LED (type) with a factory installed black finish. All other luminaire features must be according to the department's approved product list.

C Construction

Install materials conforming to standard spec 659.3.

D Measurement

The department will measure all items under this special provision as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.87	Luminares Utility LED C Black	EACH

Payment is full compensation for conforming to standard spec 659.5.

101. No Mow Fescue Seed Mix, Item SPV.0085.40.

A General

This item describes preparing seed beds, furnishing and sowing specialty seed mixtures according to the applicable provisions of standard spec 630, as shown on the plans and as hereinafter provided.

B Materials

General

Provide all seed according to standard spec 630.2. Provide documentation of seed sources (supplier) and final proposed seed mixtures to the engineer a minimum of 30 calendar days prior to use for review. Obtain engineer's approval of each of the suppliers and mixes, in writing, prior to installation on this project.

Ensure that the seed mix does not contain Birdsfoot Trefoil or Crown Vetch.

No Mow Fescue Mix

Provide a seed mixture at areas shown as No Mow Fescue in the plans, conforming to the following species and mixture proportions:

Scientific Name	Common Name	% Mix by Weight
Grasses		
	Spartan II Hard Fescue	45
	Quatro Sheep Fescue	40
	Turf Type Annual Ryegrass	15

Do not include any additional cover crop or nurse crop as a part of the No Mow Fescue mixes.

C Construction

Sow seeding mixtures according to standard spec 630.3.1(3) with a preference given to performing the No Mow Fescue between August 20 and October 20.

Do not apply fertilizer to area to be seeded with No Mow Fescue.

Utilize Method C for No Mow Fescue and perform seeding according to standard spec 630.3.3.3(3).

Seeding rate for No Mow Fescue of 5 pounds per 1000 square feet, or 220 pounds per acre.

Guarantee the germination and vigorous growth of all No Mow Fescue. If germination and vigorous growth does not occur, contractor will be held responsible for making repairs, overseeding and/or re-seeding all areas that have not adequately germinated and demonstrated vigorous growth as directed by the engineer.

Mow the No Mow Fescue when grass reaches a height of 4 inches. Do not mow lower than 3.5 inches to 4 inches. Never remove more than one third of the total leaf material when mowing.

D Measurement

The department will measure No Mow Fescue Seed Mix by the pound, 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.0085.40	No Mow Fescue Seed Mix	LB

Payment is full compensation for providing, handling, and storing all seed; for providing the required culture and inoculating seed as specified and as needed; and for preparing the seed bed, sowing, covering and firming the seed.

102. Heavy Duty Silt Fence, Item SPV.0090.01.

A Description

This special provision describes furnishing, installing, and removing heavy duty silt fence as shown on the plans or as directed by the engineer before construction activities begin.

B Materials

Furnish heavy duty silt fence consisting of a composite woven wire fabric, posts, geotextile fabric, and fasteners to be assembled by the contractor. Woven wire fabric shall be a standard field fence type, a minimum of 3 feet high with a maximum mesh spacing of 6-inches and minimum 14½-gage wire.

Provide metal posts with a minimum length of 6-feet, 3-inches. Posts shall be “studded tee” or “U” type with a minimum weight of 1.3 lb/ft.

Provide geotextile fabric, non-woven with properties as specified in standard spec 628.2.6.1.

C Construction

Install heavy duty silt fence as shown on the plans. Space ties and anchors adequately to resist current flow. Remove silt fence only after construction activities have been completed. Remove trapped silt prior to removing the fence as directed by the engineer. Use heavy duty silt fence in wetland areas up to 6-inches of standing water.

D Measurement

The department will measure Heavy Duty Silt Fence by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Heavy Duty Silt Fence	LF

Payment is full compensation for furnishing, installing, maintaining, and removing the heavy duty silt fence.

**103. Sanitary Sewer Pipe Reinforced Concrete Class II 12-INCH, Item SPV.0090.10;
Sanitary Sewer Pipe Reinforced Concrete Class II 21-INCH, Item SPV.0090.11.**

A Description

This special provision describes the furnishing and installation of new class-II reinforced concrete sanitary sewer pipe.

B Materials

Furnish materials conforming to standards as specified in the latest edition of “City of Mequon Standard Specifications for Land Development.”

C Construction

Install the sanitary sewer pipe according to all applicable provisions of the latest edition of “City of Mequon Standard Specifications for Land Development”.

D Measurement

The department will measure Sanitary Sewer Pipe Reinforced Concrete Class-II 12-Inch and Sanitary Sewer Pipe Reinforced Concrete Class-II 21-Inch 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.0090.10	Sanitary Sewer Pipe Reinforced Concrete Class-II 12-Inch	LF
SPV.0090.11	Sanitary Sewer Pipe Reinforced Concrete Class-II 21-Inch	LF

Payment is full compensation for construction staking, water for dust control, providing and removing sheeting and shoring, excavation, constructing the foundation, furnishing, hauling and placement of all materials, and backfilling.

104. Sanitary Sewer Force Main Pipe PVC 8-Inch, Item SPV.0090.12.

A Description

This special provision describes the furnishing and installation of new sanitary sewer force main pipe PVC.

B Materials

Furnish 8-inch dia. c-900 PVC DR-18 with rubber gaskets joints and materials conforming to standards as specified in the latest edition of "City of Mequon Standard Specifications for Land Development."

C Construction

Install the sanitary sewer pipe and make connections to the existing force main and the inside drop at MH 826.061 according to all applicable provisions of the latest edition of "City of Mequon Standard Specifications for Land Development".

D Measurement

The department will measure Sanitary Sewer Force Main Pipe PVC 8-Inch 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.0090.12	Sanitary Sewer Force Main Pipe PVC 8-Inch	LF

Payment is full compensation for construction staking, excavation, furnishing, hauling and placement of all materials, connections to the existing force main and proposed inside drop, and backfilling.

105. Steel Edging Material, Item SPV.0090.40.

A Description

This special provision describes supplying providing steel edging separating planting areas from turf areas.

B Materials

Furnish 1/8" steel edging, 4-inches tall, flat black in color.

Furnish pins/stakes as necessary to stabilize edging.

C Construction

Install steel edging material where the plans show or where the engineer directs.

Install steel edging material so top of edging is 1/4-inch above top of mulch height.

Install steel edging material with pins/stakes as necessary to anchor and stabilize edging.

D Measurement

The department will measure Steel Edging Material by linear foot in-place, 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.0090.40	Steel Edging Material	LF

Payment for steel edging material is full compensation for providing and installing steel edging material.

106. Compacted Gravel Leveling Course, Item SPV.0090.41.

A Description

This special provision describes placing compacted gravel leveling course for the 10-INCH Snapped Limestone Wall.

B Materials

Furnish the compacted gravel leveling course that is according to the pertinent requirements of standard spec 209. Compacted Gravel Leveling Course will be 3/8" with fines limestone gravel, installed 8-inches thick, 2-feet wide, compacted as indicated on details.

C Construction

Place and compact gravel leveling course material as specified in standard spec 205.3.2. The gravel leveling course shall be prepared by level-screening the gravel to proper height and compacting with a plate compactor. The gravel must be smooth and without low spots. Do not step in gravel.

D Measurement

The department will measure compacted gravel leveling course 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.0090.41	Compacted Gravel Leveling Course	LF

Payment is full compensation for all the work required under this bid item.

107. Control of Water Storm Sewer, Item SPV.0105.01.

A Description

This section addresses the provision for designing, furnishing all labor and material needed to control, handle, dispose and treat groundwater and surface water that may be encountered in all excavations as required for performance of the work as shown in the plans.

This special provision does not cover temporary drainage. Conform to standard specification standard spec 205 for temporary drainage.

Refer to the dewatering guidelines of WisDNR Storm Water Management Technical Standards, Code #1061, "Dewatering". This document can be found at the WisDNR website: <http://dnr.wi.gov/runoff/stormwater/techstds.htm>.

B Materials

The contractor is responsible to determine materials required to meet this special provision.

C Construction

C.1 Submittals

C.1.1 General

The discharge permits and water control plan shall be submitted to the engineer at least 30 days prior to start of excavation, unless otherwise noted.

C.1.2 Subsurface Conditions

Shaft Station 438NS+00 to Shaft Station 455NS+00: The contractor shall review pertinent geotechnical reports for groundwater information and soil types.

C.1.3 Submittals

Discharge Permit: Submit discharge and well permit applications to Wisconsin Department of Natural Resources (WDNR) if dewatering wells are to be used. Also submit design and calculations for the sedimentation tank or clarifier system to be utilized to reduce sediment levels to minimum levels required by WDNR prior to discharging.

Water Control Plan: Water control plan shall be coordinated with requirements of special provisions, articles Shaft Excavation Support System, Tunnel Excavation, and Geotechnical Instrumentation. The following items shall be included in the water control plan, as a minimum.

- a. Descriptions of proposed groundwater and surface water control facilities including, but not limited to, equipment, methods, installation, standby equipment and power supply, pollution control facilities including silt removal facilities, discharge locations to be utilized, removal of water control systems, and provisions for immediate temporary water supply as required by this section.
- b. The contractor shall submit shop drawings showing locations, dimensions, and relationships of elements of each water control system.
- c. Design calculations demonstrating dewatering zone of influence, and adequacy of proposed water control systems and components. The contractor may be required to demonstrate the systems proposed in the water control plan and to verify that adequate equipment, personnel, and materials are provided to dewater the excavations at all locations and times required. The contractor shall provide manufacturer's literature describing installation, operation, and maintenance procedures for all components of the water control system.
- d. Monitoring plans including measurement of: pumping rates at excavated locations and wells, reading of piezometers, and water quality sampling of discharge.
- e. Method(s) to measure discharge quantities.
- f. If system is modified during installation or operation, revise or amend and resubmit Water Control Plan.

Quality Control: During construction, submit rate of discharge, pumping rate measurements, water level readings taken at piezometers, groundwater quality data, and sediment content test results. Contractor's readings shall be performed in addition to any readings taken by the engineer. Submit the data and test results within 24 hours of readings.

C.1.4 Acceptance

All Information Submittals should be submitted to the engineer. The engineer can reject the submittals which do not contain adequate detail, as required herein. The contractor shall resubmit the rejected submittals within 7 days upon the receipt of the engineer's rejection notice.

C.2 General Requirements

The contractor shall continuously control, handle, treat and dispose water at all times during the course of construction, and provide adequate backup systems to accomplish control of water in conformance with this special provision to obtain satisfactory working conditions and to maintain the progress of the work. Water to be controlled includes groundwater, contaminated groundwater; and surface water (precipitation and run-off).

All required drainage, pumping, treatment, and disposal shall be done without damage to adjacent property or structures and without interference with the operations of other contractors, or the rights of public and private owners, or pedestrian and vehicular traffic.

The contractor shall modify the water control system at their own expense if, after installation and while in operation, it causes or threatens to cause damage to adjacent property or to existing buildings, structures, or utilities.

C.3 Regulatory Requirements

Storm water discharge to storm sewers, watercourses, lakes, and wetlands shall conform to the requirements of local, state, and Federal regulations. Water from excavations shall be kept separate from storm water discharge associated with surface construction.

In the event that contaminated waters are encountered, the contractor is required to notify the department prior to discharging contaminated water. Comply with WDNR regulations regarding disposal of contaminated groundwater. Obtain additional permits, if required. Notify the Milwaukee Metropolitan Sewerage District for any discharge of contaminated water into the sewer system and provide laboratory test results documenting contaminant concentrations.

C.4. Surface Water Control

Intercept and divert surface drainage away from the work sites by the use of dikes, curbwalls, ditches, sumps, or other means. Design surface drainage systems to prevent erosion either on or off the site. Control surface runoff to prevent entry of surface water into excavations and to prevent erosion either on or off the site. Remove drainage systems when no longer needed.

C.5 Water Control in Excavations

Use water control methods that are appropriate, as determined by the contractor, to permit conditions, ground conditions, construction operations, and requirements of these plans and special provisions. The methods shall involve removal of water accumulating within excavations from precipitation and groundwater infiltration and may involve removal of water outside excavations by means such as the use of dewatering or pressure relief wells.

Water control methods shall minimize adverse effects of elevated or reduced water pressure on the work, the surrounding ground and adjacent facilities and structures. Design and operate the water control measures to prevent removal of in-situ materials (development of lost ground), or loosening or softening of subgrade soils within excavations.

Water control methods shall be capable of lowering and maintaining the free water and piezometric levels to an elevation at least 2 feet below excavation bottoms regardless of the water volume. The methods shall have sufficient capacity to accomplish this desired result allowing for normal variations in precipitation and soil and aquifer properties.

Control groundwater and surface water such that the construction of tunnels and shafts excavations, trenches and other structures can be performed without adverse effects of water on the facilities being constructed, including prevention of hydrostatic uplift pressures on the new facilities until construction has been adequately completed. If the water level cannot be maintained at the specified levels, contractor shall, at no additional cost to the department, control seepage of groundwater by whatever means are necessary to assure that there is no loss of ground by erosion or piping of fines with seepage through shoring or lagging into excavated areas and no instability of slopes due to seepage. Control water during periods when excavating, installing ground support systems, installing subgrade protection measures, placing concrete (except tremie concrete), placing pipe, and at such other times as is necessary for efficient and safe execution of the work.

If water enters the excavation in volumes that could adversely affect the performance of the work or has the potential to cause loss or damage to adjacent property or structures, take immediate steps to reduce or mitigate the water inflow.

Provide standby pumps and standby power supply where disruption of water control systems could allow water inflows to threaten the work or the safety of personnel.

C.6 Monitoring of Groundwater Levels

Monitor groundwater levels as necessary to evaluate the sufficiency of the water control system. A system of construction piezometers is required to evaluate the effectiveness of the water control system in fulfilling the requirements specified herein. Piezometers shall be of adequate numbers and in suitable arrangements and depths for determining the free water surface elevations and piezometric elevation over the area. A minimum of one piezometer per four dewatering wells or one piezometer per excavation location shall be installed with the dewatering system at locations and depths proposed by the contractor.

Piezometers shall be installed using direct rotary drilling methods with drilling fluid that does not impact the development of the piezometer and conforms to ASTM D5783. During drilling, soil samples shall be obtained at intervals of 2.5 feet or less using standard penetration tests according to ASTM D1586. Piezometers shall be constructed and developed according to ASTM D5092, with development a minimum of 24 hours after completion. The contractor's engineer shall determine the depth of the sensing zone for each piezometer based on observations of retained soil samples.

Make a minimum of one reading at each piezometer, per 24-hour period, 5 days per week during the period of dewatering activities (including dewatering by pumping seepage from sumps within shafts or other excavation areas) and one reading at each piezometer per week until the end of construction during periods of no dewatering.

C.7 Dewatering Wells

Obtain a site-specific dewatering discharge or construction site storm water discharge permit if the WDNR has specific concerns that are not addressed by other permits that might otherwise apply.

Obtain a WDNR permit for operation of any well or well system that has a combined pumping capacity of 70 gallons per minute or more (a high capacity extraction system). For purposes of permitting, a well is defined as any opening made in the ground where the depth of the opening is greater than its largest surface dimension and extends more than 10 feet below ground surface. The permit will require that wells be constructed, operated, and abandoned according to Chapter NR 812, Wisconsin Administrative Code.

Keep dewatering influence zone to the minimum necessary for execution of the work. Obtain any additional geotechnical information necessary for design of a dewatering well system, including performing pump tests, grain size analyses, groundwater chemical analyses, and subsurface investigations. Design and operate wells so as to prevent removal of fine soils with seepage through backpack material and screens. Provide means by which water discharge from each well can be measured and flow rates adjusted. Construct and operate wells according to WDNR requirements. Monitor the rate of discharge from each well on a daily basis with an accuracy of at least 2 percent of the flow.

Wells shall be designed, installed and operated in a manner that will preclude removal of materials by the pumping operation (hereafter referred to as "piping of fines"). After installation, each well shall be individually pump-tested at maximum design flow to verify acceptability with respect to piping of fines (sediment mostly consisting of silt and sand) as measured using a centrifugal tester. Any well or wellpoint segment found to be causing piping of fines at a rate exceeding 2 parts per million (ppm) by volume during the individual pump-test at the maximum design flow shall be replaced in a manner acceptable to the engineer, and at no additional cost to the department. Each well shall be checked for sediment piping using a centrifugal tester immediately after installation and at least once per month during operation. Measure the sediment content of the total dewatering effluent using a centrifugal tester at least once every 30 days. If the sediment content of the total effluent is greater than 1 ppm, contractor shall identify and abandon wells that are producing excessive sediments and replace them. All sediment content tests shall be performed in the presence of the engineer.

C.8 Ground Loss from Dewatering Operations

Support any structure including, but not limited to, buildings, bridges, freeway surfaces, streets, and utilities, or portions of such structure, including footings, foundations, basements, walls or concrete driveways that become unstable or vulnerable to settlement due to removal or disturbance of groundwater. Cease excavation and other construction operations that result or have the potential to result in further settlement until corrective measures are implemented. Support shall include but not be limited to shoring; sheeting; bracing; underpinning; compaction grouting; driving piles; excavating, backfilling, and placing new structural concrete beneath or adjacent to the unstable structure; or other means necessary to rectify the particular problem involved.

The contractor shall bear the costs of all loss or damage arising from removal or disturbance of groundwater including, but not limited to claims for subsidence and loss of structure support that may occur in the prosecution of the work. If the contractor fails to correct the damage resulting from his operations, the engineer may deem the work to be unacceptable work as defined in standard spec 105.3.2.2.

C.9 Treatment and Disposal of Water

Discharge all water removed from the construction site through pipes or hoses. Do not convey water in open ditches or trenches. Discharge water in a manner that will not cause soil erosion at the discharge point. Discharge shall not cause sediment accumulation or flooding in any stream, storm sewer, or on adjacent properties.

Treat all water to remove suspended solids, oils, cement, bentonite, and other contaminants by use of settling basins, on-site treatment plant, or other means selected by the contractor. Design the treatment systems for the maximum discharge rates. Treatment systems shall be capable of expansion if greater capacity becomes necessary during the course of the work. The contractor shall provide copies of all records required by the WDNR.

Obtain permission to use storm sewers or drains for water disposal purposes from the authority having jurisdiction. Protection of storm sewers and drains shall be in conformance with the Wisconsin Construction Site Best Management Practices Handbook, latest revision and the requirements by authority having jurisdiction. Any requirements and costs for such use shall be the responsibility of the

contractor. Do not cause flooding by overloading or blocking the flow in the drainage facilities and leave the facilities unrestricted and as clean as originally found. Document the condition of the drainage facilities prior to and subsequent to their use. The engineer may independently verify the condition of such facilities. Repair or restore any damage to facilities as a result of the contractor's operations as directed by the authority having jurisdiction, at the contractor's expense.

Should requirements of any permit be different than requirements herein, the more stringent requirements shall control.

Ventilate enclosures around wells and water discharge points to prevent the accumulation of combustible gas that may escape from solution in groundwater.

On completing the work, clean out and dispose of all sediments and residues in settling basins, treatment facilities, and the like. Dispose of sediments and residues according to applicable regulations.

C.10 Abandonment of Piezometers and Dewatering Wells

Abandon the design phase piezometers and all piezometers and dewatering wells installed during construction according to standard spec 204.3.3.3 and according to NR 812 Wisconsin Administrative Code, whichever is more stringent.

D Measurement

The department will measure Control of Water Storm Sewer will be on lump sum unit of work, acceptably completed. The contractor is responsible for removing all surface and ground water regardless of the quantity during construction to accomplish the work.

E Payment

The department will pay for Control of Water Storm Sewer at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.01	Control of Water Storm Sewer	LS

Payment for Control of Water Storm Sewer shall be full compensation for, but not limited to complete dewatering system design, installation, monitoring, discharge, and all necessary incidental work as specified in this special provision.

108. Removing Sanitary Sewer Inside Drop, Item SPV.0105.10.

A Description

This special provision describes the removal of an inside drop structure at manhole 826.010.

B Materials

Furnish materials conforming to standards as specified in the latest edition of "City of Mequon Standard Specifications for Land Development."

C Construction

Remove the inside drop and close the manhole opening from the inside drop according to all applicable provisions of the latest edition of "City of Mequon Standard Specifications for Land Development".

D Measurement

The department will measure Removing Sanitary Sewer Inside Drop by a single lump sum 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.0105.10	Removing Sanitary Sewer Inside Drop	LS

Payment is full compensation for labor and all materials, including excavation, pipe removal, and bulkheading manhole opening.

109. Sanitary Sewer Inside Drop, Item SPV.0105.11.

A Description

This special provision describes the furnishing and installation of an inside drop structure at manhole 826.061.

B Materials

Furnish materials conforming to standards as specified in the latest edition of "City of Mequon Standard Specifications for Land Development."

C Construction

Install the inside drop according to all applicable provisions of the latest edition of "City of Mequon Standard Specifications for Land Development".

D Measurement

The department will measure Sanitary Sewer Inside Drop by a single lump sum 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.0105.11	Sanitary Sewer Inside Drop	LS

Payment is full compensation for labor, coring of existing manhole, and all materials, including piping, fittings, drop bowl, and brackets.

110. Temporary Sanitary Sewer Bypass, Item SPV.0105.12.

A Description

This special provision describes the temporary bypass of sewage material necessary during sanitary sewer construction operations.

B Materials

Furnish materials conforming to standards as specified in the latest edition of "City of Mequon Standard Specifications for Land Development."

C Construction

Enact the method(s) in the Bypass Plan as approved by The City of Mequon.

D Measurement

The department will measure Temporary Sanitary Sewer Bypass by a single lump sum 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.0105.12	Temporary Sanitary Sewer Bypass	LS

Payment is full compensation for preparation of an approved bypass plan, installation, operation, and removal of items needed to properly bypass the sewage flow, traffic control, labor, and all materials, including pumps, piping, connections, fittings, and other appurtenances.

111. **Trnspt & Install State Furn Traffic Signal Cabinet STH 100 & N Deerbrook Trl, Item SPV.0105.61;**
Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & STH 100, Item SPV.0105.62;
Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & N Deerwood Dr, Item SPV.01005.63;
Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & W Schroeder Dr, Item SPV.0105.64;
Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & Donges Bay Rd, Item SPV.0105.65.

A Description

This special provision describes the transporting and installing of department furnished materials for traffic signals.

B Materials

Use materials furnished by the department including: the traffic signal controller and the traffic signal cabinet.

Pick up the department furnished materials at the department's Electrical Shop located at 935 South 60th Street, West Allis. Notify the department's Electrical Field Unit at (414) 266-1170 and make arrangements for picking up the department furnished materials 5 working days prior to picking the materials up.

Provide all other needed materials in conformance with standard spec 651.2, 652.2, 653.2, 654.2, 655.2, 656.2, 657.2, 658.2 and 659.2.

C Construction

Perform work according to standard spec 651.3, 652.3, 653.3, 654.3, 655.3, 656.3, 657.3, 658.3 and 659.3 except as specified below.

Request a signal inspection of the completed signal installation to the engineer at least five (5) working days prior to the time of the requested inspection. The departments' Region Electrical personnel will perform the inspection.

Coordinate directly with the department's traffic signal cabinet vendor {TAPCO at (262) 814-7327 or rickk@tapconet.com / TCC at (651) 439-1737 or mallwood@trafficcontrolcorp} to schedule the cabinet acceptance testing. Coordinate with the department's Electrical Field Unit at (414) 266-1170 to participate in the acceptance testing. The department has final determination of the cabinet acceptance testing date and time.

D Measurement

The department will measure Transport and Install Traffic Signal Cabinet [Location] as a single lump sum unit of work, in place 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
SPV.0105.61	Trnspt & Install State Furn Traffic Signal Cabinet STH 100 & N Deerbrook Trl	LS
SPV.0105.62	Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & STH 100	LS
SPV.0105.63	Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & N Deerwood Dr	LS
SPV.0105.64	Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & W Schroeder Dr	LS
SPV.0105.65	Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & Donges Bay Rd	LS

Payment is full compensation for transporting and installing the traffic signal controller and the traffic signal cabinet; for furnishing and installing all other items necessary (such as, wire nuts, splice kits and/or connectors, tape, insulating varnish, ground lug fasteners, etc.) to make the proposed system complete from the source of supply to the most remote unit and for clean-up and waste disposal.

112. **Trnspt Traffic Signals & Inter Lighting Materials STH 100 & N Deerbrook Trl, Item SPV.0105.66;**
Trnspt Traffic Signals & Inter Lighting Materials STH 57 & STH 100, Item SPV.0105.67;
Trnspt Traffic Signals & Inter Lighting Materials STH 100 & N Kildeer Ct, Item SPV.0105.68;
Trnspt Traffic Signals & Inter Lighting Materials STH 57 & N Deerwood Dr, Item SPV.0105.69;
Trnspt Traffic Signals & Inter Lighting Materials STH 57 & W Schroeder Dr, Item SPV.0105.70;
Trnspt Traffic Signals & Inter Lighting Materials STH 57 & Donges Bay Rd, Item SPV.0105.71.

A Description

This special provision describes the transporting of department furnished monotube poles, monotube arms, and monotube luminaire arms.

B Materials

Transport materials furnished by the department including: Monotube poles, monotube arms and monotube luminaire arms (to be installed on monotube assemblies).

Pick up the department furnished materials at the department's Electrical Shop located at 935 South 60th Street, West Allis. Notify the department's Electrical Field Unit at (414) 266-1170 and make arrangements for picking up the department furnished materials 5 working days prior to picking the materials up.

Provide all other needed materials in conformance with standard spec 651.2, 652.2, 653.2, 654.2, 655.2, 656.2, 657.2, 658.2 and 659.2.

C Construction

Perform work according to standard spec 651.3, 652.3, 653.3, 654.3, 655.3, 656.3, 657.3, 658.3 and 659.3.

D Measurement

The department will measure Trnspt Traffic Signals & Inter Lighting Materials [Location] as a single lump sum unit of work, in place 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
SPV.0105.66	Trnspt Traffic Signals & Inter Lighting Materials STH 100 & N Deerbrook Trl	LS
SPV.0105.67	Trnspt Traffic Signals & Inter Lighting Materials STH 57 & STH 100	LS
SPV.0105.68	Trnspt Traffic Signals & Inter Lighting Materials STH 100 & N Kildeer Ct	LS
SPV.0105.69	Trnspt Traffic Signals & Inter Lighting Materials STH 57 & N Deerwood Dr	LS
SPV.0105.70	Trnspt Traffic Signals & Inter Lighting Materials STH 57 & W Schroeder Dr	LS
SPV.0105.71	Trnspt Traffic Signals & Inter Lighting Materials STH 57 & Donges Bay Rd	LS

Payment is full compensation for transporting the monotube poles, monotube arms and monotube luminaire arms (to be installed on monotubes). Installation of these materials is included under a separate pay item.

113. **Trnspt & Install State Furn EVP Heads STH 100 & N Deerbrook Trl, Item SPV.0105.72;**
Trnspt & Install State Furn EVP Heads STH 57 & STH 100, Item SPV.0105.73;
Trnspt & Install State Furn EVP Heads STH 100 & N Kildeer Ct, Item SPV.0105.74;
Trnspt & Install State Furn EVP Heads STH 57 & N Deerwood Dr, Item SPV.0105.75;
Trnspt & Install State Furn EVP Heads STH 57 & W Schroeder Dr, Item SPV.0105.76;
Trnspt & Install State Furn EVP Heads STH 57 & Donges Bay Rd, Item SPV.0105.77.

A Description

This special provision describes the transporting and installing of department furnished Emergency Vehicle Preemption (EVP) Detector Heads and mounting brackets at STH 100 & N Deerbrook Trl, STH 57 & STH 100, STH 100 & N Kildeer Ct, STH 57 & N Deerwood Dr, and STH 57 & W Schroeder Dr.

B Materials

Pick up the department furnished materials at the department's Electrical Shop located at 935 South 60th Street, West Allis. Notify the department's Electrical Field Unit at (414) 266-1170 and make arrangements for picking up the department furnished materials 5 working days prior to picking the materials up.

C Construction

Install the EVP detector heads as shown on the plans. The department will determine the exact location to ensure that the installation does not create a sight obstruction. Mount the EVP detector heads and wire them per manufacturer instructions. For a cabinet that is not operating the signal, the contractor will terminate the ends and install the discriminators and card rack in the cabinet. If the cabinet is operating the signal, the cabinet wiring will be done by the department

Notify the department's Electrical shop at (414) 266-1170 upon completion of the installation of the Emergency Vehicle Preemption (EVP) Detector Heads.

D Measurement

The department will measure transporting and installing of department furnished Emergency Vehicle Preemption (EVP) Detector Heads as a single lump sum unit of work, in place 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
SPV.0105.72	Trnspt & Install State Furn EVP Heads STH 100 & N Deerbrook Trl	LS
SPV.0105.73	Trnspt & Install State Furn EVP Heads STH 57 & STH 100	LS
SPV.0105.74	Trnspt & Install State Furn EVP Heads STH 100 & N Kildeer Ct	LS
SPV.0105.75	Trnspt & Install State Furn EVP Heads STH 57 & N Deerwood Dr	LS
SPV.0105.76	Trnspt & Install State Furn EVP Heads STH 57 & W Schroeder Dr	LS
SPV.0105.77	Trnspt & Install State Furn EVP Heads STH 57 & Donges Bay Rd	LS

Payment is full compensation for transporting and installing of department furnished Emergency Vehicle Preemption (EVP) Detector Heads and mounting brackets.

- 114. Trnsprt and Install S-F FO Cable Pigtail 8-CT STH 100 & N Deerbrook Trl, Item SPV.0105.79;**
Trnsprt and Install S-F FO Cable Pigtail 8-CT STH 57 & STH 100, Item SPV.0105.80;
Trnsprt and Install S-F FO Cable Pigtail 8-CT STH 57 & N Deerwood Dr, Item SPV.0105.81;
Trnsprt and Install S-F FO Cable Pigtail 8-CT STH 57 & W Schroeder Dr, Item SPV.0105.82.

A Description

This special provision describes the transporting and installing of fiber optic cable pigtail 8-ct in traffic signal cabinets.

B Materials

The department will furnish the pre-terminated fiber optic patch panel. The material will be provided with the traffic signal cabinet. The patch panel will have a pre-terminated fiber optic cable pigtail. Provide all patch panel attachment hardware.

C Construction

Install the patch panel on the side of the traffic signal cabinet opposite the electrical service at a location as approved by the engineer. Install the pre-terminated fiber optic cable in conduit from the patch panel to the communication vault as specified in standard spec 678.3.1. Fiber optic cable ends shall be covered securely to protect open ends during installation in raceways. Leave the remainder of the fiber optic cable coiled in the communication vault.

D Measurement

The department will measure Transport and Install State Furnished FO Cable Pigtail 8-Ct [Location] as a single lump sum unit and 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.0105.79	Trnsprt and Install S-F FO Cable Pigtail 8-CT STH 100 & N Deerbrook Trl	LS
SPV.0105.80	Trnsprt and Install S-F FO Cable Pigtail 8-CT STH 57 & STH 100	LS
SPV.0105.81	Trnsprt and Install S-F FO Cable Pigtail 8-CT STH 57 & N Deerwood Dr	LS
SPV.0105.82	Trnsprt and Install S-F FO Cable Pigtail 8-CT STH 57 & W Schroeder Dr	LS

Payment is full compensation for transporting and installing pre-terminated patch panels; furnishing and installing attachment hardware; and cleaning up and disposing of waste.

115. Trnsprt and Install S-F Radar Detection System STH 100 & N Deerbrook Trl, Item SPV.0105.83.

A Description

This special provision describes the transporting and installing of department furnished Radar Detection System on monotube poles or arms as the plans show and as follows.

B Materials

Pick up the department furnished Radar System at the department's electrical shop located at 935 South 60th Street, West Allis. Notify the department's electrical field unit (EFU) at (414) 266-1170 to make arrangements for picking up the department furnished materials at least 5 working days prior to material pick-up.

C Construction

Install the department furnished pole/arm mounting brackets, extension arms (if required), and radar units per manufacturer recommendations in the locations determined by the department.

Install the power and communication cable to run continuously (without splices) from the traffic signal cabinet to the pole handhole plus an additional 16-feet in each pull box and an extra 10-feet in the pole handhole. Install the detector unit cable whip from the detector unit to the pole handhole. Splice the detector unit cable whip to the power and communication cable in the pole handhole using the provided junction box.

Mark each end of the lead in the traffic signal cabinet and each cable in the pole handhole to indicate the equipment label (i.e. RA1, RA2, etc.) on the plans. For a cabinet that is not operating the signal, the contractor will terminate the ends. If the cabinet is operating the signal, the cabinet wiring will be done by the department.

Notify department's Electrical Shop at (414) 266-1170 upon completion of the installation and aiming of the radar units.

The department will provide the vendor's contact information. Coordinate directly with the department's radar detection system vendor to arrange for the vendor to program the radar detection system on site. Notify the department and vendor at least five working days prior to the date of programming. Assist the department and vendor with fine adjusting of the radar units during the radar system programming, if necessary.

D Measurement

The department will measure Transporting and Installing State Furnished Radar Detection System [Location] as a single lump sum unit of work for each intersection, 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.0105.83	Trnsprt and Install S-F Radar Detection System STH 100 & N Deerbrook Trl	LS

Payment is full compensation for transporting and installing the radar detection system, cable, mounting hardware, and radar units; and assisting the department and vendor during the radar system programming.

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116. Temporary EVP System STH 57 SB Ramps & STH 100, Item SPV.0105.84; Temporary EVP System STH 57 & STH 100, Item SPV.0105.85; Temporary EVP System STH 57 & N Deerwood Dr, Item SPV.0105.86; Temporary EVP System STH 57 & W Schroeder Dr, Item SPV.0105.87.

A Description

This special provision describes furnishing, installing, and maintaining temporary EVP systems at the temporary signalized intersection as shown in the plans.

B Materials

Furnish an emergency vehicle preemption system compatible with the local municipality systems and users.

C Construction

The Temporary EVP System, as shown in the temporary traffic signal plans or as directed by the engineer, shall be complete in place, tested, and in full operation during each stage and sub-stage of construction.

Install the temporary EVP system as shown in the plans and according to the manufacturer's recommendations. Determine a suitable location for the temporary EVP detectors for each stage and sub-stage of construction. Detectors may be mounted on the temporary traffic signal span wire or wood poles. Relocate the temporary EVP detectors to a suitable location if construction activities and/or construction staging changes impede the detector operation. Arrange for testing of equipment prior to acceptance of the installation for each construction stage.

All cables associated with the temporary EVP system shall be routed to the cabinet. Each lead shall be appropriately marked as to which EVP channel it is associated.

Periodic adjustment and/or moving of the temporary EVP detectors may be required due to changes in traffic control, staging, or other construction operations.

Ensure that the temporary EVP system stays in clean working order. Periodic cleaning of the equipment may be required due to dirt and dust build-up.

Remove the temporary EVP system upon project completion.

Provide the engineer records of all EVP settings used during construction.

D Measurement

The department will measure Temporary EVP System [Location] as a single lump sum unit and 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.0105.84	Temporary EVP System STH 57 SB Ramps & STH 100	LS
SPV.0105.85	Temporary EVP System STH 57 & STH 100	LS

SPV.0105.86	Temporary EVP System STH 57 & N Deerwood Dr	LS
SPV.0105.87	Temporary EVP System STH 57 & W Schroeder Dr	LS

Payment is full compensation for furnishing and installing all required equipment, materials, and supplies; for maintaining and changing the EVP detectors to match the plans, traffic control, and construction staging; for relocating the temporary EVP detectors due to construction activities, if required; for testing the EVP system for each stage and sub-stage of construction; for periodically cleaning all temporary EVP detectors; for removing the temporary EVP system; and for cleaning up and properly disposing of waste.

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117. Covering Traffic Signal Equipment STH 100 & Deerbrook Tr, Item SPV.0105.88.

A Description

This special provision describes covering existing permanent traffic signal equipment during construction.

B Materials

Hood materials shall be burlap, canvas, nylon or other materials approved by the engineer and black in color. Plastic trash bags or similar materials are not acceptable. The hood shall cover the entire face of the traffic signal head to the rim of the backplate, if present, and completely cover the pedestrian push button and pedestrian push button sticker and/or sign. The hoods must not damage the existing traffic signal equipment.

The hoods must be securely fastened to the existing traffic signal equipment with nylon rope, straps or other materials approved by the engineer. Tape or similar materials are not acceptable. The straps must not damage the existing traffic signal equipment.

C Construction

Hood the permanent traffic signal heads immediately upon the installation of the equipment. Cover the entire face of the signal head to the rim of the backplate and cover the pedestrian push button and pedestrian push button sticker and/or sign with the approved cover materials. Securely fasten the hood to the existing traffic signal equipment with the approved materials. Ensure that the traffic signal indications are not visible.

The covers shall be permanently left in place at project completion and are to be removed by others.

D Measurement

The department will measure Covering Traffic Signal Equipment (Location), furnished, installed, and completely operational, as a single complete unit of work per intersection, complete in place 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
SPV.0105.88	Covering Traffic Signal Equipment STH 100 & Deerbrook Tr	LS

Payment is full compensation for furnishing and installing covers for all traffic signal heads.

118. Construction Staking Sidewalk, Item SPV.0165.01.

A Description

This special provision describes contractor-performed construction staking to establish the horizontal and vertical position for sidewalk conforming to standard spec 105.6 and 650 and as follows.

B (Vacant)

C Construction

C.1 General

Use methods that conform to standard spec 650.3.

Maintain neat, orderly and complete survey notes and computations used in establishing the lines and grades. Make the survey notes and computations available to the engineer within 24 hours upon request as the work progresses.

C.2 Sidewalk

Place construction stakes for concrete sidewalk at intervals of 25 feet. A minimum of two stakes per cross section is required. Set and maintain as necessary additional stakes per cross section to achieve the required accuracy and to satisfy the method of operations. Set additional stakes as necessary to establish location and grade along intersecting road radii; and for auxiliary lanes. Locate all concrete sidewalk construction stakes to within 0.02 foot of the true horizontal position and establish the grade elevation to within 0.01 foot of the true vertical position.

D Measurement

The department will measure Construction Staking Sidewalk by the square foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.01	Construction Staking Sidewalk	SF

Payment is full compensation for locating and setting all construction stakes and for relocating and resetting damaged or missing construction stakes. Standard spec 650.5.(2) applies for final payment.

SER-650-002 (20170622)

119. PPC Beam Surface Repair, Item SPV.0165.30.

A Description

This special provision describes removing deteriorated concrete from surfaces of precast pretensioned concrete beams at locations designated in the plans and as designated by the engineer and replacing it with a polymer modified Portland cement mortar.

B Materials

Provide a polymer modified Portland cement mortar meeting the following requirements:

- Have a corrosion inhibitor additive.
- A workable mix capable of bonding and holding its own plastic weight, when mixed and placed according to manufacturer instructions, on vertical and overhead surfaces.
- A minimum compressive strength of 1,500 psi at 24 hours, 3,500 psi at 3 days, and 5,000 psi at 28 days; according to ASTM C 109.
- Have a minimum bond strength of 2,000 psi at 28 days.
- Have a water-soluble chloride ion content of less than 0.40 lb/cu yd. The test shall be performed according to ASTM C 1218, and the mortar shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every two years, and the test results shall be provided to the department.

C Construction

Perform the work according to the requirements of standard spec 509.3.7 and as specified herein. Remove all deteriorated concrete to sound material. The repair depth shall be a minimum of 3/8 inches. Take necessary precautions while removing deteriorated concrete to preserve all existing reinforcing steel and prestressing strands. At locations where reinforcing steel is exposed due to deteriorated and/or spalled concrete, remove concrete to a minimum depth of 1/2 inch behind the steel. Do not remove concrete behind prestressing strands except if it is heavily deteriorated.

Abrasive blast clean concrete and exposed steel reinforcement and prestressing strands against which repair mortar will be placed.

Use chipping hammers for removing concrete that are a light-duty pneumatic or electric tool with a 15-pound class or less. Use blast cleaning equipment for concrete surface preparation of the abrasive type with equipment having oil traps.

Power wash using water pressure between 1,200 psi to 2,000 psi to remove all chlorides, dust and loose materials, and any bond inhibiting materials from the prepared surface.

After power washing, coat the blast cleaned surfaces of steel reinforcement and prestressing strands with zinc rich paint.

Just prior to mortar placement, saturate the repair surface with water to a saturated surface-dry condition.

Mix and place the polymer modified Portland cement mortar according to the manufacturer's instructions. Place and finish mortar to the contours of the member, as originally constructed. Do not place the mortar when the air temperature is below 45° F and falling below 40° F. Do not place mortar when the surface temperature of the repair area is less than 40° F. Do not place mortar when the air temperature is greater than 90° F. Ensure mortar has a minimum temperature of 50° F and a maximum temperature of 90° F.

Apply cotton mats for curing the exposed layer of mortar within 10 minutes after finishing and begin wet curing immediately. Maintain curing for a minimum of 3 days. If temperatures below 45° F are forecast during the curing period, provide protection methods during the curing period.

Provide ladders or other appropriate equipment for the engineer to inspect repaired areas. After curing but no sooner than 28 days after placement of the mortar, examine the repair in the presence of the engineer for conformance with original dimensions, cracks, and delaminations. Perform sounding for delaminations with a hammer or by other methods determined by the engineer. Remove and replace repaired areas of mortar as determined by the engineer for delaminations or surface cracks greater than 0.01 inches in width.

D Measurement

The department will measure PPC Beam Surface Repair by the square foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.30	PPC Beam Surface Repair	SF

Payment is full compensation for completing all work including saw cutting, removing concrete; abrasive blasting, preparing surfaces; furnishing, applying and curing the repair mortar; and cleanup.

120. Excavation, Hauling, and Disposal of Creosote Contaminated Soil, Item SPV.0195.01.

A Description

A.1 General

This special provision describes excavating, stockpiling for testing, loading, hauling, and disposing of creosote contaminated soil at a landfill. The closest landfills to the project would be the following:

Orchard Ridge Secure Landfill	WMWI - Metro Recycling & Disposal
W124N9355 Boundary Road	10712 S 124th St
Menomonee Falls, WI 53051	Franklin, WI 53132

Perform this work according to standard spec 205 and with pertinent parts of 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 Location(s)

The department assumes that soil in the immediate vicinity of pre-existing creosote treated wooden bridge piles is contaminated due to exposure to residual wood preservatives. Due to structural impediments, representative analytical testing of this soil is not practical prior to bridge demolition and subsequent structure excavation. As such, the soil located in the following locations and as shown of the plans will require temporary stockpiling within the right-of-way and analytical testing for landfill acceptance:

1. Station 119+75 to 120+06 from 54 feet LT of centerline to 49 feet RT of centerline from approximately 5.5 to 18.5 feet below ground surface. Soil at this location is contaminated with residual creosote-based wood preservatives. Approximately 919 cubic yards (approximately 1,562 tons at an estimated 1.7 tons per cubic yard) of contaminated soil will be excavated from this location.
2. Station 120+17 to 120+37 from 54 feet LT of centerline to 49 feet RT of centerline from approximately 4 to 5 feet below ground surface. Soil at this location is contaminated with residual creosote-based wood preservatives. Approximately 67 cubic yards (approximately 114 tons at an estimated 1.7 tons per cubic yard) of contaminated soil will be excavated from this location.
3. Station 120+68 to 120+89 from 54 feet LT of centerline to 49 feet RT of centerline from approximately 4 to 5 feet below ground surface. Soil at this location is contaminated with residual creosote-based wood preservatives. Approximately 67 cubic yards (approximately 114 tons at an estimated 1.7 tons per cubic yard) of contaminated soil will be excavated from this location.
4. Station 121+19 to 121+40 from 54 feet LT of centerline to 49 feet RT of centerline from approximately 4 to 5 feet below ground surface. Soil at this location is contaminated with residual creosote-based wood preservatives. Approximately 67 cubic yards (approximately 114 tons at an estimated 1.7 tons per cubic yard) of contaminated soil will be excavated from this location.
5. Station 121+50 to 121+81 from 54 feet LT of centerline to 49 feet RT of centerline from approximately 5.5 to 19.5 feet below ground surface. Soil at this location is contaminated with residual creosote-based wood preservatives. Approximately 990 cubic yards (approximately 1,683 tons at an estimated 1.7 tons per cubic yard) of contaminated soil will be excavated from this location.

For further information regarding the handling and disposal of this contaminated soil material please contact:

Name: Andrew Malsom
Address: 141 NW Barstow St. Waukesha, WI 53187
Phone: (262) 548-6705
E-mail: Andrew.Malsom@dot.wi.gov

A.3 Coordination

Coordinate work under this contract with the environment consultant:

Consultant: Ramboll
Address: 234 W. Florida Street, Fifth Floor, Milwaukee, WI 53204
Contact: Mark Walter, PE
Phone: (414) 837-3563 office, (608) 220-2480 cell
E-mail: mark.walter@ramboll.com

The role of the environmental consultant will be limited to:

1. Determining the location and limits of contaminated soil as expressed on the project plans and described in the special provisions;
2. Providing field support during excavation activities;
3. Coordinating lab testing for landfill acceptance;
4. Identifying contaminated soils to be hauled to the landfill;
5. Obtaining landfill permitting and documentation of proper landfill disposal; and
6. Documenting that activities associated with management of contaminated soil are in conformance with the contaminated soil management methods for this project as specified herein.

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 treated wood pilings to the environmental consultant. Also notify the environmental consultant at least three calendar days prior to commencement of 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 areas of treated wood pilings. Perform excavation work in each of the contaminated areas on a continuous basis until excavation work is completed.

Identify the landfill that will be used for disposal of contaminated soils and provide this information to the environmental consultant no later than 30 calendar days prior to commencement of 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. 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 Polycyclic aromatic hydrocarbons (PAHs) and Semi-volatile organic compounds (SVOCs). 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 prior to 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 soil excavated.

Excavate the contaminated soil in the areas shown in the plan. Stockpile the material within the project footprint on DOT right-of-way, pending lab results and landfill acceptance. Construct and maintain a temporary stockpile of the material according to NR 718.05(3), including, but not limited to, placement of the contaminated soil/fill material on an impervious surface and covering the stockpile with impervious material to prevent infiltration of precipitation.

The environmental consultant will coordinate analytical testing of contaminated soil for landfill acceptance. Five business days should be allowed for the laboratory to conduct this testing and issue results. In the event the laboratory analytical test results do not indicate contamination is present, the stockpiled material may be considered common excavation and can be handled according to the erosion control implementation plan (ECIP).

Once landfill acceptance permitting is complete, directly load and haul soils to the landfill as directed by the environmental consultant. Use loading and hauling practices that are appropriate to prevent any spills or releases of contaminated soils or residues. Prior to transport, sufficiently dewater soils designated for off-site bioremediation so as not to contain free liquids. Verify that the vehicles used to transport contaminated material are licensed for such activity according to applicable state and federal regulations.

When material is encountered outside the above-identified limits of assumed contamination that appears to have been impacted with petroleum or chemical products, or when other obvious potentially contaminated materials are encountered or material exhibits characteristics of industrial-type wastes, such as fly ash, foundry sand, and cinders, or when underground storage tanks are encountered, suspend excavation in that area and notify the engineer and the environmental consultant.

Groundwater may be present within the construction limits. Water generated during dewatering operations (if necessary) is expected to be permitted to discharge to the surface except in the contaminated areas. Contaminated groundwater generated from dewatering activities within the contaminated areas may exceed the surface water discharge limits for petroleum compounds specified in the DNR's "General Permit to Discharge under the Wisconsin Pollutant Discharge Elimination System" for "Contaminated Groundwater from Remedial Action Operations" (WPDES Permit No. WI-0046566-5), Table 3.1.

If dewatering is required in an area of observed contamination, water generated from dewatering activities may contain PAHs, SVOCs, and Metals. Such water may, with approval of the Village of Brown Deer publicly owned treatment works (POTWs), be discharged to the respective sanitary system as follows:

1. Meet all applicable requirements of Village of Brown Deer's POTWs including the control of suspended solids. Perform all necessary monitoring to document compliance with Villages of Mount Pleasant or Caledonia POTWs requirements. Furnish, install, operate, maintain, disassemble, and remove treatment equipment necessary to comply with Villages of Mount Pleasant or Caledonia POTWs requirements.
2. Ensure continuous dewatering and excavation safety at all times. Provide, operate, and maintain adequate pumping equipment and drainage and disposal facilities.
3. 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 statutes, judiciary decisions, and regulations of the State of Wisconsin.

Costs for this dewatering and disposing of contaminated water are incidental to the contract.

Employ construction methods and techniques in a manner that will minimize the need for dewatering, and if dewatering is required, minimize the volume of water generated. Take measures to limit groundwater, surface water, and precipitation from entering and exiting excavations in the areas of contamination. Such measures, which may include berming, ditching, or other means, shall be maintained until construction of utilities in the areas of contamination are complete.

Ensure continuous dewatering and excavation safety at all times. 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 statutes, judiciary decisions, and regulations of the State of Wisconsin.

D Measurement

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

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.01	Excavation, Hauling, and Disposal of Creosote Contaminated Soil	TON

Payment is full compensation for excavating, stockpiling (including contractor-provided plastic sheeting to cover as well as place the material on), loading, and hauling the contaminated soil to a landfill; obtaining solid waste collection and transportation service operating licenses; and dewatering of soils prior to transport, if necessary.

121. Joint And Crack Repair, Item SPV.0195.02.

A Description

This special provision describes providing HMA for Joint and Crack Repair in existing pavement as the plans show and as follows.

B Materials

Furnish HMA pavement meeting the requirements for mixture LT or MT as specified in standard spec 465.2; except the engineer will not require the contractor to conform to the quality management program in 460.2.8. Furnish tack coat conforming to standard spec 455.2.5.

C Construction

Clean out all joints and cracks removing all loose and spalled concrete and all HMA patches. Dispose of all material off the project. Place asphaltic tack coat in the void. Fill voids with HMA pavement and machine compact.

D Measurement

The department will measure Joint and Crack Repair by the ton, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.02	Joint and Crack Repair	TON

Payment is full compensation for removing, cleaning, and properly disposing of all loose and spalled concrete and HMA patches; for providing and applying tack coat, and for providing, placing and compacting HMA pavement.

SER-460-001 (20170502)

**ADDITIONAL SPECIAL PROVISION 1 (ASP 1)
FOR TRANSPORTATION ALLIANCE FOR NEW SOLUTIONS (TrANS)
PROGRAM EMPLOYMENT PLACEMENTS AND APPRENTICESHIPS**

The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), Section 5204(e) – Surface Transportation Workforce Development Training and Education, provides for 100 percent Federal funding if the core program funds are used for training, education, or workforce development purposes, including “pipeline” activities. The core programs includes: Congestion Mitigation and Air Quality Improvement (CMAQ) Program, Highway Bridge Program (HBP), Interstate Maintenance (IM), National Highway System (NHS), and Surface Transportation Program (STP). These workforce development activities cover surface transportation workers, including OJT/SS programs for women and minorities as authorized in 23 U.S.C. §140(b).

TrANS is an employment program originally established in 1995 in Southeastern Wisconsin. Currently TrANS has expanded to include TrANS program locations to serve contractors in Southeast (Milwaukee and surrounding counties), Southcentral (Dane County and surrounding counties including Rock County), and most Northeastern Wisconsin counties from locations in Keshena, Rhinelander and surrounding far Northern areas. TrANS attempts to meet contractor’s needs in other geographic locations as possible. It is an industry driven plan of services to address the outreach, preparation, placement and retention of women, minorities and non-minorities as laborers and apprentices in the highway skilled trades. These candidate preparation and contractor coordination services are provided by community based organizations. For a list of the TrANS Coordinators contact the Disadvantaged Business Enterprise Office at (414) 438-4583 in Milwaukee or (608) 266-6961 in Madison. These services are provided to you at no cost.

I. BASIC CONCEPTS

Training reimbursements to employing contractors for new placements, rehires or promotions to apprentice of TrANS Program graduates will be made as follows:

- 1) **On-the-Job Training, Item ASP.1T0G, ASP 1 Graduate.** At the rate of \$5.00 per hour on federal aid projects when TrANS graduates are initially hired, or seasonally rehired, as unskilled laborers or the equivalent.

Eligibility and Duration: To the employing contractor, for up to 2000 hours from the point of initial hire as a TrANS program placement.

Contract Goal: To maintain the intent of the Equal Employment Opportunity program, it is a goal that 8 (number) TrANS Graduate(s) be utilized on this contract.

- 2) **On-the-Job Training, Item ASP.1T0A, ASP 1 Apprentice.** At the rate of \$5.00 per hour on federal aid projects at the point when an employee who came out of the TrANS Program is subsequently entered into an apprenticeship contract in an underutilized skilled trade (this will include the Skilled Laborer Apprenticeship when that standard is implemented).

Eligibility and Duration: To the employing contractor, for the length of time the TrANS graduate is in apprentice status.

Contract Goal: To maintain the intent of the Equal Employment Opportunity program, it is a goal that 8 (number) TrANS Apprentice(s) be utilized on this contract.

- 3) The maximum duration of reimbursement is two years as a TrANS graduate plus time in apprentice status.
- 4) If a TrANS program is not available in the contractor's area and another training program is utilized, payment of On-the-Job Training hours may be approved by the Wisconsin Department of Transportation (WisDOT) if the training program meets the established acceptance criteria. Only On-the-Job Training Hours accumulated after WisDOT approval will be reimbursed as specified under Items ASP.1T0G and ASP.1T0A. For more information, contact the Disadvantaged Business Enterprise Office at the phone numbers listed above.
- 5) WisDOT reserves the right to deny payments under items ASP.1T0G and ASP.1T0A if the contractor either fails to provide training or there is evidence of a lack of good faith in meeting the requirements of this training special provision.

II. RATIONALE AND SPECIAL NOTE

The \$5.00 per hour now being paid for TrANS placements is intended to cover the duration of two years to allow for reaching entry-level laborer status. An additional incentive, the \$5.00 rate, would promote movement into the underutilized skilled trades' apprenticeships and applies until the individual completes their apprenticeship. These incentives benefit TrANS candidates by giving them a better opportunity to enter a skilled trade; benefits contractors who will be assisted in meeting their EEO profiles and goals; and benefits the public who will see the program reinforce larger public-private employment reform in Wisconsin. The pool of TrANS graduates was created for the purpose of addressing underutilization in the skilled trades, an objective that is further reinforced by a parallel retention pilot program, known as the Companywide Reporting. *Whether or not reimbursement is involved, the WisDOT reassures contractors who are in the Companywide Program that TrANS placements still contribute toward fulfilling the new hire goal of 50% women and minorities.* Based on data administered by United States Department of Labor (US DOL), the highway skilled trades remain underutilized for women statewide (less than 6.9%); and for minorities in all counties (% varies by county).

NOTE: *Unless using other advancement strategies, contractors are encouraged to use some or all of this monetary incentive to offset the cut in hourly wages an individual may incur when entering an apprenticeship if the full general laborer hourly rate has been previously paid. No special accounting measures are required.*

III. IMPLEMENTATION

The implementation of ASP 1 is intended to cover only the amount of time it takes for underutilization to be resolved across the trades. This will be measured annually at the county and/or state levels using data administered by WisDWD in relation to goals set by the USDOL-

OFCCP. With appropriate state and federal approvals, we may also do some measurement at the company level.

It is the contractor's responsibility to note on their Certified Payrolls if their employee is a TrANS graduate or a TrANS apprentice. The District EEO Coordinators utilize the information on the Certified Payrolls to track the hours accumulated by TrANS Graduates and TrANS apprentices on WisDOT contracts. Payment under this ASP 1 is made based on the hours recorded off of the Certified Payrolls. Tracking may eventually include improved linkages with the WisDWD apprentice database, information from company and committee level sources.

TrANS is nondiscriminatory by regulation, and is a tool for optional use by contractors to address the underutilization of women and minorities as laborers and apprentices in our industry's skilled trades.

IV. TRANS TRAINING

As part of the contractor's equal employment opportunity affirmative action program, training shall be provided to employees enrolled in apprenticeship and on-the-job training programs as follows:

The contractor shall provide on-the-job training aimed at developing full journey workers in the type of trade or job classifications involved. In the event the contractor subcontracts a portion of the contract work, the contractor shall determine how many, if any, of the trainees are to be trained by the subcontractor provided, however, that the contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The contractor shall also insure that this training special provision is made applicable to such subcontract.

Training and upgrading of minorities and women toward journey workers status is a primary objective of this training special provision. Accordingly, the contractor shall make every effort to enroll minority trainees and women (e.g., by conducting systematic and direct recruitment through public and private sources likely to yield minority trainees and women trainees); to the extent such persons are available within a reasonable area of recruitment. The contractor will be given an opportunity and will be responsible for demonstrating the steps that they have taken in pursuance thereof, prior to determination as to whether the contractor is in compliance with this training special provision. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journey workers status or in which they have been employed as a journey worker. The contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used, the contractor's records should document the findings in each case.

V. APPRENTICESHIP TRAINING

The Federal Highway Administration's (FHWA) policy is to require full use of all available training and skill improvement opportunities to assure increased participation of minority groups, disadvantaged persons and women in all phases of the highway construction industry. The FHWA On-the-Job Training (OJT) Program requires the State transportation agencies (STAs) to establish apprenticeships and training programs targeted to move women, minorities, and disadvantaged individuals into journey-level positions to ensure that a competent workforce is available to meet highway construction hiring needs, and to address the historical underrepresentation of members of these groups in highway construction skilled crafts.

The OJT Supportive Services (OJT/SS) Program was established in Title 23 Code of Federal Regulations (CFR), Part 230) to supplement the OJT program and support STA training programs by providing services to highway construction contractors and assistance to highway construction apprentices and trainees. The primary objectives of OJT/SS are:

- (1) To increase the overall effectiveness of the State highway agencies' approved training programs.
- (2) To seek other ways to increase the training opportunities for women, minorities, and disadvantaged individuals.

The STAs are responsible for establishing procedures, subject to the availability of Surface Transportation and Bridge Funds under 23 U.S.C. §140(b) (Nondiscrimination), for the provision of supportive services with respect to training programs approved under 23 CFR, Part 230(a) (Equal Employment Opportunity on Federal and Federal-aid Construction Contracts – including Supportive Services).

The contractor and subcontractor shall maintain records to demonstrate compliance with these apprenticeship requirements. Reasonable exemptions and modifications to and from any or all of these requirements will be determined by the Wisconsin Department of Transportation-Civil Rights Office. A request for an exemption or modification, with justification, shall be made in writing, addressed to WisDOT Civil Rights Office, 4802 Sheboygan Avenue, P.O. Box 7965, Rm. 451, Madison, WI 53707.

ADDITIONAL SPECIAL PROVISION 3

DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM IMPLEMENTATION

Authority

Wisconsin Department of Transportation (WisDOT) is a recipient of funds from the US Department of Transportation's Federal Highway Administration. The DBE program is a federal program applicable on all contracts administered by WisDOT that include federal-aid highway funds. The authority for the DBE program is the Transportation Bill as approved by Congress periodically. DBE program guidance and requirements are outlined in the Code of Federal Regulations at 49 CFR Part 26. This contract is subject to DBE provisions because it is financed with federal-aid-highway funds. Additionally, this contract is subject to the *State of Wisconsin Standard Specifications for Highway and Structure Construction* and all applicable contract documents.

Requirements

Pursuant to the federal DBE program regulation at 49 CFR Part 26, a contractor's failure to comply with any provision of the DBE program regulatory provisions will be considered a material breach of contract. This is nonnegotiable.

If a contractor fails to carry out the DBE program requirements and/or the Required Contract Provisions for Federal Aid Contracts (FHWA 1273) referenced in this document, sanctions will be assessed depending upon the facts, reasoning, severity, and remedial efforts of the contractor that may include: termination of contract, withholding payment, assessment of monetary sanctions, and/or suspension/debarment proceedings that could result in the disqualification of the contractor from bidding for a designated period of time.

- (1) At time of bid, ALL prime contractors must submit DBE Commitments on projects with DBE goals. The submittal of the DBE Commitments includes the DT1506 (Commitment to Subcontract to DBE), which can be attached as a PDF or entered digitally into the bid submittal and Attachments A OR quotes from all DBEs included on the Commitment. The prime contractor must submit a signed Attachment A via eSubmit (preferred) or the DBE Alert email box within 24-hours of the bid closing for all quotes submitted at the time of bid. If the assigned DBE contract goal is not met, Form DT1202 (Documentation of Good Faith Effort) and all supplemental DT1202 documentation is due within 24-hours of bid closing. Any change to DBE Commitments thereafter must follow modification of DBE subcontracting commitment (Section 9).
- (2) The Department requires this list of DBE subcontractors from all bidders at time of bid to ensure the lowest possible cost to taxpayers and fairness to other bidders and subcontractors. Bid shopping is prohibited.
- (3) The contractor must utilize the specific DBE firms listed in the approved DBE Commitment to perform the work and/or supply the materials for which the DBE firm is listed unless the contractor obtains written consent in advance from WisDOT. The contractor will not be entitled to payment for any work or materials on the approved DBE Commitment that is not performed or supplied by the listed DBE without WisDOT's written consent.

Description

The Wisconsin Department of Transportation is committed to the compliant administration of the DBE Program. The DBE provisions work in tandem with FHWA 1273 and WisDOT's *Standard Specifications for Highway and Structure Construction* and *Construction and Materials Manual*. The WisDOT Secretary is signatory to assurances of department-wide compliance.

The Department assigns the contract DBE goal as a percentage of work items that could be performed by certified DBE firms on the contract. The assigned DBE goal is expressed on the bid proposal as a percentage applicable to the total contract bid amount.

- (1) WisDOT identifies the assigned DBE goal in its contract advertisements and posts the contract DBE goal on the cover of the bidding proposal. The contractor can meet the assigned contract DBE goal by subcontracting work to a DBE firm or by procuring services or materials from a DBE firm.
- (2) Under the contract, the prime contractor should inform, advise, and develop participating DBE firms to be more knowledgeable contractors who are prepared to successfully complete their contractual agreement through the proactive provision of assistance in the following areas:
 - § Produce accurate and complete quotes
 - § Understand highway plans applicable to their work
 - § Understand specifications and contract requirements applicable to their work
 - § Understand contracting reporting requirements
- (3) The Department encourages contractors to assist DBE subcontractors more formally by participating in WisDOT's Business Development program as a mentor, coach, or resource. For comprehensive information on the Disadvantaged Business Enterprise Program, visit the Department's Civil Rights and Compliance Section website at: <http://wisconsindot.gov/Pages/doing-bus/civil-rights/dbe/default.aspx>

1. Definitions

Interpret these terms, used throughout this additional special provision, as follows:

- a. **Assigned DBE Contract Goal:** The percentage shown on the cover of the Highway Work Proposal that represents the feasible level of DBE participation for each contract. The goal is calculated using the Engineer's Estimate and DBE Interest Report. Goal assignment includes review of FHWA funds, analyzes bid items for subcontract opportunity and compatibility with DBE certified firm work codes. Additional factors considered include proximity, proportion, and regulations.
- b. **Bid Shopping:** In construction law, bid shopping is the practice of divulging a subcontractor's bid to another prospective contractor(s) before or after the award of a contract to secure a lower bid.
- c. **DBE:** Disadvantaged Business Enterprise – A for-profit small business concern where socially and economically disadvantaged individuals own at least a 51% interest and control management and daily business operations.
- d. **DBE Commitment:** The DBE Commitment is identified in the Commitment to Subcontract to DBE (Form DT1506) and is expressed as the amount of DBE participation the prime contractor has secured. The DT1506, a contract document completed by the bidder, is required to be considered a responsive bidder on an FHWA-funded contract that has an assigned DBE goal. The prime contractor will have the option to submit the DT1506 digitally, as an entry with the bid in Bid Express, or as an attachment to the bid.
- e. **DBE Utilization:** The actual participation of a DBE subcontractor on a project. WisDOT verifies DBE utilization through review of the DBE Commitment, payments to subcontractors, and contract documentation. The Prime Contractor receives DBE credit for payments made to the DBE firms performing the work listed on the approved DBE Commitment, and those submitted after approved commitment with Attachment A.
- f. **Good Faith Effort:** Legal term describing a diligent and honest effort taken by a reasonable person under the same set of facts or circumstances. For DBE subcontracting, the bidder must show that it took all necessary and reasonable steps to achieve the assigned DBE goal by the scope, intensity, and

appropriateness of effort that could reasonably be expected for a contractor to obtain sufficient DBE participation.

- g. **Manufacturer:** A firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract.
- h. **Reasonable Price:** Contractors are expected to assess reasonable price by analyzing the contract scope for DBE subcontract feasibility and comparing common line items in DBE and non-DBE subcontract quotes for the same work. Per federal regulation, reasonable price is not necessarily the lowest price.
- i. **Supplier:** A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles, or equipment required under the contract are bought, kept in stock, and regularly sold or leased to the public.
- j. **Tied quote:** Subcontractor quote that groups multiple bid/line items at a bundled/package price with a notation that the items within the quote will not be separated.

2. WisDOT DBE Program Compliance

a. Documentation Submittal

The Commitment to Subcontract to DBE (Form DT1506 or digital submittal), Attachments A OR quotes from all DBEs included in the Commitment will be submitted at bid by ALL prime contractors. If the assigned DBE contract goal is not met, Documentation of Good Faith Effort (Form DT1202) must be submitted within 24-hours of bid closing. Supplemental DT1202 documentation and signed Attachments A from DBEs included in the DBE Commitment are also due within 24-hours of bid closing. Form DT1202, supporting GFE documentation, and signed Attachments A, not submitted at the time of bid, must be submitted through eSubmit (preferred) or to the DBE Alert email box.

****Bidders have the option of submitting the DBE Commitment at the time of bid via direct entry through Bid Express OR with attachment of Form DT1506 (Commitment to Subcontract to DBE). The DBE Commitment entered with bid is the digital form of the DT1506. Separate submission of Form DT1506 is not required if the DBE Commitment is entered in Bid Express. Form DT1202, if applicable, is no longer required to be submitted at time of bid; submit DT1202 within the 24-hour supplemental time frame following bid closing.**

Naming conventions: Follow eSubmit [instructions](#), OR when emailing files, use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, GFE" and "Project #, Proposal #, Let date, Business Name, Attachment A" Email: DBE_Alert@dot.wi.gov

The DBE Office will not certify Good Faith Effort and the Bureau of Project Development will consider the bid nonresponsive if the contractor fails to furnish the DBE Commitment (digitally entered into the bid OR Form DT1506 as an attachment), Attachments A, and Form DT1202 if applicable, as required. See sample forms in the Appendix.

b. Verification of DBE Commitment

The documentation related to DBE subcontract commitment submitted prior to contract award is evaluated as follows:

(1) **DBE Goal Met**

If the bidder indicates that the contract DBE goal is met, the Department will evaluate the DBE Commitment submitted with bid OR Form DT1506, and Attachments A to verify the actual DBE

percentage calculation. If the DBE Commitment is verified, the contract is eligible for award with respect to the DBE Commitment.

(2) DBE Goal Not Met

- a) If the bidder indicates a bid percentage on the DBE Commitment that does not meet the assigned DBE contract goal, the bidder must request alternative evaluation of good faith effort through submission of Form DT1202 (Documentation of Good Faith Effort) within 24-hours of bid including narrative description. Supplementary documentation of good faith effort that supports the DT1202 submission is also due within 24-hours of bid submission and prior to bid posting. The Department will review the bidder's DBE Commitment and evaluate the bidder's good faith efforts submission.
- b) Following evaluation of the bidder's Good Faith Effort documentation the bidder will be notified that the Department intends to:
 1. *Approve* the request (adequate documentation of GFE has been submitted)- no conditions placed on the contract with respect to the DBE Commitment;
 2. *Deny* the request (inadequate documentation of GFE has been submitted)- the contract is viewed as non-responsive per Wisconsin Standard Specifications for Highway and Structure Construction and will not be executed.
- c) If the Department denies the bidder's request, the contract is ineligible for award. The Department will provide a written explanation for denying the request to the bidder. The bidder may appeal the Department's denial (see Section 4).

Supplemental good faith effort documentation must be submitted through eSubmit (preferred) OR to the DBE Office by email at: DBE_Alert@dot.wi.gov. Email naming convention: "Project #, Proposal #, Let date, Business Name, GFE"

3. Department's Criteria for Good Faith Effort Documentation

The Federal-aid Construction Contract Provision, referenced as FHWA-1273, explicitly states that the prime contractor shall be responsible for all work performed on the contract by piecework, station work, or subcontract. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of the contract including assurances of equal employment opportunity laws, DBE regulations, and affirmative action. Compliance encompasses responsible and responsive action, documentation, and good faith effort.

Contractually, all contractors, subcontractors, and service providers on the contract are bound by FHWA 1273 and DBE program provisions. **Prime contractors should encourage subcontractors to utilize DBE firms whenever possible to contribute to the assigned DBE contract goal.**

Bidders are required to document good faith effort. Per 49 CFR Part 26.53, good faith effort is demonstrated in one of two ways. The bidder:

- (1) Documents that it has obtained enough DBE participation to meet the goal; OR
- (2) Documents that it made adequate good faith efforts to meet the goal, even though it did not succeed

Appendix A of 49 CFR Part 26 provides guidance concerning good faith efforts. WisDOT evaluates good faith effort on a contract basis just as each contract award is evaluated individually.

The efforts employed by the bidder should be those that WisDOT can reasonably expect a bidder to take to actively and aggressively obtain DBE participation sufficient to meet the DBE contract goal. The Department will only approve demonstration of good faith effort if the bidder documents the quality, quantity, and intensity of the variety of activities undertaken that are commensurate with expected efforts to meet the stated goal.

The Department, in conjunction with industry stakeholders, has developed the following guidance for contractor good faith effort activity. The guidance and the attached appendices provide a framework for the actions required by all parties in the processing and evaluation of bidder's total efforts to achieve the project specific DBE goal prior to the bid letting date.

a. Solicitation Guidance for Prime Contractors:

- (1) Document all efforts and decisions made toward achieving the DBE goal on the contract. The bidder should use WisDOT-approved DBE outreach tools, including the UCP DBE Directory and the Bid Express Small Business Network to foster DBE participation on all applicable contracts.
- (2) As needed, request assistance with DBE outreach and follow-up by contacting the Department's DBE Support Services Office by phone or email request at least 14 days prior to the bid letting date. Phone numbers are (414) 438-4584 and/or (608) 267-3849; Fax: (414) 438-5392; E-mail: DBE_Alert@dot.wi.gov
- (3) Participate in and document a substantive conversation with at least one DBE firm per Let, to discuss questions, concerns, and any other contract related matters that may be applicable to the DBE firm. Guidelines for this conversation are provided in Appendix A of ASP-3.
- (4) Request quotes by identifying potential items to subcontract and solicit. In their initial contacts, contractors are strongly encouraged to include a single page, detailed list of items for which they are accepting quotes, by project, within a letting. *See attached sample entitled "Sample Contractor Solicitation Letter" in Appendix B.* Prime contractors should also indicate a willingness to accept quotes in areas they are planning to perform themselves, as required by federal rules. In some cases, it might be appropriate to use DBE firms to do work in a prime contractor's area of specialization.
 - i. Solicit quotes from certified DBE firms who match possible items to subcontract using all reasonable and available means. Additionally, forward copies of solicitations highlighting the work areas for which quotes are being sought to DBE_Alert@dot.wi.gov
 - ii. Acceptable outreach tools include SBN (Small Business Network, see Appendix C):
<https://www.bidx.com/wi/main>, postal mail, email, fax, and phone.
 - a. Contractors must ask DBE firms for a response in their solicitations. *See Sample Contractor Solicitation Letter, Appendix B.* This letter may be included as an attachment to the sub-quote request.
 - b. Solicit quotes at least 10 calendar days prior to the letting date to allow DBE firms sufficient time to respond. Prime contractors should contact DBE firms early, asking if they need help organizing their quote, assistance confirming equipment needs, or other assistance supporting their submission of a competitive quote for their services.
 - c. A follow up solicitation should take place within 5 calendar days of the letting date. Email and/or SBN are the preferred method for the solicitation.
 - iii. Upon request, provide interested DBE firms with adequate information about plans, specifications, and the requirements of the contract by letter, information session, email, phone call, and/or referral.
 - iv. When potential exists, the contractor should advise interested DBE firms on how to obtain bonding, line of credit, or insurance if requested.
 - v. Document DBE firm's interest in quoting by taking appropriate steps to follow up initial solicitation with:
 - a. Email to all prospective DBE firms in relevant work areas
 - b. Phone call log to DBE firms who express interest via written response or call
 - c. Fax/letter confirmation
 - d. Signed copy of record of subcontractor outreach effort

b. Guidance for Evaluating DBE quotes

- (1) Quote evaluation practices required to evaluate DBE quotes:
 - i. Reasonable Price: Contractors are expected to assess reasonable price by analyzing the contract scope for DBE subcontract feasibility and comparing common line items in DBE and

non-DBE subcontract quotes for the same work. Per federal regulation, reasonable price is not necessarily the lowest price. See 49 CFR Part 26, Appendix A. IV.D(2).

- (2) Documentation submitted by the prime of the following evaluation is required to evaluate DBE quotes by contractors:
 - i. Evaluation of DBE firm's ability to perform "possible items to subcontract" using legitimate reasons, including but not limited to, **a discussion** between the prime and DBE firm regarding its capabilities prior to the bid letting. If lack of capacity is the reason for not utilizing the DBE firm's quote, the prime is required to contact the DBE by phone and email regarding their ability to perform the work indicated in the UCP directory listed as their work area by NAICS code. Only the work area indicated by the NAICS code(s) listed in the UCP directory can be counted toward DBE credit. Documentation of the conversation is required.
 - a In striving to meet an assigned DBE contract goal, contractors are expected to use DBE quotes that are responsive and reasonable. This includes DBE quotes that are not the low quote.
 - b Additional evaluation - Evaluation of DBE quotes with tied bid items. Typically, this type of quoting represents a cost saving but is not clearly stated as a discount. Tied quotes are usually presented as an 'all or none' quote. When non-DBE subcontractors submit tied bid items in their quotes, the DBE firm's quote may not appear competitive. In such a case, the following steps are taken in comparing the relevant quotes. These are qualitative examples:
 - i Compare bid items common to both quotes, noting the reasonableness in the price comparison.
 - ii Review quotes from other firms for the bid items not quoted by the DBE firm to see if combining both can provide the same competitive advantage that the tied bid items offered.

See Appendix D – *Good Faith Effort Evaluation Measures* and Appendix E - *Good Faith Effort Best Practices*.

- c. **Requesting Good Faith Effort Evaluation** At the time of bid- if the DBE goal is not met in full, the prime contractor must indicate they will file form DT1202- Documentation of Good Faith Effort within 24-hours of bid submission. Supplementary documentation of good faith effort that supports the DT1202 submission is also due within 24-hours of bid submission and prior to bid posting. Supporting documentation for the DT1202 is to include the following:
 - (1) Solicitation Documentation: The names, addresses, email addresses, and telephone numbers of DBE firms contacted along with the dates of both initial and follow-up contact; electronic copies of all written solicitations to DBE firms. A printed copy of SBN solicitation is acceptable.
 - (2) Selected Work Items Documentation: Identify economically feasible work units to be performed by DBEs to include activities such as: list of work items to be performed; breaking up of large work items into smaller tasks or quantities; flexible time frames for performance and delivery schedules.
 - (3) Documentation of Project Information provided to interested DBEs: A description of information provided to the DBE firms regarding the plans, specifications, and estimated quantities for portions of the work to be performed by that DBE firm.
 - (4) Documentation of Negotiation with Interested DBEs: Provide sufficient evidence to demonstrate that good faith negotiations took place. Merely sending out solicitations requesting bids from DBEs does not constitute sufficient good faith efforts.
 - (5) Documentation of Sound Reasoning for Rejecting DBEs and copies of each quote received from a DBE firm and, if rejected, copies of quotes from non-DBEs for same items.
 - (6) Documentation of Assistance to Interested DBEs- Bonding, Credit, Insurance, Equipment, Supplies/Materials
 - (7) Documentation of outreach to Minority, Women, and Community Organizations and other DBE Business Development Support: Contact organizations and agencies for assistance in contacting, recruiting, and

providing support to DBE subcontractors, suppliers, manufacturers, and truckers at least 14 days before bid opening. Participate in or host activities such as networking events, mentor-protégé programs, small business development workshops, and others consistent with DBE support.

Naming conventions: eSubmit (preferred) follow instructions OR when emailing files, use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, GFE" Email: DBE_Alert@dot.wi.gov

If the Good Faith Effort documentation is deemed adequate, the request will be approved and the DBE office will promptly notify the Prime Contractor and Bureau of Project Development.

If the DBE Office denies the request, the Prime Contractor will receive written correspondence outlining the reasons. The Department encourages the Prime Contractor to communicate with DBE staff to clarify any questions related to meeting goals and/or contractor demonstration of good faith efforts.

If the contract is awarded, the Prime Contractor must obtain written consent from the DBE Office to change or replace any DBE firm listed on the approved DBE Commitment. No contractor, prime or subsequent tier, shall be paid for completing work assigned to a DBE subcontractor on an approved DBE Commitment unless WisDOT has granted permission for the reduction, replacement, or termination of the assigned DBE in writing. If a prime contractor or a subcontractor on any tier uses its own forces to perform work assigned to a DBE on an approved DBE Commitment, **they will not be paid for the work**. Any changes to DBE Commitment after the approval of the DBE Commitment must be reviewed and approved by the DBE Office prior to the change (see Section 9).

4. Bidder's Documentation of Good Faith Effort Evaluation Request Appeal Process

A bidder can appeal the Department's decision to deny the bidder's demonstration of Good Faith Effort through Administrative Reconsideration. The bidder must provide a written justification refuting the specific reasons for denial as stated in the Department's denial notice. The bidder may meet in person with the Department if so requested. Failure to appeal within 5 business days after receiving the Department's written notice denying the request constitutes a forfeiture of the bidder's right of appeal. Receipt of appeal is confirmed by email date stamp or certified mail signed by WisDOT staff. A contract will not be executed without documentation that the DBE provisions have been fulfilled.

The Department will appoint a representative who did not participate in the original good faith effort determination, to assess the bidder's appeal. The Department will issue a written decision within 5 business days after the bidder presents all written and oral information. In that written decision, the Department will explain the basis for finding that the bidder did or did not demonstrate an adequate good faith effort to meet the contract DBE goal. The Department's decision is final.

5. Determining DBE Eligibility

Directory of DBE firms

- a. The only resource for DBE firms certified in the State of Wisconsin is the Wisconsin Unified Certification Program (UCP) DBE Directory. WisDOT maintains a current list of certified DBE firms at: <http://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/dbe-ucp-directory.xlsx>
- b. The DBE Program office is available to assist with contracting DBE firms:(608) 267-3849.

- c. DBE firms are certified based on various factors including the federal standards from the Small Business Administration that assigns a North American Industrial Classification (NAICS) Codes. DBE firms are only eligible for credit when performing work in their assigned NAICS code(s). If a DBE subcontractor performs work that is not with its assigned NAICS code, the prime contractor should contact the DBE Office to inquire about compatibility with the Business Development Program.

6. Counting DBE Participation

Assessing DBE Work

The Department will only count the DBE usage towards the contract DBE goal if the DBE firm is certified as a DBE by one of the UCP agencies. The Department only counts the value of the work a DBE actually performs towards the DBE goal. The Department assesses the DBE work as follows:

- a. The Department counts work performed by the DBE firm's own resources. The Department includes the cost of materials and supplies the DBE firm obtains for the work. The Department also includes the cost of equipment the DBE firm leases for the work. The Department will not include the cost of materials, supplies, or equipment the DBE firm purchases or leases from the prime contractor or its affiliate, with the exception of non-project specific leases the DBE has in place before the work is advertised.
- b. The Department counts fees and commissions the DBE subcontractor charges for providing bona fide professional, technical, consultant, or managerial services. The Department also counts fees and commissions the DBE charges for providing bonds or insurance. The Department will only count costs the program engineer deems reasonable based on experience or prevailing market rates.
- c. If a DBE firm subcontracts work, the Department counts the value of the work subcontracted to a DBE subcontractor.
- d. The contractor will maintain records and may be required to furnish periodic reports documenting its performance under this item.
- e. It is the Prime Contractor's responsibility to determine whether the work that is committed and/or contracted to a DBE firm can be counted for DBE credit by referencing the work type and NAICS code listed for the DBE firm on the Wisconsin UCP DBE Directory.
- f. It is the Prime Contractor's responsibility to assess the DBE firm's ability to perform the work for which it is committing/contracting the DBE to do. Note that the Department encourages the Prime Contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts.
- g. The Prime Contractor will inform the DBE office via email of all DBE subcontractors added to the project following execution of the contract. The Prime Contractor may omit submission of another form DT1506, but must submit signed Attachment A forms for additional DBE firms.
- h. See Section 7 for DBE credit evaluation for Trucking and Section 8 for DBE credit evaluation for Manufacturers, Suppliers, and Brokers

Naming conventions: When emailing files, please use the following language to identify your submission-
"Project #, Proposal #, Let date, Business Name, Attachment A" Email: DBE_Alert@dot.wi.gov

*Note: A sublet request is required for DBE work, regardless of subcontract tier, and also for reporting materials or supplies furnished by a DBE.

- Sublet Requests via form DT1925 or WS1925 are required for 1st Tier DBEs
- For all 2nd Tier and below notification of DBE sublet is indicated by the contractor entering them in CRCS

7. Credit Evaluation for Trucking

All bidders are expected to adhere to the Department's current trucking policy posted on the HCCI website at: <http://wisconsin.gov/Documents/doing-bus/civil-rights/dbe/trucking-utilization-policy.pdf>

The prime contractor is responsible for ensuring that all subcontractors including trucking firms, receive Form FHWA 1273: <https://www.fhwa.dot.gov/programadmin/contracts/1273/1273.pdf>

See Section 8 for Broker credit.

8. Credit Evaluation for Manufacturers, Suppliers, Brokers

The Department will calculate the amount of DBE credit awarded to a prime using a DBE firm for the provisions of materials and supplies on a contract-by-contract basis. The Department will count the material and supplies that a DBE firm provides under the contract for DBE credit based on whether the DBE firm is a manufacturer, supplier, or broker. Generally, DBE credit is determined through evaluation of the DBE owner's role, responsibility, and contribution to the transaction. Maximum DBE credit is awarded when the DBE firm manufactures materials or supplies. DBE credit decreases when the DBE firm solely supplies materials, and minimal credit is allotted when the DBE firm's role is administrative or transactional. It is the bidder's responsibility to confirm that the DBE firm is considered a supplier or a manufacturer before listing them on Commitment to Subcontract to DBE form DT1506 or DBE Commitment submitted with the bid.

a. Manufacturers

- (1) A manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications.
- (2) If the materials or supplies are obtained from a DBE manufacturer, **100%** percent of the cost of the materials or supplies counts toward DBE goals.

b. Regular Dealers of Material and/or Supplies

- (1) Supplies purchased in bulk from DBE firms at the beginning of the season may be credited to current contracts if submitted with appropriate documentation to the DBE office.
- (2) A regular dealer is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business.
- (3) If the materials or supplies are purchased from a DBE regular dealer, count **60%** percent of the cost of the materials or supplies toward DBE goals.
- (4) At a minimum, a regular dealer must meet the following criteria to be counted for DBE credit:
 - i. The DBE firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question.
 - ii. The DBE firm must both own and operate distribution equipment for the product--bulk items such as petroleum products, steel, cement, gravel, stone, or asphalt. If some of the distribution equipment is leased, the lease agreement must accompany the DBE Commitment form for evaluation of the dealer's control before the DBE office approves the DBE credit.

- (5) When DBE suppliers are contracted, additional documentation must accompany the DBE Commitment and Attachment A forms. An invoice or bill-of-sale that includes names of the bidder and the DBE supplier, along with documentation of the calculations used as the basis for the purchase agreement, subcontract, or invoice. WisDOT recognizes that the amount on the Attachment A form may be more or less than the amount on the invoice per b.(1) above.
 - i. The bidder should respond to the following questions and include with submission of form DT1506 or the DBE Commitment entered with bid:
 - a. What is the product or material?
 - b. Is this item in the prime's inventory or was the item purchased when contract was awarded?
 - c. Which contract line items were referenced to develop this quote?
 - d. What is the amount of material or product used on the project?

c. Brokers, Transaction Expeditors, Packagers, Manufacturers' Representatives

- (1) No portion of the cost of the materials, supplies, services themselves will count for DBE credit. However, WisDOT will evaluate the fees or commissions charged when a prime purchases materials, supplies, or services from a DBE certified firm which is neither a manufacturer nor a regular dealer, namely: brokers, packagers, manufacturers' representatives, or other persons who arrange or expedite transactions.
- (2) Brokerage fees are calculated as **10%** of the purchase amount.
- (3) WisDOT may count the amount of fees or commissions charged for assistance in the procurement of the materials and supplies, fees, or transportation charges for the delivery of materials or supplies required on a job site.
- (4) Evaluation of DBE credit includes review of the contract need for the item/service, the sub-contract or invoice for the item/service, and a comparison of the fees customarily allowed for similar services to determine whether they are reasonable.

9. DBE Commitment Modification Policy (Formerly "DBE Replacement Policy")

a. Issuing a Contract Change Order

Any changes or modifications to the contract once executed are considered contract modifications and as such require a change order. In addition, the DBE office must provide consent for reduction, termination, or replacement of subcontractors approved on the DBE Commitment *in advance* of the modification for the prime contractor to receive payment for work or supplies. Additions to the DBE Commitment do not require advance notification of the DBE office. (see below e. DBE Utilization beyond the approved DBE Commitment)

b. Contractor Considerations

- (1) A prime contractor cannot modify the DBE Commitment through reduction in participation, termination, or replacement of a DBE subcontractor listed on the approved DBE Commitment without prior written consent from the DBE Office. This includes, but is not limited to, instances in which a prime contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm.
- (2) If a prime contractor reduces participation, replaces, or terminates a DBE subcontractor who has been approved for DBE credit toward its contract, the prime is required to provide documentation supporting its inability to fulfill the contractual commitment made to the Department regarding the DBE utilization.
- (3) The Prime Contractor is required to demonstrate efforts to find another DBE subcontractor to perform at least the same amount of work under the contract as the DBE subcontractor that was terminated, to the extent needed to meet the assigned DBE contract goal. When additional opportunity is available by contract modifications, the Prime Contractor must utilize DBE subcontractors that were committed to equal work items, in the original contract.

- (4) In circumstances when a DBE subcontractor fails to complete its work on the contract for any reason, or is terminated from a contract, the Prime Contractor must undertake efforts to maintain its commitment to the assigned DBE goal.
- (5) The DBE subcontractor should communicate with the Prime Contractor regarding its schedule and capacity in the context of the contract. If the DBE firm anticipates that it cannot fulfill its subcontract, they will advise the Prime Contractor and suggest a DBE subcontractor that may replace their services and provide written consent to be released from its subcontract.
 - i. Before the Prime Contractor can request modification to the approved DBE Commitment, the Prime Contractor must:
 - a. Make every effort to fulfill the DBE Commitment by working with the listed DBE subcontractor to ensure that the firm is fully knowledgeable of the Prime Contractor's expectations for successful performance on the contract. Document these efforts in writing.
 - b. If those efforts fail, provide written notice to the DBE subcontractor of the Prime Contractor's intent to request to modify the Commitment through reduction in participation, termination, and/or replacement of the subcontractor including the reason(s) for pursuing this action.
 - c. Copy the DBE Office on all correspondence related to changing a DBE subcontractor who has been approved for DBE credit on a contract, including preparation and coordination efforts.
 - d. Clearly state the amount of time the DBE firm has to remedy and/or respond to the notice of intent to replace/terminate. The DBE must be allowed five days from the date notice was received as indicated by email time stamp or signed certified mail, to respond, in writing. EXCEPTION: The Prime Contractor must provide a verifiable reason for a response period shorter than five days. For example, a WisDOT project engineer or project manager confirms that WisDOT has eliminated an item the DBE subcontractor was contracted for.
 - e. The DBE subcontractor must acknowledge the contract modification with written response to the Prime Contractor and the DBE Office. If objecting to the subcontract modification, the DBE subcontractor must outline the basis for objection to the proposed modification, providing sound reasoning for WisDOT to reject the prime's request.

c. Request to Modify DBE Subcontracting Commitment

The written request referenced above may be delivered by email or fax. The request must contain the following:

1. Project ID number
2. WisDOT Contract Project Engineer's name and contact information
3. DBE subcontractor name and work type and/or NAICS code
4. Contract's progress schedule
5. Reason(s) for requesting that the DBE subcontractor be replaced or terminated
6. Attach/include all communication with the DBE subcontractor to deploy/address/resolve work completion

Naming conventions: When emailing files, please use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, MODIFICATION" Email: DBE_Alert@dot.wi.gov + Project Engineer

WisDOT will review the request and any supporting documentation submitted to evaluate if the circumstance and the reasons constitute good cause for replacing or terminating the approved DBE subcontractor.

Good Causes to Replace a DBE subcontractor according to the federal DBE program guidelines {49 CFR part 26.53}

- The listed DBE subcontractor fails or refuses to execute a written contract

- The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor
- The listed DBE subcontractor fails or refuses to meet the prime contractor's reasonable, nondiscriminatory bond requirements
- The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness
- The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215, and 1,200 or applicable state law
- The prime has determined that the listed DBE subcontractor is not a responsible contractor
- The listed DBE subcontractor voluntarily withdraws from the project and provides written notice of its withdrawal
- The listed DBE subcontractor is ineligible to receive DBE credit for the type of work required
- A DBE firm owner dies or becomes disabled with the result that the listed DBE subcontractor is unable to complete its work on the contract

d. Evaluation and Response to the Request

WisDOT's timely response to the Prime Contractor's request for modification of the approved DBE Commitment will be provided to the prime and the WisDOT project engineer via email.

If WisDOT determines that the Prime Contractor's basis for reduction in participation, replacement, or termination of the DBE subcontractor is not consistent with the good cause guidelines, the DBE office will provide a response via email within 48-hours of receipt of request from the Prime Contractor as indicated by email time stamp. The communication will include: the requirement to utilize the committed DBE, actions to support the completion of the contractual commitment, a list of available WisDOT support services, and administrative remedies, including withholding payment to the prime, that may be invoked for failure to comply with federal DBE guidelines for DBE replacement.

The WisDOT contact for all actions related to modification of the approved DBE Commitment is the DBE Program Engineer who can be reached at DBE_Alert@dot.wi.gov or (414) 335-0413.

e. DBE Utilization beyond the approved DBE Commitment

When the prime or a subcontractor increases the scope of work for an approved DBE subcontractor or adds a DBE subcontractor who was not on the approved form DT1506 or DBE Commitment submitted with bid at any time after contract execution, this is referred to as voluntary DBE contract goal achievement. The contractor must follow these steps to ensure that the participation is accurately credited toward the DBE goal:

- (1) Forward a complete, signed Attachment A form to the DBE Office. A complete Attachment A includes DBE subcontractor contact information, signatures, subcontract value, and description of the work areas to be performed by the DBE. The DBE Office will verify the DBE participation and revise the DBE Commitment based on the email/discussion and the new Attachment A.
- (2) When adding to an existing DBE Commitment, submit a new Attachment A to the DBE Alert mailbox
- (3) OR Submit a final Attachment A to DBE Alert during the Finals Process when Compliance receives notice of "Substantially Complete"
 Naming conventions: When emailing files, please use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, New Attachment A" Email: DBE_Alert@dot.wi.gov

Special note on trucking

- DBE truckers added to the sublets in CRCS *will* be approved without DBE credit (You will see a “N” in CRCS instead of “Y”)
- Prime Contractors may enter a “place holder” e.g. \$1000.00, for DBE Trucking in CRCS if the full amount of trucking is unknown for sublet purposes only
- The hiring contractor may obtain the Attachment A with DBE signature included but the **Prime Contractor** must sign the Attachment A before submitting

10. Commercially Useful Function

- a. Commercially Useful Function (CUF) is evaluated after the contract has been executed, while the DBE certified firm is performing contracted work items.
- b. The Department uses Form DT1011, DBE Commercially Useful Function Review and Certification to evaluate if the DBE is performing a commercially useful function. WisDOT counts expenditures of a DBE toward the DBE goal only if the DBE is performing a commercially useful function on that contract.
- c. A DBE firm is performing a commercially useful function if the following conditions are met:
 - (1) For contract work, the DBE is responsible for executing a distinct portion of the work and is carrying out its responsibilities by actually performing, managing, and supervising that work.
 - (2) For materials and supplies, the DBE is responsible for negotiating price, determining quality and quantity, ordering, and paying for those materials and supplies.

11. Credit Evaluation for DBE Primes

WisDOT calculates DBE credit based on the amount and type of work performed by DBE certified firms for work submitted with required documentation. If the prime contractor is a DBE certified firm, the Department will only count the work that the DBE prime performs with its own forces for DBE neutral credit. The Department will also calculate DBE credit for work performed by any other DBE certified subcontractor, DBE certified supplier, and DBE certified manufacturer on the contract in each firm's approved NAICS code/work areas that are submitted with required documentation. Crediting for manufacturers and suppliers is calculated consistent with Section 8 of this document and 49 CFR Part 26.

12. Joint Venture

If a DBE performs as a participant in a joint venture, the Department will only count the portion of the total dollar value of the contract equal to the portion of the work that the DBE performs with its own forces, for DBE credit.

13. Mentor-Protégé

- a. If a DBE performs as a participant in a mentor-protégé agreement, the Department will credit the portion of the work performed by the DBE protégé firm.
- b. DBE credit is evaluated and confirmed by the DBE Office for any contracts on which the mentor-protégé team identifies itself to the DBE Office as a current participant of the Mentor-Protégé Program.
- c. Refer to WisDOT's Mentor-Protégé guidelines for guidance on the number of contracts and amount of DBE credit allowed on WisDOT projects.

14. Use of Joint Checks

The use of joint checks is allowable if it is a commonly recognized business practice in the material industry. A joint check is defined as a two-party check between a DBE subcontractor, a prime contractor, and the regular dealer or materials supplier who is neither the prime nor an affiliate of the prime. Typically, the prime contractor issues one check as payor to the DBE subcontractor and to the supplier jointly (to guarantee payment to the supplier) as payment for the material/supplies used by the DBE firm in cases where the DBE subcontractor and materials have been approved for DBE credit. The DBE subcontractor gains the opportunity to establish a direct contracting relationship with the supplier to potentially facilitate a business rapport that results in a line of credit or increased partnering opportunities.

The cost of material and supplies purchased by the DBE firm is part of the value of work performed by the DBE to be counted toward the goal. To receive credit, the DBE firm must be responsible for negotiating price, determining quality and quantity, ordering the materials, and installing (where applicable) and "paying for the material itself." See 49 CFR 26.55(c)(1).

The approval to use joint checks constitutes a commitment to provide further information to WisDOT, upon request by staff. WisDOT will allow the use of joint checks when the following conditions are met:

- a. The Prime Contractor must request permission to use joint checks from the DBE Office by submitting the Application to Use Joint Checks.
 - (1) Request should be made when the DBE Commitment or the Request to Sublet is submitted; the request will not be considered if submitted after the DBE Subcontractor starts its work.
 - (2) Approval/Permission must be granted prior to the issuance of any joint checks.
 - (3) The payment schedule for the supplier must be presented to the DBE office before the first check is issued.
 - (4) The joint check for supplies must be strictly for the cost of approved supplies.
- b. The DBE subcontractor is responsible for furnishing and/or installing the material/work item and is not an 'extra participant' in the transaction. The DBE firm's role in the transaction cannot be limited solely to signing the check(s) to release payment to the material supplier. At a minimum, the DBE subcontractor's tasks should include the following:
 - (1) The DBE subcontractor (not the prime/payor) negotiates the quantities, price, and delivery of materials.
 - (2) The DBE subcontractor consents to sign/release the check to the supplier by signing the Application to Use Joint Checks after establishing the conditions and documentation of payment within the subcontract terms or in a separate written document.
- c. The Prime contractor/payor acts solely as a guarantor.
 - (1) The Prime Contractor agrees to furnish the check used for the payment of materials/supplies under the contract.
 - (2) The prime contractor/payor cannot require the subcontractor to use a specific supplier or the prime contractor's negotiated unit price.

15. Payment

Costs for conforming to this Additional Special Provision (ASP) and any associated DBE requirements are incidental to the contract.

Appendix A

Substantive Conversation Guidelines

The substantive conversation is critical to all bidders' demonstration of good faith effort to meet the DBE goal prior to bid opening. Relationship building between primes and subcontractors is crucial to DBE goal attainment. Responsible bidders seek to build rapport with potential DBE subcontractors to understand capacity, areas of expertise, and assess contracting feasibility. Bidders who compete for WisDOT contracts are specialty contractors responding to a growing and changing contract environment. Just as these specialists are responsible for care of the roads, they are likewise responsible for contributing to the health of the industry. The substantive conversation drives collaboration that will build industry health and capacity. The following is intended to provide guidance for such discussions but is not an exhaustive list. Contractors are encouraged to incorporate their existing strategies for cultivating business relationships as well.

Prior to Bid Opening- this discussion should happen as early as possible (WisDOT advertisements are released 5 weeks prior to each Let)

- Determine DBE subcontractor's interest in quoting
- If response indicates inexperience with quoting- offer support/assistance to the DBE in understanding the industry including fundamentals a subcontractor needs to know, required reading and/or resources.
- Assess their interest and experience in the road construction industry by asking questions such as:
 1. Have you competed for other WisDOT contracts? Ratio of competed/to wins
 2. Have you performed on any transportation industry contracts (locally or with other states)?
 3. What the largest contract you've completed?
 4. Have you worked in the industry: apprentice, journeyman, safety, inspection etc.?
 5. Does this project fit into your schedule? Are you working on any contracts now?
 6. Have you reviewed a copy of the plans? Are you comfortable performing within the scope and quantity considerations of this contract?
 7. What region do you work in? Home base?
 8. Which line items are you considering?
 9. Have you read/are you familiar with WisDOT Standard Specifications? Construction Material Manual?
 10. Do you understand where your work fits in the project schedule, project phases?

Following Bid Opening- this discussion can happen at any time

1. After reviewing their quote, note the following in your discussion:
 - Does the quote look complete? Irregular?
 - Are there errors in the quote? Are items very high or very low?
 - In general, does the quote look competitive?
2. Questions and Advice for the bidder to share with the potential DBE subcontractor:
 - What line items would typically be in a competitive quote for a subcontractor of their specialty?
 - How many employees and what is their role/experience/expertise in your firm?
 - Do you have resources for labor (union member, family-based, community-resourced) and capital (banking relationship, bond agent, CPA)?
 - Where have you worked: cities, states, government, commercial, residential/private sector, etc. Explain similarities or differences.
 - Refer them to reliable, trusted, industry resources that can educate or connect them to relevant resources, education/certification resources, more appropriate contract opportunities.
 - Discussion about prime contract and subcontract liability, critical path items, contract quantities, schedule risks, and potential profit/loss (for upcoming known projects or in general).
 - Discussion of bonding, insurance, and overall business risk considerations.

APPENDIX B
Sample Contractor Solicitation Letter Page 1
This sample is provided as a guide not a requirement

GFESAMPLE MEMORANDUM

TO: DBE FIRMS
FROM: POTENTIAL PRIME CONTRACTOR OR MAJOR SUBCONTRACTOR
SUBJECT: **REQUEST FOR DBE QUOTES**
LET DATE & TIME
DATE: MONTH DAY YEAR
CC: DBE OFFICE ENGINEER

Our company is considering bidding on the projects indicated on the next page, as a prime and/or a subcontractor for the Wisconsin Department of Transportation **Month- date -year** Letting. Page 2 lists the projects and work items that we may subcontract for this letting. We are interested in obtaining subcontractor quotes for these projects and work categories. Also note that we are willing to accept quotes in areas we may be planning to perform ourselves as required by federal rules.

Please review page 2, respond whether you plan to quote, highlight the projects and work items you are interested in performing and return it via fax or email within 3 days. Plans, specifications and addenda are available through WisDOT at the DBE Support Services office or at the Highway Construction Contract Information (HCCI) site at <http://roadwaystandards.dot.wi.gov/hcci/>

Your quote should include all of the costs required to complete the items you propose to perform including labor, equipment, material, and related bonding or insurance. The quote should note items that you are DBE certified to perform, tied items, and any special terms. Page 2, with the indicated projects and items you plan to quote, should be used as a cover sheet for your quote.

Please make every effort to have your quotes into our office by **time deadline** the prior to the letting date. **Make sure the correct letting date, project ID and proposal number, unit price and extension are included in your quote.** We prefer quotes be sent via SBN but **prime's alternatives** are acceptable. Our office hours are **include hours and days**.

Please call our office as soon as possible prior to the letting if you need information/clarification to prepare your quote at **contact number**.

If you wish to discuss or evaluate your quote in more detail, contact us after the contract is awarded. Status of the contract can be checked at WisDOT's HCCI site at <http://roadwaystandards.dot.wi.gov/hcci/>
All questions should be directed to:

Project Manager, John Doe, Phone:
(000) 123-4567
Email: Joe@joetheplumber.com
Fax: (000) 123- 4657

Sample Contractor Solicitation Letter Page 2
This sample is provided as a guide not a requirement
 REQUEST FOR QUOTE

Prime's Name: _____
Letting Date: _____
Project ID: _____

Please check all that apply

- “ Yes, we will be quoting on the projects and items listed below
- “ No, we are not interested in quoting on the letting or its items referenced below
- “ Please take our name off your monthly DBE contact list
- “ We have questions about quoting this letting. Please have someone contact me at this number

Prime Contractor 's Contact Person:

DBE Contractor Contact Person:

Phone: _____

Phone: _____

Fax: _____

Fax: _____

Email: _____

Email: _____

Please circle the jobs and items you will be quoting below

Proposal No.	1	2	3	4	5	6	7
County							

WORK DESCRIPTION:

Clearing and Grubbing	X		X	X		X	X
Dump Truck Hauling	X		X	X		X	X
Curb & Gutter/Sidewalk, Etc.	X		X	X		X	X
Erosion Control Items	X		X	X		X	X
Signs and Posts/Markers	X		X	X		X	X
Traffic Control		X	X	X		X	X
Electrical Work/Traffic Signals		X	X	X		X	
Pavement Marking		X	X	X	X	X	X
Sawing Pavement		X	X	X	X	X	X
QMP, Base	X	X		X	X	X	X
Pipe Underdrain	X			X			
Beam Guard				X	X	X	X
Concrete Staining							X
Trees/Shrubs	X						X

Again please make every effort to have your quotes into our office by time deadline prior to the letting date.

We prefer quotes be sent via SBN but prime's preferred alternatives are acceptable.

If there are further questions please direct them to the prime contractor's contact person at phone number.

Appendix C

Small Business Network (SBN) Overview

The Small Business Network is a part of the Bid Express® service that was created to ensure that prime bidders have a centralized online location to find subs - including small and disadvantaged business enterprises (DBEs). It is available for prime bidders to use as part of their Basic Service subscription. Within the Small Business Network, **Prime Contractors** can:

1. Easily select proposals, work types and items:
 - a. After adding applicable work types, select items that you wish to quote. Enter the sub-quote quantities and add comments, if desired. Adding or removing items and work types can be done quickly. If needed, you can save the sub-quote for later completion.
2. Create sub-quotes for the subcontracting community:
 - a. Create sub-quotes with ease using the intuitive sub-quote creator. In seven short steps, you can rapidly create a custom sub-quote directed to all subcontractors that bid on the applicable work types. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
 - b. Create a sub-quote to send to subcontractors or suppliers that lists the items in a proposal that you want quoted
 - c. Create an unlimited number of sub-quotes for items you want quoted, and optionally mark them as a DBE preferred request.
 - d. Add attachments to sub-quotes.
3. View sub-quote requests & responses:
 - a. After logging into the Bid Express service, you can quickly review all of your sub-quote requests and all unsolicited sub-quote requests from subcontractors. To simplify the Small Business Network home screen, sub-quote requests can be hidden with one click if they are not applicable.
 - b. View or receive unsolicited sub-quotes that subcontractors have posted, complete with terms, conditions and pricing.
4. View Record of Subcontractor Outreach Effort:
 - a. For each sub-quote produced, a *Record of Subcontractor Outreach Effort* is generated that shows the response statistics for a particular sub-quote. If accepted by the letting agency, this report may serve as proof of a "Good Faith" effort in reaching out to the DBE community.
 - b. Easily locate pre-qualified and certified small and disadvantaged businesses.
 - c. Advertise to small and disadvantaged businesses more efficiently and cost effectively.
 - d. Document your interactions with subs/DBEs by producing an Outreach Report (may be accepted as proof of DBE outreach at the discretion of each agency).

The Small Business Network is a part of the Bid Express® service that was created to ensure that small businesses have a centralized area to access information about upcoming projects. It can help small businesses learn more about opportunities, compete more effectively, network with other contractors and subcontractors, and win more jobs. **DBE firms can:**

1. View and reply to sub-quote requests from primes:
 - a. After logging into the Bid Express service, you can quickly review all incoming sub-quote requests and all unsolicited sub-quotes created by your company. Receive notifications by selected work type. To simplify on the Small Business Network home screen, sub-quote requests can be filtered by work types relevant to your interests or hidden with one click if they are not applicable.
2. Select items when responding to sub-quote requests from primes:
 - a. You have the freedom to choose and price any number of items when responding to a sub-quote request. Quantities can be modified, and per-item comments are also available.
 - b. View requests for sub-quotes for work that primes have posted for projects they are bidding, add your pricing, terms, and conditions, and submit completed sub-quotes to the requesting primes.
 - c. Add attachments to a sub-quote.
3. Create and send unsolicited sub-quotes to specific contractors:
 - a. Create unsolicited sub-quotes with ease using the intuitive sub-quote creator. In eight short steps, you can rapidly create a custom sub-quote directed at any number of specific vendors of your choosing. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
4. Easily select and price items for unsolicited sub-quotes:
 - a. After adding applicable work types, select items that you wish to quote. The extended price calculates automatically, cutting out costly calculation errors. Comments can be provided on a per-item basis as well.
 - b. Create an unsolicited sub-quote that lists the items from a proposal that you want to quote, include pricing, terms and conditions, and send it to selected prime/plan holder.
 - c. Add attachments to a sub-quote.
 - d. Add unsolicited work items to sub-quotes that you are responding to.
5. Easy Access to Valuable Information
 - a. Receive a confirmation that your sub-quote was opened by a prime.
 - b. View Bid Tab Analysis data from past bids, including the high, average and low prices of items.
 - c. View important notices and publications from DOT targeted to small and disadvantaged businesses.
6. Accessing Small Business Network for WisDOT contracting opportunities
 - a. If you are a contractor not yet subscribing to the Bid Express service, go to www.bidx.com and select "Order Bid Express." The Small Business Network is a part of the Bid Express Basic Service.
 - b. DBE firms can request a Bid Express Small Business Network Account at no cost by calling 414-438-458

APPENDIX D

Good Faith Effort Evaluation Measures *by categories referenced in DBE regulations*

Bidders must demonstrate that they took all necessary and reasonable steps to achieve the assigned DBE contract goal. For each contract, all bidders must submit documentation indicating the goal has been met or if falling short of meeting the assigned goal, must request a DBE Goal Waiver and document all efforts employed to secure DBE subcontractor participation on Form DT1202.

DBE staff analyze the bidder's documented good faith efforts to determine if action taken was sufficient to meet the goal. Sufficiency is measured contract-by-contract. WisDOT evaluates active and aggressive efforts, quality, quantity, scope, intensity, and appropriateness of the bidder's efforts as a scale of the principles of Good Faith outlined in 49 CFR Part 26, Appendix A. Additional emphasis is placed on the bidder's demonstration of timely submission of documentation and communication with DBE subcontractors, and business development initiatives undertaken to support DBE firm growth.

The following is a sample of good faith effort activities that are rated according to the accompanying rubric. Contractors are encouraged to identify additional activities that align with their business type(s).

- Personal, tailored solicitation to firms that specialize in work types planned or desired for subcontracting
- Follow up to initial solicitation via email or phone
- Substantive conversation including topics such as contract liability, critical path work items, schedule risks, and potential profit/loss
- SBN utilization including posting quotes
- Review and response to DBE quotes including provision of information about plans, specifications, and requirements as applicable
- Documentation requesting subcontractors support DBE goal by solicitation and inclusion of DBE subcontractor quotes
- Responsive and timely submission of organized documentation
- Analysis of number of DBE firms who do work types that you typically subcontract
- Analysis of number of DBE firms who reside in geographical areas where prime seeks work
- Analysis of firms who express interest in bidding/quoting including the number of firms who declined your solicitation
- Reference check of DBE subcontractor work or training (documentation of questions and response required)
- Number of different efforts undertaken to meet the assigned DBE goal as documented in accompanying Form DT1202
- Submission of all DBE quotes received matched with a variety of work to be performed by DBEs
- Number and names of DBE firms provided written advice, or referral to industry-specific business development resources
- Overall pattern of DBE utilization on all WisDOT contracts which may include contracting with municipalities
- Documentation of resources expended to meet assigned DBE goal (#of hours, staff titles, average pay rate, actions taken)
- Analysis of subcontractable work items to be completed by prime beyond prime contractor's 30%
- Risk analysis of work items that are typically in tied quotes that could be unbundled
- List of contract work items in smallest economically feasible units, identifying schedule impact
- Submission of a Gap Analysis identifying DBE skillset and/or industry needs
- Staff training in EEO and Civil Rights laws as documented in training logs
- Written Capacity Assessment completed with DBE firm documenting its ability to perform the work quoted
- DBE engagement efforts beyond simple solicitation that include a substantive discussion, initiated as early in the acquisition process as possible (*points added for each day prior to letting*)
- Outreach and marketing efforts with minority, women, and veteran-focused organizations at least 10 days prior to bid opening
- Active involvement in WisDOT's Business Development Program, TRANS training, facilitated networking efforts, workshops
- Customized teaching/training efforts for future opportunities with DBE subcontractor, contract specific and/or annually
- Introduction and reference provided for DBE subcontractor to a prime who has not previously contracted with the DBE firm
- Prime utilization of a DBE subcontractor the prime has not contracted with previously
- Written referral/recommendation to bond/insurance agents, manufacturer, supplier
- Documented efforts fostering DBE participation through administrative and/or technical assistance
- Evidence of negotiation with the DBE firm about current and future Let opportunities
- Recommendation of local and state services that support small business and access to opportunity: DOA, SBA, WEDC, WPI, etc.
- Advice on bonding, lines of credit, or insurance as required to complete the items quoted and contract requirements

GFE EVALUATION RUBRIC – PHASE 1

	Active & Aggressive Category	Quality Category	Quantity Category	Scope & Intensity Category	Timing Category	Business Develop't Efforts	Total=
Solicitation Documentation							
Selected Work Items Documentation							
Documentation of Project Information provided to Interested DBEs							
Documentation of Negotiation with Interested DBEs							
Documentation of Sound Reason for Rejecting DBEs							
Documentation of Assistance to Interested DBEs- bonding, credit, insurance, equipment, supplies/materials							
Documentation of Outreach to Minority, Women, and Community organizations and other DBE Business Development Support							
Documentation of other GFE activities							
Overall Total=							

GFE EVALUATION RATING LEGEND – PHASE 1 – Initial Review

ACTIVE & AGGRESSIVE: Demonstrated through engaged and assertive activity

QUALITY: Demonstrated through essential character of conscientious and serious activity

QUANTITY: Demonstrated through a measurable number of activities

SCOPE & INTENSITY: Demonstrated through a rigorous approach to an appropriate and purposeful range of activities

TIMING: Demonstrated through engagement efforts beyond simple solicitation, initiated early in the process

BUSINESS DEVELOPMENT INITIATIVES: Demonstrated by efforts to support business growth and health of DBEs

Rating Scale

- **Each qualifying activity is worth 5 points per Category**
 - **Pro Forma efforts= 0-50 points**
Perfunctory effort characterized by routine or superficial activities
 - **Bona Fide= 55+ points**
Genuine effort characterized by sincere and earnest activities

GFE EVALUATION – PHASE 2 – Team Review

DBE Office completes:

- Review of quote comparisons submitted by Prime
- Bid analysis to confirm if any bid submitted met the DBE goal
- Review average of other bidders DBE goal achievement
- Team review of combined efforts documented in Phase 1 and 2 by apparent low bidder

Excerpt from Appendix A to 49 CFR Part 26:

V. In determining whether a bidder has made good faith efforts, it is essential to scrutinize its documented efforts. At a minimum, you must review the performance of other bidders in meeting the contract goal. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts. As provided in §26.53(b)(2)(vi), you must also require the contractor to submit copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract to review whether DBE prices were substantially higher; and contact the DBEs listed on a contractor's solicitation to inquire as to whether they were contacted by the prime. Pro forma mailings to DBEs requesting bids are not alone sufficient to satisfy good faith efforts under the rule.

APPENDIX E

Good Faith Effort Best Practices

This list is not a set of requirements; it is a list of potential strategies

Primes

- Ø Prime contractor open houses inviting DBE firms to see the bid “war room” or providing technical assistance.
- Ø Participate in speed networking and mosaic exercises as arranged by DBE office.
- Ø Host information sessions not directly associated with a bid letting.
- Ø Participate in a formal mentor protégé or joint venture with a DBE firm.
- Ø Participate in WisDOT advisory committees i.e. TRANSAC, or Mega Project committee meetings.
- Ø Facilitate a small group DBE ‘training session’ clarifying how your firm prepares for bid letting, evaluates subcontractors, preferred qualifications, and communication methods.
- Ø Encourage subcontractors to solicit and highlight DBE participation in their quotes to you.
- Ø Quality of communication, not quantity creates the best results. Contractors should be thorough in communicating with DBE firms before the bid and provide any assistance requested to assure best possible bid.

DBE

- Ø DBE firms should contact primes as soon as possible with questions regarding their quotes or bid; seven days prior is optimal.
- Ø Continually check for contract addendums on the HCCI website through the Thursday prior to letting to stay abreast of changes.
- Ø Review the status of contracts on the HCCI website reviewing the ‘apparent low bidder’ list and bid tabs at a minimum.
- Ø Prepare a portfolio or list of related projects and prime and supplier references; be sure to note transportation related projects of similar size and scope, firm expertise and staffing.
- Ø Participate in DBE office assessment programs.
- Ø Participate on advisory and mega-project committees.
- Ø Sign up to receive the DBE Contracting Update.
- Ø Consider membership in relevant industry or contractor organizations.
- Ø Active participation is a must. Quote as many projects as you can reasonably work on; quoting the primes and bidding as a prime with the Department are the only ways to get work.

APPENDIX F

Good Faith Effort Evaluation Guidance

Appendix A of 49 CFR Part 26

I. When, as a recipient, you establish a contract goal on a DOT-assisted contract for procuring construction, equipment, services, or any other purpose, a bidder must, in order to be responsible and/or responsive, make sufficient good faith efforts to meet the goal. The bidder can meet this requirement in either of two ways. First, the bidder can meet the goal, documenting commitments for participation by DBE firms sufficient for this purpose. Second, even if it doesn't meet the goal, the bidder can document adequate good faith efforts. This means that the bidder must show that it took all necessary and reasonable steps to achieve a DBE goal or other requirement of this part which, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not fully successful.

II. In any situation in which you have established a contract goal, Part 26 requires you to use the good faith efforts mechanism of this part. As a recipient, you have the responsibility to make a fair and reasonable judgment whether a bidder that did not meet the goal made adequate good faith efforts. It is important for you to consider the quality, quantity, and intensity of the different kinds of efforts that the bidder has made, based on the regulations and the guidance in this Appendix.

The efforts employed by the bidder should be those that one could reasonably expect a bidder to take if the bidder were actively and aggressively trying to obtain DBE participation sufficient to meet the DBE contract goal. Mere pro forma efforts are not good faith efforts to meet the DBE contract requirements. We emphasize, however, that your determination concerning the sufficiency of the firm's good faith efforts is a judgment call. Determinations should not be made using quantitative formulas.

III. The Department also strongly cautions you against requiring that a bidder meet a contract goal (i.e., obtain a specified amount of DBE participation) in order to be awarded a contract, even though the bidder makes an adequate good faith efforts showing. This rule specifically prohibits you from ignoring bona fide good faith efforts.

IV. The following is a list of types of actions which you should consider as part of the bidder's good faith efforts to obtain DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.

A. (1) Conducting market research to identify small business contractors and suppliers and soliciting through all reasonable and available means the interest of all certified DBEs that have the capability to perform the work of the contract. This may include attendance at pre-bid and business matchmaking meetings and events, advertising and/or written notices, posting of Notices of Sources Sought and/or Requests for Proposals, written notices or emails to all DBEs listed in the State's directory of transportation firms that specialize in the areas of work desired (as noted in the DBE directory) and which are located in the area or surrounding areas of the project.

(2) The bidder should solicit this interest as early in the acquisition process as practicable to allow the DBEs to respond to the solicitation and submit a timely offer for the subcontract. The bidder should determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.

B. Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units (for example, smaller tasks or quantities) to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces. This may include, where possible, establishing flexible timeframes for performance and delivery schedules in a manner that encourages and facilitates DBE participation.

C. Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation with their offer for the subcontract.

D. (1) Negotiating in good faith with interested DBEs. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional Agreements could not be reached for DBEs to perform the work.

(2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Prime contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.

E. (1) Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union status) are not legitimate causes for the rejection or non-solicitation of bids in the contractor's efforts to meet the project goal. Another practice considered an insufficient good faith effort is the rejection of the DBE because its quotation for the work was not the lowest received. However, nothing in this paragraph shall be construed to require the bidder or prime contractor to accept unreasonable quotes in order to satisfy contract goals.

(2) A prime contractor's inability to find a replacement DBE at the original price is not alone sufficient to support a finding that good faith efforts have been made to replace the original DBE. The fact that the contractor has the ability and/or desire to perform the contract work with its own forces does not relieve the contractor of the obligation to make good faith efforts to find a replacement DBE, and it is not a sound basis for rejecting a prospective replacement DBE's reasonable quote.

F. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or contractor.

G. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

H. Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, State, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.

V. In determining whether a bidder has made good faith efforts, it is essential to scrutinize its documented efforts. At a minimum, you must review the performance of other bidders in meeting the contract goal. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts. As provided in §26.53(b)(2)(vi), you must also require the contractor to submit copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract to review whether DBE prices were substantially higher; and contact the DBEs listed on a contractor's solicitation to inquire as to whether they were contacted by the prime. Pro forma mailings to DBEs requesting bids are not alone sufficient to satisfy good faith efforts under the rule.

VI. A promise to use DBEs after contract award is not considered to be responsive to the contract solicitation or to constitute good faith efforts.

[79 FR 59600, Oct. 2, 2014]

APPENDIX G
(SAMPLE) Forms DT1506 and DT1202

**COMMITMENT TO SUBCONTRACT TO DBE
ATTACHMENT A**

CONFIRMATION OF PARTICIPATION

Project I.D.:	Proposal Number:
Letting Date:	

Name of DBE Firm Participating in this Contract:	
Name of the Prime/Subcontractor who hired the DBE Firm: <i>(list all names of tiers if more than one)</i>	
Type of Work or Type of Material Supplied:	
Total Subcontract Value:	Total DBE Credit Value:

FOR PRIME CONTRACTORS ONLY: I certify that I made arrangements with the participating DBE firm to perform the type of work listed or supply the material indicated above for the subcontract value listed above.	Prime Contractor Representative's Signature
	Prime Contractor Representative's Name (Print Name)
	Prime Contractor (Print Company Name)
	Date

FOR PARTICIPATING DBE FIRMS ONLY: I certify that I made arrangements with the Prime Contractor or the Hiring Contractor to perform the type of work or supply the material indicated above for the subcontract value listed above. FOR DBE TRUCKING FIRMS ONLY: I certify that I will utilize, for DBE credit, only trucks listed on my WisDOT approved Schedule of Owned/Leased Vehicles for DBE Credit form and I will be utilizing the number of trucks as listed below.	Participating DBE Firm Representative's Signature & Date
	Participating DBE Firm Representative's Name (Print Name)
	Participating DBE Firm (Print Company Name)
	DBE Firm's Address:

# Owned Trucks	# Leased Trucks	# DBE-Owned Leased Trucks	# Non-DBE-Owned Leased Trucks

**DOCUMENTATION OF GOOD FAITH EFFORT**Wisconsin Department of Transportation
DT1202.....3/2020

Project ID *****	Proposal No. *****	Letting *****
Prime Contractor *****		County *****
Person Submitting Document *****		Telephone Number *****
Address *****		Email Address *****

All bidders must undertake necessary and reasonable steps to achieve the assigned DBE contract goal per federal regulatory guidance at 49 CFR Part 26. Bidders use this form to document all efforts employed to meet the assigned goal as a record of contractor good faith efforts (GFE). Refer to ASP3 or 49 CFR Part 26 for guidance on actions that demonstrate good faith effort.

It is critical to list all efforts, attach documentation, and follow the instructions to complete this submission. Documentation of good faith effort includes copies of each DBE and non-DBE subcontractor quote submitted to the bidder for the same line items. Utilize the sample documentation logs to document and organize efforts.

Submit good faith effort documentation per ASP-3 guidelines.

Instructions: Provide a narrative description of all activities pursued to demonstrate good faith efforts, any corresponding documentation, and applicable explanation on separate pages. Include the following items, organized in the order listed below.

1.→ Solicitation Documentation:

- a.→ Purpose:** To identify all reasonable and available activities the bidder performed to solicit the interest of all certified DBEs who have the capacity and ability to perform work on the project. All solicitation efforts should begin as early as possible to ensure DBEs have ample time to respond and ask questions.
- b.→ Action:** Identify and list all activities engaged in to solicit DBEs using all reasonable and available means such as written notice and follow-up communications; substantive conversations; pre-bid meetings; networking events; market research; advertising.

2.→ Selected Work Items Documentation:

- a.→ Purpose:** To ensure that all work items are broken out into economically feasible units to facilitate DBE participation. This must occur even when you prefer to perform the work yourself.
- b.→ Action:** Identify economically feasible work units to be performed by DBEs to include activities such as: list of work items to be performed; breaking up of large work items into smaller tasks or quantities; flexible time frames for performance and delivery schedules.

3.→ Documentation of Project Information provided to Interested DBEs:

- a.→ Purpose:** To provide interested DBEs with adequate information about the plans, specifications, and any other contractual requirements in a timely manner to assist DBEs in response to solicitation.
- b.→ Action:** Provide DBEs access to plans, specifications, and other contract requirements. Early solicitation allows ample opportunity to provide project information, links to Let advertisements, and substantive engagement with DBEs.

4.→ Documentation of Negotiation with Interested DBEs:

a.→ Purpose: To ensure that negotiations with interested DBEs were made in good faith providing evidence as to why agreements could not be reached for DBEs to perform work.

b.→ Action: Provide sufficient evidence to demonstrate that good faith negotiations took place. Merely sending out solicitations requesting bids from DBEs does not constitute sufficient good faith efforts. A bidder using good business judgment considers a number of factors in negotiating with all subcontractors, and the firm's price and capabilities in addition to contract goals are taken into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for failing to meet the DBE goal as long as costs are reasonable. (see 49 CFR Part 26 Appendix A)

5.→ Documentation of Sound Reason for Rejecting DBEs:

a.→ Purpose: To ensure that bidders avoid rejecting DBEs as unqualified without sound reasons. Reasons for rejection must be based on thorough investigation of DBE capabilities.

b.→ Action: Provide sufficient evidence to demonstrate that DBE was rejected for sound reasons such as past performance, relevant business experience and stability, safety record, business ethic and integrity, technical capacity, other tangible factors.

6.→ Documentation of Assistance to Interested DBEs--Bonding, Credit, Insurance, Equipment, Supplies/Materials:

a.→ Purpose: To assist interested DBEs in obtaining bonds, lines of credit, insurance, equipment, supplies, materials, and other assistance or services.

b.→ Action: Assist interested DBEs in obtaining bonding, lines of credit or insurance, and provide technical assistance or information related to plans, specifications, and project requirements. Assist DBEs in obtaining equipment, supplies, materials or other services related to meeting project requirements (excluding supplies or equipment the DBE purchases from the prime).

7.→ Documentation of outreach to Minority, Women, and Community Organizations and other DBE Business Development Support:

a.→ Purpose: To effectively use the services of minority, women, and community organizations as well as contractors' groups, local, state, and federal business assistance offices and organization that provide assistance in recruiting and supporting DBEs, as well as participation in activities that support DBE business development.

b.→ Action: Contact organizations and agencies for assistance in contacting, recruiting, and providing support to DBE subcontractors, suppliers, manufacturers, and truckers at least 14 days before bid opening. Participate in or host activities such as networking events, mentor-protégé programs, small business development workshops, and others consistent with DBE support.

Return to:
 Wisconsin Department of Transportation
 DBE Program Office
 PO Box 7965
 Madison, WI 53707-7965
 DBE_Alert@dot.wi.gov

I certify that I have utilized comprehensive good faith efforts to solicit and utilize DBE firms to meet the DBE participation requirements of this contract proposal, as demonstrated by my responses and as specified in Additional Special Provision 3 (ASP-3).

I certify that the information given in the Documentation of Good Faith Efforts is true and correct to the best of my knowledge and belief.

I further understand that any willful falsification, fraudulent statement, or misrepresentation will result in appropriate sanctions, which may involve debarment and/or prosecution under applicable state (Trans 504) and Federal laws.

		(Bidder/Authorized Representative Signature)

		(Print Name)

		(Title)

Good-Faith-Effort--Sample-Documentation-Logs

The sample logs below are provided as guides rather than exhaustive list. See ASP3, Appendix A for additional examples of demonstrable good faith efforts. Attach documentation for each activity listed.

Acceptable forms of documentation include copies of solicitations sent to DBEs, notes from substantive conversations and negotiations with DBEs, copies of advertisements placed, email communications, all quotes received from DBEs and from all subcontractors who were considered alongside DBE quotes, proof of attendance at applicable networking events; flyers for events or workshops for DBEs offered by the prime, and other physical records of good faith efforts activities.

SOLICITATION LOG

Date	Activity	Name of DBE Solicited	Follow-up
4/1/2020	Sent May Let solicitation	Winterland Electric	Spoke with Mark Winterland on 4/15/20 to ask if he would quote

SELECTED WORK ITEMS SOLICITED LOG

Work Type	DBE Firm	Contact Person	Date	Contact Mode
Pavement Marking	ABC Marking	Leslie Lynch	4/1/2020	Email; phone
	#1 Marking Co.	Mark Smart	4/1/2020	Email; left VM
Electrical	Winterland Electric	Tabitha Tinker	4/3/2020	Email, left VM
	Superstar Wiring	Jose Huascar	4/3/2020	Email; phone

INFORMATION PROVIDED LOG

Request Date	DBE Firm	Information Requested & Provided	Response Date
4/1/2020	Winterland Electric	Requested info on electrical requirements; provided plan and link to specs	4/3/2020
4/21/2020	Absolute Construction	Wanted to know how and when supplies are paid for by WisDOT; referred to spec that covers stockpiling	4/21/2020

NEGOTIATIONS LOG

Date	DBE Firm	Contact Name	Work Type	Quotes Rec'd?	Considered for project?	If not selected, why?
4/12/2020	ABC Landscape	John Dean	Erosion Control	Yes	No	Cannot perform all items
4/17/2020	Wild Ferns	Sandy Lynn	Erosion Control	Yes	Yes	
4/20/2020	#1 Marking	Mark Smart	Electrical	Yes	Yes	

ASSISTANCE LOG

Date	DBE Firm	Contact Person	Assistance Provided
4/1/2020	ABC Sawing	Jackie Swiggle	Informed DBE on how to obtain bonding
4/17/2020	Supreme Construction	Winston Walters	Provided contact for wholesale supply purchase

OUTREACH & BUSINESS DEVELOPMENT LOG

Date	Agency/Organization Contacted	Contact Person	Assistance Requested
4/1/2020	Women in Construction	LaTonya Klein	Contact information for woman-owned suppliers
4/28/2020	WBIC	Sam Smith	Asked for information to provide to DBE regarding financing programs through WBIC

Official Form DT1202 can be found here: www.wisconsin.gov/DBEcontracting

ADDITIONAL SPECIAL PROVISION 4

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

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

ADDITIONAL SPECIAL PROVISIONS 5 FUEL COST ADJUSTMENT

A Description

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

B Categories of Work Items

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

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

C Fuel Index

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

The base Fuel Index (BFI) for this contract is \$2.20 per gallon.

D Computing the Fuel Cost Adjustment

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

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

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

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

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

E Payment

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

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

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

Make the following revisions to the standard specifications:

102.1 Prequalifying Bidders

Replace paragraph two with the following effective with the October 2020 letting:

- (2) Furnish a dated prequalification statement on the department's form at least 10 business days before the time set for the letting to close.

102.6 Preparing the Proposal

Replace the entire text with the following effective with the October 2020 letting:

102.6.1 General

- (1) Submit completed proposals on the department's bidding proposal described in 102.2. Submit legible information only. Write everything in ink, by typewriter, or by computer-controlled printer. Provide all dollar amounts in dollars and cents, in numerals. Attach all addenda to the submitted proposal.
- (2) Properly execute the proposal. Place the required signatures, in ink, in the space provided on the bidding proposal as indicated below:

ENTITY SUBMITTING PROPOSALREQUIRED SIGNATURE

Individual	The individual or a duly authorized agent.
Partnership	A partner or a duly authorized agent.
Joint venture	A member or a duly authorized agent of at least one of the joint venture firms.
Corporation	An authorized officer or duly authorized agent of the corporation. Also show the name of the state chartering that corporation and affix the corporate seal.
Limited liability company	A manager, a member, or a duly authorized agent.

- (3) Instead of using the schedule of items provided on the department's bidding proposal, the bidder may submit a substitute schedule with the proposal. Use a format for the substitute schedule conforming to the department's guidelines for approval of a bidder-generated schedule of items. Obtain the department's written approval before using a substitute schedule.
- (4) Provide a unit price for each bid item listed in the schedule of items. Calculate and show, in the bid amount column, the products of the respective unit prices and quantities. For a lump sum bid item, show the same price in the unit price column and in the bid amount column pertaining to that bid item. Show the total bid obtained by adding the values entered in the bid amount column for the listed bid items.
- (5) If a unit price or lump sum bid already entered in the proposal needs to be altered, cross out the entered unit price or lump sum bid with ink or typewriter and enter the new price above or below and initial it in ink.
- (6) A change that the bidder makes in the proposal is not an alteration if the bidder makes that change as directed in a specific instruction contained in an addendum.

102.6.2 Disadvantaged Business Enterprise (DBE) Commitment

- (1) Before the letting is closed, submit the following documentation for proposals with a DBE goal:
1. Commitment to subcontract to DBE on department form DT1506.
 2. Attachment A for each subcontractor listed on the DT1506.
 3. If the DBE goal is not attained, certificate of good faith efforts on department form DT1202.
- (2) Within 24 hours after the letting is closed, email all supplemental documentation for the DT1202 verifying efforts made to attain the DBE goal to DBE_Alert@dot.wi.gov.

102.7.3 Department Will Reject

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

- (1) Proposals are irregular and the department will reject and will not post them if the bidder:
 1. Does not furnish the required proposal guaranty in the proper form and amount as specified in 102.8.
 2. Does not submit a unit price for each bid item listed, except for lump sum bid items where the bidder may show the price in the bid amount column for that bid item.
 3. Includes conditions or qualifications not provided for in the department-supplied bidding proposal.
 4. Submits a bid on a bidding proposal issued to a different bidder without obtaining departmental authorization to do so.
 5. Submits a bid that contains unauthorized revisions in the name of the party to whom the bidding proposal was issued.
 6. Submits a schedule of items with illegibly printed bid item numbers, descriptions, or unit prices.
 7. Submits a schedule of items for the wrong contract.
 8. Submits a bidder-generated schedule of items with an incorrect bid item number and incorrect description for a single bid item.
 9. Omits a bid item or bid items on a bidder-generated schedule of items.
 10. Submits a materially unbalanced bid.
 11. Does not sign the proposal.
 12. Does not submit the DBE forms and required supplemental documentation of the good faith efforts as specified in 102.6.2.

102.12 Public Opening of Proposals

Replace paragraph one with the following effective with the October 2020 letting:

- (1) The letting will close at the time and place indicated in the notice to contractors. The department will publicly open and post the total bid for each proposal on the Bid Express web site beginning at noon on the day after the letting is closed except as specified in 102.7.3 and 102.8. If a proposal has no total bid shown, the department will not post the bid. After verification for accuracy under 103.1, the department will post bid totals on the HCCI web site.

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

103.1 Consideration of Proposals

Replace paragraph one with the following effective with the October 2020 letting:

- (1) Following the public opening of the proposals received, the department will compare them based on the summation of the products of the quantities of work listed and the contract unit prices offered. In case of discrepancies, errors, or omissions, the department will make corrections as specified in 102.7.1. In awarding contracts, the department, in addition to considering the amounts stated in the proposals, may consider one or more of the following:
 1. The responsibility of the various bidders as determined from a study of the data required under 102.1.
 2. The responsiveness of the bid as determined under 102.6.
 3. Information from other investigations that the department may make.

107.17.1 General

Replace paragraph four with the following effective with the November 2020 letting:

- (4) Comply with the railroad's rules and regulations regarding operations on or near the railroad right-of-way as follows:
 - When working on the railroad right-of-way.
 - When working within 25 feet of the track centerline or adjacent facilities, including equipment or extensions of equipment that can fall within 25 feet of the track centerline or adjacent facilities.

If the railroad's chief engineering officer requires, arrange with the railroad to obtain the services of qualified railroad employees to protect railroad traffic through the work area. Bear the cost of these services and pay the railroad directly. Notify the railroad's representative, specified in the project special provisions, in writing at least 40 business days before starting work near a track. Provide the specific time planned to start the operations.

109.6.3.3 Retainage

Delete paragraph two effective with the December 2020 letting:

450.2.1 Acronyms and Definitions

Add the following definitions to 450.2.1(2) effective with the November 2020 letting:

Butt Joint	A transverse joint between existing and newly paved surfaces, formed by milling or sawing a vertical notch into the existing surface and then paving against the notch.
Echelon Paving	Paving two or more adjacent lanes with adjacent pavers offset from each other by 200 feet or less.
Notched Wedge Joint	A longitudinal joint consisting of a wedge placed at the edge of the initially paved lane with an overlapping wedge placed on the subsequent lane.
Tandem Paving	Paving two or more adjacent lanes with adjacent pavers offset from each other by more than 200 feet.
Vertical Joint	A longitudinal joint between 2 paved lanes with a vertical or nearly vertical interface between the adjacent mats.

450.3.2.8 Jointing

Replace paragraph two with the following with the November 2020 letting:

- (2) Where placing against existing HMA pavement, saw or mill the existing mat to form a full-depth joint.

Replace paragraphs five and six with the following effective with the November 2020 letting:

- (5) At the prepave meeting, submit documentation to the engineer that includes the brand name and model of each extruding and compacting device proposed for notched wedge joint construction. Alternatively, submit pictures of fabricated wedging and compacting devices. Do not use devices before engineer approval.
- (6) For notched wedge joints, construct and shape the wedge for each layer using the engineer-approved extruding device and compacting device that will provide a uniform slope and will not restrict the main screed. Compact the wedge with a weighted roller wheel or vibratory plate compactor the same width as the wedge. Clean and apply tack coat to the wedge surface and both notches before placing the adjacent lane.
- (7) For butt and vertical joints, clean and apply tack coat to promote bonding and seal the joint.
- (8) If paving in echelon, the contractor may use a vertical or notched wedge joint. Joints paved in echelon need not be tack coated.

460.2.2.3 Aggregate Gradation Master Range

Replace table 460-1 with the following effective with the November 2020 letting:

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

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

^[1] 14.5 for LT and MT mixes.

^[2] 15.5 for LT and MT mixes.

522.2 Materials

Replace paragraph three with the following effective with the January 2021 letting:

- (3) Manufacture precast reinforced concrete pipe, cattle pass, and apron endwalls in a plant listed under precast concrete fabricators on the APL. Conform to the specified AASHTO standard materials requirements except as follows:
- The contractor may use cement conforming to 501.2.1 or may substitute for portland cement at the time of batching conforming to 501.2.6 for fly ash, 501.2.7 for slag, or 501.2.8 for other pozzolans. In either case the maximum total supplementary cementitious content is limited to 30 percent of the total cementitious content by weight.

532.2.1 General

Replace paragraph one with the following effective with the November 2020 letting:

- (1) Furnish structural steel conforming to ASTM as follows:

<= 1/2 inch thick structural tube and pipe ASTM A500 grade C
 > 1/2 inch thick structural tube and pipe API 5L PSL 2 grade 46 or ASTM 1085
 Tapered vertical supports ASTM A595 grade A or ASTM A572 grade 55
 Multi-sided or greater than 26-inch diameter round tapered poles ASTM A572 grade 65
 Structural angles and plates ASTM A709 grade 36

532.3.8 Acceptance and Inspection

Add the following new subsection effective with the November 2020 letting:

532.3.8 Acceptance and Inspection

- (1) Demonstrate to the engineer that electrical and mechanical systems for each high mast tower installation are fully operational. The department will not accept an installation until the engineer is satisfied that it functions properly.
- (2) Inspect completed "S" or "L" designated structures before opening to public traffic conforming to the BOS structure inspection manual part 4 for sign, signal, and high mast towers available at:

<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/strct/inspection-manual.aspx>

Ensure that a department-certified active team leader for sign/signal inspections, listed on the department's highway structures information system (HSIS) website, performs inspections. Conform to the following:

- Notify the engineer at least 5 business days before inspection.
- Ensure that the team leader performing inspections submits the signed inspection reports and provides punch list items as maintenance items in the inspection report to the engineer within one business day after completing each inspection. Submit that signed final inspection report to the engineer and HSIS at:

<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/strct/hsi.aspx>

- Notify the engineer and region ancillary structure project manager upon completion of the punch list items.

550.2.1 Steel Piles and Pile Shells

Replace paragraph three with the following effective with the November 2020 letting:

- (3) For steel pipe sections and steel pile shells for cast-in-place concrete piles, use ASTM A252 grade 3 steel.

608.2.1 Pipe

Replace paragraph three with the following effective with the January 2021 letting:

- (3) Manufacture precast reinforced concrete pipe for storm sewer in a plant listed under precast concrete fabricators on the APL. Conform to the specified AASHTO materials requirements for the class of precast concrete pipe specified except as follows:
 - The contractor may use cement conforming to 501.2.1 or may substitute for portland cement at the time of batching conforming to 501.2.6 for fly ash, 501.2.7 for slag, or 501.2.8 for other pozzolans. In either case the maximum total supplementary cementitious content is limited to 30 percent of the total cementitious content by weight.

611.2 Materials

Replace paragraph three with the following effective with the January 2021 letting:

- (3) For precast structures conform to AASHTO M199 for circular structures and ASTM C913 for square and rectangular structures. Manufacture in a plant listed under precast concrete fabricators on the APL. Conform to the specified AASHTO materials requirements for the structure specified except as follows:
 - Use concrete with 4700 pounds or more cementitious material per cubic yard.
 - The contractor may use cement conforming to 501.2.1 or may substitute for portland cement at the time of batching conforming to 501.2.6 for fly ash, 501.2.7 for slag, or 501.2.8 for other pozzolans. In either case the maximum total supplementary cementitious content is limited to 30 percent of the total cementitious content by weight.
 - For wet cast use air-entrained concrete with 7.0 percent +/- 1.5 percent air content.

614.3.2.1 Installing Posts

Replace paragraphs four and five with the following effective with the December 2020 letting:

- (4) For bid items 614.0220, 0230, and 2500; do not trim posts before installation and mark one face of each post as follows:

- Draw an embedment depth line.
- Above the embedment line, write the post length.
- Posts 3 through 8 of bid item 614.0220 do not require marking.

Install posts with the markings on the roadway side. Ensure the markings remain on the posts until guardrail final acceptance.

- (5) Ensure that posts are at least the minimum length and minimum embedment the plans show before cutting post tops to the finished elevation. After installation, the engineer may direct the contractor to remove and re-install up to 5% of the posts to verify they were placed to the required plan depth. If a post is embedded less than the required plan depth, the engineer may direct additional sampling. Re-install sampled posts at the locations and to the depths the plans show. Replace posts and other components that are damaged during sampling.
- (6) Provide offset block-mounted reflectors as the plans show.

650.3.7 Structure Layout Staking

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

- (1) Set construction stakes or marks on a line offset from the structure centerline or on a reference line, whichever is appropriate, for both roadway and substructure units. Establish the plan horizontal and vertical positions to the required accuracy. Also, set and maintain stakes and marks as necessary to support the method of operations. Locate stakes and marks to within 0.02 feet of the true horizontal position, and establish the grade elevation to within 0.01 feet of true vertical position.
- (2) For girder bridges, the department will compute deck grades with contractor-supplied girder elevation data.
- (3) For slab span bridges, the department will compute slab grades using contractor-supplied falsework settlement and deflection data at tenth points along slab edges, the crown, and reference line locations. Before releasing falsework, survey top-of-slab elevations at the centerline of the abutments and at the 5/10th point along slab edges, the crown, and reference line locations to verify the camber.

710.2 Small Quantities

Replace paragraph one with the following effective with the November 2020 letting:

- (1) For contracts with only small quantities of material subject to testing, as defined under specific contract QMP provisions, modify the requirements of 710 as follows:
1. The contractor may submit an abbreviated quality control plan as allowed in 701.1.2.3.
 2. The engineer may accept aggregate based on documented previous testing and non-random start-up gradation testing as allowed in 710.5.6.1.

710.4 Concrete Mixes

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

- (2) At least 3 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, and air content.
 2. For cementitious materials and admixtures: type, brand, and source.
 3. For aggregates: absorption, SSD bulk specific gravity, wear, soundness, freeze thaw test results if required, and air correction factor. Also include proposed combined gradation limits and target individual gradations, including P200 limits..

710.5.6 Aggregate Testing

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

710.5.6.1 General

- (1) Test aggregate gradations during concrete production. The department will accept non-random start-up testing during concrete production for the following:
 - Small quantities, as defined in 715.1.1.2, of class I concrete placed under 715.
 - Less than 400 cubic yards of class II ancillary concrete placed under the contract.

710.5.6.2 Gradation Testing During Concrete Production

- (1) Test aggregate gradation during concrete production batching either at a central mix batch plant or at a ready mix plant. The contractor's concrete production QC tests can be used for the same mix design on multiple contracts.
- (2) Conform to combined gradation limits either calculated using department form WS3012 or custom limits approved as a part of the contractor's quality control plan. For class II concrete, also conform to the additional combined gradation requirements specified for class I concrete in 715.2.2.
- (3) Determine the complete gradation using a washed analysis for both fine and coarse aggregates. Report results for the 1 1/2", 1", 3/4", 1/2", 3/8", #4, #8, #16, #30, #50, #100, and #200 sieves.
- (4) Contractor QC testing frequency is based on the cumulative plant production for each mix design across multiple WisDOT contracts.

TABLE 710-1 PLANT PRODUCTION QC GRADATION TESTING FREQUENCY

Daily Plant Production Rate for WisDOT Work	Minimum QC Frequency per Stockpile
250 cubic yards or less	one test per cumulative total of 250 cubic yards
more than 250 through 1000 cubic yards	one test per day
more than 1000 cubic yards	two tests per day

- (5) Department QV testing frequency is based on the quantity of each mix design placed under each individual WisDOT contract.

TABLE 710-2 CONTRACT PLACEMENT QV GRADATION TESTING FREQUENCY

Anticipated Daily Placement Rate Each WisDOT Contract	Minimum QV Frequency per Stockpile
less than or equal to 1000 cubic yards	one test per 5 days of placement
more than 1000 cubic yards	two tests per 5 days of placement

715.2.2 Combined Aggregate Gradation

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

- (1) Ensure that the combined aggregate gradation conforms to the following, expressed as weight percentages of the total aggregate:
 1. One hundred percent passes the 2-inch sieve.
 2. For mixes containing size No. 2 stone, the percent passing the 1-inch sieve is less than or equal to 89. The engineer may waive this requirement if the clear spacing between reinforcing bars is less than 2 inches.
 3. The percent passing the No. 4 sieve is less than or equal to 42, except if the coarse aggregate is completely composed of crushed stone, up to 47 percent may pass the No. 4 sieve. For pavement, coarse aggregate may be completely composed of crushed concrete, in which case up to 47 percent may pass the No. 4 sieve.
 4. The percent passing the No. 200 sieve is less than or equal to 2.3 percent.

716.2.1 Class II Concrete

Replace paragraphs four through six with the following effective with the November 2020 letting:

- (4) Provide concrete with a 28-day compressive strength that equals or exceeds the following:
 - If the contract specifies f'_c , then f'_c .
 - If the contract does not specify f'_c , then 3000 psi.

ERRATA

101.3 Definitions

Adopt AASHTO change order definition.

Change order A written order to the contractor detailing changes to the specified work quantities or modifications within the scope of the original contract..

Delete existing contract change order, contract modification, and contract revision definitions.

460.2.7(1) HMA Mixture Design

Correct table 460-2 errata by eliminating plasticity index requirements for LT, MT, and HT mixes.

TABLE 460-2 MIXTURE REQUIREMENTS

Mixture type	LT	MT	HT	SMA
LA Wear (AASHTO T96)				
100 revolutions(max % loss)	13	13	13	13
500 revolutions(max % loss)	50	45	45	35
Soundness (AASHTO T104) (sodium sulfate, max % loss)	12	12	12	12
Freeze/Thaw (AASHTO T103 as modified in CMM 860.2.7) (specified counties, max % loss)	18	18	18	18
Fractured Faces (ASTM D5821 as modified in CMM 860.7.2) (one face/2 face, % by count)	65/___	75 / 60	98 / 90	100/90
Flat & Elongated (ASTM D4791) (max %, by weight)	5 (5:1 ratio)	5 (5:1 ratio)	5 (5:1 ratio)	20 (3:1 ratio)
Fine Aggregate Angularity (AASHTO T304, method A, min)	40 ^[1]	43 ^[1]	45	45
Sand Equivalency (AASHTO T176, min)	40	40 ^[2]	45	50
Clay Lumps and Friable Particle in Aggregate (AASHTO T112)	<= 1%	<= 1%	<= 1%	<= 1%
Plasticity Index of Material Added to Mix Design as Mineral Filler (AASHTO T89/90)				<= 4
Gyratory Compaction				
Gyrations for Nini	6	7	8	7
Gyrations for Ndes	40	75	100	65
Gyrations for Nmax	60	115	160	100
Air Voids, %Va (%Gmm Ndes)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.5 (95.5)
% Gmm Nini	<= 91.5 ^[3]	<= 89.0 ^[3]	<= 89.0	___
% Gmm Nmax	<= 98.0	<= 98.0	<= 98.0	<= 98.0
Dust to Binder Ratio ^[4] (% passing 0.075/Pbe)	0.6 - 1.2 ^[5]	0.6 - 1.2 ^[5]	0.6 - 1.2 ^[5]	1.2 - 2.0
Voids filled with Binder (VFB or VFA, %)	68 - 80 ^[6] ^[8]	65 - 75 ^[6] ^[7] ^[9]	65 - 75 ^[6] ^[7] ^[9]	70 - 80
Tensile Strength Ratio (TSR) (AASHTO T283) ^[10] ^[11]				
no antistripping additive	0.75 min	0.75 min	0.75 min	0.80 min
with antistripping additive	0.80 min	0.80 min	0.80 min	0.80 min
Draindown (AASHTO T305) (%)	___	___	___	<= 0.30
Minimum Effective Asphalt Content, Pbe (%)	___	___	___	5.5

^[1] For No 6 (4.75 mm) nominal maximum size mixes, the specified fine aggregate angularity is 43 for LT and 45 MT mixes.

^[2] For No 6 (4.75 mm) nominal maximum size mixes, the specified sand equivalency is 43 for MT mixes.

^[3] The percent maximum density at initial compaction is only a guideline.

^[4] For a gradation that passes below the boundaries of the caution zone (ref. AASHTO M323), the dust to binder ratio limits are 0.6 - 1.6.

^[5] For No 6 (4.75 mm) nominal maximum size mixes, the specified dust to binder ratio limits are 1.0 - 2.0 for LT mixes and 1.5 - 2.0 for MT and HT mixes.

^[6] For No. 6 (4.75mm) nominal maximum size mixes, the specified VFB is 67 - 79 percent for LT mixes and 66 - 77 percent for MT and HT mixes.

^[7] For No. 5 (9.5mm) and No. 4 (12.5 mm) nominal maximum size mixtures, the specified VFB range is 70 - 76 percent.

^[8] For No. 2 (25.0mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

^[9] For No. 1 (37.5mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

^[10] WisDOT eliminates freeze-thaw conditioning cycles from the TSR test procedure.

^[11] Run TSR at asphalt content corresponding to 3.0% air void regressed design, or 4.5% air void design for SMA, using distilled water for testing.

513.2.1(2) General

Correct errata by changing the CMM reference from 875.2 to 875.4.

- (2) Conform to the department's certification method of acceptance, as defined in CMM 875.4, for railing and railing components. Furnish a certificate of compliance for miscellaneous hardware.
-

531.1(1) Description

Correct errata by adding structural steel sign supports constructed under 635.

- (1) This section describes constructing drilled shaft foundations for the following:
- Overhead sign structures constructed under 532.
 - High mast light towers constructed under 532.
 - Structural steel sign supports constructed under 635.
 - Camera poles constructed under 677.
-

635.3.1(1) Structural Steel Sign Supports

Correct errata by adding "type NS" concrete footings.

- (1) Locate and erect the supports as specified for placement and orientation in 637.3.3.2. Construct Type NS concrete footings conforming to 531.
-

654.5(2) Payment

Correct errata by changing excavating to drilling.

- (2) Payment for the Bases bid items is full compensation for providing concrete bases; for embedded conduit and electrical components; for anchor templates, rods, nuts, and washers; for bar steel reinforcement; and for drilling and backfilling.
-

ADDITIONAL SPECIAL PROVISION 7

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

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

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

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

ADDITIONAL SPECIAL PROVISION 9

Electronic Certified Payroll or Labor Data Submittal

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

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

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

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

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

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

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

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: 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, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b.(1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or

will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant 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 first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction 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 or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant 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 or agency may terminate this transaction for cause or default.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) 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;

(3) 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 offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction 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 or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. 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 participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant 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 or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

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).

SEPTEMBER 2002

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE
EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)**

1. The Offeror's or Bidder's attention is called to the "Employment Practices" and "Equal Opportunity Clause" set forth in the Required Contract Provisions, FHWA 1273.
2. The goals and timetables for minority and female participation expressed in percentage terms for the contractor's aggregate work force in each trade, on all construction work in the covered area, are as follows:

Goals for Minority Participation for Each Trade:

<u>County</u>	<u>%</u>	<u>County</u>	<u>%</u>	<u>County</u>	<u>%</u>
Adams	1.7	Iowa	1.7	Polk	2.2
Ashland	1.2	Iron	1.2	Portage	0.6
Barron	0.6	Jackson	0.6	Price	0.6
Bayfield	1.2	Jefferson	7.0	Racine	8.4
Brown	1.3	Juneau	0.6	Richland	1.7
Buffalo	0.6	Kenosha	3.0	Rock	3.1
Burnett	2.2	Kewaunee	1.0	Rusk	0.6
Calumet	0.9	La Crosse	0.9	St. Croix	2.9
Chippewa	0.5	Lafayette	0.5	Sauk	1.7
Clark	0.6	Langlade	0.6	Sawyer	0.6
Columbia	1.7	Lincoln	0.6	Shawano	1.0
Crawford	0.5	Manitowoc	1.0	Sheboygan	7.0
Dane	2.2	Marathon	0.6	Taylor	0.6
Dodge	7.0	Marinette	1.0	Trempealeau	0.6
Door	1.0	Marquette	1.7	Vernon	0.6
Douglas	1.0	Menominee	1.0	Vilas	0.6
Dunn	0.6	Milwaukee	8.0	Walworth	7.0
Eau Claire	0.5	Monroe	0.6	Washburn	0.6
Florence	1.0	Oconto	1.0	Washington	8.0
Fond du Lac	1.0	Oneida	0.6	Waukesha	8.0
Forest	1.0	Outagamie	0.9	Waupaca	1.0
Grant	0.5	Ozaukee	8.0	Waushara	1.0
Green	1.7	Pepin	0.6	Winnebago	0.9
Green Lake	1.0	Pierce	2.2	Wood	0.6

Goals for female participation for each trade: 6.9%

These goals are applicable to all the contractor's construction work, (whether or not it is federal or federally assisted), performed in the covered area. If the contractor performs construction work in the geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The contractor's compliance with the Executive Order and the Regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project for the sole purpose of meeting the contractor's goals shall be a violation of the contract, the Executive Order and the Regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor, employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

As referred to in this section, the Director means:

Director
Office of Federal Contract Compliance Programs
Ruess Federal Plaza
310 W. Wisconsin Ave., Suite 1115
Milwaukee, WI 53202

The "Employer Identification Number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.

4. As used in this notice, and in the contract resulting from solicitation, the "covered area" is the county(ies) in Wisconsin to which this proposal applies.

APRIL 2013

ADDITIONAL FEDERAL-AID PROVISIONS

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidding collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

Effective November 2020 letting

BUY AMERICA PROVISION

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials from smelting forward in the manufacturing process must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America. The exemption of this requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project. The contractor shall take actions and provide documentation conforming to CMM 2-28.5 to ensure compliance with this "Buy America" provision.

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

Upon completion of the project certify to the engineer, in writing using department form DT4567, that all steel, iron, and coating processes for steel or iron incorporated into the contract work conform to these "Buy America" provisions. Attach a list of exemptions and their associated costs to the certification form. Department form DT4567 is available at:

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

Cargo Preference Act Requirement

All Federal-aid projects shall comply with 46 CFR 381.7 (a) – (b) as follows:

(a) Agreement Clauses. "Use of United States-flag vessels:"

(1) Pursuant to Pub. L. 664 (43 U.S.C. 1241(b)) at least 50 percent of any equipment, materials or commodities procured, contracted for or otherwise obtained with funds granted, guaranteed, loaned, or advanced by the U.S. Government under this agreement, and which may be transported by ocean vessel, shall be transported on privately owned United States-flag commercial vessels, if available.

(2) Within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (a)(1) of this section shall be furnished to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590."

(b) Contractor and Subcontractor Clauses. "Use of United States-flag vessels: The contractor agrees—"

(1) To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

(2) To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b) (1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

(3) To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

**WISCONSIN DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION AND SYSTEM DEVELOPMENT**

**SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS
FOR PROJECTS WITH FEDERAL AID**

I. PREVAILING WAGE RATES

The attached U.S. Department of Labor (Davis-Bacon Minimum Wage Rates) furnishes the minimum prevailing wage rates pursuant to the Davis-Bacon and Related Acts. The wage rates shown are the minimum rates required by the contract to be paid during its life, however this is not a representation that labor can be obtained at these rates. It is the responsibility of bidders to inform themselves as to the local labor conditions and prospective changes or adjustments of wage rates. No increase in the contract price will be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

II. COVERAGE OF TRUCK DRIVERS

Truck drivers are covered by Davis-Bacon Minimum Wage Rates in the following circumstances:

- Drivers of a contractor or subcontractor for time spent working on the site of the work.
- Drivers of a contractor or subcontractor for time spent loading and/or unloading materials and supplies on the site of the work, if such time is not de minimis. https://www.dol.gov/whd/FOH/FOH_Ch15.pdf
- Truck drivers transporting materials or supplies between a facility that is deemed part of the site of the work and the actual construction site.
- Truck drivers transporting portions of the building or work between a site established specifically for the performance of the contract where a significant portion of such building or work is constructed and the physical place where the building or work called for in the contract will remain.

Truck drivers are not covered by Davis-Bacon Minimum Wage Rates in the following circumstances:

- Material delivery truck drivers while off the site of the work.
- Drivers of a contractor or subcontractor traveling between a Davis-Bacon job and a commercial supply facility while they are off the site of the work."
- Truck drivers whose time spent on the site of the work is de minimis, such as only a few minutes at a time merely to pick up or drop off materials or supplies.

Details are available online at:

<https://www.dol.gov/whd/recovery/pwrb/Tab9.pdf>

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

III. POSTINGS AT THE SITE OF THE WORK

In addition to the required postings furnished by the department, the contractor shall post the following in at least one conspicuous and accessible place at the site of work:

- a. A copy of the contractor's Equal Employment Opportunity Policy.

All required documents shall be posted by the first day of work and be accurate and complete. Postings must be readable, in an area where they will be noticed, and maintained until the last day of work.

IV. RESOURCES

Required information regarding compliance with federal provisions is found in the following resources:

- FHWA-1273 included in this contract
- U.S. Department of Labor Prevailing Wage Resource Book
- U.S. Department of Labor Field Operations Handbook
- U.S. Code of Federal Regulations
- Any applicable law, Act, or Executive Order enacted by the federal government at the time of the letting of this contract

"General Decision Number: WI20210010 07/09/2021

Superseded General Decision Number: WI20200010

State: Wisconsin

Construction Type: Highway

Counties: Wisconsin Statewide.

HIGHWAY, AIRPORT RUNWAY & TAXIWAY CONSTRUCTION PROJECTS (does not include bridges over navigable waters; tunnels; buildings in highway rest areas; and railroad construction)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/01/2021
1	03/12/2021
2	03/19/2021
3	04/09/2021
4	05/14/2021
5	07/09/2021

BRWI0001-002 06/01/2020

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND
VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.31	24.7 7

BRWI0002-002 06/01/2020		

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 42.77	23.47

BRWI0002-005 06/01/2020		

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA,
CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC,
FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE,
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,
OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK,
SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA,
WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 36.68	23.40

BRWI0003-002 06/01/2020		

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.68	24.40

BRWI0004-002 06/01/2020		

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.90	25.53

BRWI0006-002 06/01/2020		

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,

ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 36.60	23.48

BRWI0007-002 06/01/2020

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 37.07	24.72

BRWI0008-002 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.75	24.32

BRWI0011-002 06/01/2020

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.68	24.40

BRWI0019-002 06/01/2020

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.86	25.22

BRWI0034-002 06/01/2020

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 37.36	24.43

CARP0087-001 05/01/2016

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

	Rates	Fringes
Carpenter & Piledrivermen.....	\$ 36.85	18.39

CARP0252-002 06/01/2016

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO, BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except area bordering Michigan State Line), FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON, JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E. of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CARPENTER		
CARPENTER.....	\$ 33.56	18.00
MILLWRIGHT.....	\$ 35.08	18.35
PILEDRIVER.....	\$ 34.12	18.00

CARP0252-010 06/01/2016

ASHLAND COUNTY

	Rates	Fringes
Carpenters		
Carpenter.....	\$ 33.56	18.00
Millwright.....	\$ 35.08	18.35
Pile Driver.....	\$ 34.12	18.00

CARP0264-003 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 35.78	22.11

CARP0361-004 05/01/2018		

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

CARP2337-001 06/01/2016		

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIVERMAN		
Zone A.....	\$ 31.03	22.69
Zone B.....	\$ 31.03	22.69

ELEC0014-002 06/14/2020		

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK
(except Maryville, Colby, Unity, Sherman, Fremont, Lynn &
Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA
CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST
CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON, AND WASHBURN
COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.98	20.98

ELEC0014-007 07/05/2020		

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician.....	\$ 27.75	15.14

Low voltage construction, installation, maintenance and
removal of teledata facilities (voice, data, and video)

including outside plant, telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated systems digital network).

ELEC0127-002 06/01/2020

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 41.62	30%+12.70

ELEC0158-002 06/01/2020

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE(Wausuakee and area South thereof), OCONTO, MENOMINEE (East of a line 6 miles West of the West boundary of Oconto County), SHAWANO (Except Area North of Townships of Aniwa and Hutchins) COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 34.77	29.75%+10.26

ELEC0159-003 08/02/2020

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and Emmet Townships), GREEN, LAKE (except Townships of Berlin, Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 41.86	22.67

ELEC0219-004 06/01/2019

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern, Florence and Homestead) AND MARINETTE COUNTY (Township of Niagara)

	Rates	Fringes

Electricians:

Electrical contracts over		
\$180,000.....	\$ 33.94	21.80
Electrical contracts under		
\$180,000.....	\$ 31.75	21.73

ELEC0242-005 05/31/2020

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 39.77	28.11

ELEC0388-002 06/01/2020

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:.....	\$ 34.85	26%+11.20

ELEC0430-002 02/02/2021

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 41.859	22.871

* ELEC0494-005 06/01/2021

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 44.39	25.67

* ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.91	22.74

 * ELEC0494-013 06/01/2021

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupuin), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 22.39	18.80
Technician.....	\$ 32.49	20.26

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

 ELEC0577-003 06/01/2020

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:.....	\$ 34.23	29.50%+10.00

* ELEC0890-003 06/01/2021

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,
RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 39.00	25.95%+11.17

ELEC0953-001 06/02/2019

	Rates	Fringes
Line Construction:		
(1) Lineman.....	\$ 47.53	21.43
(2) Heavy Equipment Operator.....	\$ 42.78	19.80
(3) Equipment Operator.....	\$ 38.02	18.40
(4) Heavy Groundman Driver..	\$ 33.27	16.88
(5) Light Groundman Driver..	\$ 30.89	16.11
(6) Groundsman.....	\$ 26.14	14.60

ENGI0139-005 06/01/2020

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.62	23.80
Group 2.....	\$ 41.12	23.80
Group 3.....	\$ 40.62	23.80
Group 4.....	\$ 40.36	23.80
Group 5.....	\$ 40.07	23.80
Group 6.....	\$ 34.17	23.80

HAZARDOUS WASTE PREMIUMS:

EPA Level ""A"" protection - \$3.00 per hour
EPA Level ""B"" protection - \$2.00 per hour
EPA Level ""C"" protection - \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without
attachments with a lifting capacity of over 100 tons; or
cranes, tower cranes, and derricks with boom, leads and/or
jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without
attachments with a lifting capacity of 100 tons or less; or

cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs; pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender, day light machine

GROUP 6: Off-road material hauler with or without ejector.

* IRON0008-002 06/01/2021

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC,
MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO
COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 38.77	28.15

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
Day, Thanksgiving Day & Christmas Day.

* IRON0008-003 06/01/2021

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),
WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 40.57	28.40

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
Day, Thanksgiving Day & Christmas Day.

* IRON0383-001 06/06/2021

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST,
GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA,
JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON,
MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern
area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA,
WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.75	27.06

IRON0498-005 06/01/2019

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and
WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 40.25	40.53

IRON0512-008 06/03/2019		

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.60	29.40

IRON0512-021 05/03/2021		

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.09	31.80

LAB00113-002 06/01/2020		

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 30.05	22.26
Group 2.....	\$ 30.20	22.26
Group 3.....	\$ 30.40	22.26
Group 4.....	\$ 30.55	22.26
Group 5.....	\$ 30.70	22.26
Group 6.....	\$ 26.54	22.26

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;
Demolition and Wrecking Laborer; Guard Rail, Fence, and
Bridge Builder; Landscaper; Multiplate Culvert Assembler;
Stone Handler; Bituminous Worker (Shoveler, Loader, and
Utility Man); Batch Truck Dumper or Cement Handler;
Bituminous Worker (Dumper, Ironer, Smoother, and Tamper);
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler

(Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LAB00113-003 06/01/2020

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 29.30	22.26
Group 2.....	\$ 29.40	22.26
Group 3.....	\$ 29.45	22.26
Group 4.....	\$ 29.65	22.26
Group 5.....	\$ 29.50	22.26
Group 6.....	\$ 26.39	22.26

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

LAB00113-011 06/01/2020

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 29.11	22.26
Group 2.....	\$ 29.26	22.26
Group 3.....	\$ 29.46	22.26
Group 4.....	\$ 29.43	22.26
Group 5.....	\$ 29.76	22.26
Group 6.....	\$ 26.25	22.26

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

LAB00140-002 06/01/2020

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE,

RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST.
CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN,
WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.72	17.95
Group 2.....	\$ 33.82	17.95
Group 3.....	\$ 33.87	17.95
Group 4.....	\$ 34.07	17.95
Group 5.....	\$ 33.92	17.95
Group 6.....	\$ 30.35	17.95

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;
Demolition and Wrecking Laborer; Guard Rail, Fence, and
Bridge Builder; Landscaper; Multiplate Culvert Assembler;
Stone Handler; Bituminous Worker (Shoveler, Loader, and
Utility Man); Batch Truck Dumper or Cement Handler;
Bituminous Worker (Dumper, Ironer, Smoother and Tamper);
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler
(Pavement); Vibrator or Tamper Operator (Mechanical Hand
Operated); Chain Saw Operator, Demolition Burning Torch
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter
(Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LAB00464-003 06/01/2020

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 34.00	17.95
Group 2.....	\$ 34.10	17.95
Group 3.....	\$ 34.15	17.95

Group 4.....	\$ 34.35	17.95
Group 5.....	\$ 34.20	17.95
Group 6.....	\$ 30.35	17.95

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 30.33	17.27
Spray, Sandblast, Steel....	\$ 30.93	17.27
Repaint:		
Brush, Roller.....	\$ 28.83	17.27
Spray, Sandblast, Steel....	\$ 29.43	17.27

PAIN0108-002 06/01/2019

RACINE COUNTY

	Rates	Fringes

Painters:

Brush, Roller.....	\$ 36.08	20.36
Spray & Sandblast.....	\$ 37.08	20.36

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK,
SAWYER, ST. CROIX, AND WASHBURN COUNTIES

	Rates	Fringes
PAINTER.....	\$ 24.11	12.15

PAIN0259-004 05/01/2015

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPLEAU, AND
VERNON COUNTIES

	Rates	Fringes
PAINTER.....	\$ 22.03	12.45

PAIN0781-002 06/01/2019

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 33.30	23.86
Brush.....	\$ 32.95	23.86
Spray & Sandblast.....	\$ 33.70	23.86

PAIN0802-002 06/01/2019

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,
ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush.....	\$ 30.93	18.44

PREMIUM PAY:
Structural Steel, Spray, Bridges = \$1.00 additional per
hour.

PAIN0802-003 06/01/2019

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN
LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC,
MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA,
OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS,
WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER.....	\$ 30.93	18.58

PAIN0934-001 06/01/2017		

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 33.74	18.95
Spray.....	\$ 34.74	18.95
Structural Steel.....	\$ 33.89	18.95

PAIN1011-002 06/02/2019		

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 25.76	13.33

PLAS0599-010 06/01/2017		

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area 1.....	\$ 39.46	17.17
Area 2 (BAC).....	\$ 35.07	19.75
Area 3.....	\$ 35.61	19.40
Area 4.....	\$ 34.70	20.51
Area 5.....	\$ 36.27	18.73
Area 6.....	\$ 32.02	22.99

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN
COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET,

CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE,
FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE,
LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE,
MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK,
PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR,
VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD
COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA
CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPPEALEAU, AND
VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK
COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

* TEAM0039-001 06/01/2021

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 32.57	23.81
3 or more Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....	\$ 32.72	23.81

WELL DRILLER.....	\$ 16.52	3.70

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave
for Federal Contractors applies to all contracts subject to the
Davis-Bacon Act for which the contract is awarded (and any
solicitation was issued) on or after January 1, 2017. If this
contract is covered by the EO, the contractor must provide
employees with 1 hour of paid sick leave for every 30 hours
they work, up to 56 hours of paid sick leave each year.
Employees must be permitted to use paid sick leave for their
own illness, injury or other health-related needs, including
preventive care; to assist a family member (or person who is
like family to the employee) who is ill, injured, or has other

health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average

rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted

because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

August 2018

NOTICE TO BIDDERS WAGE RATE DECISION

The wage rate decision of the Department of Labor which has been incorporated in these advertised specifications is incomplete in that the classifications may be omitted from the Department of Labor's decision.

Since the bidder is responsible, independently, for ascertaining area practice with respect to the necessity, or lack of necessity, for the use of these classifications in the prosecution of the work contemplated by this project, no inference may be drawn from the omission of these classifications concerning prevailing area practices relative to their use. Further, this omission will not, per se, be construed as establishing any governmental liability for increased labor cost if it is subsequently determined that such classifications are required.

There may be omissions and/or errors in the federal wage rates. The bidder is responsible for evaluating and determining the correct applicable rate.

If a project includes multiple types of construction (highway, bridge over navigable water, sanitary sewer and water main, building) and there is not a separate wage determination for this type of work included in the proposal, use the wage determination that is in the proposal.

If a project includes multiple types of construction, different wage rate determinations may be inserted into the contract (WI10/Highway = in all WisDOT highway contracts, WI15/Heavy = bridge over navigable water per USDOL and US Coast Guard designation, WI8/Heavy (Sewer & Water Line & Tunnel) = sanitary sewer and water main if the cost is more than 20% of the contract and/or at least \$1,000,000, and Building). If multiple wage rate determinations are inserted into the contract, use the classification in the wage determination for the work being done. Use WI15 wage rates when working on the bridge and/or structure from bank to bank. Use WI8 wage rates when working on any sanitary sewer or water main work. Use Building wage rates for all work done within the footprint of the building. Use WI10 wage rates for all other highway work in the contract and approaches to structures. For example, if a laborer is working within the footprint of a building, use the Laborer rate in the Building wage determination inserted in the contract. If a laborer is working on a bridge/structure within the banks, use the Laborer rate in the WI15/Heavy wage determination if inserted in the contract. If the laborer is working on the highway, use the Laborer rate in the WI10/Highway wage determination.



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Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	108.4400 CPM Progress Schedule	1.000 EACH	_____.	_____.
0004	201.0105 Clearing	45.000 STA	_____.	_____.
0006	201.0120 Clearing	60.000 ID	_____.	_____.
0008	201.0205 Grubbing	45.000 STA	_____.	_____.
0010	201.0220 Grubbing	60.000 ID	_____.	_____.
0012	203.0200 Removing Old Structure (station) 01. 120+00	LS	LUMP SUM	_____.
0014	203.0210.S Abatement of Asbestos Containing Material (structure) 01. B-40-153	LS	LUMP SUM	_____.
0016	204.0100 Removing Concrete Pavement	73,989.000 SY	_____.	_____.
0018	204.0109.S Removing Concrete Surface Partial Depth	322,878.000 SF	_____.	_____.
0020	204.0110 Removing Asphaltic Surface	170.000 SY	_____.	_____.
0022	204.0115 Removing Asphaltic Surface Butt Joints	671.000 SY	_____.	_____.
0024	204.0120 Removing Asphaltic Surface Milling	85,590.000 SY	_____.	_____.
0026	204.0150 Removing Curb & Gutter	7,524.000 LF	_____.	_____.
0028	204.0155 Removing Concrete Sidewalk	2,902.000 SY	_____.	_____.
0030	204.0165 Removing Guardrail	1,932.000 LF	_____.	_____.
0032	204.0175 Removing Concrete Slope Paving	485.000 SY	_____.	_____.



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Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0034	204.0185 Removing Masonry	40.000 CY	_____.	_____.
0036	204.0195 Removing Concrete Bases	63.000 EACH	_____.	_____.
0038	204.0210 Removing Manholes	14.000 EACH	_____.	_____.
0040	204.0220 Removing Inlets	100.000 EACH	_____.	_____.
0042	204.0245 Removing Storm Sewer (size) 01. 12-INCH	837.000 LF	_____.	_____.
0044	204.0245 Removing Storm Sewer (size) 01. 12-INCH	3,525.000 LF	_____.	_____.
0046	204.0245 Removing Storm Sewer (size) 02. 15-INCH	278.000 LF	_____.	_____.
0048	204.0245 Removing Storm Sewer (size) 03. 18-INCH	1,323.000 LF	_____.	_____.
0050	204.0245 Removing Storm Sewer (size) 04. 24-INCH	716.000 LF	_____.	_____.
0052	204.0245 Removing Storm Sewer (size) 04. 24-INCH	521.000 LF	_____.	_____.
0054	204.0245 Removing Storm Sewer (size) 05. 30-INCH	226.000 LF	_____.	_____.
0056	204.0245 Removing Storm Sewer (size) 06. 36-INCH	416.000 LF	_____.	_____.
0058	204.0245 Removing Storm Sewer (size) 07. 42-INCH	1,057.000 LF	_____.	_____.
0060	204.0245 Removing Storm Sewer (size) 08. 48-INCH	292.000 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
0062	204.0250 Abandoning Manholes	2.000 EACH	_____.	_____.
0064	204.0280 Sealing Pipes	6.000 EACH	_____.	_____.
0066	204.0291.S Abandoning Sewer	150.000 CY	_____.	_____.
0068	204.9060.S Removing (item description) 61. Removing Communication Vault	2.000 EACH	_____.	_____.
0070	204.9105.S Removing (item description) 61. Remove Traffic Signals STH 57 & STH 100	LS	LUMP SUM	_____.
0072	204.9105.S Removing (item description) 62. Remove Traffic Signals STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0074	204.9105.S Removing (item description) 63. Remove Traffic Signals STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0076	204.9105.S Removing (item description) 64. Remove Traffic Signals STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0078	204.9105.S Removing (item description) 65. Remove Traffic Signals STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0080	204.9105.S Removing (item description) 66. Remove Loop Detector Wire and Lead-In Cable STH 57 & STH 100	LS	LUMP SUM	_____.
0082	204.9105.S Removing (item description) 67. Remove Loop Detector Wire and Lead-In Cable STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0084	204.9105.S Removing (item description) 68. Remove Loop Detector Wire and Lead-In Cable STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.



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Contract Items

Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0086	204.9105.S Removing (item description) 69. Remove Loop Detector Wire and Lead-In Cable STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0088	204.9105.S Removing (item description) 70. Remove Loop Detector Wire and Lead-In Cable STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0090	205.0100 Excavation Common	144,693.000 CY	_____.	_____.
0092	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	1.700 TON	_____.	_____.
0094	208.0100 Borrow	3,996.000 CY	_____.	_____.
0096	209.1500 Backfill Granular Grade 1	11,666.000 TON	_____.	_____.
0098	211.0100 Prepare Foundation for Asphaltic Paving (project) 01. 2270-04-70	LS	LUMP SUM	_____.
0100	213.0100 Finishing Roadway (project) 01. 2270-04-70	1.000 EACH	_____.	_____.
0102	213.0100 Finishing Roadway (project) 02. 2565-07-70	1.000 EACH	_____.	_____.
0104	214.0100 Obliterating Old Road	38.500 STA	_____.	_____.
0106	305.0110 Base Aggregate Dense 3/4-Inch	6,141.000 TON	_____.	_____.
0108	305.0120 Base Aggregate Dense 1 1/4-Inch	39,273.000 TON	_____.	_____.
0110	312.0110 Select Crushed Material	76,284.000 TON	_____.	_____.
0112	390.0103 Base Patching	106.000 SY	_____.	_____.



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Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0114	390.0203 Base Patching Asphaltic	864.000 SY	_____.	_____.
0116	390.0303 Base Patching Concrete	2,139.000 SY	_____.	_____.
0118	405.0100 Coloring Concrete WisDOT Red	156.000 CY	_____.	_____.
0120	405.0200 Coloring Concrete Custom 01. Scofield Rust Fields	1,401.000 CY	_____.	_____.
0122	405.0200 Coloring Concrete Custom 02. Scofield Schooner Beige	363.000 CY	_____.	_____.
0124	405.0200 Coloring Concrete Custom 03. Scofield Plum Chestnut	213.000 CY	_____.	_____.
0126	415.0080 Concrete Pavement 8-Inch	54,710.000 SY	_____.	_____.
0128	415.0085 Concrete Pavement 8 1/2-Inch	12,100.000 SY	_____.	_____.
0130	415.1080 Concrete Pavement HES 8-Inch	5,439.000 SY	_____.	_____.
0132	415.5110.S Concrete Pavement Joint Layout 01. 2270-04-70	LS	LUMP SUM	_____.
0134	415.5110.S Concrete Pavement Joint Layout 02. 2565-07-70	LS	LUMP SUM	_____.
0136	416.0160 Concrete Driveway 6-Inch	140.000 SY	_____.	_____.
0138	416.0512 Concrete Truck Apron 12-Inch	470.000 SY	_____.	_____.
0140	450.4000 HMA Cold Weather Paving	2,446.000 TON	_____.	_____.
0142	455.0605 Tack Coat	6,921.000 GAL	_____.	_____.



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Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0144	460.2000 Incentive Density HMA Pavement	12,810.000 DOL	1.00000	12,810.00
0146	460.6223 HMA Pavement 3 MT 58-28 S	11,817.000 TON	_____.	_____.
0148	460.6224 HMA Pavement 4 MT 58-28 S	8,877.000 TON	_____.	_____.
0150	465.0125 Asphaltic Surface Temporary	3,608.000 TON	_____.	_____.
0152	465.0310 Asphaltic Curb	736.000 LF	_____.	_____.
0154	495.1000.S Cold patch	20.000 TON	_____.	_____.
0156	502.0100 Concrete Masonry Bridges	1.000 CY	_____.	_____.
0158	502.0717.S Crack Sealing Epoxy	60.000 LF	_____.	_____.
0160	502.3200 Protective Surface Treatment	2,377.000 SY	_____.	_____.
0162	502.3210 Pigmented Surface Sealer	86.000 SY	_____.	_____.
0164	502.3215.S Protective Surface Treatment Reseal	1,288.000 SY	_____.	_____.
0166	505.0600 Bar Steel Reinforcement HS Coated Structures	50.000 LB	_____.	_____.
0168	509.0200 Preparation Approaches	303.000 SY	_____.	_____.
0170	509.0301 Preparation Decks Type 1	1,273.000 SY	_____.	_____.
0172	509.0302 Preparation Decks Type 2	955.000 SY	_____.	_____.
0174	509.0505.S Cleaning Decks to Reapply Concrete Masonry Overlay	2,377.000 SY	_____.	_____.



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Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0176	509.0600 Cleaning Approaches	303.000 SY	_____.	_____.
0178	509.1200 Curb Repair	60.000 LF	_____.	_____.
0180	509.1500 Concrete Surface Repair	2,345.000 SF	_____.	_____.
0182	509.2000 Full-Depth Deck Repair	2.000 SY	_____.	_____.
0184	509.2500 Concrete Masonry Overlay Decks	271.000 CY	_____.	_____.
0186	509.2600 Concrete Masonry Overlay Approaches	13.000 CY	_____.	_____.
0188	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 30. B-40-504	1,240.000 SY	_____.	_____.
0190	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 31. B-40-505	1,137.000 SY	_____.	_____.
0192	509.9050.S Cleaning Parapets	512.000 LF	_____.	_____.
0194	520.8000 Concrete Collars for Pipe	14.000 EACH	_____.	_____.
0196	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	1.000 EACH	_____.	_____.
0198	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	1.000 EACH	_____.	_____.
0200	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	2.000 EACH	_____.	_____.
0202	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	1.000 EACH	_____.	_____.
0204	522.1054 Apron Endwalls for Culvert Pipe Reinforced Concrete 54-Inch	1.000 EACH	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0206	524.0612 Apron Endwalls for Culvert Pipe Salvaged 12-Inch	1.000 EACH	_____.	_____.
0208	531.2030 Drilling Shaft 30-Inch 01. S-40-3092	17.000 LF	_____.	_____.
0210	531.2030 Drilling Shaft 30-Inch 02. S-40-3093	17.000 LF	_____.	_____.
0212	531.2042 Drilling Shaft 42-Inch 0001. S-40-669	18.000 LF	_____.	_____.
0214	531.2042 Drilling Shaft 42-Inch 0002. S-40-3090	18.000 LF	_____.	_____.
0216	531.2042 Drilling Shaft 42-Inch 0003. S-40-3091	18.000 LF	_____.	_____.
0218	531.5110 Foundation Single-Shaft Type MC-I (structure) 01. S-40-3092	1.000 EACH	_____.	_____.
0220	531.5110 Foundation Single-Shaft Type MC-I (structure) 02. S-40-3093	1.000 EACH	_____.	_____.
0222	531.5130 Foundation Single-Shaft Type MC-III (structure) 0001. S-40-669	1.000 EACH	_____.	_____.
0224	531.5130 Foundation Single-Shaft Type MC-III (structure) 0002. S-40-3090	1.000 EACH	_____.	_____.
0226	531.5140 Foundation Single-Shaft Type MC-IV (structure) 0003. S-40-3091	1.000 EACH	_____.	_____.
0228	532.5110 Monotube Cantilever Type I (structure) 01. S-40-3092	1.000 EACH	_____.	_____.
0230	532.5110 Monotube Cantilever Type I (structure) 02. S-40-3093	1.000 EACH	_____.	_____.
0232	532.5130 Monotube Cantilever Type III (structure) 0001. S-40-669	1.000 EACH	_____.	_____.



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SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0234	532.5130 Monotube Cantilever Type III (structure) 0002. S-40-3090	1.000 EACH	_____.	_____.
0236	532.5140 Monotube Cantilever Type IV (structure) 0003. S-40-3091	1.000 EACH	_____.	_____.
0238	601.0405 Concrete Curb & Gutter 18-Inch Type A	389.000 LF	_____.	_____.
0240	601.0407 Concrete Curb & Gutter 18-Inch Type D	240.000 LF	_____.	_____.
0242	601.0409 Concrete Curb & Gutter 30-Inch Type A	31,355.000 LF	_____.	_____.
0244	601.0411 Concrete Curb & Gutter 30-Inch Type D	1,470.000 LF	_____.	_____.
0246	601.0413 Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	621.000 LF	_____.	_____.
0248	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	1,079.000 LF	_____.	_____.
0250	601.0580 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	393.000 LF	_____.	_____.
0252	601.0600 Concrete Curb Pedestrian	642.000 LF	_____.	_____.
0254	602.0410 Concrete Sidewalk 5-Inch	109,454.000 SF	_____.	_____.
0256	602.0505 Curb Ramp Detectable Warning Field Yellow	1,064.000 SF	_____.	_____.
0258	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	56.000 SF	_____.	_____.
0260	603.8000 Concrete Barrier Temporary Precast Delivered	1,105.000 LF	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0262	603.8125 Concrete Barrier Temporary Precast Installed	2,068.000 LF	_____.	_____.
0264	606.0200 Riprap Medium	23.000 CY	_____.	_____.
0266	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	707.000 LF	_____.	_____.
0268	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	3,117.000 LF	_____.	_____.
0270	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	600.000 LF	_____.	_____.
0272	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	2,155.000 LF	_____.	_____.
0274	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	1,468.000 LF	_____.	_____.
0276	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	74.000 LF	_____.	_____.
0278	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	22.000 LF	_____.	_____.
0280	608.0354 Storm Sewer Pipe Reinforced Concrete Class III 54-Inch	1,027.000 LF	_____.	_____.
0282	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	454.000 LF	_____.	_____.
0284	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	1,395.000 LF	_____.	_____.
0286	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	58.000 LF	_____.	_____.



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Contract Items

Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0288	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	1,671.000 LF	_____.	_____.
0290	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	247.000 LF	_____.	_____.
0292	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	22.000 LF	_____.	_____.
0294	608.0448 Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	106.000 LF	_____.	_____.
0296	611.0430 Reconstructing Inlets	3.000 EACH	_____.	_____.
0298	611.0530 Manhole Covers Type J	9.000 EACH	_____.	_____.
0300	611.0535 Manhole Covers Type J-Special	28.000 EACH	_____.	_____.
0302	611.0606 Inlet Covers Type B	5.000 EACH	_____.	_____.
0304	611.0612 Inlet Covers Type C	2.000 EACH	_____.	_____.
0306	611.0624 Inlet Covers Type H	153.000 EACH	_____.	_____.
0308	611.0639 Inlet Covers Type H-S	31.000 EACH	_____.	_____.
0310	611.0642 Inlet Covers Type MS	13.000 EACH	_____.	_____.
0312	611.0651 Inlet Covers Type S	5.000 EACH	_____.	_____.
0314	611.0652 Inlet Covers Type T	2.000 EACH	_____.	_____.
0316	611.1004 Catch Basins 4-FT Diameter	96.000 EACH	_____.	_____.
0318	611.1005 Catch Basins 5-FT Diameter	12.000 EACH	_____.	_____.



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Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0320	611.1006 Catch Basins 6-FT Diameter	7.000 EACH	_____.	_____.
0322	611.1230 Catch Basins 2x3-FT	21.000 EACH	_____.	_____.
0324	611.2004 Manholes 4-FT Diameter	9.000 EACH	_____.	_____.
0326	611.2005 Manholes 5-FT Diameter	16.000 EACH	_____.	_____.
0328	611.2006 Manholes 6-FT Diameter	11.000 EACH	_____.	_____.
0330	611.2007 Manholes 7-FT Diameter	7.000 EACH	_____.	_____.
0332	611.2008 Manholes 8-FT Diameter	1.000 EACH	_____.	_____.
0334	611.3003 Inlets 3-FT Diameter	3.000 EACH	_____.	_____.
0336	611.3004 Inlets 4-FT Diameter	28.000 EACH	_____.	_____.
0338	611.3220 Inlets 2x2-FT	1.000 EACH	_____.	_____.
0340	611.3901 Inlets Median 1 Grate	11.000 EACH	_____.	_____.
0342	611.3902 Inlets Median 2 Grate	1.000 EACH	_____.	_____.
0344	611.8110 Adjusting Manhole Covers	3.000 EACH	_____.	_____.
0346	611.8115 Adjusting Inlet Covers	14.000 EACH	_____.	_____.
0348	611.8120.S Cover Plates Temporary	5.000 EACH	_____.	_____.
0350	611.9800.S Pipe Grates	3.000 EACH	_____.	_____.
0352	614.0905 Crash Cushions Temporary	1.000 EACH	_____.	_____.



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Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0354	614.0935 Salvaged Sand Barrels	25.000 EACH	_____.	_____.
0356	616.0700.S Fence Safety	560.000 LF	_____.	_____.
0358	619.1000 Mobilization	1.000 EACH	_____.	_____.
0360	620.0300 Concrete Median Sloped Nose	2,070.000 SF	_____.	_____.
0362	624.0100 Water	1,467.000 MGAL	_____.	_____.
0364	625.0100 Topsoil	24,938.000 SY	_____.	_____.
0366	625.0500 Salvaged Topsoil	29,170.000 SY	_____.	_____.
0368	627.0200 Mulching	10,755.000 SY	_____.	_____.
0370	628.1104 Erosion Bales	16.000 EACH	_____.	_____.
0372	628.1504 Silt Fence	6,446.000 LF	_____.	_____.
0374	628.1520 Silt Fence Maintenance	8,644.000 LF	_____.	_____.
0376	628.1550 Silt Screen	30.000 LF	_____.	_____.
0378	628.1905 Mobilizations Erosion Control	7.000 EACH	_____.	_____.
0380	628.1910 Mobilizations Emergency Erosion Control	16.000 EACH	_____.	_____.
0382	628.2006 Erosion Mat Urban Class I Type A	23,200.000 SY	_____.	_____.
0384	628.2008 Erosion Mat Urban Class I Type B	3,893.000 SY	_____.	_____.
0386	628.6505 Soil Stabilizer Type A	2.000 ACRE	_____.	_____.



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Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0388	628.7005 Inlet Protection Type A	237.000 EACH	_____.	_____.
0390	628.7010 Inlet Protection Type B	33.000 EACH	_____.	_____.
0392	628.7015 Inlet Protection Type C	494.000 EACH	_____.	_____.
0394	628.7020 Inlet Protection Type D	36.000 EACH	_____.	_____.
0396	628.7504 Temporary Ditch Checks	620.000 LF	_____.	_____.
0398	628.7555 Culvert Pipe Checks	18.000 EACH	_____.	_____.
0400	628.7560 Tracking Pads	14.000 EACH	_____.	_____.
0402	628.7570 Rock Bags	50.000 EACH	_____.	_____.
0404	629.0205 Fertilizer Type A	34.000 CWT	_____.	_____.
0406	630.0140 Seeding Mixture No. 40	1,129.000 LB	_____.	_____.
0408	630.0200 Seeding Temporary	157.000 LB	_____.	_____.
0410	630.0500 Seed Water	958.000 MGAL	_____.	_____.
0412	631.0300 Sod Water	172.000 MGAL	_____.	_____.
0414	631.1000 Sod Lawn	11,344.000 SY	_____.	_____.
0416	632.0101 Trees (species) (size) (root) 01. Trees, Carpinus Caroliniana 'JN Upright'	13.000 EACH	_____.	_____.
0418	632.0101 Trees (species) (size) (root) 02. Trees, Syringa Reticulata 'Ivory Silk'	18.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0420	632.0101 Trees (species) (size) (root) 03. Trees, Ginkgo Biloba 'Princeton Sentry'	9.000 EACH	_____.	_____.
0422	632.0101 Trees (species) (size) (root) 04. Trees, Malus Royal Raindrops	17.000 EACH	_____.	_____.
0424	632.0101 Trees (species) (size) (root) 05. Trees, Gleditsia Triacanthos 'Shademaster'	4.000 EACH	_____.	_____.
0426	632.0101 Trees (species) (size) (root) 06. Trees, Crataegus Viridis 'Winter King'	18.000 EACH	_____.	_____.
0428	632.0101 Trees (species) (size) (root) 08. Trees, Picea Glauca Var Densata	9.000 EACH	_____.	_____.
0430	632.0101 Trees (species) (size) (root) 09. Malus 'Red Barron' B&B, 2-INCH CAL	3.000 EACH	_____.	_____.
0432	632.0101 Trees (species) (size) (root) 10. Amelachier X Grandiflora 'Autumn Brilliance' B&B, 7-FT HT	3.000 EACH	_____.	_____.
0434	632.0101 Trees (species) (size) (root) 11. Crataegus Laevigata 'Crimson Cloud' B&B, 2-INCH CAL	3.000 EACH	_____.	_____.
0436	632.0201 Shrubs (species) (size) (root) 01. Shrubs, Diervilla Lonicera 'Dwarf Bush'	144.000 EACH	_____.	_____.
0438	632.0201 Shrubs (species) (size) (root) 02. Shrubs, Juniperus Sabina 'Buffalo'	82.000 EACH	_____.	_____.
0440	632.0201 Shrubs (species) (size) (root) 03. Shrubs, Rosa Rugosa 'Dwarf Pavement'	74.000 EACH	_____.	_____.
0442	632.0201 Shrubs (species) (size) (root) 04. Shrubs, Aronia Melanocarpa 'Morton'	56.000 EACH	_____.	_____.
0444	633.5200 Markers Culvert End	6.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0446	634.0618 Posts Wood 4x6-Inch X 18-FT	283.000 EACH	_____.	_____.
0448	634.0622 Posts Wood 4x6-Inch X 22-FT	6.000 EACH	_____.	_____.
0450	634.0814 Posts Tubular Steel 2x2-Inch X 14-FT	68.000 EACH	_____.	_____.
0452	637.2210 Signs Type II Reflective H	2,937.015 SF	_____.	_____.
0454	637.2215 Signs Type II Reflective H Folding	313.320 SF	_____.	_____.
0456	637.2230 Signs Type II Reflective F	793.530 SF	_____.	_____.
0458	638.2102 Moving Signs Type II	20.000 EACH	_____.	_____.
0460	638.2602 Removing Signs Type II	242.000 EACH	_____.	_____.
0462	638.3000 Removing Small Sign Supports	215.000 EACH	_____.	_____.
0464	643.0300 Traffic Control Drums	364,511.000 DAY	_____.	_____.
0466	643.0410 Traffic Control Barricades Type II	2,591.000 DAY	_____.	_____.
0468	643.0420 Traffic Control Barricades Type III	72,318.000 DAY	_____.	_____.
0470	643.0500 Traffic Control Flexible Tubular Marker Posts	1,007.000 EACH	_____.	_____.
0472	643.0600 Traffic Control Flexible Tubular Marker Bases	859.000 EACH	_____.	_____.
0474	643.0705 Traffic Control Warning Lights Type A	144,636.000 DAY	_____.	_____.
0476	643.0715 Traffic Control Warning Lights Type C	72,058.000 DAY	_____.	_____.



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Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0478	643.0800 Traffic Control Arrow Boards	1,909.000 DAY	_____.	_____.
0480	643.0900 Traffic Control Signs	181,144.000 DAY	_____.	_____.
0482	643.0920 Traffic Control Covering Signs Type II	27.000 EACH	_____.	_____.
0484	643.1000 Traffic Control Signs Fixed Message	574.000 SF	_____.	_____.
0486	643.1050 Traffic Control Signs PCMS	465.000 DAY	_____.	_____.
0488	643.1070 Traffic Control Cones 42-Inch	22,153.000 DAY	_____.	_____.
0490	643.4100.S Traffic Control Interim Lane Closure	112.000 EACH	_____.	_____.
0492	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0494	644.1410 Temporary Pedestrian Surface Asphalt	2,605.000 SF	_____.	_____.
0496	644.1430 Temporary Pedestrian Surface Plate	2,645.000 SF	_____.	_____.
0498	644.1601 Temporary Pedestrian Curb Ramp	718.000 DAY	_____.	_____.
0500	644.1810 Temporary Pedestrian Barricade	2,635.000 LF	_____.	_____.
0502	645.0120 Geotextile Type HR	16.000 SY	_____.	_____.
0504	645.0130 Geotextile Type R	30.000 SY	_____.	_____.
0506	646.1020 Marking Line Epoxy 4-Inch	48,654.000 LF	_____.	_____.
0508	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	15,837.000 LF	_____.	_____.



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Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0510	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	5,105.000 LF	_____.	_____.
0512	646.3020 Marking Line Epoxy 8-Inch	2,442.000 LF	_____.	_____.
0514	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	8,077.000 LF	_____.	_____.
0516	646.4520 Marking Line Same Day Epoxy 4-Inch	19,972.000 LF	_____.	_____.
0518	646.4620 Marking Line Same Day Epoxy 8-Inch	2,091.000 LF	_____.	_____.
0520	646.5005 Marking Arrow Paint	2.000 EACH	_____.	_____.
0522	646.5020 Marking Arrow Epoxy	69.000 EACH	_____.	_____.
0524	646.5105 Marking Word Paint	2.000 EACH	_____.	_____.
0526	646.5120 Marking Word Epoxy	29.000 EACH	_____.	_____.
0528	646.5320 Marking Railroad Crossings Epoxy	6.000 EACH	_____.	_____.
0530	646.6120 Marking Stop Line Epoxy 18-Inch	1,034.000 LF	_____.	_____.
0532	646.6320 Marking Dotted Extension Epoxy 18-Inch	67.000 LF	_____.	_____.
0534	646.7120 Marking Diagonal Epoxy 12-Inch	942.000 LF	_____.	_____.
0536	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	3,616.000 LF	_____.	_____.
0538	646.7520 Marking Crosswalk Epoxy Block Style 24-Inch	271.000 LF	_____.	_____.
0540	646.8120 Marking Curb Epoxy	3,014.000 LF	_____.	_____.



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Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0542	646.8220 Marking Island Nose Epoxy	33.000 EACH	_____.	_____.
0544	646.9000 Marking Removal Line 4-Inch	14,036.000 LF	_____.	_____.
0546	646.9100 Marking Removal Line 8-Inch	400.000 LF	_____.	_____.
0548	646.9300 Marking Removal Special Marking	7.000 EACH	_____.	_____.
0550	648.0100 Locating No-Passing Zones	1.940 MI	_____.	_____.
0552	649.0105 Temporary Marking Line Paint 4-Inch	39,023.000 LF	_____.	_____.
0554	649.0150 Temporary Marking Line Removable Tape 4-Inch	112,951.000 LF	_____.	_____.
0556	649.0205 Temporary Marking Line Paint 8-Inch	1,804.000 LF	_____.	_____.
0558	649.0250 Temporary Marking Line Removable Tape 8-Inch	5,621.000 LF	_____.	_____.
0560	649.0650 Temporary Marking Word Removable Tape	8.000 EACH	_____.	_____.
0562	649.0760 Temporary Marking Raised Pavement Marker Type I	423.000 EACH	_____.	_____.
0564	649.0805 Temporary Marking Stop Line Paint 18-Inch	144.000 LF	_____.	_____.
0566	649.0850 Temporary Marking Stop Line Removable Tape 18-Inch	792.000 LF	_____.	_____.
0568	649.0960 Temporary Marking Removable Mask Out Tape 6-Inch	2,423.000 LF	_____.	_____.
0570	650.4000 Construction Staking Storm Sewer	247.000 EACH	_____.	_____.



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Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0572	650.4500 Construction Staking Subgrade	15,113.000 LF	_____.	_____.
0574	650.7000 Construction Staking Concrete Pavement	13,344.000 LF	_____.	_____.
0576	650.8000 Construction Staking Resurfacing Reference	14,499.000 LF	_____.	_____.
0578	650.8500 Construction Staking Electrical Installations (project) 01. 2270-04-70	LS	LUMP SUM	_____.
0580	650.8500 Construction Staking Electrical Installations (project) 02. 2565-07-70	LS	LUMP SUM	_____.
0582	650.9000 Construction Staking Curb Ramps	89.000 EACH	_____.	_____.
0584	650.9910 Construction Staking Supplemental Control (project) 01. 2270-04-70	LS	LUMP SUM	_____.
0586	650.9910 Construction Staking Supplemental Control (project) 02. 2565-07-70	LS	LUMP SUM	_____.
0588	650.9920 Construction Staking Slope Stakes	16,356.000 LF	_____.	_____.
0590	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	11,900.000 LF	_____.	_____.
0592	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	6,492.000 LF	_____.	_____.
0594	652.0605 Conduit Special 2-Inch	156.000 LF	_____.	_____.
0596	652.0615 Conduit Special 3-Inch	1,970.000 LF	_____.	_____.
0598	652.0800 Conduit Loop Detector	11,992.000 LF	_____.	_____.
0600	653.0135 Pull Boxes Steel 24x36-Inch	67.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0602	653.0140 Pull Boxes Steel 24x42-Inch	99.000 EACH	_____.	_____.
0604	653.0905 Removing Pull Boxes	87.000 EACH	_____.	_____.
0606	654.0101 Concrete Bases Type 1	39.000 EACH	_____.	_____.
0608	654.0102 Concrete Bases Type 2	11.000 EACH	_____.	_____.
0610	654.0105 Concrete Bases Type 5	47.000 EACH	_____.	_____.
0612	654.0110 Concrete Bases Type 10	10.000 EACH	_____.	_____.
0614	654.0120 Concrete Bases Type 10-Special	15.000 EACH	_____.	_____.
0616	654.0217 Concrete Control Cabinet Bases Type 9 Special	4.000 EACH	_____.	_____.
0618	654.0230 Concrete Control Cabinet Bases Type L30	1.000 EACH	_____.	_____.
0620	655.0230 Cable Traffic Signal 5-14 AWG	4,504.000 LF	_____.	_____.
0622	655.0240 Cable Traffic Signal 7-14 AWG	9,906.000 LF	_____.	_____.
0624	655.0260 Cable Traffic Signal 12-14 AWG	13,371.000 LF	_____.	_____.
0626	655.0270 Cable Traffic Signal 15-14 AWG	550.000 LF	_____.	_____.
0628	655.0320 Cable Type UF 2-10 AWG Grounded	9,943.000 LF	_____.	_____.
0630	655.0510 Electrical Wire Traffic Signals 12 AWG	8,111.000 LF	_____.	_____.
0632	655.0515 Electrical Wire Traffic Signals 10 AWG	15,803.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0634	655.0610 Electrical Wire Lighting 12 AWG	11,013.000 LF	_____.	_____.
0636	655.0615 Electrical Wire Lighting 10 AWG	11,347.000 LF	_____.	_____.
0638	655.0700 Loop Detector Lead In Cable	44,400.000 LF	_____.	_____.
0640	655.0800 Loop Detector Wire	46,196.000 LF	_____.	_____.
0642	655.0900 Traffic Signal EVP Detector Cable	7,644.000 LF	_____.	_____.
0644	656.0200 Electrical Service Meter Breaker Pedestal (location) 61. STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0646	656.0200 Electrical Service Meter Breaker Pedestal (location) 62. STH 57 & STH 100	LS	LUMP SUM	_____.
0648	656.0200 Electrical Service Meter Breaker Pedestal (location) 63. STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0650	656.0200 Electrical Service Meter Breaker Pedestal (location) 64. STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0652	656.0200 Electrical Service Meter Breaker Pedestal (location) 65. STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0654	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 01. HL-40-GBT	LS	LUMP SUM	_____.
0656	657.0100 Pedestal Bases	2.000 EACH	_____.	_____.
0658	657.0255 Transformer Bases Breakaway 11 1/2- Inch Bolt Circle	2.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0660	657.0305 Poles Type 2	1.000 EACH	_____.	_____.
0662	657.0322 Poles Type 5-Aluminum	1.000 EACH	_____.	_____.
0664	657.0420 Traffic Signal Standards Aluminum 13-FT	2.000 EACH	_____.	_____.
0666	657.0610 Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	1.000 EACH	_____.	_____.
0668	658.0173 Traffic Signal Face 3S 12-Inch	12.000 EACH	_____.	_____.
0670	658.0174 Traffic Signal Face 4S 12-Inch	4.000 EACH	_____.	_____.
0672	658.5069 Signal Mounting Hardware (location) 61. STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0674	658.5069 Signal Mounting Hardware (location) 62. STH 57 & STH 100	LS	LUMP SUM	_____.
0676	658.5069 Signal Mounting Hardware (location) 63. STH 100 & N Kildeer Cr	LS	LUMP SUM	_____.
0678	658.5069 Signal Mounting Hardware (location) 64. STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0680	658.5069 Signal Mounting Hardware (location) 65. STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0682	658.5069 Signal Mounting Hardware (location) 66. STH 57 & Donges Bay Road	LS	LUMP SUM	_____.
0684	659.1125 Luminaires Utility LED C	4.000 EACH	_____.	_____.
0686	659.2230 Lighting Control Cabinets 240/480 30-Inch	1.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0688	661.0200 Temporary Traffic Signals for Intersections (location) 61. STH 57 SB Ramps & STH 100	LS	LUMP SUM	_____.
0690	661.0200 Temporary Traffic Signals for Intersections (location) 62. STH 57 & STH 100	LS	LUMP SUM	_____.
0692	661.0200 Temporary Traffic Signals for Intersections (location) 63. STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0694	661.0200 Temporary Traffic Signals for Intersections (location) 64. STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0696	661.0300 Generators	4.000 DAY	_____.	_____.
0698	670.0100 Field System Integrator 61. STH 100 & STH 57 Traffic Signals	LS	LUMP SUM	_____.
0700	670.0200 ITS Documentation 61. STH 100 & STH 57 Traffic Signals	LS	LUMP SUM	_____.
0702	671.0122 Conduit HDPE 2-Duct 2-Inch	5,174.000 LF	_____.	_____.
0704	671.0222 Conduit HDPE Directional Bore 2-Duct 2-Inch	290.000 LF	_____.	_____.
0706	673.0105 Communication Vault Type 1	6.000 EACH	_____.	_____.
0708	674.0300 Remove Cable	3,658.000 LF	_____.	_____.
0710	677.0200 Install Camera Assembly	5.000 EACH	_____.	_____.
0712	678.0036 Install Fiber Optic Cable Outdoor Plant 36-CT	8,398.000 LF	_____.	_____.



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0714	678.0200 Fiber Optic Splice Enclosure	4.000 EACH	_____.	_____.
0716	678.0300 Fiber Optic Splice	92.000 EACH	_____.	_____.
0718	678.0500 Communication System Testing 61. STH 100 & STH 57 Traffic Signals	LS	LUMP SUM	_____.
0720	678.0600 Install Ethernet Switches	4.000 EACH	_____.	_____.
0722	678.0700 Install Wireless Antennas	1.000 EACH	_____.	_____.
0724	690.0150 Sawing Asphalt	3,876.000 LF	_____.	_____.
0726	690.0250 Sawing Concrete	13,228.000 LF	_____.	_____.
0728	715.0415 Incentive Strength Concrete Pavement	21,675.000 DOL	1.00000	21,675.00
0730	715.0502 Incentive Strength Concrete Structures	1,626.000 DOL	1.00000	1,626.00
0732	715.0710 Optimized Aggregate Gradation Incentive	63,624.000 DOL	1.00000	63,624.00
0734	999.2000.S Installing and Maintaining Bird Deterrent System 01. B-40-504	1.000 EACH	_____.	_____.
0736	999.2000.S Installing and Maintaining Bird Deterrent System 02. B-40-505	1.000 EACH	_____.	_____.
0738	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	6,400.000 HRS	5.00000	32,000.00
0740	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	17,280.000 HRS	4.98000	86,054.40
0742	SPV.0035 Special 01. Backfill Slurry	10.000 CY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0744	SPV.0035 Special 40. Shredded Hardwood Bark Mulch	290.000 CY	_____.	_____.
0746	SPV.0060 Special 01. Manholes 9-FT Special	1.000 EACH	_____.	_____.
0748	SPV.0060 Special 02. Manholes 10-FT Special	2.000 EACH	_____.	_____.
0750	SPV.0060 Special 03. Pipe Connection to Existing Structure	6.000 EACH	_____.	_____.
0752	SPV.0060 Special 05. Field Facilities Office Space	1.000 EACH	_____.	_____.
0754	SPV.0060 Special 06. Curb Ramp Grading, Shaping, and Finishing	17.000 EACH	_____.	_____.
0756	SPV.0060 Special 10. Sanitary Sewer Reinforced Concrete Collar 12-INCH	2.000 EACH	_____.	_____.
0758	SPV.0060 Special 11. Sanitary Sewer Reinforced Concrete Collar 21-INCH	2.000 EACH	_____.	_____.
0760	SPV.0060 Special 12. Reconstructing Village of Brown Deer Sanitary Manholes	1.000 EACH	_____.	_____.
0762	SPV.0060 Special 13. Adjusting Village of Brown Deer Sanitary Manhole Covers	4.000 EACH	_____.	_____.
0764	SPV.0060 Special 14. Adjusting Village of Brown Deer Water Boxes	14.000 EACH	_____.	_____.
0766	SPV.0060 Special 15. Adjusting City of Mequon Sanitary Manhole Covers	1.000 EACH	_____.	_____.
0768	SPV.0060 Special 16. Adjusting Mequon Water Utility Water Boxes	3.000 EACH	_____.	_____.
0770	SPV.0060 Special 17. Marking Contrast Epoxy Special Marking Arrow	23.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0772	SPV.0060 Special 18. Marking Contrast Epoxy Special Marking Words	7.000 EACH	_____.	_____.
0774	SPV.0060 Special 19. Utility Line Opening (ULO)	12.000 EACH	_____.	_____.
0776	SPV.0060 Special 30. Tubular Railing Repair Type 1	3.000 EACH	_____.	_____.
0778	SPV.0060 Special 31. Tubular Railing Repair Type 2	3.000 EACH	_____.	_____.
0780	SPV.0060 Special 32. Tubular Railing Repair Type 3	1.000 EACH	_____.	_____.
0782	SPV.0060 Special 40. Masonry Pillar and Wall	1.000 EACH	_____.	_____.
0784	SPV.0060 Special 41. Perennials, Geranium X Cantabrigiense 'Karmina'	200.000 EACH	_____.	_____.
0786	SPV.0060 Special 42. Perennials, Panicum Virgatum 'Heavy Metal'	106.000 EACH	_____.	_____.
0788	SPV.0060 Special 43. Perennials, Nepeta 'Kit Cat'	156.000 EACH	_____.	_____.
0790	SPV.0060 Special 44. Perennials, Schizachyrium Scoparium 'Little Bluestem Grass'	215.000 EACH	_____.	_____.
0792	SPV.0060 Special 45. Perennials, Calamintha Nepeta 'Montrose White'	94.000 EACH	_____.	_____.
0794	SPV.0060 Special 46. Perennials, Sporobulus Heterolepis 'Prairie Dropseed'	144.000 EACH	_____.	_____.
0796	SPV.0060 Special 47. Remove, Stockpile and Reinstall Municipal Monument Sign	1.000 EACH	_____.	_____.
0798	SPV.0060 Special 48. Select Stone Material 3'X4'X3'	219.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0800	SPV.0060 Special 49. Select Stone Material 5'X3'X5'	10.000 EACH	_____.	_____.
0802	SPV.0060 Special 50. Artistic Panels	10.000 EACH	_____.	_____.
0804	SPV.0060 Special 51. Wayfinding Sign	1.000 EACH	_____.	_____.
0806	SPV.0060 Special 61. Concrete Control Cabinet Bases Type 9 Special Super P	1.000 EACH	_____.	_____.
0808	SPV.0060 Special 62. Pedestal Bases Black	43.000 EACH	_____.	_____.
0810	SPV.0060 Special 63. Transformer Bases Breakaway 11 1/2-Inch Bolt Circle Black	58.000 EACH	_____.	_____.
0812	SPV.0060 Special 64. Poles Type 3 Black	9.000 EACH	_____.	_____.
0814	SPV.0060 Special 65. Poles Type 5-Aluminum Black	49.000 EACH	_____.	_____.
0816	SPV.0060 Special 66. Traffic Signal Standards Aluminum 3.5-FT Black	1.000 EACH	_____.	_____.
0818	SPV.0060 Special 67. Traffic Signal Standards Aluminum 13-FT Black	16.000 EACH	_____.	_____.
0820	SPV.0060 Special 68. Traffic Signal Standards Aluminum 15-FT Black	17.000 EACH	_____.	_____.
0822	SPV.0060 Special 69. Traffic Signal Standards Aluminum 10-FT Black	9.000 EACH	_____.	_____.
0824	SPV.0060 Special 70. Luminaire Arms Single Member 4-INCH Clamp 6-FT Black	14.000 EACH	_____.	_____.
0826	SPV.0060 Special 71. Luminaire Arms Single Member 4 1/2-INCH Clamp 6-FT Black	34.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0828	SPV.0060 Special 72. Install Poles Type 9	3.000 EACH	_____.	_____.
0830	SPV.0060 Special 73. Install Poles Type 9-Special	9.000 EACH	_____.	_____.
0832	SPV.0060 Special 74. Install Poles Type 10	8.000 EACH	_____.	_____.
0834	SPV.0060 Special 75. Install Poles Type 10-Special	6.000 EACH	_____.	_____.
0836	SPV.0060 Special 76. Install Monotube Arms 20-FT	1.000 EACH	_____.	_____.
0838	SPV.0060 Special 77. Install Monotube Arms 25-FT	4.000 EACH	_____.	_____.
0840	SPV.0060 Special 78. Install Monotube Arms 30-FT	6.000 EACH	_____.	_____.
0842	SPV.0060 Special 79. Install Monotube Arms 35-FT Special	3.000 EACH	_____.	_____.
0844	SPV.0060 Special 80. Install Monotube Arms 40-FT Special	3.000 EACH	_____.	_____.
0846	SPV.0060 Special 81. Install Monotube Arms 45-FT Special	9.000 EACH	_____.	_____.
0848	SPV.0060 Special 82. Install Luminaire Arms Steel 15-FT	20.000 EACH	_____.	_____.
0850	SPV.0060 Special 83. Traffic Signal Face 3S 12- INCH Black	92.000 EACH	_____.	_____.
0852	SPV.0060 Special 84. Traffic Signal Face 4S 12- INCH Black	34.000 EACH	_____.	_____.
0854	SPV.0060 Special 85. Pedestrian Signal Face 16- INCH Black	42.000 EACH	_____.	_____.
0856	SPV.0060 Special 86. Pedestrian Push Button Black	51.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70

Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0858	SPV.0060 Special 87. Luminaires Utility LED C Black	85.000 EACH	_____.	_____.
0860	SPV.0060 Special 88. Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT Black	20.000 EACH	_____.	_____.
0862	SPV.0060 Special 89. Install Monotube Arms 45-FT	2.000 EACH	_____.	_____.
0864	SPV.0060 Special 90. Install Poles Type 12	2.000 EACH	_____.	_____.
0866	SPV.0085 Special 40. No Mow Fescue Mix	29.000 LB	_____.	_____.
0868	SPV.0090 Special 01. Heavy Duty Silt Fence	2,198.000 LF	_____.	_____.
0870	SPV.0090 Special 10. Sanitary Sewer Pipe Reinforced Concrete Class II 12-INCH	63.000 LF	_____.	_____.
0872	SPV.0090 Special 11. Sanitary Sewer Pipe Reinforced Concrete Class II 21-INCH	101.000 LF	_____.	_____.
0874	SPV.0090 Special 12. Sanitary Sewer Force Main Pipe PVC 8-INCH	80.000 LF	_____.	_____.
0876	SPV.0090 Special 40. Steel Edging Material	1,430.000 LF	_____.	_____.
0878	SPV.0090 Special 41. Compacted Gravel Leveling Course	20.000 LF	_____.	_____.
0880	SPV.0105 Special 01. Control of Water Storm Sewer	LS	LUMP SUM	_____.
0882	SPV.0105 Special 10. Removing Sanitary Sewer Inside Drop	LS	LUMP SUM	_____.
0884	SPV.0105 Special 11. Sanitary Sewer Inside Drop	LS	LUMP SUM	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0886	SPV.0105 Special 12. Temporary Sanitary Sewer Bypass	LS	LUMP SUM	_____.
0888	SPV.0105 Special 61. Trnspt & Install State Furn Traffic Signal Cabinet STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0890	SPV.0105 Special 62. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & STH 100	LS	LUMP SUM	_____.
0892	SPV.0105 Special 63. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0894	SPV.0105 Special 64. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0896	SPV.0105 Special 65. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0898	SPV.0105 Special 66. Trnspt Traffic Signals & Inter Lighting Materials STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0900	SPV.0105 Special 67. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & STH 100	LS	LUMP SUM	_____.
0902	SPV.0105 Special 68. Trnspt Traffic Signals & Inter Lighting Materials STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0904	SPV.0105 Special 69. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0906	SPV.0105 Special 70. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0908	SPV.0105 Special 71. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0910	SPV.0105 Special 72. Trnspt & Install State Furn EVP Heads STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0912	SPV.0105 Special 73. Trnspt & Install State Furn EVP Heads STH 57 & STH 100	LS	LUMP SUM	_____.
0914	SPV.0105 Special 74. Trnspt & Install State Furn EVP Heads STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0916	SPV.0105 Special 75. Trnspt & Install State Furn EVP Heads STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0918	SPV.0105 Special 76. Trnspt & Install State Furn EVP Heads STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0920	SPV.0105 Special 77. Trnspt & Install State Furn EVP Heads STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0922	SPV.0105 Special 79. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0924	SPV.0105 Special 80. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 57 & STH 100	LS	LUMP SUM	_____.
0926	SPV.0105 Special 81. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0928	SPV.0105 Special 82. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0930	SPV.0105 Special 83. Trnspt and Install S-F Radar Detection System STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.



Proposal Schedule of Items

Page 33 of 33

Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0932	SPV.0105 Special 84. Temporary EVP System STH 57 SB Ramps & STH 100	LS	LUMP SUM	_____.
0934	SPV.0105 Special 85. Temporary EVP System STH 57 & STH 100	LS	LUMP SUM	_____.
0936	SPV.0105 Special 86. Temporary EVP System STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0938	SPV.0105 Special 87. Temporary EVP System STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0940	SPV.0105 Special 88. Covering Traffic Signal Equipment STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0942	SPV.0165 Special 01. Construction Staking Sidewalk	79,608.000 SF	_____.	_____.
0944	SPV.0165 Special 30. PPC Beam Surface Repair	5.000 SF	_____.	_____.
0946	SPV.0195 Special 01. Excavation, Hauling, and Disposal of Creosote Contaminated Soil	3,587.000 TON	_____.	_____.
0948	SPV.0195 Special 02. Joint and Crack Repair	575.000 TON	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

PLEASE ATTACH ADDENDA HERE



Wisconsin Department of Transportation

September 1, 2021

Division of Transportation Systems Development

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

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

NOTICE TO ALL CONTRACTORS:

Proposal #24: 2565-07-70, WISC 2021442
Green Bay Rd, Village of Brown Deer
Teutonia Avenue Intersection
STH 57
Milwaukee County

2150-00-72
Brown Deer Road
STH 100, B-40-504, B-40-505
STH 100
Milwaukee County

2270-04-70, WISC 2021441
STH 57-Vil Brown Deer & City Mequon
Teutonia Avenue to Mequon Road
STH 57
Milwaukee & Ozaukee County

Letting of September 14, 2021

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
9	Referenced Construction Specifications.
10	Sanitary Sewer – City of Mequon.

Added Special Provisions	
Article No.	Description
122	Concrete Bases

Deleted Special Provisions	
Article No.	Description
104	Sanitary Sewer Force Main Pipe PVC 8-Inch, Item SPV.0090.12.
108	Removing Sanitary Sewer Inside Drop, Item SPV.0105.10.
109	Sanitary Sewer Inside Drop, Item SPV.0105.11.

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0280	Sealing Pipes	EA	6	-1	5

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0090.12	Sanitary Sewer Force Main Pipe PVC 8-Inch	LF	80	-80	0
SPV.0105.10	Removing Sanitary Sewer Inside Drop	LS	1	-1	0
SPV.0105.11	Sanitary Sewer Inside Drop	LS	1	-1	0

Plan Sheets:

Revised Plan Sheets – 2270-04-70	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
21	Construction Details (Revised milling depth to 3" on Base Patching Asphaltic detail)
167	Storm Sewer – Construction Details (Revised two general drainage notes related to backfill)
188	Sanitary Sewer (Removed force main work and associated notes)
190	Sanitary Sewer Manhole Detail (Revised structure 826.061 to remove force main relocation detail)
191	Construction Details (Removed inside drop detail)
756	Miscellaneous Quantities (Removed items related to sanitary sewer force main work)

Revised Plan Sheets – 2565-07-70	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
3	General Notes (Added two notes related to backfill)

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

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01
2150-00-72, 2270-04-70, 2565-07-70
September 1, 2021

Special Provisions

3. Prosecution and Progress.

*Add the following to the section titled **Work Restrictions**:*

At locations that vehicular traffic and access will be maintained, provide temporary means to prevent grade differences greater than 2 inches between milled surfaces and existing or newly paved surfaces (both longitudinal and transverse) and temporary means to accommodate traffic across staged construction of pavement. Bridge vertical differences using slopes of 12:1 or greater through milling of existing HMA pavement, through temporary asphalt wedging, through the use of wedge/tapered joint as part of mainline HMA paving, or through other means as approved by the engineer. Work to remove temporary pavements or to remove longitudinal wedge/tapered joints to be paid for as removing asphaltic surface butt joints. Temporary asphalt wedging placed separately from mainline HMA paving operations to be paid for as asphaltic surface temporary.

At locations where pedestrian access will be maintained, provide temporary means to prevent grade differences greater than 1/4-inch. Bridge vertical differences using slopes of 12:1 or greater through temporary asphalt wedging or through other means approved by the engineer. Temporary asphalt wedging placed separately from mainline HMA paving operations to be paid for as temporary pedestrian surface asphalt. Work to maintain and remove temporary pavements incidental to temporary pedestrian surface asphalt.

*Replace paragraph two under section titled **Work Zone Restrictions** with the following:*

Maintain acceptable driving surface within project the limits. Acceptable driving surfaces include asphaltic surface temporary, HMA pavement, or concrete pavement. Unless otherwise approved by the engineer, pave all milled surfaces within 72 hours of milling operation.

9. Referenced Construction Specifications.

Replace entire article language with the following:

Construct the work enumerated below conforming to the "City of Mequon Standard Specifications for Land Development." 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.

Conform to the referenced construction specifications for the following:

- Sanitary Sewer Reinforced Concrete Collar 12-Inch
- Sanitary Sewer Reinforced Concrete Collar 21-Inch
- Sanitary Sewer Pipe Reinforced Concrete Class-II 12-Inch
- Sanitary Sewer Pipe Reinforced Concrete Class-II 21-Inch
- Temporary Sanitary Sewer Bypass
- Adjusting City of Mequon Sanitary Manhole Covers
- Adjusting City of Mequon Water Boxes

Construct the work enumerated below conforming to the "Standard Specifications for Sewer and Water Construction in Wisconsin" 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.

Conform to the referenced construction specifications for the following:

Reconstructing Village of Brown Deer Sanitary Manholes
Adjusting Village of Brown Deer Sanitary Manhole Covers
Adjusting Village of Brown Deer Water Boxes

stp-105-002 (20130615)

10. Sanitary Sewer – City of Mequon.

Replace the paragraphs two and three with the following:

The contractor shall field verify existing locations and site conditions of sanitary sewer.

The contractor shall provide a bypass plan two months prior to the start of work.

104. DELETED.

108. DELETED.

109. DELETED.

122. Concrete Bases.

Supplement Standard Spec 654.2 with the following:

(7) If casing is to remain in place, furnish corrugated metal pipe from the department's approved product list.

Replace Standard Spec 654.5 (2) with the following:

(2) Payment for the Bases bid items is full compensation for providing concrete bases; for embedded conduit and electrical components; for anchor templates, rods, nuts, and washers; for bar steel reinforcement; for drilling; and for excavating and backfilling.

Supplement Standard Spec 654.5 with the following:

(3) If required by the engineer, the department will pay for the material costs of casing left in place, in accordance with section 109.4.5.4.

Schedule of Items

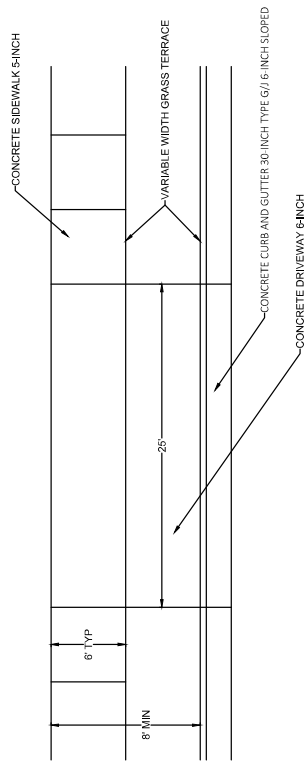
Attached, dated September 1, 2021, are the revised Schedule of Items Pages 1 – 33.

Plan Sheets

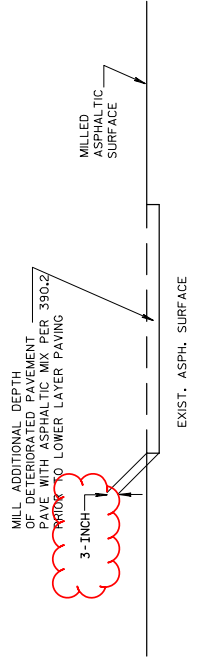
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 21, 167, 188, 190, 191, 756 (2270-04-70) and 3 (2565-07-70).

END OF ADDENDUM

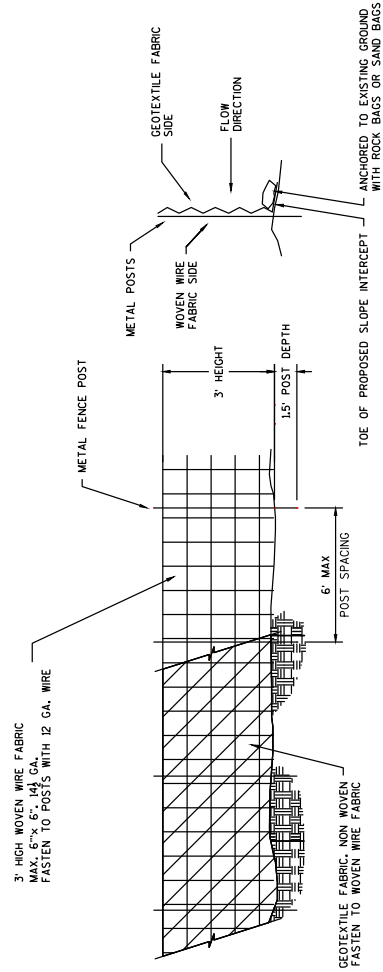


DETAIL OF TRAFFIC SIGNAL VEHICLE PAD



BASE PATCHING ASPHALTIC

LOCATIONS AS DIRECTED BY ENGINEER



HEAVY DUTY SILT FENCE DETAIL

INSTALL AS NECESSARY AS SHOWN IN THE PLANS
AND DIRECTED BY THE ENGINEER

Addendum No. 01
ID 2270-04-70
Revised Sheet 21
September 1, 2021

GENERAL DRAINAGE NOTES

LOCATION AND ELEVATION OF INLETS IN CURB AND GUTTER SECTION REFER TO FLOW LINE OF CURB.

LOCATION AND ELEVATION OF STORM SEWER STRUCTURES NOT IN CURB AND GUTTER REFER TO CENTERLINE OF COVER.

RM ELEVATIONS ARE GIVEN AT FLOW LINE OF INLET OR AT CENTER OF MANHOLE. SEE STRUCTURE LOCATION DETAIL.

PLAN LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND IS USED FOR ESTIMATING PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE AND IS USED TO COMPUTE PIPE SLOPE.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES AND PIPES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

PROVIDE JOINT TIES ON CONCRETE STORM SEWER SYSTEM INFALL AND OUTFALL PPES, TIE THE ENDWALL JOINT AND THE NEXT 2 PIPE JOINTS.

FOR STRUCTURES AND PIPES OUTSIDE THE TRAVELED WAY INCLUSIVE OF SHOULDERS, NATIVE BACKFILL MAY BE USED AND SHALL CONFORM TO SECTION 207 EMBANKMENT SPECIFICATIONS. BACKFILL CONFORMING TO SECTION 207 IS INCIDENTAL TO PROPOSED STORM SEWER PIPE AND STORM SEWER PIPE REMOVAL.

FOR STRUCTURES AND PIPES WITHIN THE TRAVELED WAY INCLUSIVE OF SHOULDERS, BACKFILL SHALL CONFORM TO SECTION 209. BACKFILL FOR STORM SEWER PIPE REMOVAL WILL BE PAID FOR AS BACKFILL GRANULAR GRADE 1. BACKFILL FOR PROPOSED STORM SEWER PIPE IS INCIDENTAL PER SECTION 608.

UTILITY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE. LOCATIONS SHOWN ARE TAKEN FROM EXISTING RECORDS AND BEST INFORMATION AVAILABLE FROM EXISTING PLANS. IT IS EXPECTED THAT THERE MAY BE DISCREPANCIES AND OMISSIONS IN THE LOCATION OF UTILITIES AND STRUCTURES SHOWN. VERIFY ALL LOCATIONS IN THE FIELD.

COORDINATE WITH DIGGERS HOTLINE TO FIELD LOCATE UTILITIES. SHEETING SHALL NOT GO THROUGH UTILITIES. ANY UTILITIES DAMAGED DUE TO CONTRACTOR ACTIVITIES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE COMPLETE SATISFACTION OF THE UTILITY FACILITY.

VERIFY THE EXISTING STORM SEWER SYSTEM CONNECTION LOCATIONS AND ELEVATIONS PRIOR TO ORDERING DRAINAGE STRUCTURES AND PIPES. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR OMISSIONS PRIOR TO THE PLANS PRIOR TO INSTALLING THE PROPOSED STORM SEWER.

SEE STORM SEWER REMOVAL PLANS FOR REMOVAL OF EXISTING STORM SEWER SYSTEM.

PROVIDE BOLTED COVERS FOR MANHOLE COVERS TYPE J SPECIAL. COST OF PROVIDING BOLTED COVERS IS CONSIDERED INCIDENTAL TO COVER.

PROVIDE TEMPORARY POSITIVE DRAINAGE THROUGHOUT THE PROJECT DURING ALL PROJECT STAGES. PROVIDING TEMPORARY POSITIVE DRAINAGE IS INCIDENTAL TO CONSTRUCTION.

SUPPORTING UTILITIES DURING STORM SEWER CONSTRUCTION IS INCIDENTAL TO STORM SEWER PIPE AND/OR STORM SEWER STRUCTURE.

CONSTRUCTION AND REMOVAL OF TEMPORARY BULKHEAD IS CONSIDERED INCIDENTAL TO COST OF STORM SEWER PIPE OR STORM SEWER STRUCTURE WHEN A PIPE OR STRUCTURE IS CONSTRUCTED OR REMOVED IN MULTIPLE STAGES.

STORM SEWER PLAN & PROFILE NOTE:
PLAN VIEW HIGHLIGHTS CORRESPOND TO PROFILES SHOWN IN PROFILE BELOW PLAN VIEW (SAME SHEET). STORM SEWER STRUCTURES AND PIPES LABELED IN PLAN VIEW WITHOUT HIGHLIGHT ARE SHOWN ON THE NEXT PROFILE ONLY SHEET(S).

THE MANNING'S COEFFICIENT FOR CONCRETE STORM SEWER USED IN PIPE SIZE DETERMINATIONS IS 0.013.

STORM SEWER STAGING LEGEND

REMOVING INLETS

REMOVING MANHOLES

—RM 1 — RM REMOVING STORM SEWER (BY STAGE)

—AB 3 — AB 3 ABANDONING STORM SEWER (BY STAGE)

STORM SEWER LEGEND

PROPOSED STORM SEWER PIPE PLAN VIEW

EXISTING STORM SEWER PIPE PLAN VIEW

EXISTING STORM SEWER PROFILE VIEW

PROPOSED DRAINAGE STRUCTURE

EXISTING DRAINAGE STRUCTURE

PROPOSED MANHOLE

PROPOSED INLET

PROPOSED ENDWALL

PROPOSED STORM SEWER PIPE

EXISTING STORM SEWER PIPE

* EXISTING PIPE INTEGRITY AND CONDITION TO BE DETERMINED DURING FINAL DESIGN.

Addendum No. 01
ID 2270-04-70
Revised Sheet 167
September 1, 2021

PROJECT NO: 2270-04-70

HWY: STH 57

COUNTY: MILWAUKEE

STORM SEWER - CONSTRUCTION DETAILS

SHEET 167

E

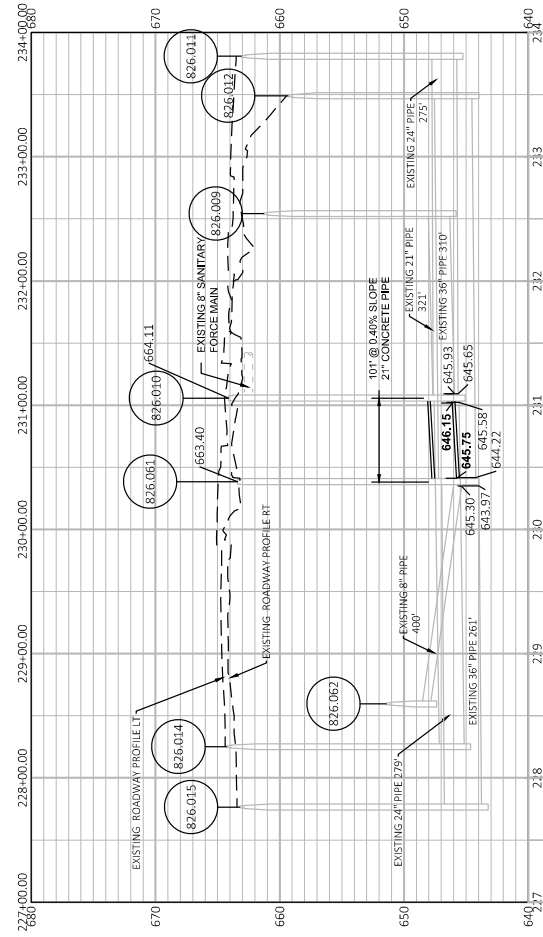
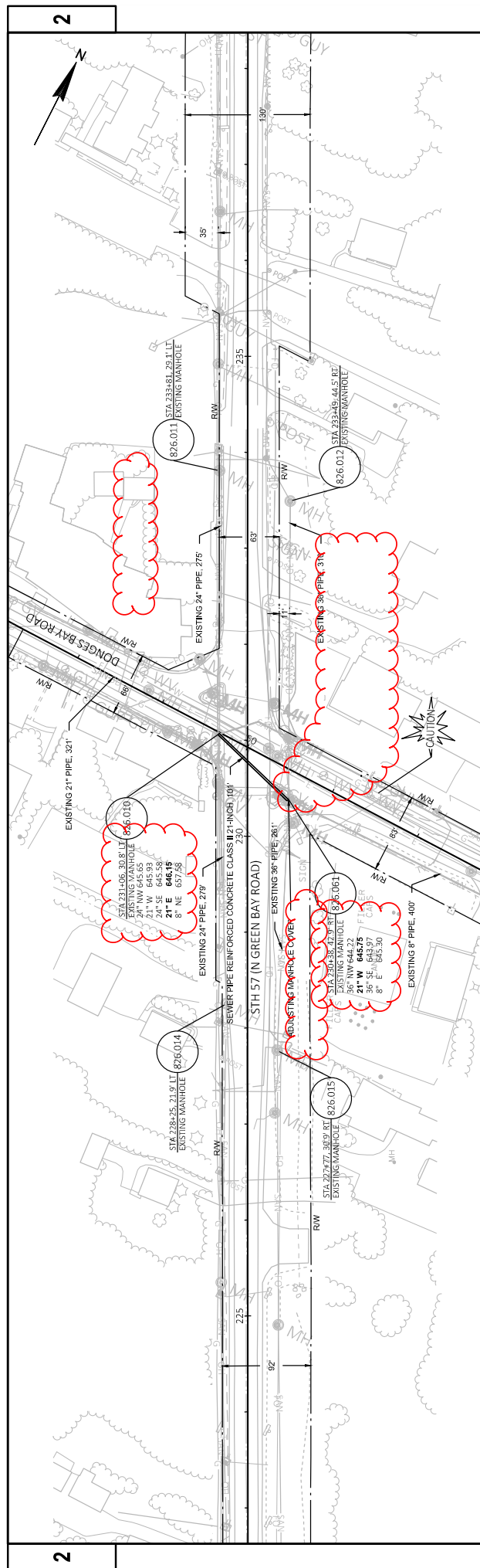
FILE NAME : S:\DOT\DOT_SE\170329-102270-04-00-STH57\Design\DWG\PlanSheets\022500_SS.dgn

PLOT DATE : 8/25/2021

PLOT NAME :

PLOT SCALE : 1:200

WISDOT/CADD SHEET 42



Lakeside

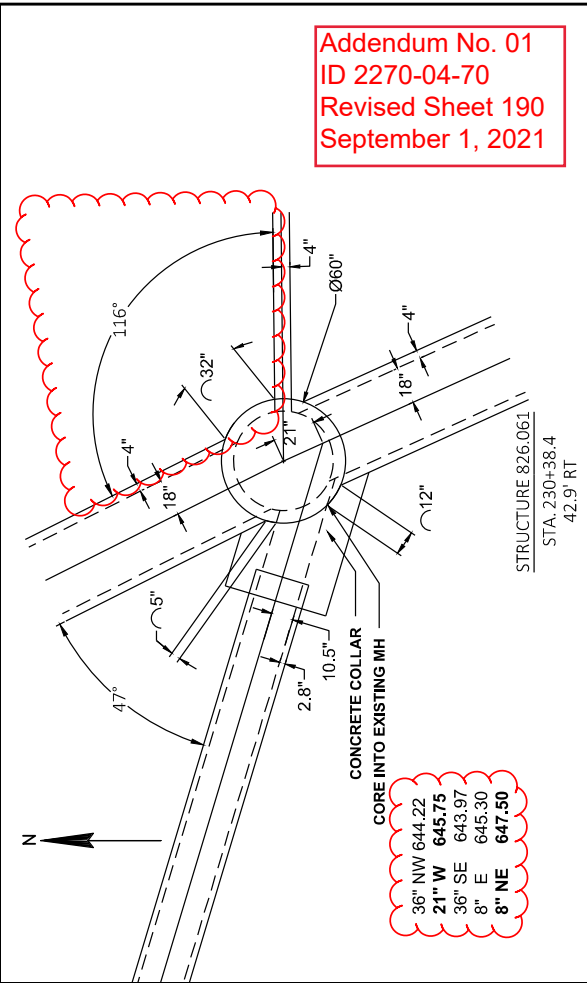
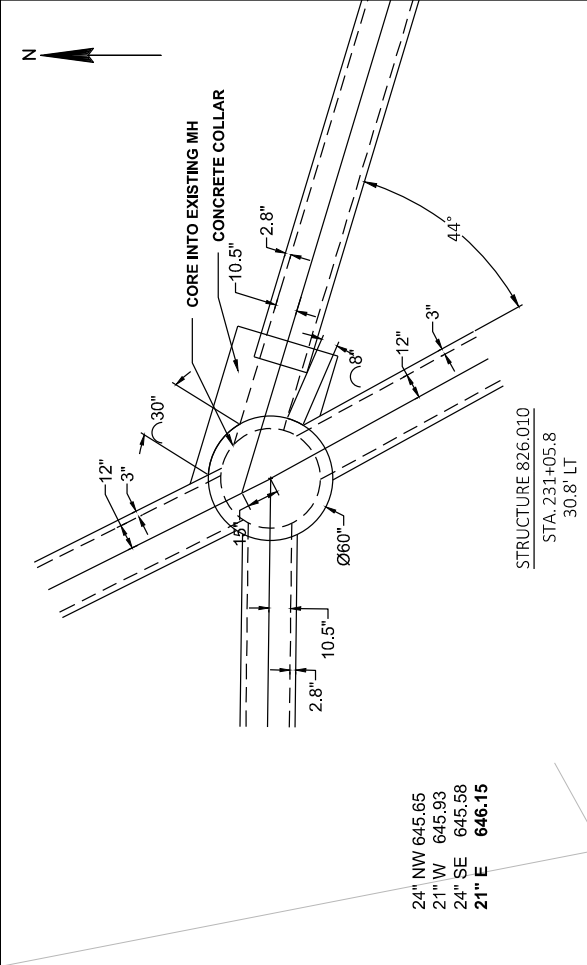
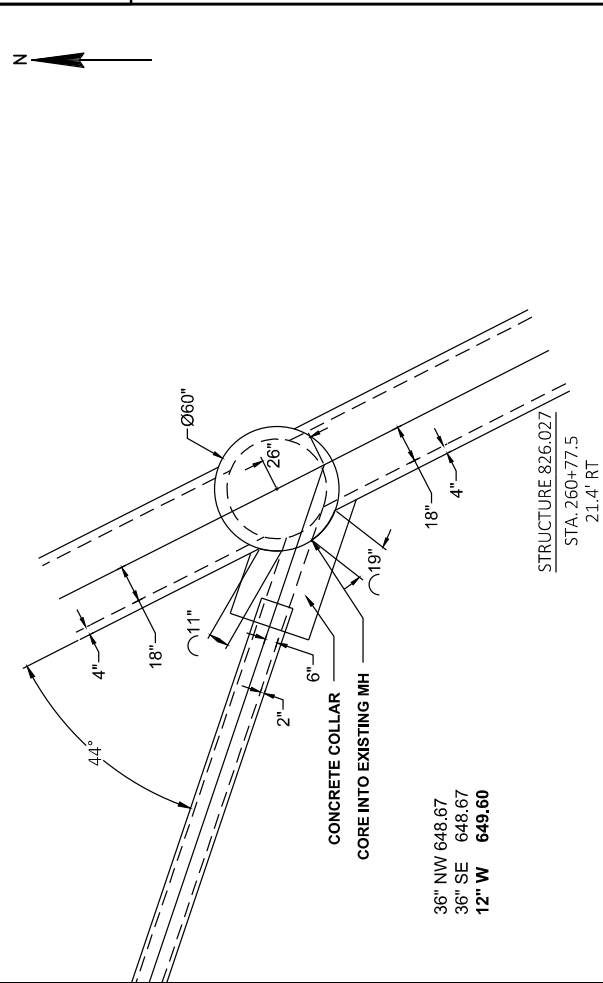
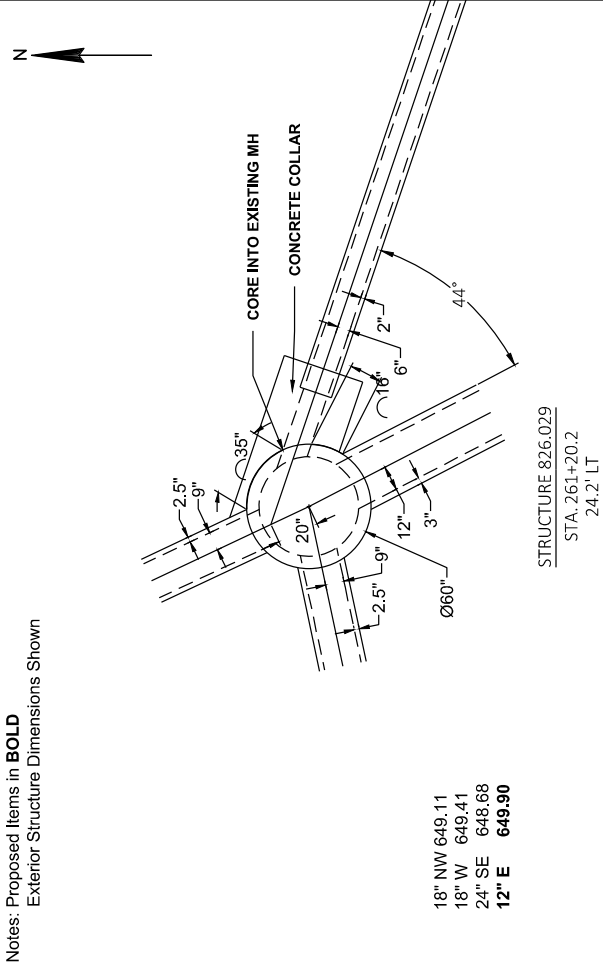


DRAWN BY: ANTHONY RUBLITZ, PE
DESIGNED BY: ANTHONY RUBLITZ, PE
CHECKED BY: JOSEPH MAAS, PE
DATE: December 14, 2020
SCALE: 1"=100'

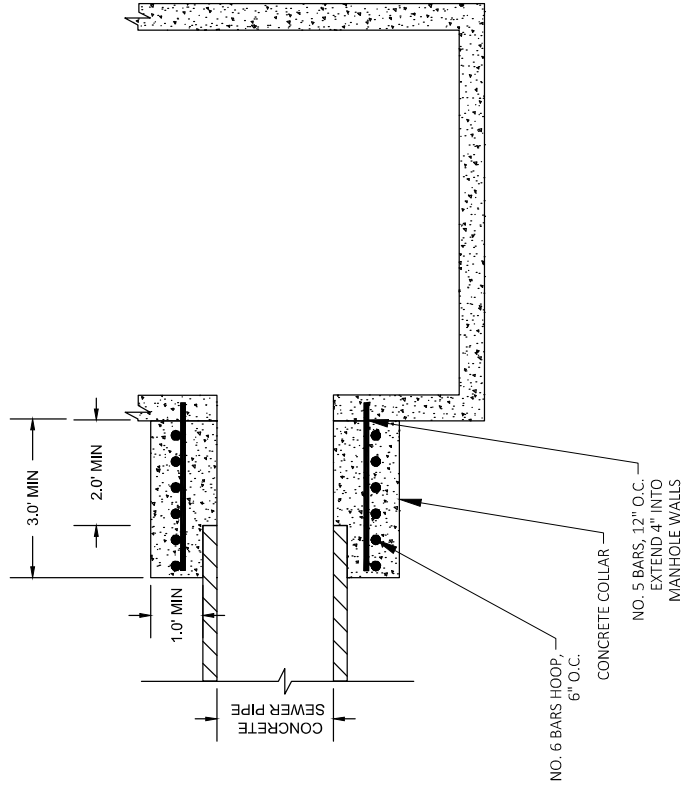
8/26/21 (Date) (Signature)

Addendum No. 01
ID 2270-04-70
Revised Sheet 188
September 1, 2021

Notes: Proposed items in **BOLD**
Exterior Structure Dimensions Shown



Addendum No. 01
ID 2270-04-70
Revised Sheet 190
September 1, 2021



SANITARY SEWER REINFORCED CONCRETE COLLAR DETAIL

Addendum No. 01
ID 2270-04-70
Revised Sheet 191
September 1, 2021

PROJECT NO: 2270-04-70	HWY: STH 57	COUNTY: MILWAUKEE & OZAUKEE	PLAN: CONSTRUCTION DETAILS	SHEET 191	E
FILE NAME: L:\DESIGN PROJECTS\2270-04-00\STH 57\LD - ROADWAY\CA00\01SHEET\PLAN\021001_CD.DWG	LAYOUT NAME: 021002	PLOT DATE: 8/25/2021 7:40 AM	PLOT BY: TONY BUBITZ	PLOT NAME: 1 IN=10 FT	WISDOT/CAD005 SHEET 42

SANITARY SEWER PIPES									
PIPE ID	FROM	TO	INLET	DISCH	SLOPE ^A	PIPE LENGTH ^B (FT)	PLAN LENGTH ^C (FT)	PIPE CALSS	PIPE SIZE (INCH)
--	826.010	826.061	646.15	645.75	0.40	101	101	II	21
--	826.029	826.027	649.90	649.60	0.48	63	63	II	12

ALL ITEMS ARE CATEGORY 0050 UNLESS OTHERWISE NOTED

SANITARY BYPASS

SPV.0105.12
TEMPORARY
SANITARY
SEWER BYPASS

LOCATION	LS
Project No. 2270-04-70	1
PROJECT TOTALS	1

SANITARY SEWER ROADWAY

Location	SY	PAVEMENT DENSE 1 1/4-INCH	BASE AGGREGATE	TACK COAT	PAVEMENT 3 MT 58-28 S	HMA	PAVEMENT 4 MT 58-28 S	HMA	CONCRETE	LF
DONGES BAY ROAD	56	37	2	17	6					210
SHERWOOD DRIVE	35	23	1	10	3					134
PROJECT TOTALS	91	60	3	27	9					344

SANITARY SEWER SPECIAL

Location	SPV.0060.10 SANITARY SEWER REINFORCED CONCRETE COLLAR 12-INCH	SPV.0060.11 SANITARY SEWER REINFORCED CONCRETE COLLAR 21-INCH	SPV.0090.10 SANITARY SEWER PIPE REINFORCED CONCRETE CLASS II 12-INCH	SPV.0090.11 SANITARY SEWER PIPE REINFORCED CONCRETE CLASS II 21-INCH	SPV.0090.10 SANITARY SEWER PIPE REINFORCED CONCRETE CLASS II 21-INCH	SPV.0090.11 SANITARY SEWER PIPE REINFORCED CONCRETE CLASS II 21-INCH	SPV.0060.15 ADJUSTING CITY OF MEQUON MANHOLE COVERS
	EACH	EACH	LF	LF	LF	LF	EACH
DONGES BAY ROAD	--	2	--	--	101	1	
SHERWOOD DRIVE	2	--	63	--	--	--	
PROJECT TOTALS	2	2	63	101	101	1	

Addendum No. 01
ID 2270-04-70
Revised Sheet 756
September 1, 2021

GENERAL NOTES

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, AND MULCHED.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF THE SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

WETLAND, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIAL NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.

REFER TO THE EROSION CONTROL SPECIAL PROVISIONS FOR REQUIREMENTS.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

ANY REINFORCEMENT LOCATED IN EXISTING CONCRETE PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE REMOVING PAVEMENT ITEM, AND NO ADDITIONAL COMPENSATION WILL BE GRANTED.

NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

WHEN THE QUANTITY OF BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

CURB HEIGHTS AT THE END OF CURB AND GUTTER SHALL BE TAPERED FROM 0 TO 4 INCHES OR 0 TO 6 INCHES IN 6 FEET, TO BE PAID AS CURB AND GUTTER.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER. CURB AND GUTTER RADII ARE MEASURED TO THE FACE OF CURB AND GUTTER.

BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP MEDIUM.

FERTILIZER SHALL NOT BE USED WITHIN 100' OF NAVIGABLE WATERWAYS OR WETLANDS.

WHEN DEFINING THE PAVEMENT STRUCTURE, THE BOTTOM OF THE BASE AGGREGATE DENSE IS CONSIDERED THE SUBGRADE LINE. THE SELECT CRUSHED MATERIAL LAYER IS A SUBGRADE IMPROVEMENT.

CONTACT THE PROJECT ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION (SEWRPC) AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

SAW CUTS IN EXISTING PAVEMENT AND SIDEWALKS SHALL BE TO NEAT STRAIGHT LINES. EDGES OF SAW CUT EDGES DAMAGED DURING CONSTRUCTION SHALL BE RE-CUT PRIOR TO ACCEPTANCE FOR PAVING.

VERIFY EXISTING PAVEMENT ELEVATIONS AT ALL TIE-INS TO EXISTING PAVEMENT PRIOR TO CONSTRUCTION. IF A DISCREPANCY IS FOUND BETWEEN PROPOSED PLAN ELEVATIONS AND EXISTING PAVEMENT ELEVATIONS, CONTRACTOR IS TO NOTIFY ENGINEER.

THERE ARE NO RUMBLE STRIPS ALLOWED IN MILWAUKEE COUNTY. DIAGONAL PAVEMENT MARKING WILL BE USED ON SHOULDERS.

THE EXACT LOCATION OF EXCAVATION BELOW SUBGRADE (EBS) WILL BE DETERMINED BY THE ENGINEER.

ALL PRIVATE EXISTING UTILITIES ARE TO BE ADJUSTED BY THE UTILITIES CONCERNED.

FOR STORM SEWER STRUCTURES AND PIPES OUTSIDE THE TRAVELED WAY INCLUSIVE OF SHOULDERS, NATIVE BACKFILL MAY BE USED AND SHALL CONFORM TO SECTION 207 EMBANKMENT SPECIFICATIONS. BACKFILL CONFORMING TO SECTION 207 IS INCIDENTAL TO PROPOSED STORM SEWER PIPE AND STORM SEWER PIPE REMOVAL.

FOR STRUCTURES AND PIPES WITHIN THE TRAVELED WAY INCLUSIVE OF SHOULDERS, BACKFILL SHALL CONFORM TO SECTION 209. BACKFILL FOR STORM SEWER PIPE REMOVAL WILL BE PAID FOR AS BACKFILL GRANULAR GRADE 1. BACKFILL FOR PROPOSED STORM SEWER PIPE IS INCIDENTAL PER SECTION 608.

Addendum No. 01
ID 2565-07-70
Revised Sheet 3
September 1, 2021

PROJECT NO: 2565-07-70

HWY: STH 57

COUNTY: MILWAUKEE

GENERAL NOTES

SHEET 3

E

FILE NAME :

PLOT DATE : 8/30/2021 11:47 AM

PLOT BY :

PLOT NAME : 020101.dgn

PLOT SCALE : 1,000,000:1,000,000

WISDOT / CADDs SHEET 42



Proposal Schedule of Items

Page 1 of 33

Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	108.4400 CPM Progress Schedule	1.000 EACH	_____.	_____.
0004	201.0105 Clearing	45.000 STA	_____.	_____.
0006	201.0120 Clearing	60.000 ID	_____.	_____.
0008	201.0205 Grubbing	45.000 STA	_____.	_____.
0010	201.0220 Grubbing	60.000 ID	_____.	_____.
0012	203.0200 Removing Old Structure (station) 01. 120+00	LS	LUMP SUM	_____.
0014	203.0210.S Abatement of Asbestos Containing Material (structure) 01. B-40-153	LS	LUMP SUM	_____.
0016	204.0100 Removing Concrete Pavement	73,989.000 SY	_____.	_____.
0018	204.0109.S Removing Concrete Surface Partial Depth	322,878.000 SF	_____.	_____.
0020	204.0110 Removing Asphaltic Surface	170.000 SY	_____.	_____.
0022	204.0115 Removing Asphaltic Surface Butt Joints	671.000 SY	_____.	_____.
0024	204.0120 Removing Asphaltic Surface Milling	85,590.000 SY	_____.	_____.
0026	204.0150 Removing Curb & Gutter	7,524.000 LF	_____.	_____.
0028	204.0155 Removing Concrete Sidewalk	2,902.000 SY	_____.	_____.
0030	204.0165 Removing Guardrail	1,932.000 LF	_____.	_____.
0032	204.0175 Removing Concrete Slope Paving	485.000 SY	_____.	_____.



Proposal Schedule of Items

Page 2 of 33

Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0034	204.0185 Removing Masonry	40.000 CY	_____.	_____.
0036	204.0195 Removing Concrete Bases	63.000 EACH	_____.	_____.
0038	204.0210 Removing Manholes	14.000 EACH	_____.	_____.
0040	204.0220 Removing Inlets	100.000 EACH	_____.	_____.
0044	204.0245 Removing Storm Sewer (size) 01. 12-INCH	4,362.000 LF	_____.	_____.
0046	204.0245 Removing Storm Sewer (size) 02. 15-INCH	278.000 LF	_____.	_____.
0048	204.0245 Removing Storm Sewer (size) 03. 18-INCH	1,323.000 LF	_____.	_____.
0052	204.0245 Removing Storm Sewer (size) 04. 24-INCH	1,237.000 LF	_____.	_____.
0054	204.0245 Removing Storm Sewer (size) 05. 30-INCH	226.000 LF	_____.	_____.
0056	204.0245 Removing Storm Sewer (size) 06. 36-INCH	416.000 LF	_____.	_____.
0058	204.0245 Removing Storm Sewer (size) 07. 42-INCH	1,057.000 LF	_____.	_____.
0060	204.0245 Removing Storm Sewer (size) 08. 48-INCH	292.000 LF	_____.	_____.
0062	204.0250 Abandoning Manholes	2.000 EACH	_____.	_____.
0064	204.0280 Sealing Pipes	5.000 EACH	_____.	_____.
0066	204.0291.S Abandoning Sewer	150.000 CY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0068	204.9060.S Removing (item description) 61. Removing Communication Vault	2.000 EACH	_____.	_____.
0070	204.9105.S Removing (item description) 61. Remove Traffic Signals STH 57 & STH 100	LS	LUMP SUM	_____.
0072	204.9105.S Removing (item description) 62. Remove Traffic Signals STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0074	204.9105.S Removing (item description) 63. Remove Traffic Signals STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0076	204.9105.S Removing (item description) 64. Remove Traffic Signals STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0078	204.9105.S Removing (item description) 65. Remove Traffic Signals STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0080	204.9105.S Removing (item description) 66. Remove Loop Detector Wire and Lead-In Cable STH 57 & STH 100	LS	LUMP SUM	_____.
0082	204.9105.S Removing (item description) 67. Remove Loop Detector Wire and Lead-In Cable STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0084	204.9105.S Removing (item description) 68. Remove Loop Detector Wire and Lead-In Cable STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0086	204.9105.S Removing (item description) 69. Remove Loop Detector Wire and Lead-In Cable STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0088	204.9105.S Removing (item description) 70. Remove Loop Detector Wire and Lead-In Cable STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0090	205.0100 Excavation Common	144,693.000 CY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0092	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	1.700 TON	_____.	_____.
0094	208.0100 Borrow	3,996.000 CY	_____.	_____.
0096	209.1500 Backfill Granular Grade 1	11,666.000 TON	_____.	_____.
0098	211.0100 Prepare Foundation for Asphaltic Paving (project) 01. 2270-04-70	LS	LUMP SUM	_____.
0100	213.0100 Finishing Roadway (project) 01. 2270-04-70	1.000 EACH	_____.	_____.
0102	213.0100 Finishing Roadway (project) 02. 2565-07-70	1.000 EACH	_____.	_____.
0104	214.0100 Obliterating Old Road	38.500 STA	_____.	_____.
0106	305.0110 Base Aggregate Dense 3/4-Inch	6,141.000 TON	_____.	_____.
0108	305.0120 Base Aggregate Dense 1 1/4-Inch	39,273.000 TON	_____.	_____.
0110	312.0110 Select Crushed Material	76,284.000 TON	_____.	_____.
0112	390.0103 Base Patching	106.000 SY	_____.	_____.
0114	390.0203 Base Patching Asphaltic	864.000 SY	_____.	_____.
0116	390.0303 Base Patching Concrete	2,139.000 SY	_____.	_____.
0118	405.0100 Coloring Concrete WisDOT Red	156.000 CY	_____.	_____.
0120	405.0200 Coloring Concrete Custom 01. Scofield Rust Fields	1,401.000 CY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0122	405.0200 Coloring Concrete Custom 02. Scofield Schooner Beige	363.000 CY	_____.	_____.
0124	405.0200 Coloring Concrete Custom 03. Scofield Plum Chestnut	213.000 CY	_____.	_____.
0126	415.0080 Concrete Pavement 8-Inch	54,710.000 SY	_____.	_____.
0128	415.0085 Concrete Pavement 8 1/2-Inch	12,100.000 SY	_____.	_____.
0130	415.1080 Concrete Pavement HES 8-Inch	5,439.000 SY	_____.	_____.
0132	415.5110.S Concrete Pavement Joint Layout 01. 2270-04-70	LS	LUMP SUM	_____.
0134	415.5110.S Concrete Pavement Joint Layout 02. 2565-07-70	LS	LUMP SUM	_____.
0136	416.0160 Concrete Driveway 6-Inch	140.000 SY	_____.	_____.
0138	416.0512 Concrete Truck Apron 12-Inch	470.000 SY	_____.	_____.
0140	450.4000 HMA Cold Weather Paving	2,446.000 TON	_____.	_____.
0142	455.0605 Tack Coat	6,921.000 GAL	_____.	_____.
0144	460.2000 Incentive Density HMA Pavement	12,810.000 DOL	1.00000	12,810.00
0146	460.6223 HMA Pavement 3 MT 58-28 S	11,817.000 TON	_____.	_____.
0148	460.6224 HMA Pavement 4 MT 58-28 S	8,877.000 TON	_____.	_____.
0150	465.0125 Asphaltic Surface Temporary	3,608.000 TON	_____.	_____.
0152	465.0310 Asphaltic Curb	736.000 LF	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0154	495.1000.S Cold patch	20.000 TON	_____.	_____.
0156	502.0100 Concrete Masonry Bridges	1.000 CY	_____.	_____.
0158	502.0717.S Crack Sealing Epoxy	60.000 LF	_____.	_____.
0160	502.3200 Protective Surface Treatment	2,377.000 SY	_____.	_____.
0162	502.3210 Pigmented Surface Sealer	86.000 SY	_____.	_____.
0164	502.3215.S Protective Surface Treatment Reseal	1,288.000 SY	_____.	_____.
0166	505.0600 Bar Steel Reinforcement HS Coated Structures	50.000 LB	_____.	_____.
0168	509.0200 Preparation Approaches	303.000 SY	_____.	_____.
0170	509.0301 Preparation Decks Type 1	1,273.000 SY	_____.	_____.
0172	509.0302 Preparation Decks Type 2	955.000 SY	_____.	_____.
0174	509.0505.S Cleaning Decks to Reapply Concrete Masonry Overlay	2,377.000 SY	_____.	_____.
0176	509.0600 Cleaning Approaches	303.000 SY	_____.	_____.
0178	509.1200 Curb Repair	60.000 LF	_____.	_____.
0180	509.1500 Concrete Surface Repair	2,345.000 SF	_____.	_____.
0182	509.2000 Full-Depth Deck Repair	2.000 SY	_____.	_____.
0184	509.2500 Concrete Masonry Overlay Decks	271.000 CY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0186	509.2600 Concrete Masonry Overlay Approaches	13.000 CY	_____.	_____.
0188	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 30. B-40-504	1,240.000 SY	_____.	_____.
0190	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 31. B-40-505	1,137.000 SY	_____.	_____.
0192	509.9050.S Cleaning Parapets	512.000 LF	_____.	_____.
0194	520.8000 Concrete Collars for Pipe	14.000 EACH	_____.	_____.
0196	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	1.000 EACH	_____.	_____.
0198	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	1.000 EACH	_____.	_____.
0200	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	2.000 EACH	_____.	_____.
0202	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	1.000 EACH	_____.	_____.
0204	522.1054 Apron Endwalls for Culvert Pipe Reinforced Concrete 54-Inch	1.000 EACH	_____.	_____.
0206	524.0612 Apron Endwalls for Culvert Pipe Salvaged 12-Inch	1.000 EACH	_____.	_____.
0208	531.2030 Drilling Shaft 30-Inch 01. S-40-3092	17.000 LF	_____.	_____.
0210	531.2030 Drilling Shaft 30-Inch 02. S-40-3093	17.000 LF	_____.	_____.
0212	531.2042 Drilling Shaft 42-Inch 0001. S-40-669	18.000 LF	_____.	_____.
0214	531.2042 Drilling Shaft 42-Inch 0002. S-40-3090	18.000 LF	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0216	531.2042 Drilling Shaft 42-Inch 0003. S-40-3091	18.000 LF	_____.	_____.
0218	531.5110 Foundation Single-Shaft Type MC-I (structure) 01. S-40-3092	1.000 EACH	_____.	_____.
0220	531.5110 Foundation Single-Shaft Type MC-I (structure) 02. S-40-3093	1.000 EACH	_____.	_____.
0222	531.5130 Foundation Single-Shaft Type MC-III (structure) 0001. S-40-669	1.000 EACH	_____.	_____.
0224	531.5130 Foundation Single-Shaft Type MC-III (structure) 0002. S-40-3090	1.000 EACH	_____.	_____.
0226	531.5140 Foundation Single-Shaft Type MC-IV (structure) 0003. S-40-3091	1.000 EACH	_____.	_____.
0228	532.5110 Monotube Cantilever Type I (structure) 01. S-40-3092	1.000 EACH	_____.	_____.
0230	532.5110 Monotube Cantilever Type I (structure) 02. S-40-3093	1.000 EACH	_____.	_____.
0232	532.5130 Monotube Cantilever Type III (structure) 0001. S-40-669	1.000 EACH	_____.	_____.
0234	532.5130 Monotube Cantilever Type III (structure) 0002. S-40-3090	1.000 EACH	_____.	_____.
0236	532.5140 Monotube Cantilever Type IV (structure) 0003. S-40-3091	1.000 EACH	_____.	_____.
0238	601.0405 Concrete Curb & Gutter 18-Inch Type A	389.000 LF	_____.	_____.
0240	601.0407 Concrete Curb & Gutter 18-Inch Type D	240.000 LF	_____.	_____.
0242	601.0409 Concrete Curb & Gutter 30-Inch Type A	31,355.000 LF	_____.	_____.



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0244	601.0411 Concrete Curb & Gutter 30-Inch Type D	1,470.000 LF	_____.	_____.
0246	601.0413 Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	621.000 LF	_____.	_____.
0248	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	1,079.000 LF	_____.	_____.
0250	601.0580 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	393.000 LF	_____.	_____.
0252	601.0600 Concrete Curb Pedestrian	642.000 LF	_____.	_____.
0254	602.0410 Concrete Sidewalk 5-Inch	109,454.000 SF	_____.	_____.
0256	602.0505 Curb Ramp Detectable Warning Field Yellow	1,064.000 SF	_____.	_____.
0258	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	56.000 SF	_____.	_____.
0260	603.8000 Concrete Barrier Temporary Precast Delivered	1,105.000 LF	_____.	_____.
0262	603.8125 Concrete Barrier Temporary Precast Installed	2,068.000 LF	_____.	_____.
0264	606.0200 Riprap Medium	23.000 CY	_____.	_____.
0266	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	707.000 LF	_____.	_____.
0268	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	3,117.000 LF	_____.	_____.
0270	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	600.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0272	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	2,155.000 LF	_____.	_____.
0274	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	1,468.000 LF	_____.	_____.
0276	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	74.000 LF	_____.	_____.
0278	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	22.000 LF	_____.	_____.
0280	608.0354 Storm Sewer Pipe Reinforced Concrete Class III 54-Inch	1,027.000 LF	_____.	_____.
0282	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	454.000 LF	_____.	_____.
0284	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	1,395.000 LF	_____.	_____.
0286	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	58.000 LF	_____.	_____.
0288	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	1,671.000 LF	_____.	_____.
0290	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	247.000 LF	_____.	_____.
0292	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	22.000 LF	_____.	_____.
0294	608.0448 Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	106.000 LF	_____.	_____.
0296	611.0430 Reconstructing Inlets	3.000 EACH	_____.	_____.



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0298	611.0530 Manhole Covers Type J	9.000 EACH	_____.	_____.
0300	611.0535 Manhole Covers Type J-Special	28.000 EACH	_____.	_____.
0302	611.0606 Inlet Covers Type B	5.000 EACH	_____.	_____.
0304	611.0612 Inlet Covers Type C	2.000 EACH	_____.	_____.
0306	611.0624 Inlet Covers Type H	153.000 EACH	_____.	_____.
0308	611.0639 Inlet Covers Type H-S	31.000 EACH	_____.	_____.
0310	611.0642 Inlet Covers Type MS	13.000 EACH	_____.	_____.
0312	611.0651 Inlet Covers Type S	5.000 EACH	_____.	_____.
0314	611.0652 Inlet Covers Type T	2.000 EACH	_____.	_____.
0316	611.1004 Catch Basins 4-FT Diameter	96.000 EACH	_____.	_____.
0318	611.1005 Catch Basins 5-FT Diameter	12.000 EACH	_____.	_____.
0320	611.1006 Catch Basins 6-FT Diameter	7.000 EACH	_____.	_____.
0322	611.1230 Catch Basins 2x3-FT	21.000 EACH	_____.	_____.
0324	611.2004 Manholes 4-FT Diameter	9.000 EACH	_____.	_____.
0326	611.2005 Manholes 5-FT Diameter	16.000 EACH	_____.	_____.
0328	611.2006 Manholes 6-FT Diameter	11.000 EACH	_____.	_____.
0330	611.2007 Manholes 7-FT Diameter	7.000 EACH	_____.	_____.



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0332	611.2008 Manholes 8-FT Diameter	1.000 EACH	_____.	_____.
0334	611.3003 Inlets 3-FT Diameter	3.000 EACH	_____.	_____.
0336	611.3004 Inlets 4-FT Diameter	28.000 EACH	_____.	_____.
0338	611.3220 Inlets 2x2-FT	1.000 EACH	_____.	_____.
0340	611.3901 Inlets Median 1 Grate	11.000 EACH	_____.	_____.
0342	611.3902 Inlets Median 2 Grate	1.000 EACH	_____.	_____.
0344	611.8110 Adjusting Manhole Covers	3.000 EACH	_____.	_____.
0346	611.8115 Adjusting Inlet Covers	14.000 EACH	_____.	_____.
0348	611.8120.S Cover Plates Temporary	5.000 EACH	_____.	_____.
0350	611.9800.S Pipe Grates	3.000 EACH	_____.	_____.
0352	614.0905 Crash Cushions Temporary	1.000 EACH	_____.	_____.
0354	614.0935 Salvaged Sand Barrels	25.000 EACH	_____.	_____.
0356	616.0700.S Fence Safety	560.000 LF	_____.	_____.
0358	619.1000 Mobilization	1.000 EACH	_____.	_____.
0360	620.0300 Concrete Median Sloped Nose	2,070.000 SF	_____.	_____.
0362	624.0100 Water	1,467.000 MGAL	_____.	_____.
0364	625.0100 Topsoil	24,938.000 SY	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0366	625.0500 Salvaged Topsoil	29,170.000 SY	_____.	_____.
0368	627.0200 Mulching	10,755.000 SY	_____.	_____.
0370	628.1104 Erosion Bales	16.000 EACH	_____.	_____.
0372	628.1504 Silt Fence	6,446.000 LF	_____.	_____.
0374	628.1520 Silt Fence Maintenance	8,644.000 LF	_____.	_____.
0376	628.1550 Silt Screen	30.000 LF	_____.	_____.
0378	628.1905 Mobilizations Erosion Control	7.000 EACH	_____.	_____.
0380	628.1910 Mobilizations Emergency Erosion Control	16.000 EACH	_____.	_____.
0382	628.2006 Erosion Mat Urban Class I Type A	23,200.000 SY	_____.	_____.
0384	628.2008 Erosion Mat Urban Class I Type B	3,893.000 SY	_____.	_____.
0386	628.6505 Soil Stabilizer Type A	2.000 ACRE	_____.	_____.
0388	628.7005 Inlet Protection Type A	237.000 EACH	_____.	_____.
0390	628.7010 Inlet Protection Type B	33.000 EACH	_____.	_____.
0392	628.7015 Inlet Protection Type C	494.000 EACH	_____.	_____.
0394	628.7020 Inlet Protection Type D	36.000 EACH	_____.	_____.
0396	628.7504 Temporary Ditch Checks	620.000 LF	_____.	_____.
0398	628.7555 Culvert Pipe Checks	18.000 EACH	_____.	_____.



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0400	628.7560 Tracking Pads	14.000 EACH	_____.	_____.
0402	628.7570 Rock Bags	50.000 EACH	_____.	_____.
0404	629.0205 Fertilizer Type A	34.000 CWT	_____.	_____.
0406	630.0140 Seeding Mixture No. 40	1,129.000 LB	_____.	_____.
0408	630.0200 Seeding Temporary	157.000 LB	_____.	_____.
0410	630.0500 Seed Water	958.000 MGAL	_____.	_____.
0412	631.0300 Sod Water	172.000 MGAL	_____.	_____.
0414	631.1000 Sod Lawn	11,344.000 SY	_____.	_____.
0416	632.0101 Trees (species) (size) (root) 01. Trees, Carpinus Caroliniana 'JN Upright'	13.000 EACH	_____.	_____.
0418	632.0101 Trees (species) (size) (root) 02. Trees, Syringa Reticulata 'Ivory Silk'	18.000 EACH	_____.	_____.
0420	632.0101 Trees (species) (size) (root) 03. Trees, Ginkgo Biloba 'Princeton Sentry'	9.000 EACH	_____.	_____.
0422	632.0101 Trees (species) (size) (root) 04. Trees, Malus Royal Raindrops	17.000 EACH	_____.	_____.
0424	632.0101 Trees (species) (size) (root) 05. Trees, Gleditsia Triacanthos 'Shademaster'	4.000 EACH	_____.	_____.
0426	632.0101 Trees (species) (size) (root) 06. Trees, Crataegus Viridis ' Winter King'	18.000 EACH	_____.	_____.
0428	632.0101 Trees (species) (size) (root) 08. Trees, Picea Glauca Var Densata	9.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0430	632.0101 Trees (species) (size) (root) 09. Malus 'Red Barron' B&B, 2-INCH CAL	3.000 EACH	_____.	_____.
0432	632.0101 Trees (species) (size) (root) 10. Amelachier X Grandiflora 'Autumn Brilliance' B&B, 7-FT HT	3.000 EACH	_____.	_____.
0434	632.0101 Trees (species) (size) (root) 11. Crataegus Laevigata 'Crimson Cloud' B&B, 2-INCH CAL	3.000 EACH	_____.	_____.
0436	632.0201 Shrubs (species) (size) (root) 01. Shrubs, Diervilla Lonicera 'Dwarf Bush'	144.000 EACH	_____.	_____.
0438	632.0201 Shrubs (species) (size) (root) 02. Shrubs, Juniperus Sabina 'Buffalo'	82.000 EACH	_____.	_____.
0440	632.0201 Shrubs (species) (size) (root) 03. Shrubs, Rosa Rugosa 'Dwarf Pavement'	74.000 EACH	_____.	_____.
0442	632.0201 Shrubs (species) (size) (root) 04. Shrubs, Aronia Melanocarpa 'Morton'	56.000 EACH	_____.	_____.
0444	633.5200 Markers Culvert End	6.000 EACH	_____.	_____.
0446	634.0618 Posts Wood 4x6-Inch X 18-FT	283.000 EACH	_____.	_____.
0448	634.0622 Posts Wood 4x6-Inch X 22-FT	6.000 EACH	_____.	_____.
0450	634.0814 Posts Tubular Steel 2x2-Inch X 14-FT	68.000 EACH	_____.	_____.
0452	637.2210 Signs Type II Reflective H	2,937.015 SF	_____.	_____.
0454	637.2215 Signs Type II Reflective H Folding	313.320 SF	_____.	_____.
0456	637.2230 Signs Type II Reflective F	793.530 SF	_____.	_____.



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0458	638.2102 Moving Signs Type II	20.000 EACH	_____.	_____.
0460	638.2602 Removing Signs Type II	242.000 EACH	_____.	_____.
0462	638.3000 Removing Small Sign Supports	215.000 EACH	_____.	_____.
0464	643.0300 Traffic Control Drums	364,511.000 DAY	_____.	_____.
0466	643.0410 Traffic Control Barricades Type II	2,591.000 DAY	_____.	_____.
0468	643.0420 Traffic Control Barricades Type III	72,318.000 DAY	_____.	_____.
0470	643.0500 Traffic Control Flexible Tubular Marker Posts	1,007.000 EACH	_____.	_____.
0472	643.0600 Traffic Control Flexible Tubular Marker Bases	859.000 EACH	_____.	_____.
0474	643.0705 Traffic Control Warning Lights Type A	144,636.000 DAY	_____.	_____.
0476	643.0715 Traffic Control Warning Lights Type C	72,058.000 DAY	_____.	_____.
0478	643.0800 Traffic Control Arrow Boards	1,909.000 DAY	_____.	_____.
0480	643.0900 Traffic Control Signs	181,144.000 DAY	_____.	_____.
0482	643.0920 Traffic Control Covering Signs Type II	27.000 EACH	_____.	_____.
0484	643.1000 Traffic Control Signs Fixed Message	574.000 SF	_____.	_____.
0486	643.1050 Traffic Control Signs PCMS	465.000 DAY	_____.	_____.
0488	643.1070 Traffic Control Cones 42-Inch	22,153.000 DAY	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0490	643.4100.S Traffic Control Interim Lane Closure	112.000 EACH	_____.	_____.
0492	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0494	644.1410 Temporary Pedestrian Surface Asphalt	2,605.000 SF	_____.	_____.
0496	644.1430 Temporary Pedestrian Surface Plate	2,645.000 SF	_____.	_____.
0498	644.1601 Temporary Pedestrian Curb Ramp	718.000 DAY	_____.	_____.
0500	644.1810 Temporary Pedestrian Barricade	2,635.000 LF	_____.	_____.
0502	645.0120 Geotextile Type HR	16.000 SY	_____.	_____.
0504	645.0130 Geotextile Type R	30.000 SY	_____.	_____.
0506	646.1020 Marking Line Epoxy 4-Inch	48,654.000 LF	_____.	_____.
0508	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	15,837.000 LF	_____.	_____.
0510	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	5,105.000 LF	_____.	_____.
0512	646.3020 Marking Line Epoxy 8-Inch	2,442.000 LF	_____.	_____.
0514	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	8,077.000 LF	_____.	_____.
0516	646.4520 Marking Line Same Day Epoxy 4-Inch	19,972.000 LF	_____.	_____.
0518	646.4620 Marking Line Same Day Epoxy 8-Inch	2,091.000 LF	_____.	_____.
0520	646.5005 Marking Arrow Paint	2.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0522	646.5020 Marking Arrow Epoxy	69.000 EACH	_____.	_____.
0524	646.5105 Marking Word Paint	2.000 EACH	_____.	_____.
0526	646.5120 Marking Word Epoxy	29.000 EACH	_____.	_____.
0528	646.5320 Marking Railroad Crossings Epoxy	6.000 EACH	_____.	_____.
0530	646.6120 Marking Stop Line Epoxy 18-Inch	1,034.000 LF	_____.	_____.
0532	646.6320 Marking Dotted Extension Epoxy 18-Inch	67.000 LF	_____.	_____.
0534	646.7120 Marking Diagonal Epoxy 12-Inch	942.000 LF	_____.	_____.
0536	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	3,616.000 LF	_____.	_____.
0538	646.7520 Marking Crosswalk Epoxy Block Style 24-Inch	271.000 LF	_____.	_____.
0540	646.8120 Marking Curb Epoxy	3,014.000 LF	_____.	_____.
0542	646.8220 Marking Island Nose Epoxy	33.000 EACH	_____.	_____.
0544	646.9000 Marking Removal Line 4-Inch	14,036.000 LF	_____.	_____.
0546	646.9100 Marking Removal Line 8-Inch	400.000 LF	_____.	_____.
0548	646.9300 Marking Removal Special Marking	7.000 EACH	_____.	_____.
0550	648.0100 Locating No-Passing Zones	1.940 MI	_____.	_____.
0552	649.0105 Temporary Marking Line Paint 4-Inch	39,023.000 LF	_____.	_____.



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0554	649.0150 Temporary Marking Line Removable Tape 4-Inch	112,951.000 LF	_____.	_____.
0556	649.0205 Temporary Marking Line Paint 8-Inch	1,804.000 LF	_____.	_____.
0558	649.0250 Temporary Marking Line Removable Tape 8-Inch	5,621.000 LF	_____.	_____.
0560	649.0650 Temporary Marking Word Removable Tape	8.000 EACH	_____.	_____.
0562	649.0760 Temporary Marking Raised Pavement Marker Type I	423.000 EACH	_____.	_____.
0564	649.0805 Temporary Marking Stop Line Paint 18-Inch	144.000 LF	_____.	_____.
0566	649.0850 Temporary Marking Stop Line Removable Tape 18-Inch	792.000 LF	_____.	_____.
0568	649.0960 Temporary Marking Removable Mask Out Tape 6-Inch	2,423.000 LF	_____.	_____.
0570	650.4000 Construction Staking Storm Sewer	247.000 EACH	_____.	_____.
0572	650.4500 Construction Staking Subgrade	15,113.000 LF	_____.	_____.
0574	650.7000 Construction Staking Concrete Pavement	13,344.000 LF	_____.	_____.
0576	650.8000 Construction Staking Resurfacing Reference	14,499.000 LF	_____.	_____.
0578	650.8500 Construction Staking Electrical Installations (project) 01. 2270-04-70	LS	LUMP SUM	_____.
0580	650.8500 Construction Staking Electrical Installations (project) 02. 2565-07-70	LS	LUMP SUM	_____.



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0582	650.9000 Construction Staking Curb Ramps	89.000 EACH	_____.	_____.
0584	650.9910 Construction Staking Supplemental Control (project) 01. 2270-04-70	LS	LUMP SUM	_____.
0586	650.9910 Construction Staking Supplemental Control (project) 02. 2565-07-70	LS	LUMP SUM	_____.
0588	650.9920 Construction Staking Slope Stakes	16,356.000 LF	_____.	_____.
0590	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	11,900.000 LF	_____.	_____.
0592	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	6,492.000 LF	_____.	_____.
0594	652.0605 Conduit Special 2-Inch	156.000 LF	_____.	_____.
0596	652.0615 Conduit Special 3-Inch	1,970.000 LF	_____.	_____.
0598	652.0800 Conduit Loop Detector	11,992.000 LF	_____.	_____.
0600	653.0135 Pull Boxes Steel 24x36-Inch	67.000 EACH	_____.	_____.
0602	653.0140 Pull Boxes Steel 24x42-Inch	99.000 EACH	_____.	_____.
0604	653.0905 Removing Pull Boxes	87.000 EACH	_____.	_____.
0606	654.0101 Concrete Bases Type 1	39.000 EACH	_____.	_____.
0608	654.0102 Concrete Bases Type 2	11.000 EACH	_____.	_____.
0610	654.0105 Concrete Bases Type 5	47.000 EACH	_____.	_____.
0612	654.0110 Concrete Bases Type 10	10.000 EACH	_____.	_____.



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0614	654.0120 Concrete Bases Type 10-Special	15.000 EACH	_____.	_____.
0616	654.0217 Concrete Control Cabinet Bases Type 9 Special	4.000 EACH	_____.	_____.
0618	654.0230 Concrete Control Cabinet Bases Type L30	1.000 EACH	_____.	_____.
0620	655.0230 Cable Traffic Signal 5-14 AWG	4,504.000 LF	_____.	_____.
0622	655.0240 Cable Traffic Signal 7-14 AWG	9,906.000 LF	_____.	_____.
0624	655.0260 Cable Traffic Signal 12-14 AWG	13,371.000 LF	_____.	_____.
0626	655.0270 Cable Traffic Signal 15-14 AWG	550.000 LF	_____.	_____.
0628	655.0320 Cable Type UF 2-10 AWG Grounded	9,943.000 LF	_____.	_____.
0630	655.0510 Electrical Wire Traffic Signals 12 AWG	8,111.000 LF	_____.	_____.
0632	655.0515 Electrical Wire Traffic Signals 10 AWG	15,803.000 LF	_____.	_____.
0634	655.0610 Electrical Wire Lighting 12 AWG	11,013.000 LF	_____.	_____.
0636	655.0615 Electrical Wire Lighting 10 AWG	11,347.000 LF	_____.	_____.
0638	655.0700 Loop Detector Lead In Cable	44,400.000 LF	_____.	_____.
0640	655.0800 Loop Detector Wire	46,196.000 LF	_____.	_____.
0642	655.0900 Traffic Signal EVP Detector Cable	7,644.000 LF	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0644	656.0200 Electrical Service Meter Breaker Pedestal (location) 61. STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0646	656.0200 Electrical Service Meter Breaker Pedestal (location) 62. STH 57 & STH 100	LS	LUMP SUM	_____.
0648	656.0200 Electrical Service Meter Breaker Pedestal (location) 63. STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0650	656.0200 Electrical Service Meter Breaker Pedestal (location) 64. STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0652	656.0200 Electrical Service Meter Breaker Pedestal (location) 65. STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0654	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 01. HL-40-GBT	LS	LUMP SUM	_____.
0656	657.0100 Pedestal Bases	2.000 EACH	_____.	_____.
0658	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	2.000 EACH	_____.	_____.
0660	657.0305 Poles Type 2	1.000 EACH	_____.	_____.
0662	657.0322 Poles Type 5-Aluminum	1.000 EACH	_____.	_____.
0664	657.0420 Traffic Signal Standards Aluminum 13-FT	2.000 EACH	_____.	_____.
0666	657.0610 Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	1.000 EACH	_____.	_____.
0668	658.0173 Traffic Signal Face 3S 12-Inch	12.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0670	658.0174 Traffic Signal Face 4S 12-Inch	4.000 EACH	_____.	_____.
0672	658.5069 Signal Mounting Hardware (location) 61. STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0674	658.5069 Signal Mounting Hardware (location) 62. STH 57 & STH 100	LS	LUMP SUM	_____.
0676	658.5069 Signal Mounting Hardware (location) 63. STH 100 & N Kildeer Cr	LS	LUMP SUM	_____.
0678	658.5069 Signal Mounting Hardware (location) 64. STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0680	658.5069 Signal Mounting Hardware (location) 65. STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0682	658.5069 Signal Mounting Hardware (location) 66. STH 57 & Donges Bay Road	LS	LUMP SUM	_____.
0684	659.1125 Luminaires Utility LED C	4.000 EACH	_____.	_____.
0686	659.2230 Lighting Control Cabinets 240/480 30-Inch	1.000 EACH	_____.	_____.
0688	661.0200 Temporary Traffic Signals for Intersections (location) 61. STH 57 SB Ramps & STH 100	LS	LUMP SUM	_____.
0690	661.0200 Temporary Traffic Signals for Intersections (location) 62. STH 57 & STH 100	LS	LUMP SUM	_____.
0692	661.0200 Temporary Traffic Signals for Intersections (location) 63. STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0694	661.0200 Temporary Traffic Signals for Intersections (location) 64. STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0696	661.0300 Generators	4.000 DAY	_____.	_____.
0698	670.0100 Field System Integrator 61. STH 100 & STH 57 Traffic Signals	LS	LUMP SUM	_____.
0700	670.0200 ITS Documentation 61. STH 100 & STH 57 Traffic Signals	LS	LUMP SUM	_____.
0702	671.0122 Conduit HDPE 2-Duct 2-Inch	5,174.000 LF	_____.	_____.
0704	671.0222 Conduit HDPE Directional Bore 2-Duct 2-Inch	290.000 LF	_____.	_____.
0706	673.0105 Communication Vault Type 1	6.000 EACH	_____.	_____.
0708	674.0300 Remove Cable	3,658.000 LF	_____.	_____.
0710	677.0200 Install Camera Assembly	5.000 EACH	_____.	_____.
0712	678.0036 Install Fiber Optic Cable Outdoor Plant 36-CT	8,398.000 LF	_____.	_____.
0714	678.0200 Fiber Optic Splice Enclosure	4.000 EACH	_____.	_____.
0716	678.0300 Fiber Optic Splice	92.000 EACH	_____.	_____.
0718	678.0500 Communication System Testing 61. STH 100 & STH 57 Traffic Signals	LS	LUMP SUM	_____.
0720	678.0600 Install Ethernet Switches	4.000 EACH	_____.	_____.
0722	678.0700 Install Wireless Antennas	1.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70

Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0724	690.0150 Sawing Asphalt	3,876.000 LF	_____.	_____.
0726	690.0250 Sawing Concrete	13,228.000 LF	_____.	_____.
0728	715.0415 Incentive Strength Concrete Pavement	21,675.000 DOL	1.00000	21,675.00
0730	715.0502 Incentive Strength Concrete Structures	1,626.000 DOL	1.00000	1,626.00
0732	715.0710 Optimized Aggregate Gradation Incentive	63,624.000 DOL	1.00000	63,624.00
0734	999.2000.S Installing and Maintaining Bird Deterrent System (Station) 01. B-40-504	1.000 EACH	_____.	_____.
0736	999.2000.S Installing and Maintaining Bird Deterrent System (Station) 02. B-40-505	1.000 EACH	_____.	_____.
0738	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	6,400.000 HRS	5.00000	32,000.00
0740	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	17,280.000 HRS	4.98000	86,054.40
0742	SPV.0035 Special 01. Backfill Slurry	10.000 CY	_____.	_____.
0744	SPV.0035 Special 40. Shredded Hardwood Bark Mulch	290.000 CY	_____.	_____.
0746	SPV.0060 Special 01. Manholes 9-FT Special	1.000 EACH	_____.	_____.
0748	SPV.0060 Special 02. Manholes 10-FT Special	2.000 EACH	_____.	_____.
0750	SPV.0060 Special 03. Pipe Connection to Existing Structure	6.000 EACH	_____.	_____.
0752	SPV.0060 Special 05. Field Facilities Office Space	1.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0754	SPV.0060 Special 06. Curb Ramp Grading, Shaping, and Finishing	17.000 EACH	_____.	_____.
0756	SPV.0060 Special 10. Sanitary Sewer Reinforced Concrete Collar 12-INCH	2.000 EACH	_____.	_____.
0758	SPV.0060 Special 11. Sanitary Sewer Reinforced Concrete Collar 21-INCH	2.000 EACH	_____.	_____.
0760	SPV.0060 Special 12. Reconstructing Village of Brown Deer Sanitary Manholes	1.000 EACH	_____.	_____.
0762	SPV.0060 Special 13. Adjusting Village of Brown Deer Sanitary Manhole Covers	4.000 EACH	_____.	_____.
0764	SPV.0060 Special 14. Adjusting Village of Brown Deer Water Boxes	14.000 EACH	_____.	_____.
0766	SPV.0060 Special 15. Adjusting City of Mequon Sanitary Manhole Covers	1.000 EACH	_____.	_____.
0768	SPV.0060 Special 16. Adjusting Mequon Water Utility Water Boxes	3.000 EACH	_____.	_____.
0770	SPV.0060 Special 17. Marking Contrast Epoxy Special Marking Arrow	23.000 EACH	_____.	_____.
0772	SPV.0060 Special 18. Marking Contrast Epoxy Special Marking Words	7.000 EACH	_____.	_____.
0774	SPV.0060 Special 19. Utility Line Opening (ULO)	12.000 EACH	_____.	_____.
0776	SPV.0060 Special 30. Tubular Railing Repair Type 1	3.000 EACH	_____.	_____.
0778	SPV.0060 Special 31. Tubular Railing Repair Type 2	3.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0780	SPV.0060 Special 32. Tubular Railing Repair Type 3	1.000 EACH	_____.	_____.
0782	SPV.0060 Special 40. Masonry Pillar and Wall	1.000 EACH	_____.	_____.
0784	SPV.0060 Special 41. Perennials, Geranium X Cantabrigiense 'Karmina'	200.000 EACH	_____.	_____.
0786	SPV.0060 Special 42. Perennials, Panicum Virgatum 'Heavy Metal'	106.000 EACH	_____.	_____.
0788	SPV.0060 Special 43. Perennials, Nepeta 'Kit Cat'	156.000 EACH	_____.	_____.
0790	SPV.0060 Special 44. Perennials, Schizachyrium Scoparium 'Little Bluestem Grass'	215.000 EACH	_____.	_____.
0792	SPV.0060 Special 45. Perennials, Calamintha Nepeta 'Montrose White'	94.000 EACH	_____.	_____.
0794	SPV.0060 Special 46. Perennials, Sporobolus Heterolepis 'Prairie Dropseed'	144.000 EACH	_____.	_____.
0796	SPV.0060 Special 47. Remove, Stockpile and Reinstall Municipal Monument Sign	1.000 EACH	_____.	_____.
0798	SPV.0060 Special 48. Select Stone Material 3'X4'X3'	219.000 EACH	_____.	_____.
0800	SPV.0060 Special 49. Select Stone Material 5'X3'X5'	10.000 EACH	_____.	_____.
0802	SPV.0060 Special 50. Artistic Panels	10.000 EACH	_____.	_____.
0804	SPV.0060 Special 51. Wayfinding Sign	1.000 EACH	_____.	_____.
0806	SPV.0060 Special 61. Concrete Control Cabinet Bases Type 9 Special Super P	1.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0808	SPV.0060 Special 62. Pedestal Bases Black	43.000 EACH	_____.	_____.
0810	SPV.0060 Special 63. Transformer Bases Breakaway 11 1/2-Inch Bolt Circle Black	58.000 EACH	_____.	_____.
0812	SPV.0060 Special 64. Poles Type 3 Black	9.000 EACH	_____.	_____.
0814	SPV.0060 Special 65. Poles Type 5-Aluminum Black	49.000 EACH	_____.	_____.
0816	SPV.0060 Special 66. Traffic Signal Standards Aluminum 3.5-FT Black	1.000 EACH	_____.	_____.
0818	SPV.0060 Special 67. Traffic Signal Standards Aluminum 13-FT Black	16.000 EACH	_____.	_____.
0820	SPV.0060 Special 68. Traffic Signal Standards Aluminum 15-FT Black	17.000 EACH	_____.	_____.
0822	SPV.0060 Special 69. Traffic Signal Standards Aluminum 10-FT Black	9.000 EACH	_____.	_____.
0824	SPV.0060 Special 70. Luminaire Arms Single Member 4-INCH Clamp 6-FT Black	14.000 EACH	_____.	_____.
0826	SPV.0060 Special 71. Luminaire Arms Single Member 4 1/2-INCH Clamp 6-FT Black	34.000 EACH	_____.	_____.
0828	SPV.0060 Special 72. Install Poles Type 9	3.000 EACH	_____.	_____.
0830	SPV.0060 Special 73. Install Poles Type 9-Special	9.000 EACH	_____.	_____.
0832	SPV.0060 Special 74. Install Poles Type 10	8.000 EACH	_____.	_____.
0834	SPV.0060 Special 75. Install Poles Type 10-Special	6.000 EACH	_____.	_____.
0836	SPV.0060 Special 76. Install Monotube Arms 20-FT	1.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0838	SPV.0060 Special 77. Install Monotube Arms 25-FT	4.000 EACH	_____.	_____.
0840	SPV.0060 Special 78. Install Monotube Arms 30-FT	6.000 EACH	_____.	_____.
0842	SPV.0060 Special 79. Install Monotube Arms 35-FT Special	3.000 EACH	_____.	_____.
0844	SPV.0060 Special 80. Install Monotube Arms 40-FT Special	3.000 EACH	_____.	_____.
0846	SPV.0060 Special 81. Install Monotube Arms 45-FT Special	9.000 EACH	_____.	_____.
0848	SPV.0060 Special 82. Install Luminaire Arms Steel 15-FT	20.000 EACH	_____.	_____.
0850	SPV.0060 Special 83. Traffic Signal Face 3S 12- INCH Black	92.000 EACH	_____.	_____.
0852	SPV.0060 Special 84. Traffic Signal Face 4S 12- INCH Black	34.000 EACH	_____.	_____.
0854	SPV.0060 Special 85. Pedestrian Signal Face 16- INCH Black	42.000 EACH	_____.	_____.
0856	SPV.0060 Special 86. Pedestrian Push Button Black	51.000 EACH	_____.	_____.
0858	SPV.0060 Special 87. Luminaires Utility LED C Black	85.000 EACH	_____.	_____.
0860	SPV.0060 Special 88. Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT Black	20.000 EACH	_____.	_____.
0862	SPV.0060 Special 89. Install Monotube Arms 45-FT	2.000 EACH	_____.	_____.
0864	SPV.0060 Special 90. Install Poles Type 12	2.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0866	SPV.0085 Special 40. No Mow Fescue Mix	29.000 LB	_____.	_____.
0868	SPV.0090 Special 01. Heavy Duty Silt Fence	2,198.000 LF	_____.	_____.
0870	SPV.0090 Special 10. Sanitary Sewer Pipe Reinforced Concrete Class II 12-INCH	63.000 LF	_____.	_____.
0872	SPV.0090 Special 11. Sanitary Sewer Pipe Reinforced Concrete Class II 21-INCH	101.000 LF	_____.	_____.
0876	SPV.0090 Special 40. Steel Edging Material	1,430.000 LF	_____.	_____.
0878	SPV.0090 Special 41. Compacted Gravel Leveling Course	20.000 LF	_____.	_____.
0880	SPV.0105 Special 01. Control of Water Storm Sewer	LS	LUMP SUM	_____.
0886	SPV.0105 Special 12. Temporary Sanitary Sewer Bypass	LS	LUMP SUM	_____.
0888	SPV.0105 Special 61. Trnspt & Install State Furn Traffic Signal Cabinet STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0890	SPV.0105 Special 62. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & STH 100	LS	LUMP SUM	_____.
0892	SPV.0105 Special 63. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0894	SPV.0105 Special 64. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0896	SPV.0105 Special 65. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0898	SPV.0105 Special 66. Trnspt Traffic Signals & Inter Lighting Materials STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0900	SPV.0105 Special 67. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & STH 100	LS	LUMP SUM	_____.
0902	SPV.0105 Special 68. Trnspt Traffic Signals & Inter Lighting Materials STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0904	SPV.0105 Special 69. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0906	SPV.0105 Special 70. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0908	SPV.0105 Special 71. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0910	SPV.0105 Special 72. Trnspt & Install State Furn EVP Heads STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0912	SPV.0105 Special 73. Trnspt & Install State Furn EVP Heads STH 57 & STH 100	LS	LUMP SUM	_____.
0914	SPV.0105 Special 74. Trnspt & Install State Furn EVP Heads STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0916	SPV.0105 Special 75. Trnspt & Install State Furn EVP Heads STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0918	SPV.0105 Special 76. Trnspt & Install State Furn EVP Heads STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0920	SPV.0105 Special 77. Trnspt & Install State Furn EVP Heads STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0922	SPV.0105 Special 79. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0924	SPV.0105 Special 80. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 57 & STH 100	LS	LUMP SUM	_____.
0926	SPV.0105 Special 81. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0928	SPV.0105 Special 82. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0930	SPV.0105 Special 83. Trnspt and Install S-F Radar Detection System STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0932	SPV.0105 Special 84. Temporary EVP System STH 57 SB Ramps & STH 100	LS	LUMP SUM	_____.
0934	SPV.0105 Special 85. Temporary EVP System STH 57 & STH 100	LS	LUMP SUM	_____.
0936	SPV.0105 Special 86. Temporary EVP System STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0938	SPV.0105 Special 87. Temporary EVP System STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0940	SPV.0105 Special 88. Covering Traffic Signal Equipment STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0942	SPV.0165 Special 01. Construction Staking Sidewalk	79,608.000 SF	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0944	SPV.0165 Special 30. PPC Beam Surface Repair	5.000 SF	_____.	_____.
0946	SPV.0195 Special 01. Excavation, Hauling, and Disposal of Creosote Contaminated Soil	3,587.000 TON	_____.	_____.
0948	SPV.0195 Special 02. Joint and Crack Repair	575.000 TON	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.



Wisconsin Department of Transportation

September 8, 2021

Division of Transportation Systems Development

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

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

NOTICE TO ALL CONTRACTORS:

Proposal #24: 2565-07-70, WISC 2021442
Green Bay Rd, Village of Brown Deer
Teutonia Avenue Intersection
STH 57
Milwaukee County

2150-00-72
Brown Deer Road
STH 100, B-40-504, B-40-505
STH 100
Milwaukee County

2270-04-70, WISC 2021441
STH 57-Vil Brown Deer & City Mequon
Teutonia Avenue to Mequon Road
STH 57
Milwaukee & Ozaukee County

Letting of September 14, 2021

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
9	Referenced Construction Specifications.
103	Sanitary Sewer Pipe Reinforced Concrete Class II 12-INCH, Item SPV.0090.10; Sanitary Sewer Pipe Reinforced Concrete Class II 21-INCH, Item SPV.0090.11.

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0090.10	Sanitary Sewer Pipe Reinforced Concrete Class III 12-INCH	LF	63	0	63
SPV.0090.11	Sanitary Sewer Pipe Reinforced Concrete Class IV 21-INCH	LF	101	0	101
Revised Items above was for class change only					
608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-INCH	LF	454	-44	410

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
608.3012	Storm Sewer Pipe Class III-A 12-INCH	LF	0	751	751
608.3015	Storm Sewer Pipe Class III-A 15-INCH	LF	0	3,117	3,117
608.3018	Storm Sewer Pipe Class III-A 18-INCH	LF	0	600	600
608.3024	Storm Sewer Pipe Class III-A 24-INCH	LF	0	2,155	2,155
608.3036	Storm Sewer Pipe Class III-A 36-INCH	LF	0	1,468	1,468

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-INCH	LF	707	-707	0
608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-INCH	LF	3,117	-3,117	0
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-INCH	LF	600	-600	0
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-INCH	LF	2,155	-2,155	0
608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-INCH	LF	1,468	-1,468	0

Plan Sheets:

Revised Plan Sheets – 2270-04-70	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
176	Storm Sewer Plan and Profile (Revised pipe type notes)
177	Storm Sewer Plan and Profile (Revised pipe type notes)
178	Storm Sewer Plan and Profile (Revised pipe type notes)
179	Storm Sewer Plan and Profile (Revised pipe type notes)
180	Storm Sewer Plan and Profile (Revised pipe type notes)
181	Storm Sewer Plan and Profile (Revised pipe type notes)
182	Storm Sewer Plan and Profile (Revised pipe type notes)
184	Storm Sewer Plan and Profile (Revised pipe type notes)
185	Storm Sewer Plan and Profile (Revised pipe type notes)
186	Storm Sewer Plan and Profile (Revised pipe type notes)
187	Storm Sewer Plan and Profile (Revised pipe type notes)
188	Sanitary Sewer (Revised pipe class note)
189	Sanitary Sewer (Revised pipe class note)
742	Drainage Quantities (Revised pipe class notes)
743	Drainage Quantities (Revised pipe class notes)
744	Drainage Quantities (Revised pipe class notes)
745	Drainage Quantities (Revised pipe class notes)
746	Drainage Quantities (Revised pipe class notes)
747	Drainage Quantities (Revised pipe class notes)
748	Drainage Quantities (Revised pipe class notes)
749	Drainage Quantities (Revised pipe class notes)
750	Drainage Quantities (Revised pipe class notes)
751	Drainage Quantities (Revised pipe class notes)
752	Drainage Quantities (Revised pipe class notes)
753	Miscellaneous Quantities (Revised pipe items)
756	Miscellaneous Quantities (Revised SPV titles for pipe class)

Revised Plan Sheets – 2565-07-70	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
27	Storm Sewer (Revised pipe type notes)
28	Storm Sewer (Revised pipe type notes)
29	Storm Sewer (Revised pipe type notes)
65	Miscellaneous Quantities (Revised pipe class notes)
66	Miscellaneous Quantities (Revised pipe items)

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

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 02
2150-00-72, 2270-04-70, 2565-07-70
September 9, 2021

Special Provisions

9. Referenced Construction Specifications.

Replace entire article language with the following:

Construct the work enumerated below conforming to the "City of Mequon Standard Specifications for Land Development." 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.

Conform to the referenced construction specifications for the following:

- Sanitary Sewer Reinforced Concrete Collar 12-Inch
- Sanitary Sewer Reinforced Concrete Collar 21-Inch
- Sanitary Sewer Pipe Reinforced Concrete Class-III 12-Inch
- Sanitary Sewer Pipe Reinforced Concrete Class-IV 21-Inch
- Temporary Sanitary Sewer Bypass
- Adjusting City of Mequon Sanitary Manhole Covers
- Adjusting City of Mequon Water Boxes

Construct the work enumerated below conforming to the "Standard Specifications for Sewer and Water Construction in Wisconsin" 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.

Conform to the referenced construction specifications for the following:

- Reconstructing Village of Brown Deer Sanitary Manholes
- Adjusting Village of Brown Deer Sanitary Manhole Covers
- Adjusting Village of Brown Deer Water Boxes

stp-105-002 (20130615)

- 103. Sanitary Sewer Pipe Reinforced Concrete Class II 12-INCH, Item SPV.0090.10;
Sanitary Sewer Pipe Reinforced Concrete Class II 21-INCH, Item SPV.0090.11.**

Replace entire article with the following:

- 103. Sanitary Sewer Pipe Reinforced Concrete Class III 12-INCH, Item SPV.0090.10;
Sanitary Sewer Pipe Reinforced Concrete Class IV 21-INCH, Item SPV.0090.11.**

A Description

This special provision describes the furnishing and installation of new reinforced concrete sanitary sewer pipe.

B Materials

Furnish materials conforming to standards as specified in the latest edition of "City of Mequon Standard Specifications for Land Development."

C Construction

Install the sanitary sewer pipe according to all applicable provisions of the latest edition of "City of Mequon Standard Specifications for Land Development".

D Measurement

The department will measure Sanitary Sewer Pipe Reinforced Concrete Class-III 12-Inch and Sanitary Sewer Pipe Reinforced Concrete Class-IV 21-Inch 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.0090.10	Sanitary Sewer Pipe Reinforced Concrete Class III 12-Inch	LF
SPV.0090.11	Sanitary Sewer Pipe Reinforced Concrete Class IV 21-Inch	LF

Payment is full compensation for construction staking, water for dust control, providing and removing sheeting and shoring, excavation, constructing the foundation, furnishing, hauling and placement of all materials, and backfilling.

Schedule of Items

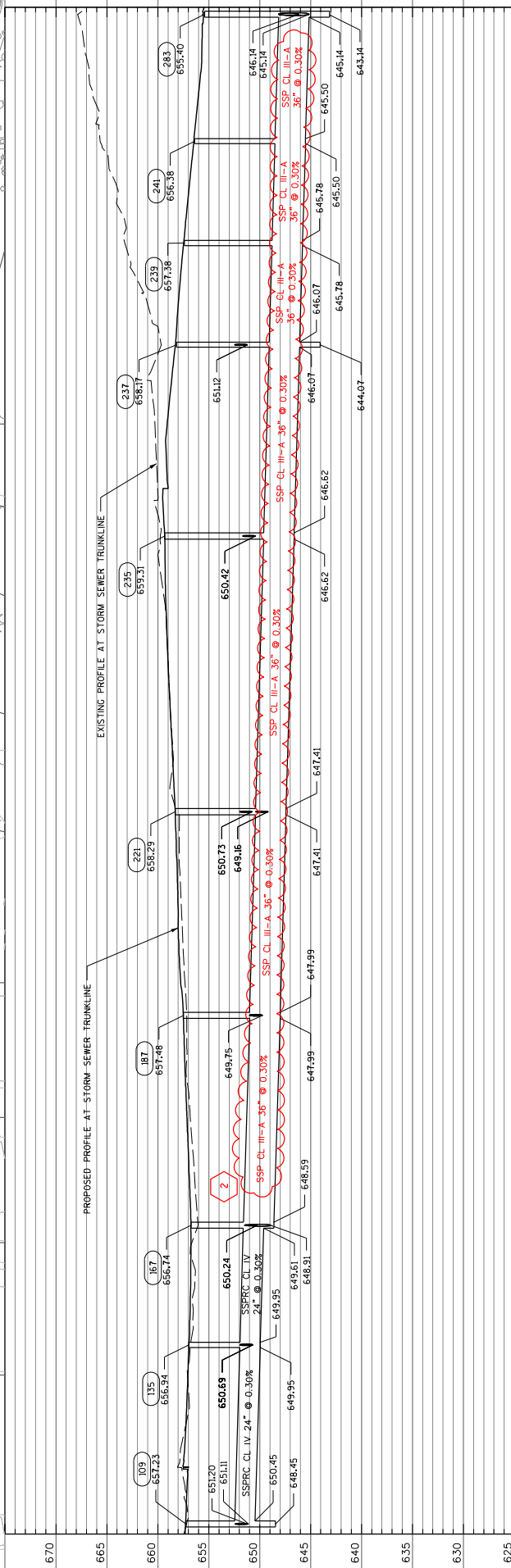
Attached, dated September 9, 2021, are the revised Schedule of Items Pages 1 – 33.

Plan Sheets

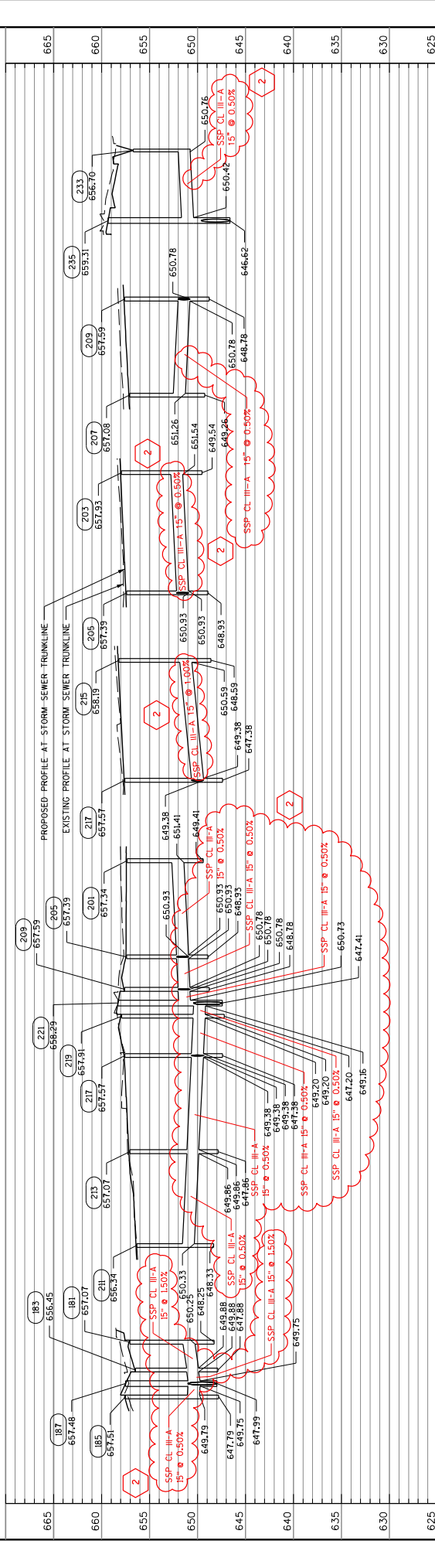
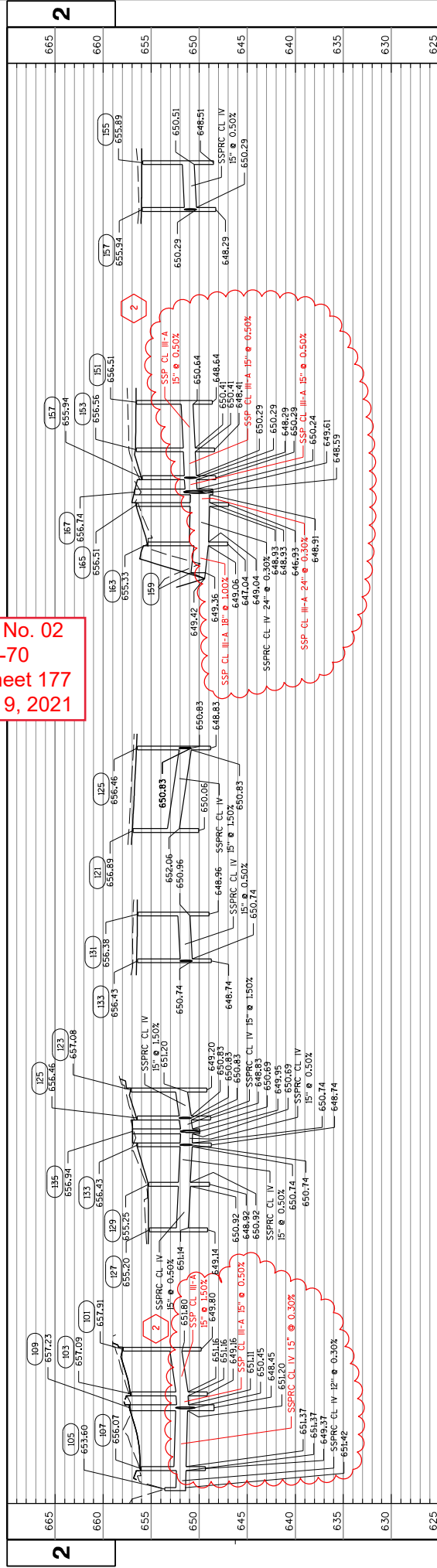
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

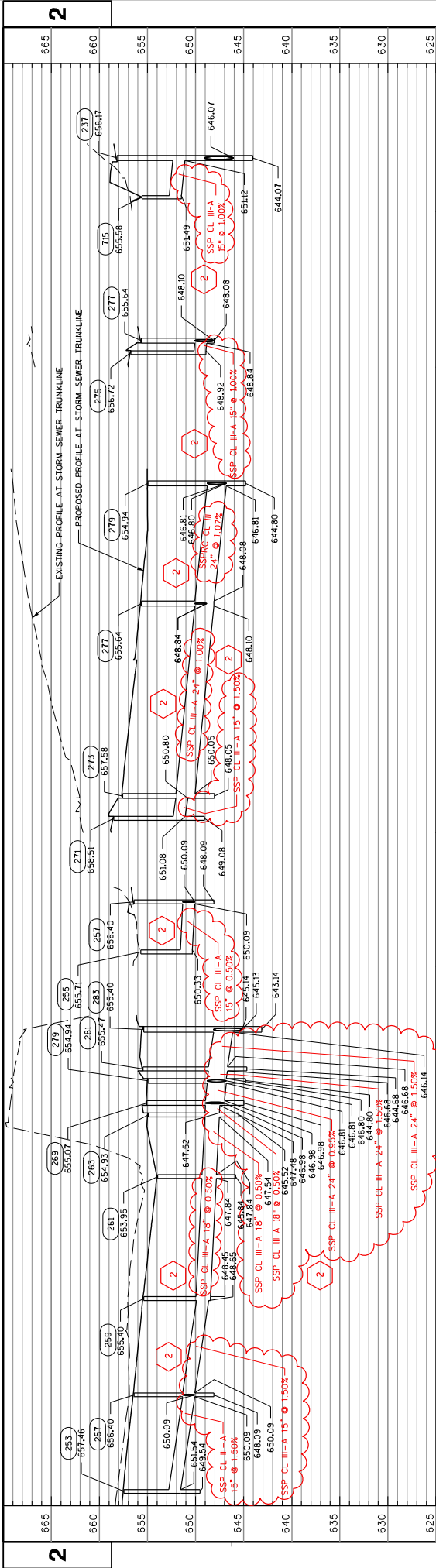
Revised: 176-182, 184-189, 742-753 and 756 (2270-04-70) and 27, 28, 29, 65 and 66 (2565-07-70).

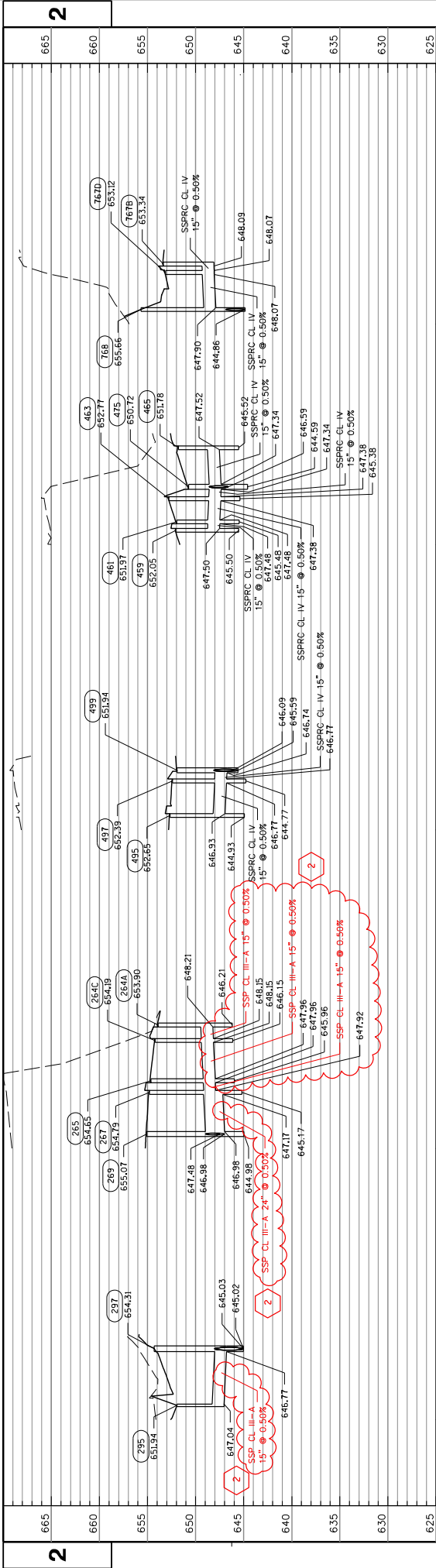
END OF ADDENDUM



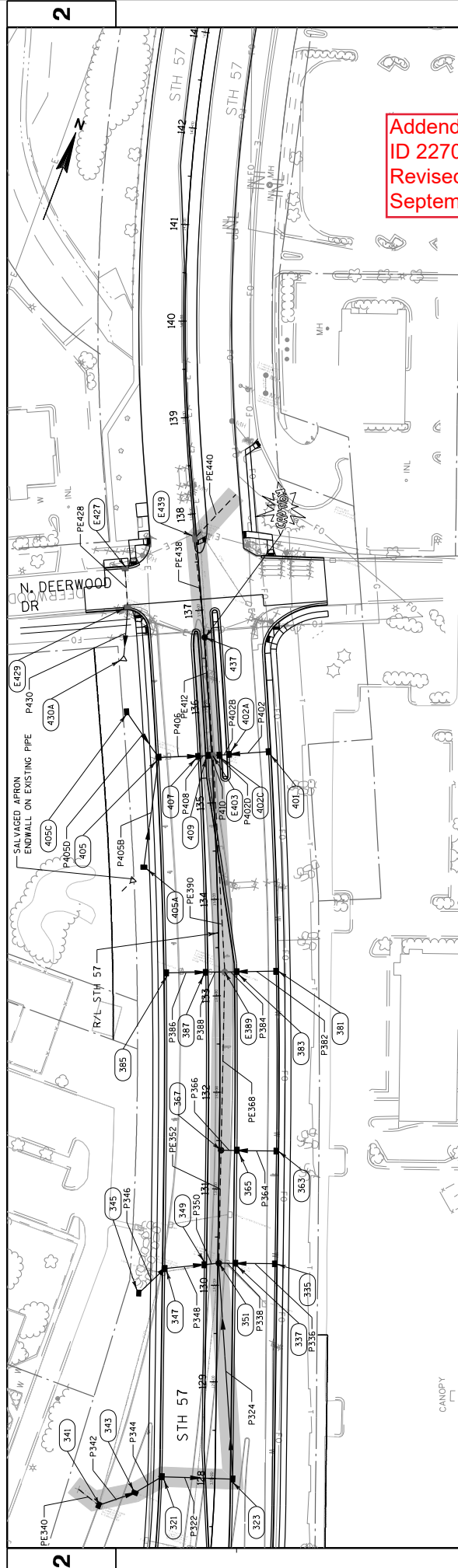
Addendum No. 02
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September 9, 2021



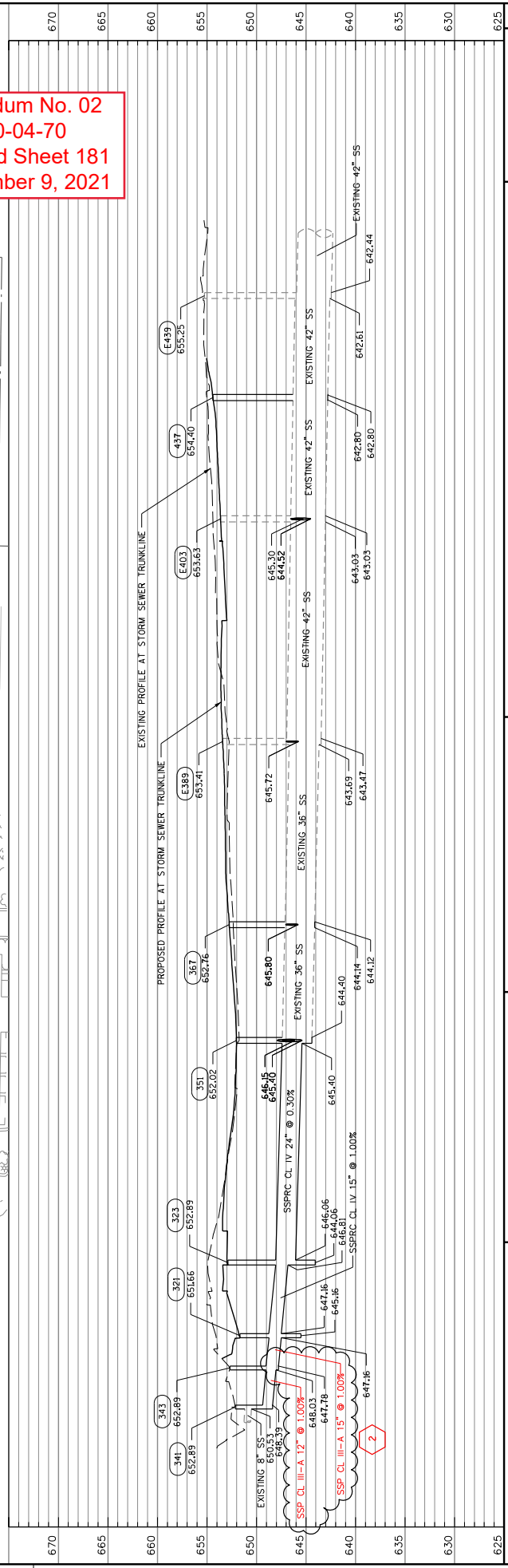




Addendum No. 02
ID 2270-04-70
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September 9, 2021



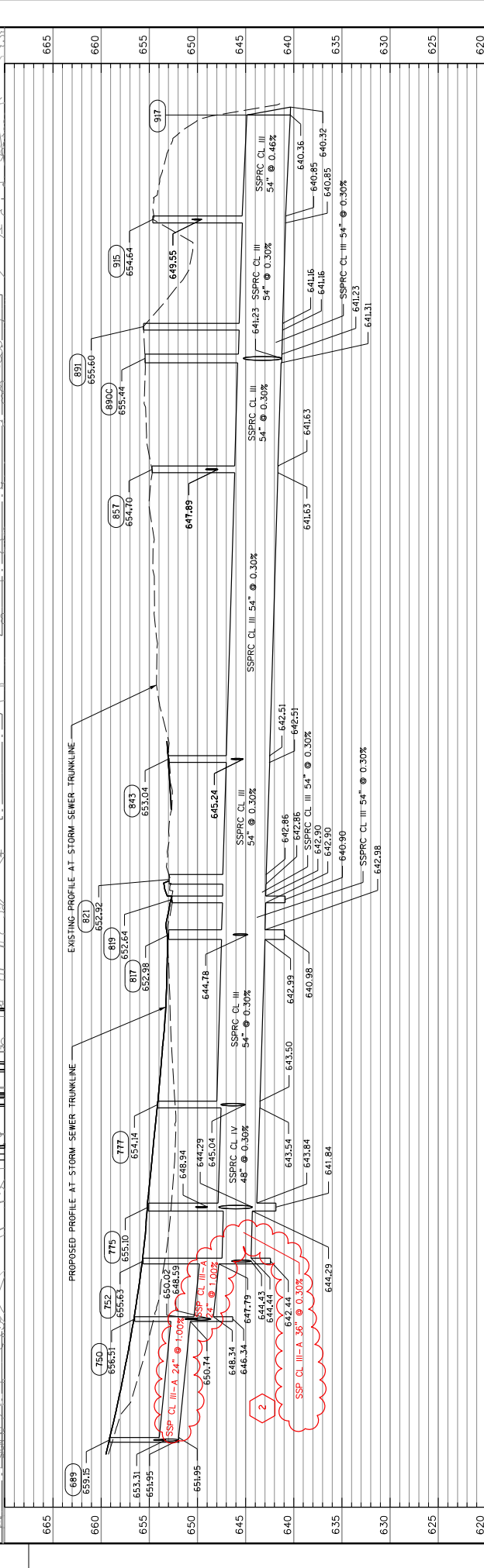
Addendum No. 02
ID 2270-04-70
Revised Sheet 181
September 9, 2021



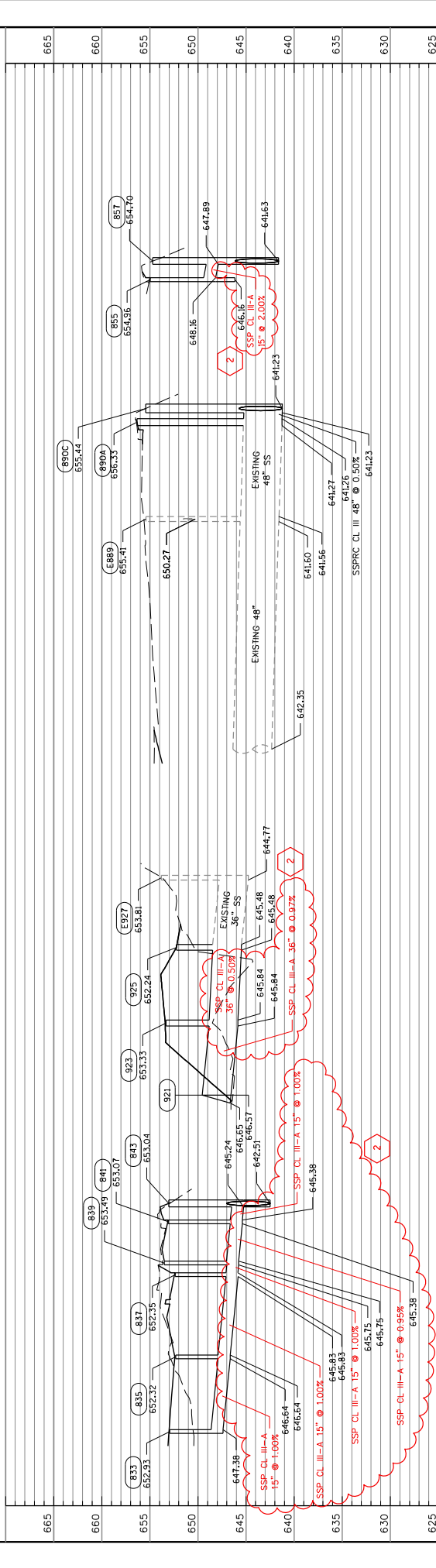
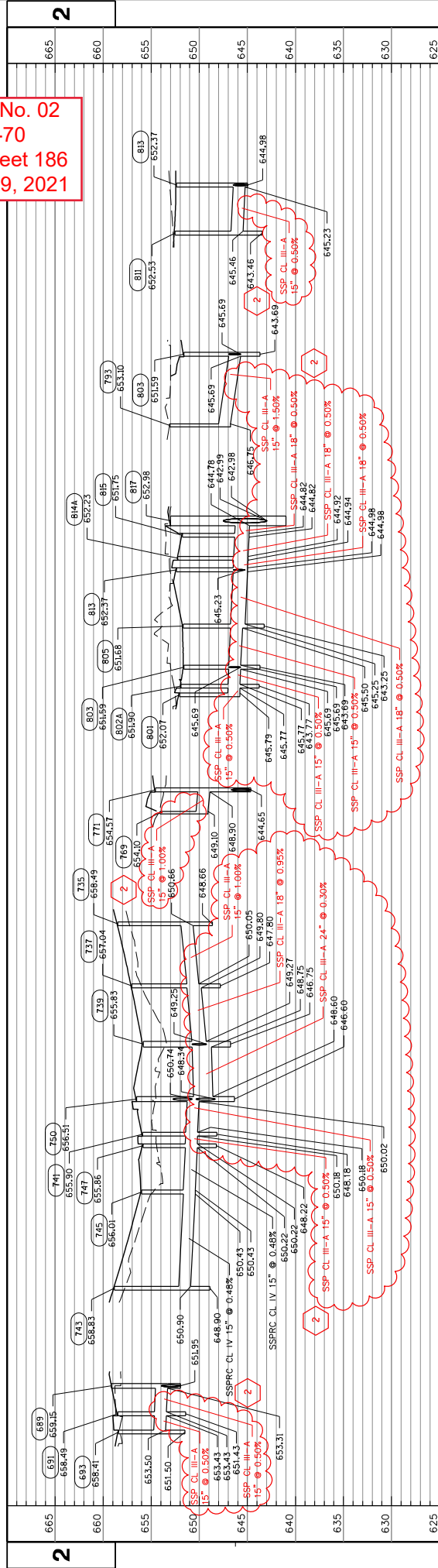
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No. 02
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Addendum No. 02
ID 2270-04-70
Revised Sheet 186
September 9, 2021



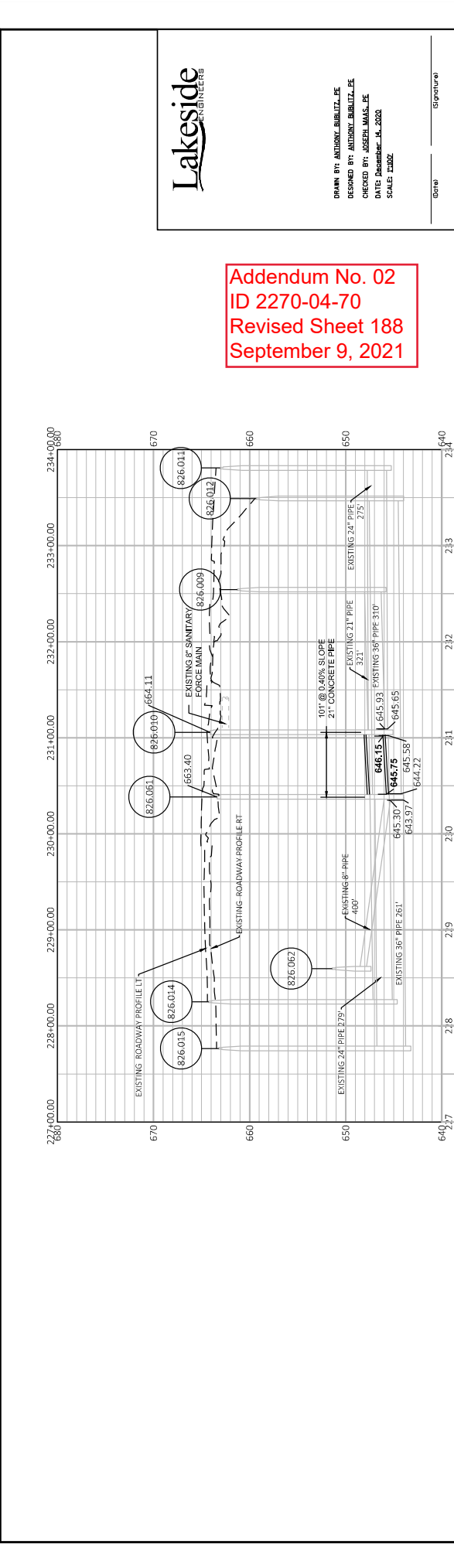
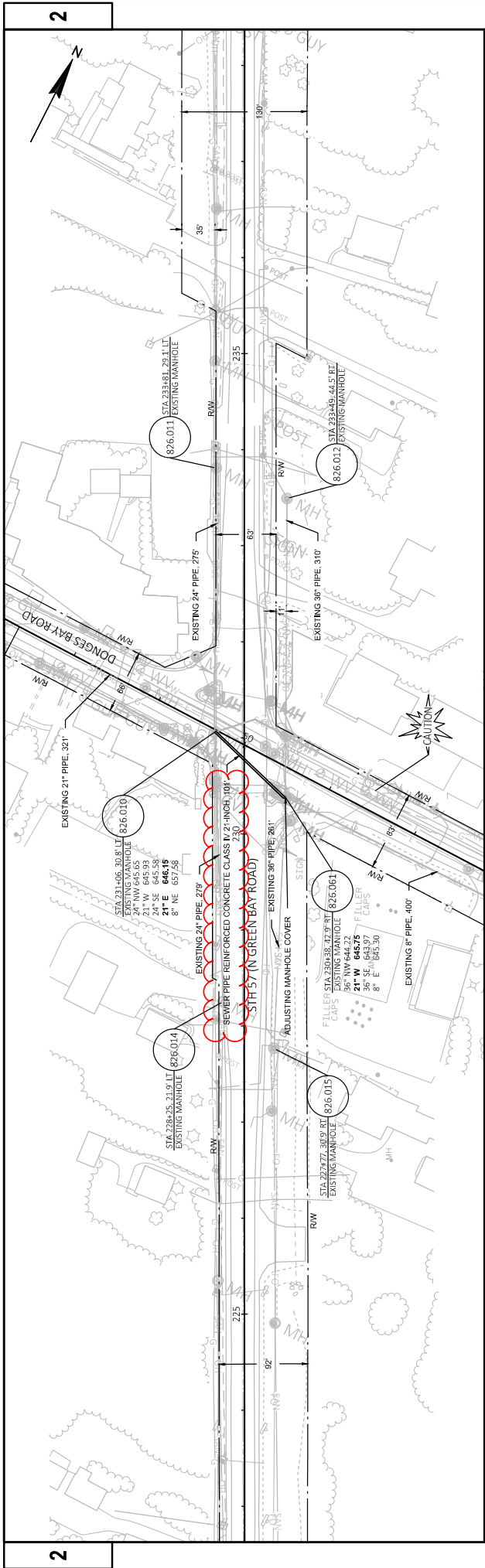
PROJECT NO: 2270-04-70	HWY: STH 57	COUNTY: MILWAUKEE/OZAUKEE	STORM SEWER PLAN AND PROFILE

FILE NAME : S:\DOT\DOT_SE\170329-ID2270-04-00-STM57\Design\DCGN\Plansheets\022516b_SS.dgn

PLOT DATE : 9/8/2021

SHEET	186	E

WISDOT/CADDS SHEET 41

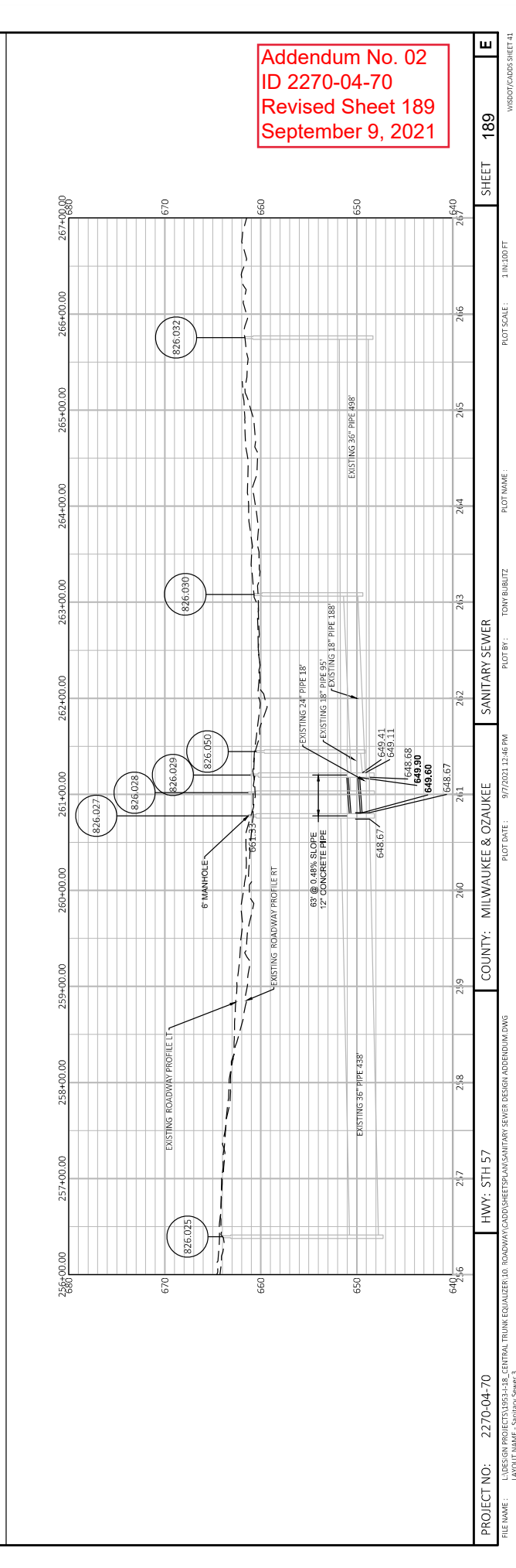
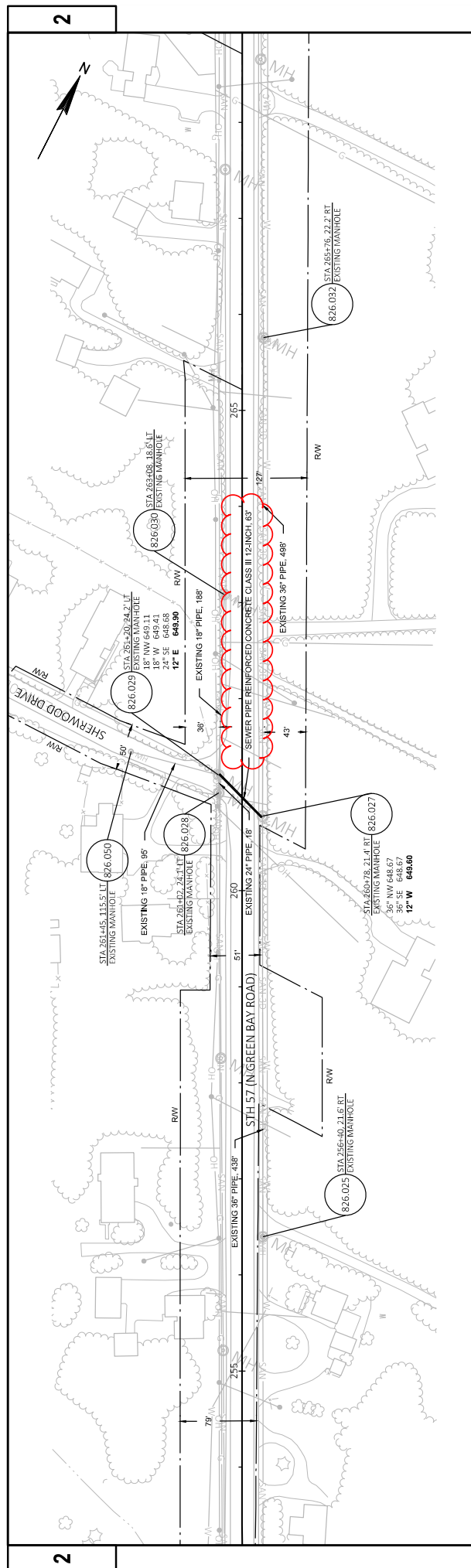


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Revised Sheet 188
September 9, 2021

Lakeside
ENGINEERS

DRAWN BY: ANTHONY BUBITZ, PE
DESIGNED BY: ANTHONY BUBITZ, PE
CHECKED BY: JOSEPH MANS, PE
DATE: December 14, 2020
SCALE: 200%

DATE: 12/14/2020



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STORM SEWER STRUCTURES										STORM SEWER PIPES												
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RM/OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH (FT)	STRUCTURE COMMENTS	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	SLOPE ^A %	PIPE LENGTH ^B (FT)	PLAN LENGTH ^C (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS	
STH-57	101	3	104+74.99	48.0	RT	657.91	CATCH BASINS 4-FT DIAMETER	H	8.11	—	P102	3	101	103	651.80	651.16	1.50	42	46	1-A	15	—
STH-57	103	3	104+74.46	2.4	LT	657.09	CATCH BASINS 4-FT DIAMETER	H	7.93	—	P104	3	103	109	651.16	651.11	0.50	10	15	1-A	15	—
STH-57	105	3	104+87.70	91.3	LT	653.60	INLETS MEDIAN 1 GRATE	MS	2.18	—	P106	3	105	107	651.42	651.37	0.30	18	21	IV	12	—
STH-57	107	3	104+98.19	74.1	LT	656.07	CATCH BASINS 4-FT DIAMETER	H-S	6.70	—	P108	3	107	109	651.37	651.20	0.30	58	63	IV	15	—
STH-57	109	3	104+74.95	12.0	LT	657.23	CATCH BASINS 6-FT DIAMETER	H	8.78	—	P110	3	109	135	650.45	649.95	0.30	170	176	IV	24	—
STH-57	121	3	105+65.71	12.0	RT	656.89	CATCH BASINS 4-FT DIAMETER	H	6.83	—	P122	3	121	125	652.06	650.83	1.50	82	86	IV	15	—
STH-57	123	3	106+50.74	45.0	RT	657.08	CATCH BASINS 4-FT DIAMETER	H	7.88	—	P124	3	123	125	651.20	650.83	1.50	25	29	IV	15	—
STH-57	125	3	106+50.83	12.0	RT	656.46	CATCH BASINS 4-FT DIAMETER	H	7.83	—	P126	3	125	135	650.83	650.69	1.50	10	14	IV	15	—
STH-57	127	3	107+00.06	57.0	LT	655.20	CATCH BASINS 4-FT DIAMETER	H	6.06	—	P128	3	127	129	651.14	650.92	0.50	44	48	IV	15	—
STH-57	129	3	106+51.12	57.0	LT	655.25	CATCH BASINS 4-FT DIAMETER	H	6.33	—	P130	3	129	133	650.92	650.74	0.50	37	41	IV	15	—
STH-57	131	3	107+00.01	12.0	LT	656.38	CATCH BASINS 4-FT DIAMETER	H	7.42	—	P132	3	131	133	650.96	650.74	0.50	45	49	IV	15	—
STH-57	133	3	106+50.94	12.0	LT	656.43	CATCH BASINS 4-FT DIAMETER	H	7.89	—	P134	3	133	135	650.74	650.69	0.50	10	14	IV	15	—
STH-57	135	3	106+51.06	0.0	RT	656.94	MANHOLES 5-FT DIAMETER	J-SPECIAL	6.99	—	P136	3	135	167	649.95	649.61	0.30	112	118	IV	24	—
STH-57	151	3	108+17.08	45.0	RT	656.51	CATCH BASINS 4-FT DIAMETER	H-S	7.87	—	P152	3	151	153	650.64	650.41	0.50	45	49	1-A	15	—
STH-57	153	3	107+68.70	45.0	RT	656.56	CATCH BASINS 4-FT DIAMETER	H	8.15	—	P154	3	153	157	650.41	650.29	0.50	25	29	1-A	15	—
STH-57	155	3	108+17.08	12.0	RT	655.89	CATCH BASINS 4-FT DIAMETER	H-S	7.38	—	P156	3	155	157	650.51	650.29	0.50	45	49	IV	15	—
STH-57	157	3	107+68.68	12.0	RT	655.94	CATCH BASINS 4-FT DIAMETER	H	7.65	—	P158	3	157	167	650.29	650.24	0.50	10	15	1-A	15	—
—	—	—	—	—	—	—	—	—	—	—	P162	3	161	163	649.36	649.06	1.00	28	30	1-A	18	FROM ENDWALL
STH-57	163	3	107+68.64	57.0	LT	655.33	CATCH BASINS 4-FT DIAMETER	H	8.29	—	P164	3	163	165	649.04	648.93	0.30	37	41	IV	24	—
STH-57	165	3	107+68.64	12.0	LT	656.51	CATCH BASINS 4-FT DIAMETER	H	9.58	—	P166	3	165	167	648.93	648.91	0.30	8	13	1-A	24	—

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¹ DEPTH = RM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION ² SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE
MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE ³ PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY.
⁴ MATCH FLOW LINE OF REPLACED CONCRETE CURB AND GUTTER MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE NOT INTENDED FOR PAY QUANTITY. ⁵ PLAN LENGTH SHOWN FOR PAY QUANTITY.

PROJECT NO: 2270-04-70	HWY: STH 57	COUNTY: MILWAUKEE	DRAINAGE QUANTITIES	SHEET: 742	E

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PLOT DATE: 9/8/2021 12:42:38 PM

PLOT BY: JONATHAN OLSON

PLOT NAME: 022569_03_01

PLOT SCALE: 1:1

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ID 2270-04-70
Revised Sheet 743
September 9, 2021

STORM SEWER STRUCTURES										STORM SEWER PIPES												
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE TYPE	DEPTH (FT)	STRUCTURE COMMENTS	PIPE D	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	SLOPE ^A %	PIPE LENGTH ^B (FT)	PLAN LENGTH ^C (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH-57	167	3	107+48.66	0.8	LT	656.74	MANHOLES 6-FT DIAMETER	J-SPECIAL	8.15	—	P168	3	167	187	648.59	647.99	0.30	200	206	1-A	36	—
STH-57	181	3	109+75.00	45.0	RT	657.07	CATCH BASINS 4-FT DIAMETER	H	8.82	—	P182	3	181	183	650.25	649.88	1.50	25	29	1-A	15	—
STH-57	183	3	109+75.01	12.0	RT	656.45	CATCH BASINS 4-FT DIAMETER	H	8.57	—	P184	3	183	187	649.88	649.75	1.50	9	14	1-A	15	—
STH-57	185	3	109+75.02	12.0	LT	657.51	CATCH BASINS 4-FT DIAMETER	H	9.72	—	P186	3	185	187	649.79	649.75	0.50	9	14	1-A	15	—
STH-57	187	3	109+74.99	0.1	LT	657.48	MANHOLES 6-FT DIAMETER	J-SPECIAL	9.49	—	P188	3	187	221	647.99	647.41	0.30	194	200	1-A	36	—
STH-57	201	3	110+75.00	45.9	RT	657.34	CATCH BASINS 4-FT DIAMETER	H-S	7.93	—	P202	3	201	205	651.41	650.93	0.50	96	100	1-A	15	—
STH-57	203	3	113+00.05	54.8	RT	657.93	CATCH BASINS 4-FT DIAMETER	H	8.39	—	P204	3	203	205	651.54	650.93	0.50	121	125	1-A	15	—
STH-57	205	3	111+75.00	49.8	RT	657.39	CATCH BASINS 4-FT DIAMETER	H	8.46	—	P206	3	205	209	650.93	650.78	0.50	30	34	1-A	15	—
STH-57	207	3	110+75.00	12.0	RT	657.08	CATCH BASINS 4-FT DIAMETER	H	7.82	—	P208	3	207	209	651.26	650.78	0.50	96	100	1-A	15	—
STH-57	209	3	111+74.98	12.0	RT	657.59	CATCH BASINS 4-FT DIAMETER	H	8.81	—	P210	3	209	221	650.78	650.73	0.50	9	14	1-A	15	—
STH-57	211	3	109+75.00	57.0	LT	656.34	CATCH BASINS 4-FT DIAMETER	H	8.01	—	P212	3	211	213	650.33	649.86	0.50	94	98	1-A	15	—
STH-57	213	3	110+74.98	57.0	LT	657.07	CATCH BASINS 4-FT DIAMETER	H	9.21	—	P214	3	213	217	649.86	649.38	0.50	96	100	1-A	15	—
STH-57	215	3	113+00.00	57.0	LT	658.19	CATCH BASINS 4-FT DIAMETER	H	9.80	—	P216	3	215	217	650.59	649.38	1.00	121	125	1-A	15	—
STH-57	217	3	111+75.00	57.0	LT	657.57	CATCH BASINS 4-FT DIAMETER	H	10.19	—	P218	3	217	219	649.38	649.20	0.50	37	41	1-A	15	—
STH-57	219	3	111+75.01	12.0	LT	657.91	CATCH BASINS 4-FT DIAMETER	H	10.71	—	P220	3	219	221	649.20	649.16	0.50	9	14	1-A	15	—
STH-57	221	3	111+75.02	0.3	LT	658.29	MANHOLES 6-FT DIAMETER	J-SPECIAL	10.88	—	P222	3	221	235	647.41	646.62	0.30	265	271	1-A	36	—
STH-57	233	3	114+33.57	74.0	RT	656.70	INLETS MEDIAN 1 GRATE	MS	5.94	—	P234	3	233	235	650.76	650.42	0.50	69	73	1-A	15	—
STH-57	235	3	114+45.84	2.1	RT	659.31	MANHOLES 6-FT DIAMETER	J-SPECIAL	12.69	—	P236	3	235	237	646.62	646.07	0.30	182	188	1-A	36	—
STH-57	237	3	116+25.00	57.0	LT	658.17	CATCH BASINS 5-FT DIAMETER	H	14.10	—	P238	3	237	239	646.07	645.78	0.30	95	100	1-A	36	—
STH-57	239	3	117+25.00	57.0	LT	657.38	MANHOLES 5-FT DIAMETER	H	11.60	—	P240	3	239	241	645.78	645.50	0.30	95	100	1-A	36	—

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¹ DEPTH = RM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION ² SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE
³ MATCH FLOW LINE OF REPLACED CONCRETE CURB AND GUTTER ⁴ PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. ⁵ PLAN LENGTH SHOWN FOR PAY QUANTITY.

NOT INTENDED FOR PAY QUANTITY.

PROJECT NO: 2270-04-70	HWY: STH 57	COUNTY: MILWAUKEE	DRAINAGE QUANTITIES	SHEET: 743	E

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PLOT DATE: 9/8/2021 12:42:38 PM

PLOT BY: JONATHAN OLSON

PLOT NAME: 022569_03_07.DWG

PLOT SCALE: 1:1

STORM SEWER STRUCTURES										STORM SEWER PIPES											
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE TYPE	DEPTH (FT)	STRUCTURE COMMENTS	PIPE D	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	SLOPE ^A %	PIPE LENGTH ^B (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH 57	241	3	118+24.98	57.0	LT	656.38	MANHOLES 5-FT DIAMETER	H	10.88	—	P242	3	241	283	645.50	645.14	0.30	119	1-A	36	—
STH 57	253	3	116+24.99	71.5	RT	657.46	CATCH BASINS 4-FT DIAMETER	H	7.92	—	P254	3	253	257	651.54	650.09	1.50	96	1-A	15	—
STH 57	255	3	116+98.73	126.5	RT	655.71	INLETS 4-FT DIAMETER	B	5.38	—	P256	3	255	257	650.33	650.09	0.50	48	1-A	15	—
STH 57	257	3	117+24.92	83.5	RT	656.40	CATCH BASINS 4-FT DIAMETER	H	8.31	—	P258	3	257	259	650.09	648.65	1.50	96	1-A	15	—
STH 57	259	3	118+25.00	87.4	RT	655.40	INLETS 4-FT DIAMETER	H	6.95	—	P260	3	259	261	648.45	647.84	0.50	123	1-A	18	—
STH 57	261	3	119+49.63	100.0	RT	653.95	CATCH BASINS 4-FT DIAMETER	H	8.11	—	P262	3	261	263	647.84	647.54	0.50	60	1-A	18	—
STH 57	263	3	119+50.01	32.0	RT	654.93	CATCH BASINS 4-FT DIAMETER	H	9.41	—	P264	3	263	269	647.52	647.48	0.50	8	1-A	18	—
STH 57	264A	3	119+95.98	89.7	RT	653.90	CATCH BASINS 4-FT DIAMETER	H	7.69	—	P264B	3	264A	264C	648.21	648.15	0.50	12	1-A	15	—
STH 57	264C	3	119+97.39	77.6	RT	654.19	CATCH BASINS 4-FT DIAMETER	H	8.04	—	P264D	3	264C	265	648.15	647.96	0.50	38	1-A	15	—
STH 57	265	3	119+93.15	32.0	RT	654.65	CATCH BASINS 4-FT DIAMETER	H	8.69	—	P266	3	265	267	647.96	647.92	0.50	8	1-A	15	—
STH 57	267	3	119+93.14	24.0	RT	654.79	CATCH BASINS 4-FT DIAMETER	H	9.62	—	P268	3	267	269	647.17	646.98	0.50	39	1-A	24	—
STH 57	269	3	119+50.01	24.0	RT	655.07	CATCH BASINS 5-FT DIAMETER	H	10.09	—	P270	3	269	279	646.98	646.81	0.95	18	1-A	24	—
STH 57	271	3	116+25.03	12.0	LT	658.51	CATCH BASINS 4-FT DIAMETER	H	9.43	—	P272	3	271	273	651.08	650.80	1.50	19	1-A	15	—
STH 57	273	3	116+24.93	6.8	RT	657.58	CATCH BASINS 5-FT DIAMETER	H	9.53	—	P274	3	273	277	650.05	648.10	1.00	195	1-A	24	—
STH 57	275	3	118+24.98	12.0	LT	656.72	INLETS 4-FT DIAMETER	H	7.80	—	P276	3	275	277	648.92	648.84	1.00	8	1-A	15	—
STH 57	277	3	118+24.95	4.0	LT	655.64	MANHOLES 5-FT DIAMETER	H	7.56	—	P278	3	277	279	648.08	646.81	1.07	120	1-A	24	—
STH 57	279	3	119+50.00	4.0	LT	654.94	CATCH BASINS 5-FT DIAMETER	H-S	10.14	—	P280	3	279	281	646.80	646.68	1.50	8	1-A	24	—
STH 57	281	3	119+50.02	12.0	LT	655.47	CATCH BASINS 4-FT DIAMETER	H	10.79	—	P282	3	281	283	646.68	646.14	1.50	36	1-A	24	—
STH 57	283	3	119+49.99	57.9	LT	655.40	CATCH BASINS 6-FT DIAMETER	H	12.26	—	P284	3	283	297	645.14	645.03	0.30	38	1-A	36	—
STH 100	295	3	486+69.50	112.5	RT	651.94	INLETS MEDIAN 1 GRATE	MS	4.90	—	P296	3	295	297	647.04	646.77	0.50	55	1-A	15	—

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Addendum No. 02
ID 2270-04-70
Revised Sheet 744
September 9, 2021

¹ DEPTH = RM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION ² SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE
MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE ³ PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY.
⁴ MATCH FLOW LINE OF REPLACED CONCRETE CURB AND GUTTER MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE NOT INTENDED FOR PAY QUANTITY. ⁵ PLAN LENGTH SHOWN FOR PAY QUANTITY.

PROJECT NO: 2270-04-70	HWY: STH 57	COUNTY: MILWAUKEE	DRAINAGE QUANTITIES	SHEET: 744	E

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PLOT BY: JONATHAN OLSON

PLOT NAME: 022569_03_07.DWG

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Addendum No. 02
ID 2270-04-70
Revised Sheet 745
September 9, 2021

STORM SEWER STRUCTURES										STORM SEWER PIPES												
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RM/OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH (FT)	STRUCTURE COMMENTS	PIPE D	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	% SLOPE ^A	PIPE LENGTH ^B (FT)	PLAN LENGTH ^C (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH-100	297	3	497+28.32	112.0	RT	654.31	MANHOLES 6-FT DIAMETER	C	9.29	—	P298	4A	297	299	645.02	644.97	0.30	18	24	I-A	36	—
	299	3	497+24.88	91.0	RT	654.93	CATCH BASINS 6-FT DIAMETER	H-S	12.46	—	P299A	3	299	300	644.47	644.45	0.30	7	13	I-V	42	—
	300	3	497+28.75	72.4	RT	655.22	CATCH BASINS 6-FT DIAMETER	H-S	12.79	—	P300A	3	300	301	644.43	644.38	0.30	17	23	I-V	42	—
	301	3	497+42.01	59.5	RT	655.49	MANHOLES 6-FT DIAMETER	H	11.11	—	P302	3	301	775	644.38	644.29	0.30	31	38	I-V	42	—
	321	5	128+00.06	57.0	LT	651.66	CATCH BASINS 4-FT DIAMETER	H-S	6.16	—	P322	3	321	323	647.50	646.81	1.00	69	74	I-V	15	—
STH-57	323	3	127+99.94	16.3	RT	652.89	CATCH BASINS 5-FT DIAMETER	H	8.83	—	P324	3	323	351	646.06	645.40	0.30	219	224	I-V	24	—
	335	3	130+23.12	61.0	RT	651.94	INLETS 4-FT DIAMETER	H	5.55	—	P336	3	335	337	646.39	646.21	0.50	37	41	I-A	15	—
	337	3	130+23.11	16.0	RT	652.28	CATCH BASINS 4-FT DIAMETER	H	8.07	—	P338	3	337	351	646.21	646.15	0.50	12	17	I-A	15	—
	—	—	—	—	—	—	—	—	—	—	PE340	—	—	341	—	650.52	—	—	—	8	EXIST PIPE INTERPOL ELEV	
	341	5	127+65.93	119.0	LT	652.13	INLETS MEDIAN 1 GRATE	MS	3.74	—	P342	5	341	343	646.39	646.03	1.00	36	40	I-A	12	—
STH-57	343	5	127+81.62	82.3	LT	652.67	INLETS 4-FT DIAMETER	B	4.89	—	P344	5	343	321	647.78	647.50	1.00	28	32	I-A	15	—
	345	5	129+90.98	81.6	LT	649.20	INLETS MEDIAN 2 GRATE	MS	3.42	—	P346	5	345	347	645.78	645.62	0.50	33	37	I-A	24	—
	347	5	130+16.60	57.0	LT	651.03	CATCH BASINS 4-FT DIAMETER	H-S	7.41	—	P348	4	347	349	645.62	645.43	0.50	36	41	I-V	30	—
	349	5	130+21.45	12.0	LT	651.37	CATCH BASINS 5-FT DIAMETER	H-S	7.94	—	P350	3	349	351	645.43	645.40	0.30	10	16	I-V	30	—
	351	3	130+23.12	0.9	RT	652.02	MANHOLES 6-FT DIAMETER	J-SPECIAL	7.62	—	PE352	—	351	367	644.40	644.14	—	—	—	—	36	EXIST PIPE INTERPOL ELEV
STH-57	363	3	131+40.00	61.0	RT	651.59	INLETS 4-FT DIAMETER	H-S	5.06	—	P364	3	363	365	646.53	645.97	1.50	37	41	I-V	15	—
	365	3	131+40.00	16.0	RT	651.93	CATCH BASINS 4-FT DIAMETER	H-S	7.96	—	P366	3	365	367	645.97	645.80	1.50	11	16	I-A	15	—
	367	3	131+39.99	1.8	RT	652.76	MANHOLES 6-FT DIAMETER	J-SPECIAL	8.64	—	PE368	—	367	E389	644.12	—	—	—	—	—	36	EXIST PIPE INTERPOL ELEV
	381	3	133+24.62	61.0	RT	652.32	INLETS 4-FT DIAMETER	H	6.38	—	P382	3	381	383	645.84	645.76	0.50	37	41	I-A	15	—
	383	3	133+24.62	16.0	RT	652.66	CATCH BASINS 4-FT DIAMETER	H	8.90	—	P384	5	383	E389	645.76	645.72	0.50	7	12	I-A	15	—

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³ MATCH FLOW LINE OF REPLACED CONCRETE CURB AND GUTTER ⁴ MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE
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PROJECT NO: 2270-04-70	HWY: STH 57	COUNTY: MILWAUKEE	DRAINAGE QUANTITIES	SHEET: 745	E

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Addendum No. 02
ID 2270-04-70
Revised Sheet 746
September 9, 2021

STORM SEWER STRUCTURES										STORM SEWER PIPES												
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH (FT)	STRUCTURE COMMENTS	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	SLOPE ^A %	PIPE LENGTH ^B (FT)	PLAN LENGTH ^C (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS	
STH-57	385	5	133+24.61	57.0	LT	652.32	CATCH BASINS 4-FT DIAMETER	H	8.35	—	P386	4	385	387	645.97	645.79	0.50	37	41	15	2	—
STH-57	387	5	133+24.60	12.0	LT	652.66	CATCH BASINS 4-FT DIAMETER	H	8.87	—	P388	3	387	E389	645.79	645.72	0.50	15	20	15	15	—
STH-57	E389	—	133+24.63	5.7	RT	652.91	—	J-SPECIAL	—	ADJUST TO FINISHED GRADE & INSTALL COVER	PE390	—	E389	E403	—	—	—	—	—	42	—	
STH-57	401	3	135+50.00	61.0	RT	653.45	INLETS 4-FT DIAMETER	H	7.91	—	P402	3	401	402A	645.54	645.35	0.50	39	42	15	15	—
STH-57	402A	3	135+49.09	16.0	RT	653.78	CATCH BASINS 24-FT DIAMETER	H	10.43	—	P402B	3	402A	402C	645.35	645.32	0.50	6	8	15	15	—
STH-57	402C	3	135+49.09	10.0	RT	653.68	CATCH BASINS 24-FT DIAMETER	H	10.36	—	P402D	3	402C	E403	645.32	645.30	0.50	4	8	15	15	EXIST PIPE INTERPOL ELEV
STH-57	E403	—	135+49.09	1.4	RT	653.63	—	J-SPECIAL	—	ADJUST TO FINISHED GRADE & INSTALL COVER	PE412	—	E403	437	—	642.80	—	—	—	42	—	
STH-57	405A	5	134+35.83	75.2	LT	652.18	INLETS MEDIAN 1 GRATE	MS	6.37	—	P405B	5	405A	405	645.81	645.25	0.50	111	115	18	18	—
STH-57	405C	5	135+99.61	85.4	LT	649.72	INLETS MEDIAN 1 GRATE	MS	4.20	—	P405D	5	405C	405	645.52	645.25	0.50	54	58	18	18	—
STH-57	405	5	135+50.00	57.0	LT	653.24	CATCH BASINS 4-FT DIAMETER	H	10.49	—	P406	5	405	407	644.75	644.56	0.50	39	42	15	24	—
STH-57	407	5	135+49.09	12.0	LT	653.78	CATCH BASINS 24-FT DIAMETER	H	11.22	—	P408	4	407	409	644.56	644.53	0.50	6	8	15	24	—
STH-57	409	3	135+49.09	6.0	LT	653.44	CATCH BASINS 24-FT DIAMETER	H	10.91	—	P410	3	409	E403	644.53	644.52	0.50	2	6	15	24	—
STH-57	E427	—	137+51.25	76.2	LT	NOTE 2	—	H	—	ADJUST TO FINISHED GRADE & INSTALL COVER	PE428	—	E427	E429	—	—	—	—	—	12	—	
STH-57	E429	—	137+07.16	76.5	LT	NOTE 2	—	H	—	ADJUST TO FINISHED GRADE & INSTALL COVER	P430	5	E429	430A	649.39	649.21	0.40	45	47	15	15	TO ENDWALL EXIST PIPE INTERPOL ELEV
STH-57	437	3	136+71.58	0.6	RT	654.40	MANHOLES 6-FT DIAMETER	J-SPECIAL	11.60	—	PE438	—	437	E439	642.80	—	—	—	—	42	—	
STH-57	E439	—	137+74.35	0.7	RT	655.25	—	—	—	—	PE440	—	E439	—	—	—	—	—	—	42	—	
STH-57	453	3	126+25.13	9.9	RT	653.50	CATCH BASINS 4-FT DIAMETER	H	7.51	—	P454	3	453	455	647.99	647.93	0.50	12	17	15	15	—
STH-57	455	3	126+24.95	22.3	RT	651.78	CATCH BASINS 5-FT DIAMETER	H	6.60	—	P456	3	455	457	647.18	646.96	0.30	72	76	15	24	—
STH-57	457	3	125+50.00	24.8	RT	651.22	CATCH BASINS 4-FT DIAMETER	H	6.26	—	P458	3	457	475	646.96	646.59	0.30	123	127	15	24	—
STH-57	459	5	124+25.00	12.0	LT	652.06	CATCH BASINS 4-FT DIAMETER	H-S	6.55	—	P460	5	459	461	647.50	647.48	0.50	5	9	15	15	—

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PROJECT NO: 2270-04-70

HWY: STH 57

COUNTY: MILWAUKEE

DRAINAGE QUANTITIES

SHEET: 746

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Addendum No. 02
ID 2270-04-70
Revised Sheet 747
September 9, 2021

ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RM OR FLOW LINE ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH ¹ (FT)	STRUCTURE COMMENTS	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	SLOPE ^A %	PIPE LENGTH ^B (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH 57	461	5	124+25.00	7.2	LT	651.97	CATCH BASINS 4-FT DIAMETER	H-S	6.49	—	5	461	463	647.48	647.38	0.50	20	24	15	—
STH 57	463	3	124+25.00	20.8	RT	652.77	CATCH BASINS 4-FT DIAMETER	H-S	7.39	—	3	463	475	647.38	647.34	0.50	8	13	15	—
STH 57	465	3	124+25.00	73.8	RT	651.78	CATCH BASINS 4-FT DIAMETER	H-S	6.26	—	3	465	475	647.52	647.34	0.50	36	41	15	—
STH 57	475	3	124+25.00	28.8	RT	650.72	CATCH BASINS 5-FT DIAMETER	H-S	6.13	—	3	475	477	646.59	646.38	0.29	72	77	24	—
STH 57	477	3	123+50.00	31.1	RT	650.88	CATCH BASINS 4-FT DIAMETER	H	6.50	—	3	477	499	646.38	646.09	0.30	96	100	24	—
STH 57	495	5	122+50.16	12.0	LT	652.65	CATCH BASINS 4-FT DIAMETER	H	7.72	—	5	495	497	646.93	646.77	0.50	32	36	15	—
STH 57	497	3	122+49.93	24.0	RT	652.39	CATCH BASINS 4-FT DIAMETER	H	7.62	—	3	497	499	646.77	646.74	0.50	7	11	15	—
STH 57	499	3	122+49.93	33.0	RT	651.94	MANHOLES 5-FT DIAMETER	JSPECIAL	6.35	—	3	499	501	645.59	645.29	0.30	100	105	30	—
STH 57	501	3	121+45.25	29.8	RT	653.29	MANHOLES 5-FT DIAMETER	JSPECIAL	8.01	—	4A	501	777	645.28	645.04	0.30	79	85	30	—
STH 100	531	5	487+32.58	59.9	LT	667.84	INLETS 4-FT DIAMETER	H-S	5.87	—	5	531	545	661.97	661.50	0.50	94	98	15	—
STH 100	532A	5	487+59.84	15.0	RT	668.05	CATCH BASINS 4-FT DIAMETER	H	7.70	—	5	532A	532C	662.35	662.32	0.50	6	10	15	—
STH 100	532C	5	487+59.86	9.0	RT	667.39	CATCH BASINS 4-FT DIAMETER	H-S	7.07	—	5	532C	532E	662.32	662.28	0.50	8	12	15	—
STH 100	532E	5	487+60.08	7.0	LT	667.14	CATCH BASINS 4-FT DIAMETER	H-S	6.86	—	5	532E	533	662.28	662.15	0.50	26	30	15	—
STH 100	533	5	487+32.74	15.0	LT	667.11	INLETS 4-FT DIAMETER	H	4.96	—	5	533	531	662.15	661.97	0.50	37	41	15	—
STH 100	545	5	486+34.40	60.0	LT	666.60	INLETS 4-FT DIAMETER	H	5.10	—	5	545	547	661.50	661.23	0.50	54	58	15	—
STH 100	547	5	485+93.80	15.0	LT	666.42	CATCH BASINS 4-FT DIAMETER	H	7.19	—	5	547	549	661.23	661.20	0.50	6	10	15	—
STH 100	549	5	485+93.80	9.0	LT	666.60	CATCH BASINS 4-FT DIAMETER	H	7.40	—	5	549	551	661.20	661.10	0.50	20	25	15	—
STH 100	551	3	485+93.80	15.0	RT	666.08	CATCH BASINS 5-FT DIAMETER	H	8.63	—	3	551	567	660.35	659.88	0.35	133	137	24	—
STH 100	563	5	484+54.51	15.0	LT	665.72	CATCH BASINS 4-FT DIAMETER	H	7.10	—	5	563	565	660.62	660.59	0.50	6	10	15	—
STH 100	565	5	484+54.51	9.0	LT	665.91	CATCH BASINS 4-FT DIAMETER	H	7.32	—	5	565	566A	660.59	660.55	0.50	8	12	15	—

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PROJECT NO: 2270-04-70	HWY: STH 57	COUNTY: MILWAUKEE	DRAINAGE QUANTITIES	SHEET: 747	E

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STORM SEWER STRUCTURES										STORM SEWER PIPES											
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH (FT)	STRUCTURE COMMENTS	PIPE D	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	SLOPE ^A	PIPE LENGTH ^B (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH-100	566A	5	484+56.36	7.0	RT	666.15	CATCH BASINS 4-FT DIAMETER	H	7.60	—	P566B	5	566A	567	660.55	660.51	0.50	8	12	15	—
STH-100	567	3	484+56.36	15.0	RT	666.29	CATCH BASINS 4-FT DIAMETER	H	8.41	—	P568	3	567	569	659.88	659.75	0.35	38	43	24	—
—	—	—	—	—	—	—	—	—	—	—	PE582	—	—	569	—	660.20	—	—	24	EXIST PIPE INTERPOL ELEV	
STH-100	569	3	484+40.28	60.0	RT	665.87	CATCH BASINS 6-FT DIAMETER	H-S	8.12	—	P570	3	PE612	PE614	659.75	659.72	0.35	8	14	36	—
STH-100	583	3	484+27.10	54.1	RT	666.01	MANHOLES 5-FT DIAMETER	J-SPECIAL	6.29	—	PE584	—	PE613	611	659.72	659.46	—	—	36	EXIST PIPE INTERPOL ELEV	
STH-100	601	1	483+47.95	60.0	LT	664.95	CATCH BASINS 4-FT DIAMETER	H	6.46	—	P602	1	601	603	660.49	660.30	0.50	37	41	15	—
STH-100	603	1	483+47.55	15.0	LT	665.47	CATCH BASINS 4-FT DIAMETER	H	7.17	—	P604	1	603	605	660.30	660.18	0.50	24	28	15	—
STH-100	605A	1	483+64.00	5.9	RT	665.66	CATCH BASINS 4-FT DIAMETER	H-S	7.42	—	P605B	1	605A	605	660.24	660.18	0.50	13	17	15	—
STH-100	605	1	483+47.54	8.7	RT	665.72	CATCH BASINS 4-FT DIAMETER	H	7.54	—	P606	1	605	611	660.18	659.99	0.50	39	43	15	—
STH-100	609	1	483+47.67	60.0	RT	666.02	CATCH BASINS 24-FT	H	7.90	—	P610	1	609	611	660.12	660.11	0.50	2	5	15	—
STH-100	611	1	483+47.69	53.9	RT	666.18	MANHOLES 5-FT DIAMETER	J-SPECIAL	6.86	—	PE612	—	611	613	659.32	659.23	—	—	36	EXIST PIPE INTERPOL ELEV	
—	—	—	—	—	—	—	—	—	—	—	P613	1	E612	E614	659.23	659.15	0.99	8	8	36	—
—	—	—	—	—	—	—	—	—	—	—	PE614	—	613	E615	659.15	—	—	—	36	EXIST PIPE INTERPOL ELEV	
STH-100	E615	—	482+63.07	54.1	RT	665.83	—	J-SPECIAL	—	ADJUST TO FINISHED GRADE & INSTALL COVER	PE616	—	E615	E621	—	—	—	—	36	—	
STH-100	E621	—	481+06.25	15.2	RT	NOTE 2	—	H	—	ADJUST TO FINISHED GRADE & INSTALL COVER	PE622	—	E621	—	—	—	—	—	36	—	
STH-100	641	3	489+04.39	77.2	RT	666.73	INLETS MEDIAN 1 GRATE	MS	5.49	—	P642	3	641	643	661.24	661.12	0.50	24	28	15	—
STH-100	643	3	489+25.01	59.2	RT	667.38	CATCH BASINS 4-FT DIAMETER	H	8.26	—	P644	3	643	645	661.12	660.53	0.50	117	121	15	15A
STH-100	645	3	490+49.99	58.7	RT	666.68	CATCH BASINS 4-FT DIAMETER	H	8.15	—	P646	3	645	648	660.53	660.35	0.50	36	41	15	15A
STH-100	647	5	490+50.27	10.2	LT	666.61	CATCH BASINS 4-FT DIAMETER	H	8.14	—	P647A	5	647	648	660.47	660.35	0.50	24	28	15	15A
STH-100	648	3	490+49.97	13.7	RT	667.86	CATCH BASINS 5-FT DIAMETER	H	10.24	—	P648A	3	648	648D	659.62	659.21	0.52	78	83	24	15A

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Addendum No. 02
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Revised Sheet 748
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^B PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY.
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^C PLAN LENGTH SHOWN FOR PAY QUANTITY.

PROJECT NO: 2270-04-70	HWY: STH 57	COUNTY: MILWAUKEE	DRAINAGE QUANTITIES	SHEET: 748	E

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PLOT NAME: 022569_04_07

PLOT SCALE: 1:1

STORM SEWER STRUCTURES										STORM SEWER PIPES											
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RM/OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH (FT)	STRUCTURE COMMENTS	PIPE D	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	% SLOPE ^A	PIPE LENGTH ^B (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH-100	6488	5	491+20.55	59.9	LT	666.86	INLETS 4-FT DIAMETER	H-S	5.94	—	P648C	5	648B	648D	660.92	660.57	0.50	71	15A	15	—
	648D	3	491+34.07	13.7	RT	667.00	MANHOLES 5-FT DIAMETER	H	7.79	—	P648E	3	648D	649B	659.21	658.79	0.50	85	15A	24	—
	649	5	492+25.00	19.8	LT	664.47	INLETS 4-FT DIAMETER	H	4.76	—	P649A	5	649	649B	659.71	659.54	0.50	34	15A	15	—
	649B	3	492+24.60	13.8	RT	665.72	MANHOLES 5-FT DIAMETER	H	6.93	—	P649C	3	649B	673B	658.79	655.84	1.73	170	14	24	—
	E651	—	491+94.18	102.7	RT	665.61	—	H	—	ADJUST TO FINISHED GRADE & INSTALL COVER	PE652	—	E651	E655	—	—	—	—	—	15	—
STH-100	E653	—	491+99.35	99.3	RT	665.75	—	H	—	ADJUST TO FINISHED GRADE & INSTALL COVER	PE654	—	E653	E655	—	—	—	—	—	15	—
	E655	—	491+89.50	103.9	RT	665.08	—	J-SPECIAL	—	ADJUST TO FINISHED GRADE & INSTALL COVER	PE656	—	E655	—	—	—	—	—	—	15	—
	667	3	492+24.97	58.8	RT	664.53	INLETS 4-FT DIAMETER	H	9.40	—	P668	3	667	669	655.13	654.73	0.50	80	15A	15	—
	669	3	493+10.11	64.1	RT	663.12	CATCH BASINS 4-FT DIAMETER	H	10.39	—	P670	3	669	671	654.73	654.30	0.50	86	15A	15	—
	671	3	493+99.98	71.0	RT	661.02	CATCH BASINS 4-FT DIAMETER	H	8.72	—	P672	3	671	673B	654.30	654.06	0.50	49	15A	15	—
STH-100	673	5	493+99.78	2.6	LT	661.27	CATCH BASINS 4-FT DIAMETER	H	9.56	—	P673A	5	673	673B	653.71	653.65	0.50	12	15A	15	—
	673B	4A	494+00.02	16.0	RT	661.68	MANHOLES 5-FT DIAMETER	J-SPECIAL	8.78	—	P673C	4A	673B	689	652.90	651.95	1.00	95	15A	24	—
	675	5	493+82.12	93.5	LT	661.22	INLETS MEDIAN 1 GRATE	MS	7.05	—	P676	5	675	677	654.17	653.84	0.50	66	15A	15	—
	677	5	494+00.09	28.8	LT	660.91	CATCH BASINS 4-FT DIAMETER	H	9.07	—	P674	5	677	673	653.84	653.71	0.50	26	15A	15	—
	689	4A	495+00.04	16.0	RT	659.15	MANHOLES 5-FT DIAMETER	J-SPECIAL	7.20	—	P700	4A	689	750	651.95	650.74	1.00	121	15A	24	—
STH-100	691	5	494+99.76	15.1	LT	658.49	CATCH BASINS 4-FT DIAMETER	H	7.06	—	P690	5	691	689	653.43	653.31	0.50	25	15A	15	—
	693	5	495+00.01	30.0	LT	658.41	CATCH BASINS 4-FT DIAMETER	H	6.91	—	P692	5	693	691	653.50	653.43	0.50	15	15A	15	—
	715	3	116+56.78	80.3	LT	655.58	INLETS MEDIAN 1 GRATE	MS	4.09	—	P716	3	715	237	651.49	651.12	1.00	37	15A	15	—
	721	3	496+27.60	154.6	RT	653.83	INLETS 4-FT DIAMETER	B	4.14	—	P722	3	721	739	649.69	649.20	0.64	76	15A	18	—
	735	3	495+00.00	71.0	RT	658.49	CATCH BASINS 4-FT DIAMETER	H	9.83	—	P736	3	735	737	650.66	650.05	1.00	61	15A	15	—

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Addendum No. 02
ID 2270-04-70
Revised Sheet 749
September 9, 2021

¹ DEPTH = RM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION ^A SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE
² MATCH FLOW LINE OF REPLACED CONCRETE CURB AND GUTTER MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE
³ PLAN LENGTH SHOWN FOR PAY QUANTITY. ⁴ PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

PROJECT NO: 2270-04-70	HWY: STH 57	COUNTY: MILWAUKEE	DRAINAGE QUANTITIES	SHEET: 749	E

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PLOT BY: JONATHAN OLSON

PLOT NAME: 022569_03_07.dwg

PLOT SCALE: 1:1

Addendum No. 02
ID 2270-04-70
Revised Sheet 750
September 9, 2021

STORM SEWER STRUCTURES										STORM SEWER PIPES												
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH (FT)	STRUCTURE COMMENTS	PIPE D	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	SLOPE ^A %	PIPE LENGTH ^B (FT)	PLAN LENGTH ^C (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH-100	737	3	495+64.48	72.0	RT	657.04	CATCH BASINS 4-FT DIAMETER	H	9.24	—	P738	3	737	739	649.80	649.27	0.95	56	61	18	18	—
	739	3	496+24.80	76.6	RT	655.83	CATCH BASINS 6-FT DIAMETER	H	9.08	—	P740	3	739	750	648.75	648.60	0.30	52	57	18	24	—
	741	5	496+25.00	22.0	LT	655.90	CATCH BASINS 4-FT DIAMETER	H	7.72	—	P749	5	741	750	650.18	650.02	0.50	32	37	18	15	—
	743	5	495+00.00	75.0	LT	658.83	CATCH BASINS 4-FT DIAMETER	H	9.93	—	P744	5	743	745	650.90	650.43	0.48	96	100	15	15	—
	745	5	496+00.00	75.0	LT	656.01	INLETS 4-FT DIAMETER	H	5.58	—	P746	5	745	747	650.43	650.22	0.48	44	48	15	15	—
STH-100	747	5	496+25.02	30.0	LT	655.86	CATCH BASINS 4-FT DIAMETER	H	7.64	—	P748	5	747	741	650.22	650.18	0.50	8	12	18	15	—
	750	4A	496+25.65	14.0	RT	656.51	CATCH BASINS 5-FT DIAMETER	H	10.17	—	P751	4A	750	752	648.34	647.79	1.00	55	60	18	24	—
	752	4A	496+85.86	14.0	RT	655.63	CATCH BASINS 6-FT DIAMETER	H	13.19	—	P753	4A	752	775	644.44	644.29	0.30	49	56	18	36	—
	754	4A	497+47.30	6.0	RT	654.92	CATCH BASINS 4-FT DIAMETER	H	7.93	—	P755	4A	754	775	648.99	648.94	0.50	9	15	18	15	—
	761	5	126+25.00	57.0	LT	651.49	CATCH BASINS 4-FT DIAMETER	H	7.26	—	P762	5	761	763	646.23	645.89	0.50	68	72	15	24	—
STH-57	763	5	125+49.98	57.0	LT	651.03	CATCH BASINS 4-FT DIAMETER	H	7.14	—	P764	5	763	765	645.89	645.46	0.37	116	121	15	24	—
	765	5	124+25.00	67.1	LT	650.49	CATCH BASINS 5-FT DIAMETER	H-S	7.03	—	P766	5	765	767	645.46	644.96	0.30	167	172	15	24	—
	767	5	122+50.17	76.8	LT	652.46	CATCH BASINS 4-FT DIAMETER	H	9.50	—	P767A	5	767	768	644.96	644.86	0.30	33	37	18	24	—
	767B	5	122+17.56	58.9	LT	653.34	INLETS 4-FT DIAMETER	H	5.25	—	P767C	5	767B	767D	648.09	648.07	0.50	5	9	15	15	—
	767D	5	122+17.81	63.7	LT	653.12	INLETS 4-FT DIAMETER	H	5.05	—	P767E	5	767D	768	648.07	647.90	0.50	35	39	15	15	—
STH-57	768	5	122+25.72	103.5	LT	655.66	MANHOLES 4-FT DIAMETER	LS-SPECIAL	10.80	—	P768A	5	768	771	644.86	644.65	0.29	72	76	18	24	—
	769	5	496+74.89	94.3	LT	654.10	INLETS MEDIAN 1 GRATE	MS	5.00	—	P770	5	769	771	649.10	648.90	1.00	20	24	18	15	—
	771	5	496+85.29	75.1	LT	654.57	INLETS 4-FT DIAMETER	H	9.92	—	P772	5	771	773	644.65	644.54	0.28	37	41	18	24	—
	773	5	496+85.52	30.0	LT	655.10	CATCH BASINS 4-FT DIAMETER	H	12.56	—	P774	5	773	774A	644.54	644.52	0.30	8	12	15	24	—
	774A	4A	496+85.42	22.0	LT	655.01	CATCH BASINS 4-FT DIAMETER	H	12.49	—	P774B	4A	774A	752	644.52	644.43	0.28	32	37	18	24	—

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¹ DEPTH = RM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION ^A SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE
² MATCH FLOW LINE OF REPLACED CONCRETE CURB AND GUTTER MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE
³ PLAN LENGTH SHOWN FOR SLOPE CALCULATION ONLY. ⁴ PLAN LENGTH SHOWN FOR PAY QUANTITY.

NOT INTENDED FOR PAY QUANTITY.

COUNTY: MILWAUKEE

HWY: STH 57

PROJECT NO: 2270-04-70

DRAINAGE QUANTITIES

SHEET: 750

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Addendum No. 02
ID 2270-04-70
Revised Sheet 751
September 9, 2021

STORM SEWER STRUCTURES										STORM SEWER PIPES												
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RM OR FLOW LINE ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH (FT)	STRUCTURE COMMENTS	PIPE D	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	SLOPE ^A %	PIPE LENGTH ^B (FT)	PLAN LENGTH ^C (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH-100	775	4A	497+41.57	14.0	RT	655.10	MANHOLES 8-FT DIAMETER	H	13.26	2' SUMP	P776	4A	775	777	643.84	643.54	0.30	99	106	IV	48	—
	777	3	498+48.40	17.0	RT	654.14	MANHOLES 7-FT DIAMETER	J-SPECIAL	10.64	—	P778	3	777	817	643.50	642.99	0.30	168	177	IV	54	—
	793	5	499+42.81	158.3	LT	653.10	INLETS MEDIAN 1 GRATE	MS	6.35	—	P794	5	793	803	646.75	645.69	1.50	71	74	II-A	15	—
	801	5	499+66.26	76.5	LT	652.07	INLETS 4-FT DIAMETER	H	6.28	—	P802	5	801	802A	645.79	645.77	0.50	5	9	II-A	15	—
	802A	5	499+67.26	81.4	LT	651.90	CATCH BASINS 4-FT DIAMETER	H-S	8.13	—	P802B	5	802A	803	645.77	645.69	0.50	16	20	II-A	15	—
	803	5	499+82.67	98.4	LT	651.59	CATCH BASINS 4-FT DIAMETER	H-S	7.90	—	P804	5	803	805	645.69	645.50	0.50	39	43	II-A	15	—
	805	5	500+25.00	92.4	LT	651.68	CATCH BASINS 4-FT DIAMETER	H	8.43	—	P806	5	805	813	645.25	644.98	0.50	54	58	II-A	18	—
	811	5	499+75.00	30.0	LT	652.53	CATCH BASINS 4-FT DIAMETER	H	9.07	—	P812	5	811	813	645.46	645.23	0.50	46	50	II-A	15	—
	813	5	500+25.04	30.0	LT	652.37	INLETS 4-FT DIAMETER	H-S	7.39	—	P814	5	813	814A	644.98	644.94	0.50	8	12	II-A	18	—
	814A	5	500+25.03	22.0	LT	652.23	INLETS 4-FT DIAMETER	H-S	7.31	—	P814B	5	814A	815	644.92	644.82	0.50	20	24	II-A	18	—
STH-100	815	5	500+24.99	6.0	RT	651.75	INLETS 4-FT DIAMETER	H-S	6.93	—	P816	5	815	817	644.82	644.78	0.50	8	15	II-A	18	—
	817	3	500+25.01	14.0	RT	652.98	MANHOLES 10-FT SPECIAL	H-S	12.00	2' SUMP	P818	3	817	819	642.98	642.90	0.30	28	36	IV	54	—
	819	3	500+25.00	59.0	RT	652.64	MANHOLES 7-FT DIAMETER	H-S	11.74	2' SUMP	P820	3	819	821	642.90	642.86	0.30	12	21	IV	54	—
	821	3	500+24.96	76.4	RT	652.92	MANHOLES 10-FT SPECIAL	B	10.06	—	P822	3	821	843	642.86	642.51	0.30	117	125	IV	54	—
	833	5	502+29.57	83.7	LT	652.93	INLETS 4-FT DIAMETER	H	5.55	—	P834	5	833	835	647.38	646.64	1.00	74	78	II-A	15	—
	835	5	501+51.05	85.4	LT	652.32	INLETS 4-FT DIAMETER	H	5.68	—	P836	5	835	837	646.64	645.83	1.00	81	85	II-A	15	—
	837	5	501+50.12	4.0	RT	652.35	INLETS 4-FT DIAMETER	H	6.52	—	P838	5	837	839	645.83	645.75	1.00	8	12	II-A	15	—
	839	3	501+49.87	12.1	RT	653.49	INLETS 4-FT DIAMETER	H	7.74	—	P840	3	839	841	645.75	645.38	0.95	39	43	II-A	15	—
	841	3	501+50.00	59.0	RT	653.07	INLETS 4-FT DIAMETER	H	7.69	—	P842	3	841	843	645.38	645.24	1.00	14	19	II-A	15	—
	843	3	501+50.00	76.1	RT	653.04	MANHOLES 7-FT DIAMETER	J-SPECIAL	10.53	—	P844	3	843	857	642.51	641.63	0.30	294	301	IV	54	—

2

¹ DEPTH = RM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION ^A SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE
² MATCH FLOW LINE OF REPLACED CONCRETE CURB AND GUTTER MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE
NOT INTENDED FOR PAY QUANTITY.

^B PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY.
NOT INTENDED FOR PAY QUANTITY.

^C PLAN LENGTH SHOWN FOR PAY QUANTITY.

PROJECT NO: 2270-04-70

HWY: STH 57

COUNTY: MILWAUKEE

DRAINAGE QUANTITIES

SHEET: 751

E

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PLOT BY: JONATHAN OLSON

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Addendum No. 02
ID 2270-04-70
Revised Sheet 752
September 9, 2021

STORM SEWER STRUCTURES										STORM SEWER PIPES												
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH ¹ (FT)	STRUCTURE COMMENTS	PIPE D	PIPE STAGE	FROM	TO	INLET ELEV	DISCH ELEV	SLOPE ^A %	PIPE LENGTH ^B (FT)	PLAN LENGTH ^C (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
																					2	
	STH 100	3	504+50.97	59.0	RT	654.96	CATCH BASINS 4-FT DIAMETER	H	8.80	—	P856	3	855	857	648.16	647.89	2.00	14	19	1-A	15	—
	STH 100	3	504+50.95	76.4	RT	654.70	MANHOLES 7-FT DIAMETER	J-SPECIAL	13.07	—	P858	3	857	890C	641.63	641.31	0.30	107	115	IV	54	—
	STH 100	3	504+51.48	66.5	LT	654.85	CATCH BASINS 4-FT DIAMETER	H	5.68	—	P882	3	881	883	651.17	651.04	0.30	43	47	IV	15	—
	STH 100	5	504+51.82	16.0	LT	655.09	CATCH BASINS 4-FT DIAMETER	H	6.05	—	P884	5	883	E885	651.04	651.01	0.30	9	13	IV	15	—
	STH 100	E885	504+51.84	7.0	LT	NOTE 2	—	H	—	ADJUST TO FINISHED GRADE & INSTALL COVER	PE886	—	E885	E887	—	—	—	—	—	—	15	—
—	—	—	—	—	—	—	—	—	—	—	PE872	—	—	E889	—	—	—	—	—	—	48	—
STH 100	E887	—	504+51.37	14.2	RT	NOTE 2	—	H	—	ADJUST TO FINISHED GRADE & INSTALL COVER	PE888	—	E887	E889	—	—	—	—	—	—	15	—
STH 100	E889	—	504+73.87	21.9	RT	655.41	—	—	—	—	PE890	—	E889	890A	—	641.27	—	—	—	—	48	EXIST PIPE INTERPOL ELEV
STH 100	890A	3	505+66.14	62.2	RT	656.33	MANHOLES 7-FT DIAMETER	J-SPECIAL	15.07	—	P890B	3	890A	890C	641.26	641.23	0.50	6	14	IV	48	—
STH 100	890C	3	505+66.14	76.5	RT	655.44	MANHOLES 9-FT SPECIAL	J-SPECIAL	14.21	—	P890D	3	890C	891	641.23	641.16	0.30	25	33	IV	54	—
STH 100	891	3	505+99.08	76.5	RT	655.60	MANHOLES 7-FT DIAMETER	J-SPECIAL	14.44	—	P892	3	891	915	641.16	640.85	0.30	104	111	IV	54	—
STH 100	915	3	507+00.83	121.9	RT	654.64	MANHOLES 7-FT DIAMETER	J-SPECIAL	13.79	—	P916	3	915	917	640.85	640.36	0.46	105	108	IV	54	TO ENDWALL
—	—	—	—	—	—	—	—	—	—	—	P922	5	921	923	646.57	645.84	0.97	72	75	1-A	36	FROM ENDWALL
STH 100	923	5	502+08.67	88.1	LT	653.33	MANHOLES 6-FT DIAMETER	J-SPECIAL	7.49	CENTER OF COVER AT STA 502+08.62 86.1 LT	P924	5	923	925	645.64	645.48	0.50	73	79	1-A	36	EXIST PIPE INTERPOL ELEV
STH 100	925	5	502+48.91	95.2	LT	652.24	MANHOLES 6-FT DIAMETER	J-SPECIAL	6.76	—	PE926	—	925	E927	645.48	—	—	—	—	—	36	—
STH 100	E927	—	503+59.35	93.3	LT	653.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

¹ DEPTH = RM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION ² SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE
³ MATCH FLOW LINE OF REPLACED CONCRETE CURB AND GUTTER MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE
⁴ PLAN LENGTH SHOWN FOR PAY QUANTITY. ⁵ PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

PROJECT NO: 2270-04-70

HWY: STH 57

COUNTY: MILWAUKEE

DRAINAGE QUANTITIES

SHEET: 752

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PLOT NAME: 022569_04_07.dwg

PLOT SCALE: 1:1

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2

PROJECT NO: 2270-04-70

COUNTY: MILWAUKEE

DRAINAGE QUANTITIES

SHEET:

753

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ALL ITEMS ARE CATEGORY 0050 UNLESS OTHERWISE NOTED

SANITARY SEWER PIPES

PIPE ID	FROM	TO	INLET	DISCH	SLOPE ^A	PIPE LENGTH ^B (FT)	PLAN LENGTH ^C (FT)	PIPE CALSS	PIPE SIZE (INCH)
--	826.010	826.061	646.15	645.75	0.40	101	101	IV	21
--	826.029	826.027	649.90	649.60	0.48	63	63	III	12

SANITARY SEWER ROADWAY

204.0100	305.0120	455.0605	460.6223	460.6224	690.0250
REMOVING CONCRETE	BASE AGGREGATE	PAVEMENT	PAVEMENT	HMA	HMA
PAVEMENT	DENSE 1 1/4-INCH	TACK COAT	3 MT 58-28 S	4 MT 58-28 S	CONCRETE
SY	TON	GAL	TON	TON	LF
56	37	2	17	6	210
35	23	1	10	3	134
91	60	3	27	9	344
PROJECT TOTALS					

SANITARY SEWER SPECIAL

SPV.0060.10	SPV.0060.11	SPV.0090.10	SPV.0090.11	SPV.0060.15
SANITARY SEWER REINFORCED CONCRETE	SANITARY SEWER REINFORCED CONCRETE	SANITARY SEWER PIPE REINFORCED CONCRETE	SANITARY SEWER PIPE REINFORCED CONCRETE	ADJUSTING CITY OF MEQUON SANITARY MANHOLE COVERS
COLLAR 12-INCH	COLLAR 21-INCH	CLASS III 12-INCH	CLASS IV 21-INCH	
EACH	EACH	LF	LF	EACH
--	2	--	101	1
2	--	63	--	--
2	2	63	101	1
PROJECT TOTALS				

3

SANITARY BYPASS

SPV.0105.12	TEMPORARY SANITARY SEWER BYPASS
LS	
Project No. 2270-04-70	1
PROJECT TOTALS	
	1

3

PROJECT NO: 2270-04-70

HWY: STH 57

COUNTY: MILWAUKEE & OZAUKEE

MISCELLANEOUS QUANTITIES

SHEET 756

E

FILE NAME :

PLOT DATE : 9/7/2021 12:48 PM

PLOT BY :

PLOT NAME : 030211.mxd

PLOT SCALE : 1,000000:1,000000

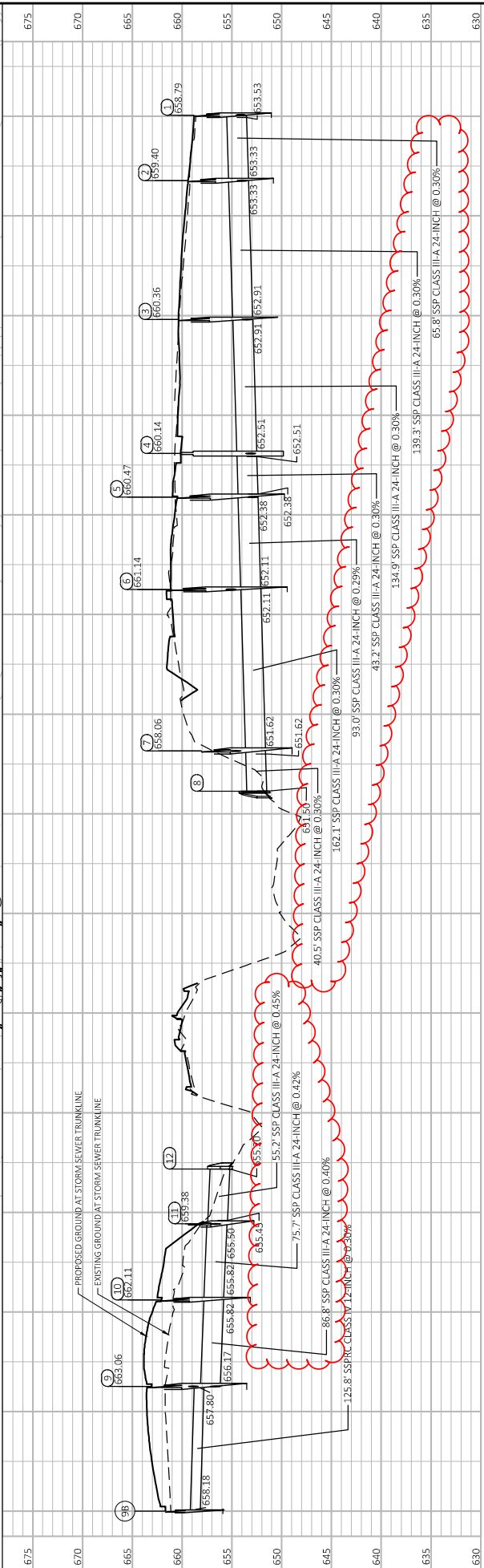
WISDOT / CADDS SHEET 42

Addendum No. 02

ID 2270-04-70

Revised Sheet 756

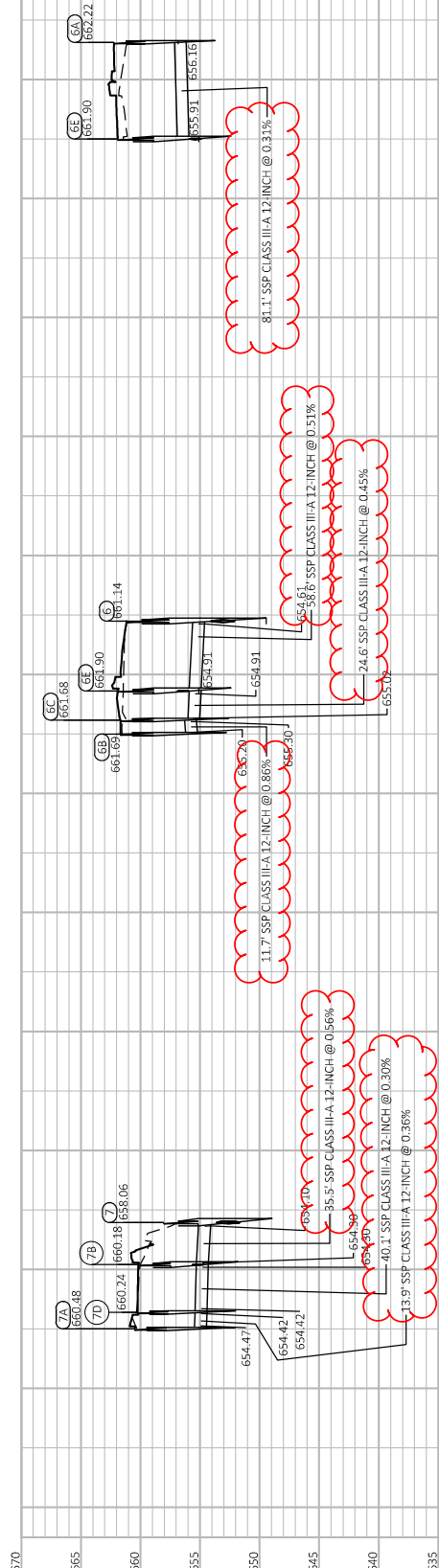
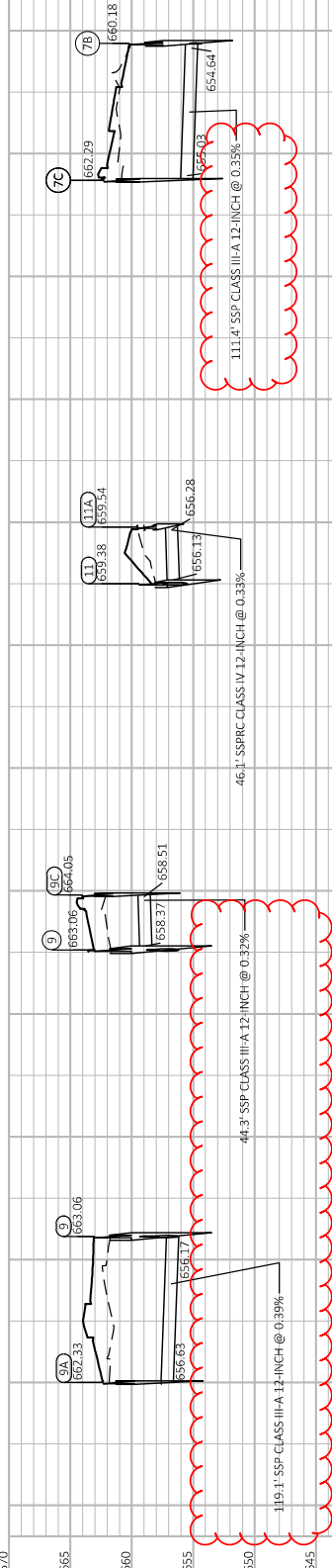
September 9, 2021

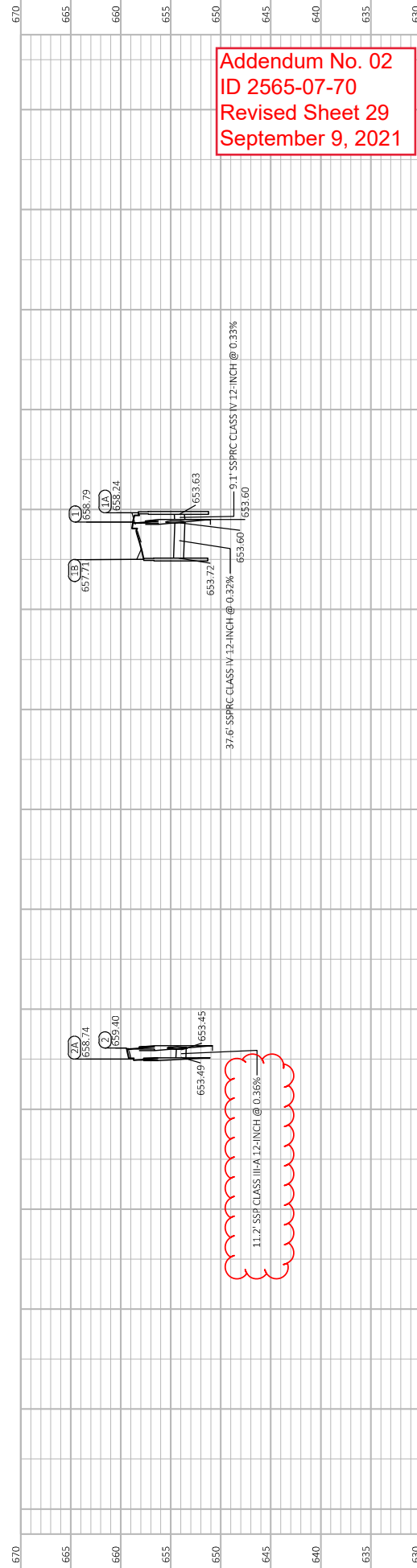
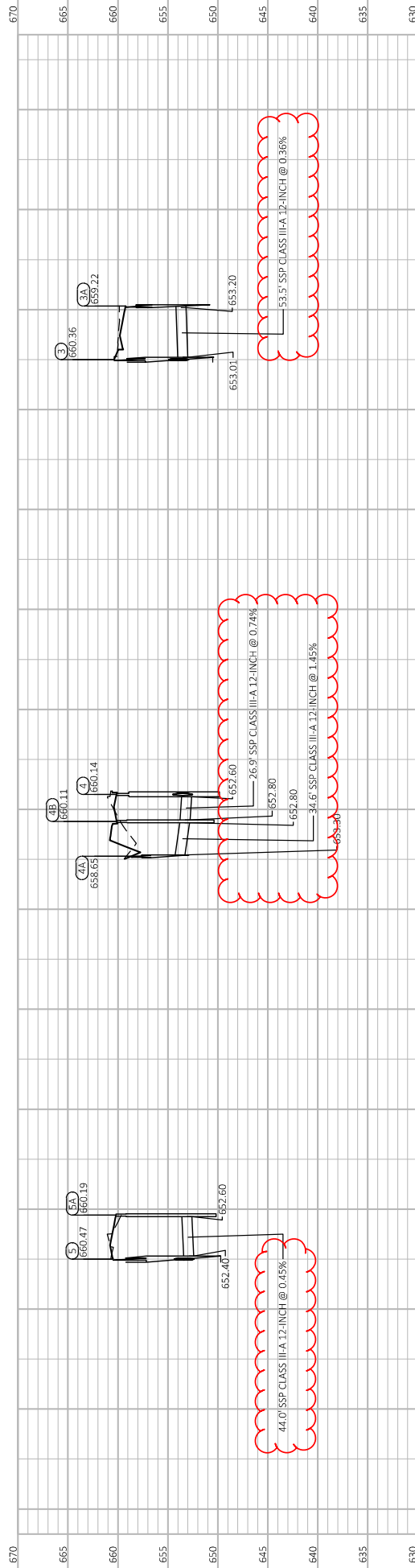


PROJECT NO:	2565-07-70	HWY: STH 57	COUNTY: MILWAUKEE	STORM SEWER	E
FILE NAME:	L:\DESIGN\PROJECTS\2565-07-70 STH 57\11. ROADWAY\CADD\SHEETSPLOT\022501_SS.DWG LAYOUT NAME = 022501_SS				
			PLOT DATE: 9/8/2023 1:37 PM PLOT BY: REBECCA IONARDI	PLOT NAME: 3 IN=100 FT PLOT SCALE: 3 IN=100 FT	WSDOT/CADD SHEET 41 27

2

Addendum No. 02
ID 2565-07-70
Revised Sheet 28
September 9, 2021





Addendum No. 02
ID 2565-07-70
Revised Sheet 29
September 9, 2021

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

Addendum No. 02
ID 2565-07-70
Revised Sheet 65
September 9, 2021

STORM SEWER PIPES

STORM SEWER STRUCTURES

ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS	DEPTH (FT)	FROM	TO	INLET ELEV	DISCH ELEV	SLOPE ^A	PIPE LENGTH ± (FT)	PIPE CLASS	PIPE SIZE (INCH)
STH 57	1	102NB+44	19.4	LT	658.79	MANHOLE 4-FT DIAMETER	J	7.26	1	2	653.53	653.33	0.30	65.6	III-A	24
STH 57	1A	102NB+45	10.4	LT	658.24	CATCH BASIN 2x3-FT	H	6.61	1A	1	653.63	653.60	0.33	9.1	IV	12
STH 57	1B	102NB+43	57	LT	657.71	CATCH BASIN 2x3-FT	H	5.99	1B	1	653.72	653.60	0.32	37.6	IV	12
STH 57	2	101NB+78	15.8	LT	659.4	MANHOLE 4-FT DIAMETER	J	8.07	2	3	653.33	652.91	0.30	139.3	III-A	24
STH 57	2A	101NB+77	26.9	LT	658.74	CATCH BASIN 2x3-FT	H	7.25	2A	2	653.49	653.45	0.36	11.1	III-A	12
STH 57	3	100NB+38	12	LT	660.36	MANHOLE 4-FT DIAMETER	J	9.45	3	4	652.91	652.51	0.30	134.6	III-A	24
STH 57	3A	100NB+38	41.5	RT	659.22	CATCH BASIN 2x3-FT	H	8.02	3A	3	653.20	653.01	0.36	53.6	III-A	12
STH 57	4	99NB+04	13.8	LT	660.14	MANHOLE 4-FT DIAMETER	H	9.63	4	5	652.51	652.38	0.30	43.1	III-A	24
STH 57	4A	98NB+99	75.2	LT	658.65	INLETS 2x2-FT	B	5.35	4A	4B	653.30	652.80	1.45	34.6	III-A	12
STH 57	4B	98NB+99	40.5	LT	660.11	CATCH BASIN 2x3-FT	H	9.31	4B	4	652.80	652.60	0.74	26.6	III-A	12
STH 57	5	98NB+63	1.8	LT	660.47	MANHOLE 5-FT DIAMETER	H	10.09	5	6	652.38	652.11	0.29	93.1	III-A	24
STH 57	5A	98NB+62	42.2	RT	660.19	CATCH BASIN 2x3-FT	H	9.59	5A	5	652.60	652.40	0.45	44.1	III-A	12
STH 57	6	97NB+73	24.6	RT	661.14	MANHOLE 4-FT DIAMETER	H	11.03	6	7	652.11	651.62	0.30	162.1	III-A	24
STH 57	6A	97NB+63	79.7	LT	662.22	CATCH BASIN 2x3-FT	H	8.06	6A	6E	656.16	655.91	0.31	81.1	III-A	12
STH 57	6B	3C+33	1.5	LT	661.69	CATCH BASIN 2x3-FT	T	8.49	6B	6C	655.20	655.30	0.86	11.1	III-A	12
STH 57	6C	3C+45	1.5	LT	661.68	CATCH BASIN 2x3-FT	T	8.66	6C	6E	655.02	654.91	0.45	24.6	III-A	12
STH 57	6E	97NB+24	8.5	LT	661.9	MANHOLE 4-FT DIAMETER	H	8.99	6E	6	654.91	654.61	0.51	58.6	III-A	12
STH 57	7	39NB+13	90.5	RT	658.06	MANHOLE 5-FT DIAMETER	J	8.44	7	8	651.62	651.50	0.30	40.1	III-A	24
STH 57	7A	38WB+83	16	RT	660.48	CATCH BASIN 2x3-FT	H	8.01	7A	7D	654.47	654.42	0.36	13.1	III-A	12
STH 57	7D	38WB+81	30	RT	660.24	CATCH BASIN 2x3-FT	H	7.82	7D	7B	654.42	654.30	0.30	40.1	III-A	12
STH 57	7B	39WB+12	55	RT	660.18	MANHOLE 4-FT DIAMETER	H	7.88	7B	7	654.30	654.10	0.56	35.1	III-A	12
STH 57	7C	40WB+08	9.8	LT	662.29	CATCH BASIN 2x3-FT	H	9.26	7C	7B	655.03	654.64	0.35	111.1	III-A	12
STH 57	8	39WB+03	129.8	RT		APRON ENDWALL 24-IN										
N. TEUTONIA AVE	9	95NB+26	30.8	RT	663.06	MANHOLE 5-FT DIAMETER	H	8.89	9	10	656.17	655.82	0.40	86.6	III-A	24
N. TEUTONIA AVE	9A	94NB+43	53.5	LT	662.33	CATCH BASIN 2x3-FT	H	7.70	9A	9	656.63	656.17	0.39	119.1	III-A	12
N. TEUTONIA AVE	9B	93NB+71	30.7	RT	661.68	CATCH BASIN 2x3-FT	H	5.50	9B	9	658.18	657.80	0.30	125.6	IV	12
N. TEUTONIA AVE	9C	95NB+35	13	LT	664.05	CATCH BASIN 2x3-FT	H	7.54	9C	9	658.51	658.37	0.32	44.1	III-A	12
STH 57	10	39WB+80	55.7	LT	662.11	MANHOLE 4-FT DIAMETER	H	8.29	10	11	655.82	655.50	0.42	75.1	III-A	24
STH 57	11	39WB+17	71.3	LT	659.38	MANHOLE 5-FT DIAMETER	J	5.93	11	12	655.45	655.20	0.45	55.1	III-A	24
STH 57	11A	38WB+80	43.6	LT	659.54	CATCH BASIN 2x3-FT	H	5.26	11A	11	656.28	656.13	0.33	46.1	IV	12
STH 57	12	38WB+75	107.7	LT		APRON ENDWALL 24-IN										

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

Addendum No. 02
ID 2565-07-70
Revised Sheet 65
September 9, 2021

STORM SEWER SUMMARY

[illegible]

Addendum No. 02
ID 2565-07-70
Revised Sheet 66
September 9, 2021

CONSTRUCTION STAKING									
650.4000	650.4500	650.7000	650.8500	650.9000	650.9910	650.9920	SPV.0165.01		
CONSTRUCTION STAKING STORM SEWER EACH	CONSTRUCTION STAKING SUBGRADE LF	CONSTRUCTION STAKING CONCRETE PAVEMENT LF	ELECTRICAL INSTALLATIONS (2565-07-70) LS	CONSTRUCTION STAKING CURB RAMPS EACH	SUPPLEMENTAL CONTROL (2565-07-70) LS	CONSTRUCTION STAKING SLOPE STAKES LF	CONSTRUCTION STAKING SIDEWALK SF		
31	1,800	1,800	1	14	1	3,043	22,330		
PROJECT TOTALS									
31	1,800	1,800	1	14	1	3,043	22,330		

PROJECT TOTALS



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	108.4400 CPM Progress Schedule	1.000 EACH	_____.	_____.
0004	201.0105 Clearing	45.000 STA	_____.	_____.
0006	201.0120 Clearing	60.000 ID	_____.	_____.
0008	201.0205 Grubbing	45.000 STA	_____.	_____.
0010	201.0220 Grubbing	60.000 ID	_____.	_____.
0012	203.0200 Removing Old Structure (station) 01. 120+00	LS	LUMP SUM	_____.
0014	203.0210.S Abatement of Asbestos Containing Material (structure) 01. B-40-153	LS	LUMP SUM	_____.
0016	204.0100 Removing Concrete Pavement	73,989.000 SY	_____.	_____.
0018	204.0109.S Removing Concrete Surface Partial Depth	322,878.000 SF	_____.	_____.
0020	204.0110 Removing Asphaltic Surface	170.000 SY	_____.	_____.
0022	204.0115 Removing Asphaltic Surface Butt Joints	671.000 SY	_____.	_____.
0024	204.0120 Removing Asphaltic Surface Milling	85,590.000 SY	_____.	_____.
0026	204.0150 Removing Curb & Gutter	7,524.000 LF	_____.	_____.
0028	204.0155 Removing Concrete Sidewalk	2,902.000 SY	_____.	_____.
0030	204.0165 Removing Guardrail	1,932.000 LF	_____.	_____.
0032	204.0175 Removing Concrete Slope Paving	485.000 SY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0034	204.0185 Removing Masonry	40.000 CY	_____.	_____.
0036	204.0195 Removing Concrete Bases	63.000 EACH	_____.	_____.
0038	204.0210 Removing Manholes	14.000 EACH	_____.	_____.
0040	204.0220 Removing Inlets	100.000 EACH	_____.	_____.
0044	204.0245 Removing Storm Sewer (size) 01. 12-INCH	4,362.000 LF	_____.	_____.
0046	204.0245 Removing Storm Sewer (size) 02. 15-INCH	278.000 LF	_____.	_____.
0048	204.0245 Removing Storm Sewer (size) 03. 18-INCH	1,323.000 LF	_____.	_____.
0052	204.0245 Removing Storm Sewer (size) 04. 24-INCH	1,237.000 LF	_____.	_____.
0054	204.0245 Removing Storm Sewer (size) 05. 30-INCH	226.000 LF	_____.	_____.
0056	204.0245 Removing Storm Sewer (size) 06. 36-INCH	416.000 LF	_____.	_____.
0058	204.0245 Removing Storm Sewer (size) 07. 42-INCH	1,057.000 LF	_____.	_____.
0060	204.0245 Removing Storm Sewer (size) 08. 48-INCH	292.000 LF	_____.	_____.
0062	204.0250 Abandoning Manholes	2.000 EACH	_____.	_____.
0064	204.0280 Sealing Pipes	5.000 EACH	_____.	_____.
0066	204.0291.S Abandoning Sewer	150.000 CY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0068	204.9060.S Removing (item description) 61. Removing Communication Vault	2.000 EACH	_____.	_____.
0070	204.9105.S Removing (item description) 61. Remove Traffic Signals STH 57 & STH 100	LS	LUMP SUM	_____.
0072	204.9105.S Removing (item description) 62. Remove Traffic Signals STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0074	204.9105.S Removing (item description) 63. Remove Traffic Signals STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0076	204.9105.S Removing (item description) 64. Remove Traffic Signals STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0078	204.9105.S Removing (item description) 65. Remove Traffic Signals STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0080	204.9105.S Removing (item description) 66. Remove Loop Detector Wire and Lead-In Cable STH 57 & STH 100	LS	LUMP SUM	_____.
0082	204.9105.S Removing (item description) 67. Remove Loop Detector Wire and Lead-In Cable STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0084	204.9105.S Removing (item description) 68. Remove Loop Detector Wire and Lead-In Cable STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0086	204.9105.S Removing (item description) 69. Remove Loop Detector Wire and Lead-In Cable STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0088	204.9105.S Removing (item description) 70. Remove Loop Detector Wire and Lead-In Cable STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0090	205.0100 Excavation Common	144,693.000 CY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0092	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	1.700 TON	_____.	_____.
0094	208.0100 Borrow	3,996.000 CY	_____.	_____.
0096	209.1500 Backfill Granular Grade 1	11,666.000 TON	_____.	_____.
0098	211.0100 Prepare Foundation for Asphaltic Paving (project) 01. 2270-04-70	LS	LUMP SUM	_____.
0100	213.0100 Finishing Roadway (project) 01. 2270-04-70	1.000 EACH	_____.	_____.
0102	213.0100 Finishing Roadway (project) 02. 2565-07-70	1.000 EACH	_____.	_____.
0104	214.0100 Obliterating Old Road	38.500 STA	_____.	_____.
0106	305.0110 Base Aggregate Dense 3/4-Inch	6,141.000 TON	_____.	_____.
0108	305.0120 Base Aggregate Dense 1 1/4-Inch	39,273.000 TON	_____.	_____.
0110	312.0110 Select Crushed Material	76,284.000 TON	_____.	_____.
0112	390.0103 Base Patching	106.000 SY	_____.	_____.
0114	390.0203 Base Patching Asphaltic	864.000 SY	_____.	_____.
0116	390.0303 Base Patching Concrete	2,139.000 SY	_____.	_____.
0118	405.0100 Coloring Concrete WisDOT Red	156.000 CY	_____.	_____.
0120	405.0200 Coloring Concrete Custom 01. Scofield Rust Fields	1,401.000 CY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70

Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0122	405.0200 Coloring Concrete Custom 02. Scofield Schooner Beige	363.000 CY	_____.	_____.
0124	405.0200 Coloring Concrete Custom 03. Scofield Plum Chestnut	213.000 CY	_____.	_____.
0126	415.0080 Concrete Pavement 8-Inch	54,710.000 SY	_____.	_____.
0128	415.0085 Concrete Pavement 8 1/2-Inch	12,100.000 SY	_____.	_____.
0130	415.1080 Concrete Pavement HES 8-Inch	5,439.000 SY	_____.	_____.
0132	415.5110.S Concrete Pavement Joint Layout 01. 2270-04-70	LS	LUMP SUM	_____.
0134	415.5110.S Concrete Pavement Joint Layout 02. 2565-07-70	LS	LUMP SUM	_____.
0136	416.0160 Concrete Driveway 6-Inch	140.000 SY	_____.	_____.
0138	416.0512 Concrete Truck Apron 12-Inch	470.000 SY	_____.	_____.
0140	450.4000 HMA Cold Weather Paving	2,446.000 TON	_____.	_____.
0142	455.0605 Tack Coat	6,921.000 GAL	_____.	_____.
0144	460.2000 Incentive Density HMA Pavement	12,810.000 DOL	1.00000	12,810.00
0146	460.6223 HMA Pavement 3 MT 58-28 S	11,817.000 TON	_____.	_____.
0148	460.6224 HMA Pavement 4 MT 58-28 S	8,877.000 TON	_____.	_____.
0150	465.0125 Asphaltic Surface Temporary	3,608.000 TON	_____.	_____.
0152	465.0310 Asphaltic Curb	736.000 LF	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0154	495.1000.S Cold patch	20.000 TON	_____.	_____.
0156	502.0100 Concrete Masonry Bridges	1.000 CY	_____.	_____.
0158	502.0717.S Crack Sealing Epoxy	60.000 LF	_____.	_____.
0160	502.3200 Protective Surface Treatment	2,377.000 SY	_____.	_____.
0162	502.3210 Pigmented Surface Sealer	86.000 SY	_____.	_____.
0164	502.3215.S Protective Surface Treatment Reseal	1,288.000 SY	_____.	_____.
0166	505.0600 Bar Steel Reinforcement HS Coated Structures	50.000 LB	_____.	_____.
0168	509.0200 Preparation Approaches	303.000 SY	_____.	_____.
0170	509.0301 Preparation Decks Type 1	1,273.000 SY	_____.	_____.
0172	509.0302 Preparation Decks Type 2	955.000 SY	_____.	_____.
0174	509.0505.S Cleaning Decks to Reapply Concrete Masonry Overlay	2,377.000 SY	_____.	_____.
0176	509.0600 Cleaning Approaches	303.000 SY	_____.	_____.
0178	509.1200 Curb Repair	60.000 LF	_____.	_____.
0180	509.1500 Concrete Surface Repair	2,345.000 SF	_____.	_____.
0182	509.2000 Full-Depth Deck Repair	2.000 SY	_____.	_____.
0184	509.2500 Concrete Masonry Overlay Decks	271.000 CY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0186	509.2600 Concrete Masonry Overlay Approaches	13.000 CY	_____.	_____.
0188	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 30. B-40-504	1,240.000 SY	_____.	_____.
0190	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 31. B-40-505	1,137.000 SY	_____.	_____.
0192	509.9050.S Cleaning Parapets	512.000 LF	_____.	_____.
0194	520.8000 Concrete Collars for Pipe	14.000 EACH	_____.	_____.
0196	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	1.000 EACH	_____.	_____.
0198	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	1.000 EACH	_____.	_____.
0200	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	2.000 EACH	_____.	_____.
0202	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	1.000 EACH	_____.	_____.
0204	522.1054 Apron Endwalls for Culvert Pipe Reinforced Concrete 54-Inch	1.000 EACH	_____.	_____.
0206	524.0612 Apron Endwalls for Culvert Pipe Salvaged 12-Inch	1.000 EACH	_____.	_____.
0208	531.2030 Drilling Shaft 30-Inch 01. S-40-3092	17.000 LF	_____.	_____.
0210	531.2030 Drilling Shaft 30-Inch 02. S-40-3093	17.000 LF	_____.	_____.
0212	531.2042 Drilling Shaft 42-Inch 0001. S-40-669	18.000 LF	_____.	_____.
0214	531.2042 Drilling Shaft 42-Inch 0002. S-40-3090	18.000 LF	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0216	531.2042 Drilling Shaft 42-Inch 0003. S-40-3091	18.000 LF	_____.	_____.
0218	531.5110 Foundation Single-Shaft Type MC-I (structure) 01. S-40-3092	1.000 EACH	_____.	_____.
0220	531.5110 Foundation Single-Shaft Type MC-I (structure) 02. S-40-3093	1.000 EACH	_____.	_____.
0222	531.5130 Foundation Single-Shaft Type MC-III (structure) 0001. S-40-669	1.000 EACH	_____.	_____.
0224	531.5130 Foundation Single-Shaft Type MC-III (structure) 0002. S-40-3090	1.000 EACH	_____.	_____.
0226	531.5140 Foundation Single-Shaft Type MC-IV (structure) 0003. S-40-3091	1.000 EACH	_____.	_____.
0228	532.5110 Monotube Cantilever Type I (structure) 01. S-40-3092	1.000 EACH	_____.	_____.
0230	532.5110 Monotube Cantilever Type I (structure) 02. S-40-3093	1.000 EACH	_____.	_____.
0232	532.5130 Monotube Cantilever Type III (structure) 0001. S-40-669	1.000 EACH	_____.	_____.
0234	532.5130 Monotube Cantilever Type III (structure) 0002. S-40-3090	1.000 EACH	_____.	_____.
0236	532.5140 Monotube Cantilever Type IV (structure) 0003. S-40-3091	1.000 EACH	_____.	_____.
0238	601.0405 Concrete Curb & Gutter 18-Inch Type A	389.000 LF	_____.	_____.
0240	601.0407 Concrete Curb & Gutter 18-Inch Type D	240.000 LF	_____.	_____.
0242	601.0409 Concrete Curb & Gutter 30-Inch Type A	31,355.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0244	601.0411 Concrete Curb & Gutter 30-Inch Type D	1,470.000 LF	_____.	_____.
0246	601.0413 Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	621.000 LF	_____.	_____.
0248	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	1,079.000 LF	_____.	_____.
0250	601.0580 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	393.000 LF	_____.	_____.
0252	601.0600 Concrete Curb Pedestrian	642.000 LF	_____.	_____.
0254	602.0410 Concrete Sidewalk 5-Inch	109,454.000 SF	_____.	_____.
0256	602.0505 Curb Ramp Detectable Warning Field Yellow	1,064.000 SF	_____.	_____.
0258	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	56.000 SF	_____.	_____.
0260	603.8000 Concrete Barrier Temporary Precast Delivered	1,105.000 LF	_____.	_____.
0262	603.8125 Concrete Barrier Temporary Precast Installed	2,068.000 LF	_____.	_____.
0264	606.0200 Riprap Medium	23.000 CY	_____.	_____.
0276	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	74.000 LF	_____.	_____.
0278	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	22.000 LF	_____.	_____.
0280	608.0354 Storm Sewer Pipe Reinforced Concrete Class III 54-Inch	1,027.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0282	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	410.000 LF	_____.	_____.
0284	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	1,395.000 LF	_____.	_____.
0286	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	58.000 LF	_____.	_____.
0288	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	1,671.000 LF	_____.	_____.
0290	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	247.000 LF	_____.	_____.
0292	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	22.000 LF	_____.	_____.
0294	608.0448 Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	106.000 LF	_____.	_____.
0296	611.0430 Reconstructing Inlets	3.000 EACH	_____.	_____.
0298	611.0530 Manhole Covers Type J	9.000 EACH	_____.	_____.
0300	611.0535 Manhole Covers Type J-Special	28.000 EACH	_____.	_____.
0302	611.0606 Inlet Covers Type B	5.000 EACH	_____.	_____.
0304	611.0612 Inlet Covers Type C	2.000 EACH	_____.	_____.
0306	611.0624 Inlet Covers Type H	153.000 EACH	_____.	_____.
0308	611.0639 Inlet Covers Type H-S	31.000 EACH	_____.	_____.
0310	611.0642 Inlet Covers Type MS	13.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0312	611.0651 Inlet Covers Type S	5.000 EACH	_____.	_____.
0314	611.0652 Inlet Covers Type T	2.000 EACH	_____.	_____.
0316	611.1004 Catch Basins 4-FT Diameter	96.000 EACH	_____.	_____.
0318	611.1005 Catch Basins 5-FT Diameter	12.000 EACH	_____.	_____.
0320	611.1006 Catch Basins 6-FT Diameter	7.000 EACH	_____.	_____.
0322	611.1230 Catch Basins 2x3-FT	21.000 EACH	_____.	_____.
0324	611.2004 Manholes 4-FT Diameter	9.000 EACH	_____.	_____.
0326	611.2005 Manholes 5-FT Diameter	16.000 EACH	_____.	_____.
0328	611.2006 Manholes 6-FT Diameter	11.000 EACH	_____.	_____.
0330	611.2007 Manholes 7-FT Diameter	7.000 EACH	_____.	_____.
0332	611.2008 Manholes 8-FT Diameter	1.000 EACH	_____.	_____.
0334	611.3003 Inlets 3-FT Diameter	3.000 EACH	_____.	_____.
0336	611.3004 Inlets 4-FT Diameter	28.000 EACH	_____.	_____.
0338	611.3220 Inlets 2x2-FT	1.000 EACH	_____.	_____.
0340	611.3901 Inlets Median 1 Grate	11.000 EACH	_____.	_____.
0342	611.3902 Inlets Median 2 Grate	1.000 EACH	_____.	_____.
0344	611.8110 Adjusting Manhole Covers	3.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0346	611.8115 Adjusting Inlet Covers	14.000 EACH	_____.	_____.
0348	611.8120.S Cover Plates Temporary	5.000 EACH	_____.	_____.
0350	611.9800.S Pipe Grates	3.000 EACH	_____.	_____.
0352	614.0905 Crash Cushions Temporary	1.000 EACH	_____.	_____.
0354	614.0935 Salvaged Sand Barrels	25.000 EACH	_____.	_____.
0356	616.0700.S Fence Safety	560.000 LF	_____.	_____.
0358	619.1000 Mobilization	1.000 EACH	_____.	_____.
0360	620.0300 Concrete Median Sloped Nose	2,070.000 SF	_____.	_____.
0362	624.0100 Water	1,467.000 MGAL	_____.	_____.
0364	625.0100 Topsoil	24,938.000 SY	_____.	_____.
0366	625.0500 Salvaged Topsoil	29,170.000 SY	_____.	_____.
0368	627.0200 Mulching	10,755.000 SY	_____.	_____.
0370	628.1104 Erosion Bales	16.000 EACH	_____.	_____.
0372	628.1504 Silt Fence	6,446.000 LF	_____.	_____.
0374	628.1520 Silt Fence Maintenance	8,644.000 LF	_____.	_____.
0376	628.1550 Silt Screen	30.000 LF	_____.	_____.
0378	628.1905 Mobilizations Erosion Control	7.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0380	628.1910 Mobilizations Emergency Erosion Control	16.000 EACH	_____.	_____.
0382	628.2006 Erosion Mat Urban Class I Type A	23,200.000 SY	_____.	_____.
0384	628.2008 Erosion Mat Urban Class I Type B	3,893.000 SY	_____.	_____.
0386	628.6505 Soil Stabilizer Type A	2.000 ACRE	_____.	_____.
0388	628.7005 Inlet Protection Type A	237.000 EACH	_____.	_____.
0390	628.7010 Inlet Protection Type B	33.000 EACH	_____.	_____.
0392	628.7015 Inlet Protection Type C	494.000 EACH	_____.	_____.
0394	628.7020 Inlet Protection Type D	36.000 EACH	_____.	_____.
0396	628.7504 Temporary Ditch Checks	620.000 LF	_____.	_____.
0398	628.7555 Culvert Pipe Checks	18.000 EACH	_____.	_____.
0400	628.7560 Tracking Pads	14.000 EACH	_____.	_____.
0402	628.7570 Rock Bags	50.000 EACH	_____.	_____.
0404	629.0205 Fertilizer Type A	34.000 CWT	_____.	_____.
0406	630.0140 Seeding Mixture No. 40	1,129.000 LB	_____.	_____.
0408	630.0200 Seeding Temporary	157.000 LB	_____.	_____.
0410	630.0500 Seed Water	958.000 MGAL	_____.	_____.
0412	631.0300 Sod Water	172.000 MGAL	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0414	631.1000 Sod Lawn	11,344.000 SY	_____.	_____.
0416	632.0101 Trees (species) (size) (root) 01. Trees, Carpinus Caroliniana 'JN Upright'	13.000 EACH	_____.	_____.
0418	632.0101 Trees (species) (size) (root) 02. Trees, Syringa Reticulata 'Ivory Silk'	18.000 EACH	_____.	_____.
0420	632.0101 Trees (species) (size) (root) 03. Trees, Ginkgo Biloba 'Princeton Sentry'	9.000 EACH	_____.	_____.
0422	632.0101 Trees (species) (size) (root) 04. Trees, Malus Royal Raindrops	17.000 EACH	_____.	_____.
0424	632.0101 Trees (species) (size) (root) 05. Trees, Gleditsia Triacanthos 'Shademaster'	4.000 EACH	_____.	_____.
0426	632.0101 Trees (species) (size) (root) 06. Trees, Crataegus Viridis ' Winter King'	18.000 EACH	_____.	_____.
0428	632.0101 Trees (species) (size) (root) 08. Trees, Picea Glauca Var Densata	9.000 EACH	_____.	_____.
0430	632.0101 Trees (species) (size) (root) 09. Malus 'Red Barron' B&B, 2-INCH CAL	3.000 EACH	_____.	_____.
0432	632.0101 Trees (species) (size) (root) 10. Amelachier X Grandiflora 'Autumn Brilliance' B&B, 7-FT HT	3.000 EACH	_____.	_____.
0434	632.0101 Trees (species) (size) (root) 11. Crataegus Laevigata 'Crimson Cloud' B&B, 2-INCH CAL	3.000 EACH	_____.	_____.
0436	632.0201 Shrubs (species) (size) (root) 01. Shrubs, Diervilla Lonicera 'Dwarf Bush'	144.000 EACH	_____.	_____.
0438	632.0201 Shrubs (species) (size) (root) 02. Shrubs, Juniperus Sabina 'Buffalo'	82.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0440	632.0201 Shrubs (species) (size) (root) 03. Shrubs, Rosa Rugosa 'Dwarf Pavement'	74.000 EACH	_____.	_____.
0442	632.0201 Shrubs (species) (size) (root) 04. Shrubs, Aronia Melanocarpa 'Morton'	56.000 EACH	_____.	_____.
0444	633.5200 Markers Culvert End	6.000 EACH	_____.	_____.
0446	634.0618 Posts Wood 4x6-Inch X 18-FT	283.000 EACH	_____.	_____.
0448	634.0622 Posts Wood 4x6-Inch X 22-FT	6.000 EACH	_____.	_____.
0450	634.0814 Posts Tubular Steel 2x2-Inch X 14-FT	68.000 EACH	_____.	_____.
0452	637.2210 Signs Type II Reflective H	2,937.015 SF	_____.	_____.
0454	637.2215 Signs Type II Reflective H Folding	313.320 SF	_____.	_____.
0456	637.2230 Signs Type II Reflective F	793.530 SF	_____.	_____.
0458	638.2102 Moving Signs Type II	20.000 EACH	_____.	_____.
0460	638.2602 Removing Signs Type II	242.000 EACH	_____.	_____.
0462	638.3000 Removing Small Sign Supports	215.000 EACH	_____.	_____.
0464	643.0300 Traffic Control Drums	364,511.000 DAY	_____.	_____.
0466	643.0410 Traffic Control Barricades Type II	2,591.000 DAY	_____.	_____.
0468	643.0420 Traffic Control Barricades Type III	72,318.000 DAY	_____.	_____.
0470	643.0500 Traffic Control Flexible Tubular Marker Posts	1,007.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0472	643.0600 Traffic Control Flexible Tubular Marker Bases	859.000 EACH	_____.	_____.
0474	643.0705 Traffic Control Warning Lights Type A	144,636.000 DAY	_____.	_____.
0476	643.0715 Traffic Control Warning Lights Type C	72,058.000 DAY	_____.	_____.
0478	643.0800 Traffic Control Arrow Boards	1,909.000 DAY	_____.	_____.
0480	643.0900 Traffic Control Signs	181,144.000 DAY	_____.	_____.
0482	643.0920 Traffic Control Covering Signs Type II	27.000 EACH	_____.	_____.
0484	643.1000 Traffic Control Signs Fixed Message	574.000 SF	_____.	_____.
0486	643.1050 Traffic Control Signs PCMS	465.000 DAY	_____.	_____.
0488	643.1070 Traffic Control Cones 42-Inch	22,153.000 DAY	_____.	_____.
0490	643.4100.S Traffic Control Interim Lane Closure	112.000 EACH	_____.	_____.
0492	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0494	644.1410 Temporary Pedestrian Surface Asphalt	2,605.000 SF	_____.	_____.
0496	644.1430 Temporary Pedestrian Surface Plate	2,645.000 SF	_____.	_____.
0498	644.1601 Temporary Pedestrian Curb Ramp	718.000 DAY	_____.	_____.
0500	644.1810 Temporary Pedestrian Barricade	2,635.000 LF	_____.	_____.
0502	645.0120 Geotextile Type HR	16.000 SY	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0504	645.0130 Geotextile Type R	30.000 SY	_____.	_____.
0506	646.1020 Marking Line Epoxy 4-Inch	48,654.000 LF	_____.	_____.
0508	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	15,837.000 LF	_____.	_____.
0510	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	5,105.000 LF	_____.	_____.
0512	646.3020 Marking Line Epoxy 8-Inch	2,442.000 LF	_____.	_____.
0514	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	8,077.000 LF	_____.	_____.
0516	646.4520 Marking Line Same Day Epoxy 4-Inch	19,972.000 LF	_____.	_____.
0518	646.4620 Marking Line Same Day Epoxy 8-Inch	2,091.000 LF	_____.	_____.
0520	646.5005 Marking Arrow Paint	2.000 EACH	_____.	_____.
0522	646.5020 Marking Arrow Epoxy	69.000 EACH	_____.	_____.
0524	646.5105 Marking Word Paint	2.000 EACH	_____.	_____.
0526	646.5120 Marking Word Epoxy	29.000 EACH	_____.	_____.
0528	646.5320 Marking Railroad Crossings Epoxy	6.000 EACH	_____.	_____.
0530	646.6120 Marking Stop Line Epoxy 18-Inch	1,034.000 LF	_____.	_____.
0532	646.6320 Marking Dotted Extension Epoxy 18-Inch	67.000 LF	_____.	_____.
0534	646.7120 Marking Diagonal Epoxy 12-Inch	942.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0536	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	3,616.000 LF	_____.	_____.
0538	646.7520 Marking Crosswalk Epoxy Block Style 24-Inch	271.000 LF	_____.	_____.
0540	646.8120 Marking Curb Epoxy	3,014.000 LF	_____.	_____.
0542	646.8220 Marking Island Nose Epoxy	33.000 EACH	_____.	_____.
0544	646.9000 Marking Removal Line 4-Inch	14,036.000 LF	_____.	_____.
0546	646.9100 Marking Removal Line 8-Inch	400.000 LF	_____.	_____.
0548	646.9300 Marking Removal Special Marking	7.000 EACH	_____.	_____.
0550	648.0100 Locating No-Passing Zones	1.940 MI	_____.	_____.
0552	649.0105 Temporary Marking Line Paint 4-Inch	39,023.000 LF	_____.	_____.
0554	649.0150 Temporary Marking Line Removable Tape 4-Inch	112,951.000 LF	_____.	_____.
0556	649.0205 Temporary Marking Line Paint 8-Inch	1,804.000 LF	_____.	_____.
0558	649.0250 Temporary Marking Line Removable Tape 8-Inch	5,621.000 LF	_____.	_____.
0560	649.0650 Temporary Marking Word Removable Tape	8.000 EACH	_____.	_____.
0562	649.0760 Temporary Marking Raised Pavement Marker Type I	423.000 EACH	_____.	_____.
0564	649.0805 Temporary Marking Stop Line Paint 18-Inch	144.000 LF	_____.	_____.



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0566	649.0850 Temporary Marking Stop Line Removable Tape 18-Inch	792.000 LF	_____.	_____.
0568	649.0960 Temporary Marking Removable Mask Out Tape 6-Inch	2,423.000 LF	_____.	_____.
0570	650.4000 Construction Staking Storm Sewer	247.000 EACH	_____.	_____.
0572	650.4500 Construction Staking Subgrade	15,113.000 LF	_____.	_____.
0574	650.7000 Construction Staking Concrete Pavement	13,344.000 LF	_____.	_____.
0576	650.8000 Construction Staking Resurfacing Reference	14,499.000 LF	_____.	_____.
0578	650.8500 Construction Staking Electrical Installations (project) 01. 2270-04-70	LS	LUMP SUM	_____.
0580	650.8500 Construction Staking Electrical Installations (project) 02. 2565-07-70	LS	LUMP SUM	_____.
0582	650.9000 Construction Staking Curb Ramps	89.000 EACH	_____.	_____.
0584	650.9910 Construction Staking Supplemental Control (project) 01. 2270-04-70	LS	LUMP SUM	_____.
0586	650.9910 Construction Staking Supplemental Control (project) 02. 2565-07-70	LS	LUMP SUM	_____.
0588	650.9920 Construction Staking Slope Stakes	16,356.000 LF	_____.	_____.
0590	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	11,900.000 LF	_____.	_____.
0592	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	6,492.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0594	652.0605 Conduit Special 2-Inch	156.000 LF	_____.	_____.
0596	652.0615 Conduit Special 3-Inch	1,970.000 LF	_____.	_____.
0598	652.0800 Conduit Loop Detector	11,992.000 LF	_____.	_____.
0600	653.0135 Pull Boxes Steel 24x36-Inch	67.000 EACH	_____.	_____.
0602	653.0140 Pull Boxes Steel 24x42-Inch	99.000 EACH	_____.	_____.
0604	653.0905 Removing Pull Boxes	87.000 EACH	_____.	_____.
0606	654.0101 Concrete Bases Type 1	39.000 EACH	_____.	_____.
0608	654.0102 Concrete Bases Type 2	11.000 EACH	_____.	_____.
0610	654.0105 Concrete Bases Type 5	47.000 EACH	_____.	_____.
0612	654.0110 Concrete Bases Type 10	10.000 EACH	_____.	_____.
0614	654.0120 Concrete Bases Type 10-Special	15.000 EACH	_____.	_____.
0616	654.0217 Concrete Control Cabinet Bases Type 9 Special	4.000 EACH	_____.	_____.
0618	654.0230 Concrete Control Cabinet Bases Type L30	1.000 EACH	_____.	_____.
0620	655.0230 Cable Traffic Signal 5-14 AWG	4,504.000 LF	_____.	_____.
0622	655.0240 Cable Traffic Signal 7-14 AWG	9,906.000 LF	_____.	_____.
0624	655.0260 Cable Traffic Signal 12-14 AWG	13,371.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0626	655.0270 Cable Traffic Signal 15-14 AWG	550.000 LF	_____.	_____.
0628	655.0320 Cable Type UF 2-10 AWG Grounded	9,943.000 LF	_____.	_____.
0630	655.0510 Electrical Wire Traffic Signals 12 AWG	8,111.000 LF	_____.	_____.
0632	655.0515 Electrical Wire Traffic Signals 10 AWG	15,803.000 LF	_____.	_____.
0634	655.0610 Electrical Wire Lighting 12 AWG	11,013.000 LF	_____.	_____.
0636	655.0615 Electrical Wire Lighting 10 AWG	11,347.000 LF	_____.	_____.
0638	655.0700 Loop Detector Lead In Cable	44,400.000 LF	_____.	_____.
0640	655.0800 Loop Detector Wire	46,196.000 LF	_____.	_____.
0642	655.0900 Traffic Signal EVP Detector Cable	7,644.000 LF	_____.	_____.
0644	656.0200 Electrical Service Meter Breaker Pedestal (location) 61. STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0646	656.0200 Electrical Service Meter Breaker Pedestal (location) 62. STH 57 & STH 100	LS	LUMP SUM	_____.
0648	656.0200 Electrical Service Meter Breaker Pedestal (location) 63. STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0650	656.0200 Electrical Service Meter Breaker Pedestal (location) 64. STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0652	656.0200 Electrical Service Meter Breaker Pedestal (location) 65. STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.



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0654	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 01. HL-40-GBT	LS	LUMP SUM	_____.
0656	657.0100 Pedestal Bases	2.000 EACH	_____.	_____.
0658	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	2.000 EACH	_____.	_____.
0660	657.0305 Poles Type 2	1.000 EACH	_____.	_____.
0662	657.0322 Poles Type 5-Aluminum	1.000 EACH	_____.	_____.
0664	657.0420 Traffic Signal Standards Aluminum 13-FT	2.000 EACH	_____.	_____.
0666	657.0610 Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	1.000 EACH	_____.	_____.
0668	658.0173 Traffic Signal Face 3S 12-Inch	12.000 EACH	_____.	_____.
0670	658.0174 Traffic Signal Face 4S 12-Inch	4.000 EACH	_____.	_____.
0672	658.5069 Signal Mounting Hardware (location) 61. STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0674	658.5069 Signal Mounting Hardware (location) 62. STH 57 & STH 100	LS	LUMP SUM	_____.
0676	658.5069 Signal Mounting Hardware (location) 63. STH 100 & N Kildeer Cr	LS	LUMP SUM	_____.
0678	658.5069 Signal Mounting Hardware (location) 64. STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0680	658.5069 Signal Mounting Hardware (location) 65. STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0682	658.5069 Signal Mounting Hardware (location) 66. STH 57 & Donges Bay Road	LS	LUMP SUM	_____.
0684	659.1125 Luminaires Utility LED C	4.000 EACH	_____.	_____.
0686	659.2230 Lighting Control Cabinets 240/480 30-Inch	1.000 EACH	_____.	_____.
0688	661.0200 Temporary Traffic Signals for Intersections (location) 61. STH 57 SB Ramps & STH 100	LS	LUMP SUM	_____.
0690	661.0200 Temporary Traffic Signals for Intersections (location) 62. STH 57 & STH 100	LS	LUMP SUM	_____.
0692	661.0200 Temporary Traffic Signals for Intersections (location) 63. STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0694	661.0200 Temporary Traffic Signals for Intersections (location) 64. STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0696	661.0300 Generators	4.000 DAY	_____.	_____.
0698	670.0100 Field System Integrator 61. STH 100 & STH 57 Traffic Signals	LS	LUMP SUM	_____.
0700	670.0200 ITS Documentation 61. STH 100 & STH 57 Traffic Signals	LS	LUMP SUM	_____.
0702	671.0122 Conduit HDPE 2-Duct 2-Inch	5,174.000 LF	_____.	_____.
0704	671.0222 Conduit HDPE Directional Bore 2-Duct 2-Inch	290.000 LF	_____.	_____.
0706	673.0105 Communication Vault Type 1	6.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70

Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0708	674.0300 Remove Cable	3,658.000 LF	_____.	_____.
0710	677.0200 Install Camera Assembly	5.000 EACH	_____.	_____.
0712	678.0036 Install Fiber Optic Cable Outdoor Plant 36-CT	8,398.000 LF	_____.	_____.
0714	678.0200 Fiber Optic Splice Enclosure	4.000 EACH	_____.	_____.
0716	678.0300 Fiber Optic Splice	92.000 EACH	_____.	_____.
0718	678.0500 Communication System Testing 61. STH 100 & STH 57 Traffic Signals	LS	LUMP SUM	_____.
0720	678.0600 Install Ethernet Switches	4.000 EACH	_____.	_____.
0722	678.0700 Install Wireless Antennas	1.000 EACH	_____.	_____.
0724	690.0150 Sawing Asphalt	3,876.000 LF	_____.	_____.
0726	690.0250 Sawing Concrete	13,228.000 LF	_____.	_____.
0728	715.0415 Incentive Strength Concrete Pavement	21,675.000 DOL	1.00000	21,675.00
0730	715.0502 Incentive Strength Concrete Structures	1,626.000 DOL	1.00000	1,626.00
0732	715.0710 Optimized Aggregate Gradation Incentive	63,624.000 DOL	1.00000	63,624.00
0734	999.2000.S Installing and Maintaining Bird Deterrent System (Station) 01. B-40-504	1.000 EACH	_____.	_____.
0736	999.2000.S Installing and Maintaining Bird Deterrent System (Station) 02. B-40-505	1.000 EACH	_____.	_____.



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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0738	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	6,400.000 HRS	5.00000	32,000.00
0740	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	17,280.000 HRS	4.98000	86,054.40
0742	SPV.0035 Special 01. Backfill Slurry	10.000 CY	_____.	_____.
0744	SPV.0035 Special 40. Shredded Hardwood Bark Mulch	290.000 CY	_____.	_____.
0746	SPV.0060 Special 01. Manholes 9-FT Special	1.000 EACH	_____.	_____.
0748	SPV.0060 Special 02. Manholes 10-FT Special	2.000 EACH	_____.	_____.
0750	SPV.0060 Special 03. Pipe Connection to Existing Structure	6.000 EACH	_____.	_____.
0752	SPV.0060 Special 05. Field Facilities Office Space	1.000 EACH	_____.	_____.
0754	SPV.0060 Special 06. Curb Ramp Grading, Shaping, and Finishing	17.000 EACH	_____.	_____.
0756	SPV.0060 Special 10. Sanitary Sewer Reinforced Concrete Collar 12-INCH	2.000 EACH	_____.	_____.
0758	SPV.0060 Special 11. Sanitary Sewer Reinforced Concrete Collar 21-INCH	2.000 EACH	_____.	_____.
0760	SPV.0060 Special 12. Reconstructing Village of Brown Deer Sanitary Manholes	1.000 EACH	_____.	_____.
0762	SPV.0060 Special 13. Adjusting Village of Brown Deer Sanitary Manhole Covers	4.000 EACH	_____.	_____.
0764	SPV.0060 Special 14. Adjusting Village of Brown Deer Water Boxes	14.000 EACH	_____.	_____.



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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
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SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0766	SPV.0060 Special 15. Adjusting City of Mequon Sanitary Manhole Covers	1.000 EACH	_____.	_____.
0768	SPV.0060 Special 16. Adjusting Mequon Water Utility Water Boxes	3.000 EACH	_____.	_____.
0770	SPV.0060 Special 17. Marking Contrast Epoxy Special Marking Arrow	23.000 EACH	_____.	_____.
0772	SPV.0060 Special 18. Marking Contrast Epoxy Special Marking Words	7.000 EACH	_____.	_____.
0774	SPV.0060 Special 19. Utility Line Opening (ULO)	12.000 EACH	_____.	_____.
0776	SPV.0060 Special 30. Tubular Railing Repair Type 1	3.000 EACH	_____.	_____.
0778	SPV.0060 Special 31. Tubular Railing Repair Type 2	3.000 EACH	_____.	_____.
0780	SPV.0060 Special 32. Tubular Railing Repair Type 3	1.000 EACH	_____.	_____.
0782	SPV.0060 Special 40. Masonry Pillar and Wall	1.000 EACH	_____.	_____.
0784	SPV.0060 Special 41. Perennials, Geranium X Cantabrigiense 'Karmina'	200.000 EACH	_____.	_____.
0786	SPV.0060 Special 42. Perennials, Panicum Virgatum 'Heavy Metal'	106.000 EACH	_____.	_____.
0788	SPV.0060 Special 43. Perennials, Nepeta 'Kit Cat'	156.000 EACH	_____.	_____.
0790	SPV.0060 Special 44. Perennials, Schizachyrium Scoparium 'Little Bluestem Grass'	215.000 EACH	_____.	_____.
0792	SPV.0060 Special 45. Perennials, Calamintha Nepeta 'Montrose White'	94.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0794	SPV.0060 Special 46. Perennials, Sporobolus Heterolepis 'Prairie Dropseed'	144.000 EACH	_____.	_____.
0796	SPV.0060 Special 47. Remove, Stockpile and Reinstall Municipal Monument Sign	1.000 EACH	_____.	_____.
0798	SPV.0060 Special 48. Select Stone Material 3'X4'X3'	219.000 EACH	_____.	_____.
0800	SPV.0060 Special 49. Select Stone Material 5'X3'X5'	10.000 EACH	_____.	_____.
0802	SPV.0060 Special 50. Artistic Panels	10.000 EACH	_____.	_____.
0804	SPV.0060 Special 51. Wayfinding Sign	1.000 EACH	_____.	_____.
0806	SPV.0060 Special 61. Concrete Control Cabinet Bases Type 9 Special Super P	1.000 EACH	_____.	_____.
0808	SPV.0060 Special 62. Pedestal Bases Black	43.000 EACH	_____.	_____.
0810	SPV.0060 Special 63. Transformer Bases Breakaway 11 1/2-Inch Bolt Circle Black	58.000 EACH	_____.	_____.
0812	SPV.0060 Special 64. Poles Type 3 Black	9.000 EACH	_____.	_____.
0814	SPV.0060 Special 65. Poles Type 5-Aluminum Black	49.000 EACH	_____.	_____.
0816	SPV.0060 Special 66. Traffic Signal Standards Aluminum 3.5-FT Black	1.000 EACH	_____.	_____.
0818	SPV.0060 Special 67. Traffic Signal Standards Aluminum 13-FT Black	16.000 EACH	_____.	_____.
0820	SPV.0060 Special 68. Traffic Signal Standards Aluminum 15-FT Black	17.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0822	SPV.0060 Special 69. Traffic Signal Standards Aluminum 10-FT Black	9.000 EACH	_____.	_____.
0824	SPV.0060 Special 70. Luminaire Arms Single Member 4-INCH Clamp 6-FT Black	14.000 EACH	_____.	_____.
0826	SPV.0060 Special 71. Luminaire Arms Single Member 4 1/2-INCH Clamp 6-FT Black	34.000 EACH	_____.	_____.
0828	SPV.0060 Special 72. Install Poles Type 9	3.000 EACH	_____.	_____.
0830	SPV.0060 Special 73. Install Poles Type 9-Special	9.000 EACH	_____.	_____.
0832	SPV.0060 Special 74. Install Poles Type 10	8.000 EACH	_____.	_____.
0834	SPV.0060 Special 75. Install Poles Type 10-Special	6.000 EACH	_____.	_____.
0836	SPV.0060 Special 76. Install Monotube Arms 20-FT	1.000 EACH	_____.	_____.
0838	SPV.0060 Special 77. Install Monotube Arms 25-FT	4.000 EACH	_____.	_____.
0840	SPV.0060 Special 78. Install Monotube Arms 30-FT	6.000 EACH	_____.	_____.
0842	SPV.0060 Special 79. Install Monotube Arms 35-FT Special	3.000 EACH	_____.	_____.
0844	SPV.0060 Special 80. Install Monotube Arms 40-FT Special	3.000 EACH	_____.	_____.
0846	SPV.0060 Special 81. Install Monotube Arms 45-FT Special	9.000 EACH	_____.	_____.
0848	SPV.0060 Special 82. Install Luminaire Arms Steel 15-FT	20.000 EACH	_____.	_____.
0850	SPV.0060 Special 83. Traffic Signal Face 3S 12- INCH Black	92.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0852	SPV.0060 Special 84. Traffic Signal Face 4S 12-INCH Black	34.000 EACH	_____.	_____.
0854	SPV.0060 Special 85. Pedestrian Signal Face 16-INCH Black	42.000 EACH	_____.	_____.
0856	SPV.0060 Special 86. Pedestrian Push Button Black	51.000 EACH	_____.	_____.
0858	SPV.0060 Special 87. Luminaires Utility LED C Black	85.000 EACH	_____.	_____.
0860	SPV.0060 Special 88. Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT Black	20.000 EACH	_____.	_____.
0862	SPV.0060 Special 89. Install Monotube Arms 45-FT	2.000 EACH	_____.	_____.
0864	SPV.0060 Special 90. Install Poles Type 12	2.000 EACH	_____.	_____.
0866	SPV.0085 Special 40. No Mow Fescue Mix	29.000 LB	_____.	_____.
0868	SPV.0090 Special 01. Heavy Duty Silt Fence	2,198.000 LF	_____.	_____.
0870	SPV.0090 Special 10. Sanitary Sewer Pipe Reinforced Concrete Class III 12-INCH	63.000 LF	_____.	_____.
0872	SPV.0090 Special 11. Sanitary Sewer Pipe Reinforced Concrete Class IV 21-INCH	101.000 LF	_____.	_____.
0876	SPV.0090 Special 40. Steel Edging Material	1,430.000 LF	_____.	_____.
0878	SPV.0090 Special 41. Compacted Gravel Leveling Course	20.000 LF	_____.	_____.
0880	SPV.0105 Special 01. Control of Water Storm Sewer	LS	LUMP SUM	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
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SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0886	SPV.0105 Special 12. Temporary Sanitary Sewer Bypass	LS	LUMP SUM	_____.
0888	SPV.0105 Special 61. Trnspt & Install State Furn Traffic Signal Cabinet STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0890	SPV.0105 Special 62. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & STH 100	LS	LUMP SUM	_____.
0892	SPV.0105 Special 63. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0894	SPV.0105 Special 64. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0896	SPV.0105 Special 65. Trnspt & Install State Furn Traffic Signal Cabinet STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0898	SPV.0105 Special 66. Trnspt Traffic Signals & Inter Lighting Materials STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0900	SPV.0105 Special 67. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & STH 100	LS	LUMP SUM	_____.
0902	SPV.0105 Special 68. Trnspt Traffic Signals & Inter Lighting Materials STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0904	SPV.0105 Special 69. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0906	SPV.0105 Special 70. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.



Proposal Schedule of Items

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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0908	SPV.0105 Special 71. Trnspt Traffic Signals & Inter Lighting Materials STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0910	SPV.0105 Special 72. Trnspt & Install State Furn EVP Heads STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0912	SPV.0105 Special 73. Trnspt & Install State Furn EVP Heads STH 57 & STH 100	LS	LUMP SUM	_____.
0914	SPV.0105 Special 74. Trnspt & Install State Furn EVP Heads STH 100 & N Kildeer Ct	LS	LUMP SUM	_____.
0916	SPV.0105 Special 75. Trnspt & Install State Furn EVP Heads STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0918	SPV.0105 Special 76. Trnspt & Install State Furn EVP Heads STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0920	SPV.0105 Special 77. Trnspt & Install State Furn EVP Heads STH 57 & Donges Bay Rd	LS	LUMP SUM	_____.
0922	SPV.0105 Special 79. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0924	SPV.0105 Special 80. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 57 & STH 100	LS	LUMP SUM	_____.
0926	SPV.0105 Special 81. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0928	SPV.0105 Special 82. Trnspt and Install S-F FO Cable Pigtail 8-CT STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0930	SPV.0105 Special 83. Trnspt and Install S-F Radar Detection System STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.



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Proposal ID: 20210914024 Project(s): 2150-00-72, 2270-04-70, 2565-07-70
Federal ID(s): WISC 2021442, N/A, WISC 2021441

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0932	SPV.0105 Special 84. Temporary EVP System STH 57 SB Ramps & STH 100	LS	LUMP SUM	_____.
0934	SPV.0105 Special 85. Temporary EVP System STH 57 & STH 100	LS	LUMP SUM	_____.
0936	SPV.0105 Special 86. Temporary EVP System STH 57 & N Deerwood Dr	LS	LUMP SUM	_____.
0938	SPV.0105 Special 87. Temporary EVP System STH 57 & W Schroeder Dr	LS	LUMP SUM	_____.
0940	SPV.0105 Special 88. Covering Traffic Signal Equipment STH 100 & N Deerbrook Trl	LS	LUMP SUM	_____.
0942	SPV.0165 Special 01. Construction Staking Sidewalk	79,608.000 SF	_____.	_____.
0944	SPV.0165 Special 30. PPC Beam Surface Repair	5.000 SF	_____.	_____.
0946	SPV.0195 Special 01. Excavation, Hauling, and Disposal of Creosote Contaminated Soil	3,587.000 TON	_____.	_____.
0948	SPV.0195 Special 02. Joint and Crack Repair	575.000 TON	_____.	_____.
0950	608.3012 Storm Sewer Pipe Class III-A 12-Inch	751.000 LF	_____.	_____.
0952	608.3015 Storm Sewer Pipe Class III-A 15-Inch	3,117.000 LF	_____.	_____.
0954	608.3018 Storm Sewer Pipe Class III-A 18-Inch	600.000 LF	_____.	_____.
0956	608.3024 Storm Sewer Pipe Class III-A 24-Inch	2,155.000 LF	_____.	_____.
0958	608.3036 Storm Sewer Pipe Class III-A 36-Inch	1,468.000 LF	_____.	_____.
Section: 0001			Total:	_____.

Total Bid: _____.



Wisconsin Department of Transportation

September 13, 2021

**Division of Transportation Systems
Development**

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

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

NOTICE TO ALL CONTRACTORS:

Proposal #24: 2565-07-70, WISC 2021442
Green Bay Rd, Village of Brown Deer
Teutonia Avenue Intersection
STH 57
Milwaukee County

2150-00-72
Brown Deer Road
STH 100, B-40-504, B-40-505
STH 100
Milwaukee County

2270-04-70, WISC 2021441
STH 57-Vil Brown Deer & City Mequon
Teutonia Avenue to Mequon Road
STH 57
Milwaukee & Ozaukee County

Letting of September 14, 2021

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
24	Material Stockpile and Equipment Storage.

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

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 03
2150-00-72, 2270-04-70, 2565-07-70
September 13, 2021

Special Provisions

24. Material Stockpile and Equipment Storage.

Replace entire article language with the following:

Submit a map showing all proposed material stockpile and equipment storage locations to the engineer 14 calendar days before either the preconstruction conference or proposed use, whichever comes first. Identify the purpose; length, width & height; and duration of material stockpile or equipment storage at each location. Do not stockpile material or store equipment until the engineer approves.

Material stockpiles and equipment storage shall be 3 feet from sidewalks and shall not inhibit intersection or driveway vision triangles.

END OF ADDENDUM