

HIGHWAY WORK PROPOSAL

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

Proposal Number: **009**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Lafayette	5245-02-72	WISC 2020533	Sth 11 - Mineral Point; County Shop Road To Minerva Street	STH 023
Lafayette	5245-02-75	N/A	Sth 11 - Mineral Point; County Shop Road To Minerva Street	STH 023

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: \$250,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: November 10, 2020 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code
Contract Completion Time October 01, 2022	<h3 style="margin: 0;">SAMPLE</h3> <h3 style="margin: 0;">NOT FOR BIDDING PURPOSES</h3>
Assigned Disadvantaged Business Enterprise Goal 8%	This contract is exempt from federal oversight.

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

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

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)

(Bidder Signature)

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

(Print or Type Bidder Name)

(Date Commission Expires)

(Bidder Title)

Notary Seal

Type of Work: Excavation, Base, HMA Pavement, Curb and Gutter, Sidewalk, Signs, Beam Guard, Pavement Marking, Storm Sewer, Sanitary Sewer, Water Main, Street Lighting, Retaining Walls, Bridge Deck Replacement, Culvert Extension, Plantings	For Department Use Only
Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

Effective with August 2015 Letting

BID PREPARATION

Preparing the Proposal Schedule of Items

A General

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

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

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

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

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

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

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

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

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

B Submitting Electronic Bids

B.1 On the Internet

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

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

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

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

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

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

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

C Waiver of Electronic Submittal

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

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

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

(Signature of Attorney-in-Fact)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

DECEMBER 2000

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

Instructions for Certification

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

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

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

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

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

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STSP'S Revised June 29, 2020

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Projects 5245-02-72 and 5245-05-75, STH 11 – Mineral Point, County Shop Road – Minerva St, STH 23, Lafayette 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 (20200629)

2. Scope of Work.

The work under this contract shall consist of excavation, grading, base aggregate, milling asphalt, HMA pavement, bridge construction, gravity retaining wall, MSE retaining wall, concrete curb and gutter, concrete sidewalk, storm sewer, landscaping, guardrail, pavement marking, sanitary sewer system components, water distribution system components 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.

Schedule of Operations and Construction Staging

Conform to the schedule of operations described below and as described under the Traffic article, unless modifications are approved in writing by the engineer.

Complete all work described below under detoured traffic conditions.

Stage 1 (North of the Pecatonica River – First Construction Season):

The construction activities described here shall be completed prior to beginning any other work north of Structure B-33-0007. Remove existing parking stall markings and no parking lines on the pavement of STH 23 SB between Structure B-33-0007 and Harriet Street. Construct a temporary lane widening between Cornelia Street and Harriet Street on the existing STH 23 SB lane. The widening will accommodate 11-foot wide lanes with 2-foot shy distance on both sides for local traffic bi-directional movements in Stage 2. Install temporary lane markings to delineate bi-directional traffic movements on STH 23 SB after existing parking stall markings have been removed between Structure B-33-0007 and Harriet Street and the temporary widening has been completed between Cornelia Street and Harriet Street.

Install temporary traffic signals, a temporary concrete barrier system and traffic control devices between the intersections of River Street/CTH F and Harriet Street and CTH F/Main Street prior to shifting all STH 23 traffic to the STH 23 SB lanes.

No on-street parking will be allowed on STH 23 north of the Pecatonica River during this stage.

Access will be maintained to businesses and properties on STH 23.

Stage 1 (South of the Pecatonica River – First Construction Season):

Begin work on the STH 23 lanes between the River Street/CTH F intersection and Structure B-33-0007. Proposed work on the STH 23 lanes includes: pavement removals, common excavation, contaminated soil removal, concrete sidewalk removals, underground water, sanitary and storm sewer improvements, select crushed material, base aggregate dense, HMA pavement, concrete pavement approach slab, concrete sidewalk, curb ramp improvements, lane markings, temporary signal conduit, guardrail and restoration. Work here may be done concurrently with the work described in the Stage 1 work north of the Pecatonica River.

Pedestrian Accommodations Stage 1 occurs during this stage of work. See plans for more details.

Access will be maintained to businesses and properties on STH 23.

Stage 2 (North of the Pecatonica River – First Construction Season):

After all STH 23 traffic has been shifted to the STH 23 SB lane, begin work on the STH 23 NB lane between Structure B-33-0007 and the Harriet Street and CTH F/Main Street intersection. Proposed work on the STH 23 NB lane includes: B-33-0007 NB lane superstructure removal, pavement removals, common excavation, contaminated soil removal, concrete sidewalk removals, lighting removals, underground water, sanitary and storm sewer improvements, select crushed material, base aggregate dense, HMA pavement, concrete pavement approach slab, concrete sidewalk, curb and gutter, curb ramp improvements, streetscaping, lighting, bridge deck construction and restoration.

Construct a temporary lane widening between Cornelia Street and Harriet Street on the proposed STH 23 NB lane after completing proposed improvements at this location. The widening will accommodate 11-foot wide lanes with 2-foot shy distance on both sides for local traffic bi-directional movements in Stage 3. Install temporary lane markings to delineate bi-directional traffic movements on STH 23 NB lanes after temporary widening has been completed between Structure B-33-0007 and Harriet Street.

Adjust the locations of the temporary traffic signals, the temporary concrete barrier system and traffic control devices between the intersections of River Street/CTH F and Harriet Street and CTH F/Main Street the north prior to shifting all STH 23 traffic to the STH 23 NB lane.

Pedestrian Accommodations Stage 2 occurs during this stage of work. See plans for more details.

No on-street parking will be allowed on STH 23 north of the Pecatonica River during this stage.

Access will be maintained to businesses and properties on STH 23.

Stage 3 (North of the Pecatonica River – First Construction Season):

After all STH 23 traffic has been shifted to the STH 23 NB lane, begin work on the STH 23 lanes between Structure B-33-0007 and the Minerva Street intersection. Proposed work on the STH 23 lanes includes: B-33-0007 SB lane superstructure removal, pavement removals, common excavation, contaminated soil removal, concrete pavement approach slab, concrete sidewalk removals, lighting removals, underground water, sanitary and storm sewer improvements, select crushed material, base aggregate dense, HMA pavement, concrete sidewalk, curb ramp improvements, streetscaping, lighting, bridge deck construction, box culvert construction, lane markings and restoration.

Pedestrian Accommodations Stage 3 occurs during this stage of work. See plans for more details.

No on-street parking will be allowed on STH 23 north of the Pecatonica River during this stage.

Access will be maintained to businesses and properties on STH 23.

Stage 4 (North of the Pecatonica River – First Construction Season):

Remove the temporary widening on the STH 23 NB lane between Cornelia Street and Harriet Street constructed in Stage 2. Construct STH 23 NB lane to the final cross section at this location. Complete all necessary work associated with constructing the STH 23 NB lane to the final cross section.

Open STH 23 to all traffic and remove detours by the interim completion date.

Access will be maintained to businesses and properties on STH 23.

Interim Completion Date

The contractor shall complete the work described above through Stage 4 and reopen STH 23 to through traffic prior to noon Friday, November 12, 2021.

If the contractor fails to complete the work through Stage 4 and reopen STH 23 to through traffic by Thursday, November 11, 2021, the department will assess the contractor \$1,985 in interim liquidated damages for each calendar day the road remains closed to through traffic after 12:01 AM Friday, November 12, 2021. An entire calendar day will be charged any period or time within a calendar day that this work remains incomplete beyond 12:01 AM.

Winter Shutdown

Winter shutdown will commence with the completion of Stage 4 in the Fall of 2021. Do not resume work until April 1, 2022 unless approved by the engineer. Provide a start date in writing at least 14 days prior to the planned recommencement of work in 2022. Upon approval the engineer will issue the notice to proceed within 10 days of the approved start date.

Complete all work described below under detoured traffic conditions. Re-establish the detours as show in the plans for Stage 5.

Stage 5 (South of the Pecatonica River – Second Construction Season):

Begin work on the STH 23 lanes between the County Shop Road intersection and the River Street/CTH F intersection. Proposed work on the STH 23 lanes includes: clearing and grubbing, pavement removals, common excavation, rock excavation, concrete sidewalk removals, underground water, sanitary and storm sewer improvements, select crushed material, base aggregate dense, HMA pavement, concrete pavement, concrete sidewalk, curb ramp improvements, gravity retaining walls, MSE retaining walls, concrete steps, lane markings, guardrail and restoration.

Roadway excavation, underground utility and aggregate operations will be limited to two to three working block lengths (e.g., Hill Street to Wisconsin Street) at a time between 1050' north of the County Shop Road intersection to the River Street/CTH F intersection. Other operations can begin/resume (sidewalk, curb and gutter, HMA pavement, etc.) when working length restrictions are lifted.

The roadway section between County Shop Road intersection and 1050 feet north of County Shop intersection does not have working length restrictions.

Pedestrian Accommodations Stage 5 occurs during this stage of work. See plans for more details.

No on-street parking will be allowed on STH 23 south of the Pecatonica River during this stage.

Access will be maintained to businesses and properties on STH 23.

Pedestrian Access

Maintain existing sidewalk and provide pedestrian access to residents and businesses on STH 23 at all times, except as permitted herein. Provide and maintain existing and temporary pedestrian crosswalk access as shown in the plans and included in this article. If the engineer determines that additional temporary crosswalk locations are needed, provide them at locations as directed by the engineer. Existing sidewalk, temporary pedestrian surface and crosswalks shall meet the requirements of the Americans with Disabilities Act Accessibility Guidelines (ADAAG) and shall consist of existing or finish pavement surface or temporary surface. Gravel or base course material is not acceptable. The contract includes work items for Temporary Pedestrian Surface Asphalt, Temporary Pedestrian Surface Plywood, Temporary Pedestrian Curb Ramp, and Temporary Pedestrian Barricade to provide this access. Use these items to maintain crosswalks as detailed in the plans or directed by the engineer.

During winter shutdown between Stage 4 and Stage 5, all sidewalks are to remain open for pedestrians.

Blanchard's Cricket Frog

Blanchard's Cricket Frog removals will be conducted in the disturbance footprint by a qualified biologist with a valid state Endangered/Threatened Species Permit prior to each work day/restoration activity. Coordinate with WisDOT Central Office two weeks in advance of construction activities to schedule a qualified biologist to be on site during construction activities. The biologist will be contracted through a master contract with the department at the department's cost. Contact Alyssa Barrette, EARS Advanced, at alyssa.barrette@dot.wi.gov or (608) 266-1017. All Blanchard's Cricket Frogs (and preferably other amphibians and reptiles) found will be immediately removed from the disturbance area and relocated to suitable habitat at least 100 meters downstream from the project site. If Blanchard's Cricket Frogs are found on the first walk-through of the area, a second walkthrough will be conducted. This process should continue until the biologist feels confident he/she has removed as many Blanchard's Cricket Frogs as possible from the disturbance area. All Blanchard's Cricket Frogs removed will be recorded (total number

removed per walkthrough, i.e., 2 Blanchard's Cricket Frogs removed on first walk-through, 1 Blanchard's Cricket Frog removed on second walk-through and 0 Blanchard's Cricket Frogs removed on third walk-through) and reported to the ER Transportation Liaison (stacy.rowe@wisconsin.gov) on a weekly basis. For a sample data sheet that can be used for reporting, see http://dnr.wi.gov/topic/ERReview/documents/CA_SpeciesRemovalDatasheet.pdf.

All dead amphibians and reptiles found onsite will be recorded (species, approximate age, possible cause of death), photographed, and reported to the ER Transportation Liaison (stacy.rowe@wisconsin.gov) at the conclusion of the project. For a sample data sheet that can be used for reporting, see http://dnr.wi.gov/topic/ERReview/documents/CA_SpeciesRemovalDatasheet.pdf

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.

Fish Spawning

There shall be no instream disturbance of the Pecatonica River as a result of construction activity under or for this contract, from February 1 to April 15, both dates inclusive, in order to avoid adverse impacts upon the spawning of walleye and catfish.

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.

4. Traffic.

General Requirements

The contractor is responsible for all traffic control and devices for the Project from commencement of its work until completion. The contractor must conform to the Manual of Uniform Traffic Control Devices (MUTCD) and the requirements of the Wisconsin Department of Transportation. Allow one lane of traffic to remain open at all times in all work areas for emergency vehicle accessibility.

STH 23 from County Shop Road to W. Minerva Street will be closed to through traffic, and traffic detoured using state and county trunk highways. STH 23 from County Shop Road to W. Minerva Street will be open to local traffic only. Do not close adjacent intersections on STH 23 at the same time, unless approved by the engineer. Do not close adjacent city blocks of STH 23 during the same time period, unless approved by the engineer.

Conduct all operations in a manner that will cause the least interference to traffic movements. Use drums or barricades to protect hazards in the work zone, such as exposed manholes, removed sidewalk areas, or drop-offs for vehicles and pedestrians.

Provide and maintain at least one access to businesses along the Project at all times. Maintain local vehicular access to driveways and side streets at all times during the construction period. If access needs to be eliminated due to construction operations, notify the engineer and property owner or occupant of the property at least 24 hours prior to closing a driveway access. Schedule and conduct construction operations in such a manner so as not to deny access to driveways for a period longer than three calendar days.

Perform work in such a manner to ensure pedestrian access to adjacent residents and businesses at all times. At the direction of the engineer, temporary sidewalk shall be constructed to replace removed concrete sidewalks.

Do not park or store equipment or material not being used during actual performance of the work within the right-of-way unless otherwise approved by the engineer.

Equip all vehicles and equipment which are operated on the roadway pavement or shoulders with a flashing yellow light that operates when the vehicle is operating at speeds less than the speed of normal traffic.

Notify the engineer if there are any changes in the schedule, early completions, or cancellations of scheduled work. Coordinate all arrangements for handling traffic with the engineer before work is started on a new stage of construction that will change the traffic pattern existing at the time. Ensure that all traffic control devices are in place and approved by the engineer before beginning each stage.

Detour

Detour traffic as shown on the plans. Through traffic will be detoured from STH 23 between County Shop Road and Minerva Street to complete the necessary improvements. The proposed detour will use STH 81 west to STH 126 north to USH 151 north to STH 39 south to STH 23 south, and the reverse direction.

Through traffic will be detoured from STH 81 between County Shop Road and Louisa Street to complete the necessary improvements. The proposed detour will use STH 23 south to STH 11 east to STH 78 north to STH 81 east, and the reverse direction.

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 less than 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 or greater)	MINIMUM NOTIFICATION
Lane and shoulder closures	3 business days
Ramp closures	3 business days
Modifying all closure types	3 business days

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

5. Holiday Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying STH 23 and STH 81 traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday periods:

- From noon Friday, May 28, 2021 to 6:00 AM Tuesday, June 1, 2021 for Memorial Day;
- From noon Friday, July 2, 2021 to 6:00 AM Tuesday, July 6, 2021 for Independence Day;
- From noon Friday, July 16, 2021 to 6:00 AM Monday, July 19, 2021 for the Lafayette County Fair. This date/time restriction will be adjusted as necessary to reflect the final fair schedule.
- From noon Friday, September 3, 2021 to 6:00 AM Tuesday, September 7, 2021 for Labor Day;
- From noon Friday, November 19, 2021 to 6:00 AM Monday, November 29, 2021 for gun deer season opening weekend and Thanksgiving.
- 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, July 15, 2022 to 6:00 AM Monday, July 18, 2022 for the Lafayette County Fair. This date/time restriction will be adjusted as necessary to reflect the final fair schedule.
- From noon Friday, September 2, 2022 to 6:00 AM Tuesday, September 6, 2022 for Labor Day.
- From noon Friday, November 18, 2022 to 6:00 AM Monday, November 28, 2022 for gun deer season opening weekend and Thanksgiving.

stp-107-005 (20181119)

6. Utilities.

This project comes under the provisions of Wisconsin Administrative Code Ch. Trans 220.

stp-107-065 (20080501)

There are underground and overhead utility facilities located within the project limits. Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per statutes. Use caution to ensure the integrity of underground facilities and maintain code clearances from overhead facilities at all times. Additional information regarding the location of relocated utility facilities is available in the work plans provided by each utility company or on the permits issued to them. These documents can be viewed at the Department's Southwest Region Madison Office during normal working hours.

Projects 5245-02-72 and 5245-02-75:

Alliant Energy – Electric will be relocating underground and overhead lines along the entire project.

Install new poles and move line from existing poles:

Between Station 20'NB'+20 RT and Station 22'NB'+65 RT

Between Station 24'NB'+80 RT and Station 30'NB'+30 RT

- Station 33+35 and Station 35+30 RT; Station 37+00 and Station 40+45 RT; Station 41+70 LT and Station 43+05 LT; Station 44+10 and 49+00 RT.
- Station 54+05 NB RT; Station 70+35 NB RT; Station 71+05 NB RT; Station 74+55 LT; Station 78+55 RT; Station 81+05 RT.

Verify depth of underground crossings at:

- approximately Station 70+35, Station 73+20, Station 74+60

Work is expected to take 60 days and will be completed by the utility owner prior to construction.

Alliant Energy – Gas/Petroleum The following will be done by the utility company prior to construction:

Replace 4" steel with a 6" plastic gas main between Station 8'CH'+61, 27' LT and Station 8'CH'+61, 28' RT.

Install a new 6" plastic gas main:

- Between approximate Stations 21'NB'+56, 34' RT, and 49'NB'+27, 73' RT.
- crossing Kennedy Dr. to Station 26'NB'+92, 24' RT, continue 24'-28' RT. to Station 33'NB'+00 28' RT, to approximately Station 36'NB'+06, 41' RT.

Install a 2" plastic gas main crossings at:

- Station 32'NB'+71 and tying into Huntington Ct. (North intersection)

- Station 42'NB'+59 (at Ravine St.)
- Station 45'NB'+65
- Station 77'NB'+38
- Station 81'NB'+30

Install a 2" plastic gas main between Stations 46'NB'+87, 32' LT and 48'NB'+69, 30' LT and connect to the existing 2" gas main on the west side of CTH F.

Replace 4" gas main crossing Cornelia St. between approximately Station 64'NB'+43 from 67' LT to 53' RT.

Install ½" steel service lines at approximate Stations:

- Station 21'NB +30, Station 22'NB + 95, Station 23'NB+45, Station 25'NB +29, Station 26'NB+30, Station 26'NB+75, Station 27'NB+70, Station 34'NB+ 52, Station 35'NB+65, Station 38'NB+ 43, Station 40'NB+12, Station 41'NB+45, Station 76'NB+55, Station 76'NB+95, Station 78'NB+59 and Station 79'NB+55.

Discontinue and purge gas left in place:

- 6" gas main between Station 21'NB'+56, 34' RT, and Station 49'NB'+27, 73' RT.
- 4" gas main crossing at Stations 21'NB+49, Station 64'NB+40 and Station 80'NB+85.
- 2" gas main crossing at Stations 32'NB+97, Station 42'NB+56, Station 45'NB+72, Station 47'NB+84, Station 74'NB+54, Station. 77'NB+49.
- 2" gas main between Stations 72'NB'+09 and 11'HW'+21.
- ¾" service line crossing at Station 46'NB+84.

Work is expected to take 45 days and will be completed prior to construction.

CenturyLink – Communication Line will be relocating overhead lines jointly with Alliant Energy from 19+00 to 50+00. They will also install new handholes in the terrace at Station 26+00 RT and at Station 36+00 RT. This work by the utility owner will begin in Fall of 2020 and is expected to take 90 days and will be completed prior to construction.

City of Darlington – Sewer work is a part of this contract.

City of Darlington – Water work is a part of this contract.

Mediacom Wisconsin LLC – Communication Line will be relocating overhead and underground facilities from Station 21'NB'+60 to Station 49'NB'+00.

Existing overhead lines will be moved from current poles to new poles installed by Alliant Energy.

This work by the utility is expected to start 5 days after the pole line completed by Alliant Energy and to take 7 working days. Work will be completed prior to construction.

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

ATC Management Inc. – Electric has overhead facilities located on the project. Maintain a safe working clearance to the 138kV conductors at all times based on the latest OSHA requirements.

Windstream KDL LLC – Communication Line has overhead facilities located on the project.

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

The department, City of Darlington, and the City of Darlington's consultant, will inspect construction of sanitary sewer and water main under this contract. The City of Darlington's consultant will provide the construction staking. Testing is to be done by contractor with inspectors' present. Final acceptance of the sanitary sewer and water main construction will be by the City of Darlington.

stp-105-001 (20140630)

8. Referenced Construction Specifications.

Construct the work enumerated below conforming to the Standard Specifications for Sewer and Water Construction in Wisconsin", Sixth Edition, December 22, 2003 with Addendum No. 1, December 22, 2004. 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 items.
- Water main items.

stp-105-002 (20130615)

9. Other Contracts/Work by Others.

The contractor shall coordinate its construction schedule and operations with the owner, engineer, the Wisconsin Department of Transportation, emergency services, utility companies, and other contractors that may need to perform Work within the Project area.

The contractor shall coordinate all utility connections for water mains, opening and closing of water valves, and water service connections with the City Public Works Department. The contractor shall also be responsible for coordinating all water service connections to the existing services with individual property owners.

The contractor shall be responsible for contacting and coordinating utility activities. Digger's Hotline, 1 (800) 242-8511, must be notified by the contractor a minimum of 72 hours prior to starting construction. All property owners shall be contacted 72 hours, and again 24 hours, in advance of an interruption in utility service. Sanitary sewer and water service may not be interrupted for a period exceeding two hours, unless prior approval is obtained from the property owner or the City Public Works' Department. When requesting water valve operation, the contractor shall give 24-hour notice to the City Public Works' Department.

Lead and galvanized water services must be replaced to inside buildings, houses, and structures within the Project area. The property owner is responsible to replace existing water service from end of new curb stop to inside their building, house, or structure. Contractor must coordinate water service replacement with property owner's private contractor. The following property addresses have existing lead or galvanized water services:

- 209/211 Main Street
- 206/208 Main Street
- 210/212 Main Street
- 214/216 Main Street
- 213/215/217 Main Street
- 218/222 Main Street
- 226 Main Street
- 229 Main Street
- 228 Main Street
- 232 Main Street
- 243 Main Street
- 238 Main Street
- 245 Main Street
- 122 W. Ann Street
- 112 E. Ann Street
- 301/303/305 Main Street

- 306 Main Street
- 308/310 Main Street
- 314 Main Street
- 316 Main Street
- 319 Main Street
- 325 Main Street
- 320 Main Street
- 324/326 Main Street
- 327/329 Main Street
- 331/333 Main Street
- 328/330 Main Street
- 336 Main Street
- 343 Main Street
- 345 Main Street
- 411 Main Street
- 408/412 Main Street
- 414/416 Main Street
- 413 Main Street
- 424/428 Main Street
- 430/432 Main Street
- 434/436 Main Street
- 447/449 Main Street

The contractor shall be responsible for contacting and coordinating access needs of property owners. The contractor shall contact property owners if vehicular access will be eliminated for a period of more than 12 consecutive hours. The property owner shall be contacted at least 24 hours in advance of such access closure.

Prior to the preconstruction conference, the contractor shall submit a written plan for providing and maintaining contract supervision through the life of the contract. This plan shall include names and telephone numbers of the individuals responsible.

Project 5245-02-76, STH 11 - Mineral Point, Minerva Street to Water Street, STH 23, Lafayette County, Wisconsin under a department contract. Work under this contract includes milling of asphaltic HMA pavement, paved shoulder widening, HMA pavement, base aggregate dense, removing existing box culvert B-25-0001 and replacing with a new bridge structure, rumble strips and lane markings. Please contact WisDOT project manager Lalitha Balachandran at (608) 243-3382, lalitha.balachandran@wi.dot.gov and coordinate with the 5245-02-76 contractor. 5245-02-76 is intending to use the STH 23 detour established on the 5245-02-72/75 project to complete the necessary work.

10. Coordination with City of Darlington.

Unless otherwise indicated in the plans, all city-owned signs, benches, trash cans, and mailboxes will be removed by the city prior to construction. Verify with engineer and city representative before removing any city-owned devices. The contractor will be responsible for any damage caused to city-owned devices removed without approval of the engineer and the city.

The existing asphalt pavement is underlain with paving brick from approximately Station 52+33 to Station 64+40. The city has requested some of these bricks be stockpiled for future city use. Prior to removal of the paving bricks, coordinate with Jeremy Williams, Director of Public Works, (608) 776-4973. This work is incidental to other removal items. Existing brick pavers in areas of existing sidewalk are not subject to this provision and will be paid for as Removing Concrete Sidewalk.

11. Railroad Insurance and Coordination – Pecatonica Rail Transit Commission.

A Description

Comply with standard spec 107.17 for all work affecting Pecatonica Rail Transit Commission property and any existing tracks/trails.

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 Pecatonica Rail Transit Commission and Tri-County Trail Commission.

Notify evidence of the required coverage, and duration to Matthew Honer, Associate Planner; Southwestern Wisconsin Regional Planning Commission, PO Box 62, Platteville, WI 53818; Telephone (608) 342-1637; Cell (608) 335-7341; E-mail: m.honer@swwrpc.org; and Tom Jean, Lafayette County Highway Commissioner; Lafayette County Highway Department, 12016 Hill Street, PO Box 100, Darlington, WI 53530; Telephone (608) 776-4919; E-mail: tom.jean@lafayettecountywi.org.

Also send a copy to the following: Teri Beckman, SW Madison Region Railroad Coordinator; 2101 Wright Street, Madison, WI 53704; Telephone (608) 733-1923; E-mail: teri.beckman@dot.wi.gov.

Include the following information on the insurance document:

- Project ID: 5245-02-72/75
- Project Location: Darlington, WI
- Route Name: STH 23, Lafayette County
- Crossing ID: Cheese Country Trail at WIS 23 and Ann Street Intersection
- Work Performed: Pavement replacement of STH 23 lanes, water, sanitary and stormwater utility replacements, concrete sidewalk replacement, overhead lighting replacements, curb ramp improvements and lane markings.

A.2 Names and Addresses of Railroad Representatives for Consultation and Coordination

Construction Contact

Matthew Honer, Associate Planner; Southwestern Wisconsin Regional Planning Commission, PO Box 62, Platteville, WI 53818; Telephone (608) 342-1637; Cell (608) 335-7341; E-mail: m.honer@swwrpc.org for consultation on railroad/trail 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/commission.

Flagging Contact

See Construction Contact. Reference the Crossing ID found in A.1.

Cable Locate Contact

In addition to contacting Diggers Hotline, contact Matthew Honer, Associate Planner; Southwestern Wisconsin Regional Planning Commission, PO Box 62, Platteville, WI 53818; Telephone (608) 342-1637; Cell (608) 335-7341; E-mail: m.honer@swwrpc.org, five working days before the locate is needed. Reference the Crossing ID found in A.1.

Pecatonica Rail Transit Commission will only locate railroad/trail owned facilities located in the railroad/trail right-of-way. The commission does not locate any other utilities.

A.3 Work by Railroad/Commission

The railroad/commission 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.4 Temporary Authorization Permit

Contact Matthew Honer, Associate Planner; Southwestern Wisconsin Regional Planning Commission, PO Box 62, Platteville, WI 53818; Telephone (608) 342-1637; Cell (608) 335-7341; E-mail: m.honer@swwrpc.org for a copy the permit required to perform work within the Pecatonica Rail Transit Commission property.

The temporary authorization permit must be approved by the Pecatonica Rail Transit Commission prior to work within the railroad/trail right-of-way. The scheduled dates for PRTC meetings are January 22, 2021; April 23, 2021; July 23, 2021; and October 22, 2021. Complete the permit and send, along with evidence of required insurance, to Matthew Honer at least 15 days prior to the meeting date.

Upon approval from the Pecatonica Rail Transit Commission, send a copy of the approved permit to the following: Teri Beckman, SW Madison Region Railroad Coordinator; 2101 Wright Street, Madison, WI 53704; Telephone (608) 733-1923; E-mail: teri.beckman@dot.wi.gov.

Include the approved permit on the wage board on the construction site when construction begins.

12. 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 Lalitha Balachandran at (608) 243-3382. Post the permit in a conspicuous place at the construction site.

stp-107-056 (20180628)

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

John Roelke, License Number All-119523, inspected Structure B-33-7 for asbestos on 11/24/2015. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: Lalitha Balachandran, (608) 243-3382.

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 to Sharlene TeBeest, (608) 266-1476 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-33-7, STH 23-STH 81-Main St over the Pecatonica River
- Site Address: 0.8M E JCT STH 81 TO W
- Ownership Information: WisDOT Transportation SW Region, 2101 Wright St, Madison, WI, 53704
- Contact: Lalitha Balachandran
- Phone: (608) 243-3382
- Age: 52 years old. This structure was constructed in 1968.
- Area: 8772 SF of deck

Insert the following paragraph in Section 6.g.:

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

stp-107-125 (20120615)

14. **Notice to Contractor, Notification of Demolition and/or Renovation No Asbestos Found.**

John Roelke, License Number All-119523, inspected Structure C-33-1 for asbestos on 03/07/2016. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: Lalitha Balachandran, (608) 243-3382.

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 to Sharlene TeBeest, (608) 266-1476 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 C-33-1, STH 23 over Drainage.
- Site Address: 0.2mi. N CTH 'F' East
- Ownership Information: WisDOT Transportation SW Region, 2101 Wright St, Madison, WI, 53704
- Contact: Lalitha Balachandran
- Phone: (608) 243-3382
- Age: 72 years old. This structure was constructed in 1948.
- Area: 391 SF of deck

Insert the following paragraph in Section 6.g.:

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

stp-107-125 (20120615)

15. **Environmental Protection, Dewatering**

Supplement standard spec 107.18 as follows:

If dewatering is required, treat the water to remove suspended sediments by filtration, settlement or other appropriate best management practice prior to discharge. The means and methods proposed to be used during construction shall be submitted for approval as part of the Erosion Control Implementation Plan for dewatering at each location it is required. The submittal shall also include the details of how the intake will be managed to not cause an increase in the background level turbidity prior to treatment and any additional erosion controls necessary to prevent sediments from reaching the project limits or wetlands and waterways. Guidance on dewatering can be found on the Wisconsin Department of Natural Resources website located in the Storm Water Construction Technical Standards, Dewatering Code #1061, "Dewatering". This document can be found at the WisDNR website:

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

The cost of all work and materials associated with water treatment and/or dewatering is incidental to the bid items the work is associated.

16. **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 infested 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)

17. Construction Over or Adjacent to Navigable Waters.

The Pecatonica River is classified as a federal navigable waterway under standard spec 107.19.

stp-107-060 (20171130)

Navigation Concerns During Construction:

The bridge should be designed to maintain the existing navigation; however, new navigational buoys may be required to ensure long-term safety is maintained.

This reach of Pecatonica River is used by recreational watercraft. It will be necessary to place navigational aids around the construction area during construction. A Waterway Marker Application and Permit is required for both types of navigational markers (informational vs. control/restrictive) prior to construction. A local ordinance will also be required for buoys that control or restrict navigation. Adequate time should be allowed for the passage of an ordinance with the local municipality. A local ordinance is not required for informational navigational aids (a waterway marker permit is required). DNR will determine which type of navigational aids are needed according to the project design and methods used during construction. The general steps for submission of a Waterway Marker Application and Permit are as follows:

- Please fill out the Waterway Marker Application and Permit form:
<https://dnr.wi.gov/files/PDF/forms/8700/8700-058.pdf>
- The Wisconsin Department of Transportation should be listed as the applicant.
- Be sure to include an aerial map-diagram or engineered-diagram of the work location and the placement of the waterway markers (buoys). If proposed GPS coordinates for each buoy are not provided, then markers placed on the diagram must show distance (in feet) from each marker location and from one permanent fixture as a benchmark.
- Provide the completed application/permit to the local municipality having jurisdictional authority over the area in which the waterway markers will be placed. If an ordinance is required, consult with the local municipality regarding their ordinance process.
- Forward the signed application/permit to myself as well as the Boating Program Specialist:

Penny Kanable
Wisconsin Dept. of Natural Resources
101 S Webster Street - LE/8 Madison WI 53703

The Boating Program Specialist will communicate with the local Warden and Recreational Safety Warden in processing and finalizing the permit. If the permit application is incomplete or additional information is needed the Boating Program Specialist will work with DNR's Regional DOT Liaison to resolve.

- Permanent Navigation Aids: The process outlined above will also apply to the placement of permanent navigational aids. This includes modifications, additions or temporary relocations of existing navigational aids. The locations of existing buoys (or other navigational aids) must be included in the permit application.

18. Erosion Control Structures.

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

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

stp-107-070 (20191121)

19. Hauling Restrictions.

All haul routes within the city limits must be approved by the City of Darlington prior to usage by the contractor. The preferred haul routes to be utilized throughout the Village are on STH 23, STH 81, and CTH F. The contractor shall not operate construction equipment on non-truck routes and residential city streets beyond the construction limits. The contractor is responsible for locating all disposal sites and all necessary permitting required with regards to the disposal sites.

20. Public Convenience and Safety.

Revise standard spec 107.8(6) as follows:

Check for and comply with local ordinances governing the hours of operation of construction equipment. Do not operate motorized construction equipment from 8:00 PM until the following 6:00 AM, unless prior written approval is obtained from the engineer.

stp-107-001 (20060512)

Replace standard spec 107.8(4) with the following:

Notify the following organizations and departments as least 2 business days before road closures, land closures, or detours are put into effect:

City of Darlington: Jeremy Williams, DPW, (608) 776-4973

Lafayette County Highway Department: Tom Jean, Commissioner, (608) 776-4919

Lafayette County Sherriff's Department: (608) 776-4870

Darlington Police Department: (608) 776-4981

Wisconsin State Patrol DeForest Post: (608) 846-8500

Darlington Community School District: (608) 776-2006

USPS Darlington Post Office: (608) 776-2436

Rural Medical Ambulance: (608) 776-3687

Darlington Community Fire Department: (608) 776-4196

21. Coordination with Businesses and Residents.

The department will arrange and conduct a meeting between the contractor, the department, affected residents, local officials and business people to discuss the project schedule of operations including vehicular and pedestrian access during construction operations. Hold the first meeting at least one week before the start of work under this contract and hold one meeting per month thereafter. The department will arrange for a suitable location for meetings that provides reasonable accommodation for public involvement. The department will prepare and coordinate publication of the meeting notices and mailings for meetings. The contractor shall schedule meetings with at least two weeks' prior notice to the engineer to allow for these notifications.

Do not close any driveway for more than 5 days total. Provide residents and property owners at least seven days' written notice prior to driveway closure. Driveways 20' or greater in width, as measured at the back of sidewalk or, in absence of existing or proposed sidewalk, at the construction limit of the driveway, may be constructed one half at a time.

22. Notice to Contractor, Delivery Lead Time of Materials.

The contractor shall order all Slip-In Inline Check Valves for the project in advance to ensure enough lead time for shop drawing submittals, manufacturing processes and freight deliveries to avoid project delays. Delivery may take up to 12 weeks from the date the order is submitted. Coordinate with the supplier(s) of these items to facilitate these efforts.

23. Removing Old Structure Over Waterway With Minimal Debris Station 28'BR'+94, Item 203.0600.S.

Conform to standard spec 203 as modified in this special provision.

Add the following to standard spec 203:

203.3.6 Removals Over Waterways and Wetlands

203.3.6.2 Removing Old Structure Over Waterway with Minimal Debris

- (1) Remove the existing Structure B-33-7 over the Pecatonica River in large sections and conforming to the contractor's approved structure removal and clean-up plan. During superstructure removal, prevent all large pieces and minimize the number of small pieces from entering the waterway or wetland. Remove all reinforcing steel, all concrete, and all other debris that falls into the waterway or wetland. The contractor may leave limited amounts of small concrete pieces scattered over the waterway floor or wetland only if the engineer allows.
- (2) Submit a structure removal and clean-up plan as part of the erosion control implementation plan required under standard spec 107.20. Do not start work under the structure removal and clean-up plan without the department's written approval of the plan. Include the following information in the structure removal and clean-up plan:
 - Methods and schedule to remove the structure.
 - Methods to control potentially harmful environmental impacts.
 - Methods for superstructure removal that prevent all large pieces and minimize the number of small pieces from entering the waterway or wetlands.
 - Methods to control dust and contain slurry.
 - Methods for removing piers and abutments. If blasting in water, include restrictions that regulatory agencies and the contract require.
 - Methods for cleaning the waterway or wetlands.
- (3) If stockpiling spoil material, place it on an upland site an adequate distance from the waterway, wetland, or any open water created by excavation. Install silt fence between the spoil pile and the waterway, wetland, or excavation site.

Add the following Removing Old Structure bid item to standard spec 203.5.1:

ITEM NUMBER	DESCRIPTION	UNIT
203.0600.S	Removing Old Structure Over Waterway With Minimal Debris Station 28'BR'+94	LS

**24. Removing Concrete Pavement, Item 204.0100;
Removing Asphaltic Surface, Item 204.0110.**

Replace standard spec 204.3.2.2.1(3) with the following:

- (3) Under the Removing Asphaltic Surface bid item, remove all types of asphaltic pavement or surfacing not supported on rigid bases. Also, remove asphaltic overlays of existing concrete pavements, bases, or bridge decks designated to remain in place.

Replace standard spec 204.4(3) and 204.4(4) with the following:

- (3) If removing curb, gutter, or curb & gutter is required in conjunction with removing concrete pavement, the department will measure removing these structures by the square yard acceptably completed, under the Removing Concrete Pavement bid item. If removing a rigid base with an asphaltic surface extending beyond the lateral limits of the rigid base, as in a widened pavement, the department will measure only the area occupied by the rigid base under the Removing Concrete Pavement bid item. The department will measure the portion of the asphaltic surfacing beyond the rigid base removed under the Removing Asphaltic Surface bid item or the Obliterating Old Road bid item. The department will make no deductions for any opening in the removed pavement having an area of 3 square yards or less.
- (4) The department will deduct pavements and other surfaces removed under the Removing Concrete Pavement and Removing Asphaltic Surface bid items from the volume measured under the respective excavation bid items under standard spec 205.4.1.

25. Abandoning Sewer, Item 204.0291.S.

A Description

This special provision describes abandoning existing sewer by filling it with cellular concrete as the plans show and conforming to standard spec 204 and standard spec 501 as modified in this special provision.

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 the engineer directs. 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 as specified in 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.
stp-204-050 (20080902)

26. Removing or Abandoning Conduit, Item 204.9090.S.01.

A Description

This special provision describes removing or abandoning conduit conforming to standard spec 204.

B (Vacant)

C Construction

Conduit shall be removed as shown on the plans and as directed by the engineer. The engineer shall verify the extent of conduit removal prior to disconnecting luminaires. Any necessary stubs shall be capped and shall be incidental to this pay item. Removed conduit shall become property of the contractor and shall be disposed of off the project site.

D Measurement

The department will measure Removing or Abandoning Conduit by the linear foot, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9090.S.01 stp-204-025 (20150630)	Removing or Abandoning Conduit	LF

27. Base Aggregate Dense ¾-Inch, Item 305.0110.

Add the following to standard spec 301.2.4.3:

Furnish only aggregate classified as crushed stone for Dense ¾-Inch when used in the top 3 inches of the unpaved portion of the shoulder or for unpaved driveways and field entrances.

(SWR 305.01-07112017)

28. Base Aggregate Dense 1 ¼-Inch, Item 305.0120.

Add the following to standard spec 305.2.2.1:

When 1 ¼-Inch base aggregate is ≥ 50% crushed gravel, conform to the following gradation requirements:

SIEVE	PERCENT PASSING BY WEIGHT
1 1/4 inch	95 - 100
1 inch	---
3/4 inch	70 - 90
3/8 inch	45 - 75
No. 4	30 - 60
No. 10	20 - 40
No. 40	7 - 25
No. 200	3 - 10 ^[1]

^[1] Limited to a maximum of 8.0 percent for base placed between old and new pavement.

(SWR 305.02-07112017)

29. Stamping Colored Concrete, Item 405.1000.

This special provision describes stamping and coloring concrete (Scofield Integral Concrete Color in C-27 Westwood Brown, or equal) for 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 Westwood Brown: use synthetic iron oxides at a loading of 8 percent or more by weight of total cementitious material in the mix. Match the concrete color in reasonably close conformance with Westwood Brown color, which is similar to Federal Standard 595 - FS 20100.

Replace the entire contents of standard spec 405.2.2 with the following:

Furnish Westwood Brown full-depth colored concrete conforming to standard spec 405.2.1

Colored concrete shall be stamped in a Used Brick Running Bond pattern, Schfield Lithotex Pavecrafters, or equal.

Replace the entire contents of standard spec 405.3.2 with the following:

Color concrete full-depth conforming to standard spec 405.3.1

Stamp concrete surfaces according to manufacturer's instructions. While concrete is plastic, accurately align stamp mats in sequence and uniformly press into concrete to produce imprint pattern, texture, and depth of imprint according to manufacturer's instructions. Stamps must align themselves squarely to one another and separation between the stamp edges shall be no greater than ¼-inch. Remove stamps from concrete immediately. Stamp edges and surfaces unable to be imprinted with stamp mat with flexible stamping mats. Remove release agent residue by washing and allow surface to thoroughly dry prior to applying curing and sealing compound.

stp-405-100 (20190618)

30. QMP HMA Pavement Nuclear Density.

A Description

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

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

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

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

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

B Materials

B.1 Personnel

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

B.2 Testing

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

B.3 Equipment

B.3.1 General

- (1) Furnish nuclear gauges according to CMM 8-15.2.
- (2) Furnish nuclear gauges from the department's approved product list at <https://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 subplot. Testing in a previously accepted subplot 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 subplot 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 2 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)

31. Polymer Overlay, Item 509.5100.S.

A Description

This special provision describes providing two layers of a two-component polymer overlay system to the bridge decks the plans show.

B Materials

B.1 General

Furnish materials specifically designed for use over concrete bridge decks. Furnish polymer liquid binders from the department’s approved product list.

B.2 Polymer Resin

Furnish a polymer resin base and hardener composed of two-component, 100 percent solids, 100 percent reactive, thermosetting compound with the following properties:

Property	Requirements	Test Method
Gel Time ^[1]	15 - 45 minutes @ 73° to 75° F	ASTM C881
Viscosity ^[1]	7 - 70 poises	ASTM D2393, Brookfield RVT, Spindle No. 3, 20 rpm
Shore D Hardness ^[2]	60-75	ASTM D2240
Absorption ^[2]	1% maximum at 24 hr	ASTM D570
Tensile Elongation ^[2]	30% - 70% @ 7 days	ASTM D638
Tensile Strength ^[2]	2000 to 5000 psi @ 7 days	ASTM D638
Chloride Permeability ^[2]	<100 coulombs @ 28 days	AASHTO T277

^[1] Uncured, mixed polymer binder

^[2] Cured, mixed polymer binder

Ensure that the polymer resin when mixed with aggregate has the following properties:

Property	Requirement ^[1]	Test Method
Minimum Compressive Strength	1,000 psi @ 8 hrs 5,000 psi @ 24 hrs	ASTM C579 Method B, Modified ^[2]
Thermal Compatibility	No Delaminations	ASTM C884
Minimum Pull-off Strength	250 psi @ 24 hrs	ASTM C1583

^[1] Based on samples cured or aged and tested at 75°F

^[2] Plastic inserts that will provide 2-inch by 2-inch cubes shall be placed in the oversized brass molds.

B.3 Aggregates

Furnish natural or synthetic aggregate that is non-polishing; clean; free of surface moisture; fractured or angular in shape; free from silt, clay, asphalt, or other organic materials; and conform to the following:

Aggregate Properties

Property	Requirement	Test Method
Moisture Content ^[1]	1/2 of the measured aggregate absorption, %	ASTM C566
Hardness	≥6.5	Mohs Scale
Fractured Faces	100% with at least 1 fractured face & 80% with at least 2 fractured faces of material retained on No.16	ASTM D5821
Absorption	≤1%	ASTM C128

^[1] Sampled and tested by the department before placement.

Gradation

Sieve Size	% Passing by Weight
No. 4	100
No. 8	30 – 75
No. 16	0 – 5
No. 30	0 – 1

B.4 Approval of Bridge Deck Polymer Overlay System

A minimum of 20 working days before application, submit product data sheets and specifications from the manufacturer, and a certified report of test or analysis from an independent laboratory to the engineer for approval. The department will sample and test the aggregates for gradation and moisture content before placement. If requested, supply the department with samples of the polymer for the purpose of acceptance testing.

B.4.1 Product Data Sheets and Specifications

Product data sheets and specifications from the manufacture consists of literature from the manufacturer showing general instructions, application recommendations/methods, product properties, general instructions, or any other applicable information.

B.4.2 Certified Report of Test or Analysis

Conform to the following:

Polymer Binder: Submit a certified report of test or analysis from an independent laboratory dated less than 3 years before the date of the project letting showing the polymer binder meets the requirements of section B.2.

Aggregates: Submit a certified report of test or analysis from an independent laboratory dated less than 6 months before the date of the project letting showing the aggregates meet the requirements of section B.3.

C Construction

C.1 General

Ensure that the overlay system is 1/4 inch thick or thicker.

Conform to the following:

Field Review: Conduct a field review of the existing deck to identify any possible surface preparation and material compatibility issues.

Pre-Installation Meeting: Conduct a pre-installation meeting with the manufacturer's representative and the engineer before construction. Discuss the field review findings, verification testing of the surface preparation and establish procedures for maintaining optimum working conditions and coordination of work. Furnish the engineer a copy of the recommended procedures and apply the overlay system according to the manufacturer's instructions. Supply for the engineer's use for the duration of the project, a Concrete Surface Profile (CSP) chip set of 10 from the International Concrete Repair Institute (ICRI).

Manufacturer's Representative: An experienced manufacturer's representative familiar with the overlay system installation procedures shall be present at all times during surface preparation and overlay placement to provide quality assurance that the work is being performed properly. This requirement may be reduced at the engineer's discretion.

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

C.2 Deck Preparation

C.2.1 Deck Repair

Remove all asphaltic patches and unsound or disintegrated areas of the concrete decks as the plans show, or as the engineer directs. Work performed to remove and repair the concrete deck will be paid for under other items.

Use deck patching products that are compatible with the overlay system. Patching materials with magnesium phosphate shall not be used. Place patches after surface is prepared via shot blasting and cleaning as described in Section C.2.2 of this specification. Portland cement concrete patches shall be used for joint repairs and full depth deck repairs with a plan area larger than 4 sf, unless approved otherwise by the Structures Design Section. If rapid-set concrete is used, place patches per the manufacturer's recommendation. If Portland cement concrete is used, place patches per standard spec 509.3.9.1.

Deck patching shall be filled and properly finished prior to overlay placement. Do not place overlay less than 1 hour, or per the manufacturer's recommendation, after placing rapid-set concrete patches in the repair areas. Do not place overlay less than 28 days after placing Portland cement concrete patches in the repair areas.

C.2.2 Surface Preparation

Determine an acceptable shotblasting machine operation (size of shot, flow of shot, forward speed, and/or number of passes) that provides a surface profile meeting CSP 5 (medium-heavy shotblast) according to the ICRI Technical Guideline No. 310.2. If the engineer requires additional verification of the surface preparation, test the tensile bond strength according to ASTM C1593. The surface preparation will be considered acceptable if the tensile bond strength is greater than or equal to 250 psi or the failure area at a depth of 1/4 inches or more is greater than 50 percent of the test area. Continue adjustment of the shotblasting machine and necessary testing until the surface is acceptable to the engineer or a passing test result is obtained.

Prepare the entire deck using the final accepted adjustments to the shotblasting machine as determined above. Thoroughly blast clean with hand-held equipment any areas inaccessible by the shotblasting equipment. Do not perform surface preparation more than 24 hours before the application of the overlay system.

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

Before shot blasting, remove pavement markings within the treatment area using an approved mechanical or blasting method.

Prepare the vertical concrete surfaces adjacent to the deck a minimum of 2" above the overlay according to SSPC-SP 13 (free of contaminants, dust, and loose concrete) by sand blasting, using wire wheels, or other approved method.

Just before overlay placement, clean all dust, debris, and concrete fines from the prepared surfaces including the vertical surfaces with compressed air. When using compressed air, the air stream must be free of oil. Any grease, oil, or other foreign matter that rests on or has absorbed into the concrete shall be removed completely. If prepared surfaces (including the first layer of the polymer overlay) are exposed to rain or dew, lightly sandblast (brush/breeze blast) the exposed surfaces.

The engineer may consider alternate surface preparation methods per the overlay system manufacturer's recommendations. The engineer will approve the final surface profile and deck cleanliness before the contractor placing the polymer overlay.

C.2.3 Transitional Area

If the plans show, create a transitional area approaching transverse expansion joints and ends of the deck using an approved mechanical or blasting method. Remove 1/4 inch to 5/16 inch of concrete adjacent to the joint or end of deck and taper a distance of 3 feet.

If the plans show, create a transitional area on the approach pavement. Prep and place the first lift 3 feet beyond the end of the deck the same width as the deck. Prep and place the second lift 6 feet beyond the end of the deck the same width as the deck.

C.3 Overlay Application

Perform the handling and mixing of the polymer resin and hardening agent in a safe manner to achieve the desired results according to the manufacturer's instructions. Do not apply the overlay system if any of the following exists:

1. Ambient air temperature is below 50 F or above 100 F.
2. Deck temperature is below 50 F.
3. Moisture content in the deck exceeds 4.5 percent when measured by an electronic moisture meter or shows visible moisture after 2 hours when measured in accordance with ASTM D4263.
4. Rain is forecasted during the minimum curing periods listed under C.5.
5. Materials component temperatures below 65 F or above 99 F.
6. Concrete deck age is less than 28 days.
7. The deck temperature exceeds 100 F.
8. If the gel time is 10 minutes or less at the predicted high air temperature for the day.

After the deck has been shotblasted or during the overlay curing period, only necessary surface preparation and overlay application equipment will be allowed on the deck. Provide appropriate protective measures to prevent contamination from equipment allowed on the deck during preparation and application operations. Begin overlay placement as soon as possible after surface preparation operations.

The polymer overlay shall consist of a two-course application of polymer and aggregate. Each of the two courses shall consist of a layer of polymer covered with a layer of aggregate in sufficient quantity to completely cover the polymer. Apply the polymer and aggregate according to the manufacturer's requirements. Apply the overlay using equipment designed for this purpose. The application machine shall feature positive displacement volumetric metering and be capable of storing and mixing the polymer resins at the proper mix ratio. Disperse the aggregate using a method that provides a uniform, consistent coverage of aggregate and minimizes aggregate rolling or bouncing into final position. First course applications that do not receive enough aggregate before the polymer gels shall be removed and replaced. A second course applied with insufficient aggregate may be left in place but will require additional applications before opening to traffic.

After completion of each course, cure the overlay according to the manufacturer's instructions. Follow the minimum cure times listed under C.5 or as prescribed by the manufacturer. Remove the excess aggregate from the surface treatment by sweeping, blowing, or vacuuming without tearing or damaging the surface; the material may be re-used if approved by the engineer and manufacturer. Apply all courses of the overlay system before opening the area to traffic. Do not allow equipment or traffic on the treated area until directed by the engineer.

After the first layer of coating has cured to the point where the aggregate cannot be pulled out, apply the second layer. Before applying the second layer, broom and blow off the first layer with compressed air to remove all loose excess aggregate.

Before opening to traffic, clean expansion joints and joint seals of all debris and polymer. A minimum of 3 days following opening to traffic, remove loosened aggregates from the deck, expansion joints, and approach pavement.

C.4 Application Rates

Apply the polymer overlay in two separate courses in accordance with the manufacturer's instructions, but not less than the following rate of application.

Course	Minimum Polymer Rate ^[1] (GAL/100 SF)	Aggregate ^[2] (LBS/SY)
1	2.5	10+
2	5.0	14+

^[1] The minimum total applications rate is 7.5 GAL/100 SF.

^[2] Application of aggregate shall be of sufficient quantity to completely cover the polymer.

C.5 Minimum Curing Periods

As a minimum, cure the coating as follows:

Course	Average temperature of deck, polymer and aggregate components in degrees F							
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99
1	6 hrs.	5 hrs.	4 hrs.	3 hrs.	2.5 hrs	2 hrs	1.5 hrs.	1 hr.
2	8 hrs.	6.5 hrs.	6.5 hrs.	5 hrs.	4 hrs.	3 hrs.	3 hrs.	3 hrs.

If faster cure times are desired and achievable, submit to the engineer a certified test report from an independent laboratory showing the material is able to reach a compressive strength of 1000 psi as tested per ASTM C 579 Method B within the temperature ranges and cure times for which the product is proposed to be placed. Establish ambient air, material, and substrate temperatures from the manufacturer for field applications. Field applications will not be allowed below the documented temperatures.

C.6 Repair of Polymer Overlay

Repair all areas of unbonded, uncured, or damaged polymer overlay for no additional compensation. Submit repair procedures from the manufacturer to the engineer for approval. Absent a manufacturer's repair procedures and with the approval of the engineer, complete repairs according to the following: Saw cut the limits of the area to the top of the concrete; remove the overlay by scarifying, grinding, or other approved methods; shot blast or sand blast and air blast the concrete before placement of polymer overlay; and place the polymer overlay according to section C.3.

D Measurement

The department will measure Polymer 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
509.5100.S	Polymer Overlay	SY

Payment is full compensation for preparing the surface; for tensile bond testing; for creating the transitional area; for providing the overlay; for cleanup; and for sweeping/vacuuming and disposing of excess materials.

The department will pay separately for deck repairs.

stp-509-030 (20200629)

32. Epoxy Crack Sealing, Item 509.9020.S.

A Description

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

B Materials

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

C Construction

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

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

D Measurement

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

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
509.9020.S	Epoxy Crack Sealing	LF

Payment is full compensation for cleaning the cracks; and for furnishing and placing the epoxy sealant.
stp-509-020 (20100709)

33. Manhole Covers.

Replace standard spec. 611.3.3 (3) and (4) with the following:

- (3) In areas of HMA pavement, set temporary cover plates over manholes before placing lower layers. Before placement of the upper layer, locate cover plates, sawcut, and remove pavement 6-18 inches larger than the casting, remove the plate, and set the manhole cover to 1/4 +/- 1/8 inch below final grade. Restore lower layers of HMA pavement between the manhole cover and removal limits a minimum of 24 hours before placing the upper layer.
- (4) Verify manhole cover elevations with a 6-foot straightedge set on blocks the thickness of the upper layer. Set the straightedge over the centerline of each frame parallel to the direction of traffic. Measure the distance from the straightedge to each edge of the frame. Repeat with the straightedge set perpendicular to traffic. If any measurement is more than 3/8 inch or less than 1/8 inch, reset the frame to the correct plane and elevation.

Replace standard spec. 611.5.4 (1) with the following:

- (1) Payment for the Manhole Covers and Inlet Covers bid items is full compensation for removing and salvaging the existing covers; and for providing new covers, including frames, grates or lids; for the materials and work required to set the manhole covers to finished grade including temporary cover plates, saw cuts, pavement removal, and all other required materials and for installing and adjusting each cover. Old covers removed remain the municipality's property. The department will pay separately for HMA pavement.

swr-611-001 (20170711)611-005

34. Adjusting Manhole Covers.

This special provision describes adjusting manhole covers conforming to standard spec 611 as modified in this special provision.

Adjust manhole covers located in pavement areas in two separate operations. Initially, remove designated manhole covers along with sufficient pavement to permit installation of temporary cover plate over the opening. Fill the excavated area with asphaltic pavement mixture, which shall remain in place until contract milling and paving operations permit setting the manhole frames to grade. During the second phase, remove the asphaltic pavement mixture surrounding the manhole plus the temporary cover plate, and set the manhole cover to final grade. The department will measure and pay for the items of asphaltic pavement mixture, temporary cover plate, milling, and paving separately.

Supplement standard spec 611.3.7 with the following:

Set the manhole frames so that they comply with the surface requirements of standard spec 450.3.2.9. At the completion of the paving, a 6-foot straightedge shall be placed over the centerline of each manhole frame parallel to the direction of traffic. A measurement shall be made at each side of the frame. The two measurements shall be averaged. If this average is greater than 5/8 inches, reset the manhole frame to the correct plane and elevation. If this average is 5/8 inches or less but greater than 3/8 inches, the manhole frame shall be allowed to remain in place but shall be paid for at 50 percent of the contract unit price.

If the manhole frame is higher than the adjacent pavement, the two measurements shall be made at each end of the straightedge. These two measurements shall be averaged. The same criteria for acceptance and payment as above, shall apply.

stp-611-005 (20200629)

35. 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)

36. Insulation Board Polystyrene, 2-Inch, Item 612.0902.S.

A Description

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

B Materials

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

Delete flammability requirement.

B.1 Certification

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

C (Vacant)

D Measurement

The department will measure Insulation Board Polystyrene (size) by area in square yards of work, completed and accepted.

E Payment

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

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

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

stp-612-005 (20030820)

37. Fence Safety, Item 616.0700.S.

A Description

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

B Materials

Furnished notched conventional "T" or "U" shaped fence posts.

Furnish fence fabric meeting the following requirements:

Color:	International orange (UV stabilized)
Roll Height:	4 feet
Mesh Openings:	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)

38. Landscape Planting Surveillance and Care Cycles.

If the care specialist fails to perform any of the required care cycles as specified in standard spec 632.3.19.1, the department will assess daily damages in the amount of \$200 to cover the cost of performing the work with other forces. The department will assess these damages for each day the requirements of the care cycle remain incomplete, except when the engineer extends the required time period.

stp-632-005 (20070510)

The plant establishment season shall be for one year, ending October 15, 2023.

39. Field Office.

Add the following to standard spec 642:

For field offices without handwashing facilities, provide and maintain a portable handwashing station at every project field office. The station shall include a hands-free sink with foot pump-operated faucet, soap dispenser, paper towel dispenser, fresh water supply, and collection tank for gray water. Regularly service and maintain the handwashing station and all supplies as needed, and properly dispose of all materials. Costs associated with the handwashing station are incidental to the field office bid item.

stp-642-010 (20200629)

40. Temporary Traffic Signals for Bridges B-33-7, Item 661.0100.

Add the following paragraphs after standard spec 661.2.3(5):

- (6) Furnish 24" x 36" pull boxes conforming to 653. The contractor may furnish engineer-approved used components.
- (7) Furnish conduit conforming to 652.

Replace standard spec 661.3.1(1) with the following:

- (1) Perform work according to the WSEC. Provide and install pull boxes, conduit, wood poles, posts, tether wire, messenger wire, tether wire hardware, messenger wire hardware, guy wire, span wire, guy wire hardware, and span wire hardware, traffic signal cable, traffic signal faces mounting hardware, electrical service, traffic signal faces, traffic signal faces with backplates, including providing, installing, and programming the controller with control cabinet as the plans show.

Replace standard spec 204.4(3) and 204.4(4) with the following:

- (2) Upon completing the repair work on the bridge, and if the engineer determines the bridge temporary traffic signal is no longer needed, remove the signal cable, messenger wire, wood poles, wood posts, control cabinet, control equipment, pull boxes, and incidental materials. If the engineer allows, the conduit may remain in place. Upon deactivation of the controller, call the electrical utility immediately for the temporary electrical service disconnect.
- (3) Immediately after removing the pull boxes, wood poles and wood posts, backfill the holes with engineer-approved material. Compact the material in 12-inch lifts.

41. Trenching.

A Description

This special provision describes excavating trenches for utilities and storm sewer system components as shown on the plans, directed by the engineer, and as hereinafter provided.

B Materials

Fill materials shall conform to the requirements of the Backfill Section in these special provisions.

C Construction

C.1 Preparation

Perform all work as described herein. If an item is not clearly specified, refer to standard spec 205.

Installer: Company specializing in performing work of this section with minimum one year of documented experience.

Verify Work associated with lower elevation utilities is complete before placing higher elevation utilities.

Protect utilities indicated to remain from damage.

Protect plant life (trees, shrubs, flowers, etc.), lawns, fields, and other features remaining as portion of final landscaping.

Protect bench marks, survey control points, existing structures, fences, sidewalks, paving, curbs, and other items to remain from excavating equipment and vehicular traffic.

Maintain and protect above and below grade utilities indicated to remain.

Establish temporary traffic control and detours when trenching is performed in public right-of-way. Relocate traffic controls and reroute traffic as required during progress of Work. Contractor to use the Manual of Uniform Traffic Control Devices (MUTCD) as their guideline.

C.2 Lines and Grades

Lay pipes to lines and grades indicated on Drawings.

- Engineer reserves right to make changes in lines, grades, and depths of utilities when changes are required for project conditions.

Use laser-beam instrument(s) with qualified operator to establish lines and grades.

If laser-beam instrument(s) are not used, maintain grade alignment of pipe using string line parallel with grade line and vertically above centerline of pipe.

- Establish string line on level batter boards at intervals of not more than 25-feet.
- Install batter boards spanning trench, rigidly anchored to posts driven into ground on both sides of trench.
- Set three adjacent batter boards before laying pipe to verify grades and line.
- Determine elevation and position of string line from elevation and position of offset points or stakes located along pipe route.
- Do not locate pipe using side lines for line or grade.

C.3 Installation

When encountering existing utilities, perform excavation according to the utility's requirements.

Do not advance open trench more than 200-feet ahead of installed pipe, unless otherwise permitted by the engineer. Provide construction fence barricades around open trenches and pits when unattended.

Do not leave more than 25-feet of trench open at end of working day

Cut trenches sufficiently wide to enable installation and allow inspection. Remove water or materials that interfere with Work.

Excavate bottom of trenches a maximum 24-inches wider than outside diameter of pipe.

Excavate trenches to depth indicated on Drawings. Verify that trench is excavated deep until not only for the pipe, but for the pipe bedding also. Provide uniform and continuous bearing and support for bedding material and pipe.

When Project conditions permit, slope side walls of excavation starting 2-feet above top of pipe. When side walls cannot be sloped, provide sheeting and shoring to protect excavation as specified in this section.

When subsurface materials at bottom of trench are loose or soft, notify engineer, and request instructions.

Cut out soft areas of subgrade not capable of compaction in place. Backfill with granular fill as per the Backfill Section in these Special Provisions and compact to density equal to or greater than requirements for subsequent backfill material.

Trim excavation. Hand trim for bell and spigot pipe joints. Remove loose matter.

Correct areas over excavated areas with compacted backfill as specified for authorized excavation or replace with fill concrete as directed by the engineer.

Remove excess subsoil not intended for reuse, from site.

Wet Trench Conditions:

- Contractor shall attempt to dispose of ground water or surface drainage entering trench by employing ordinary dewatering techniques such as the use of sump pumps, sump pits adjacent to pipe alignment, dikes, and similar methods. Dispose of, or divert, water along existing drainage ways. Do not place water so that it ponds on roadway subgrade or adjacent private property. Do not directly discharge water into a stream, river, pond, or lake.
- Allowing water to flow into the pipe being laid will not be permitted, except for storm sewer, after joints have been set. Install temporary plug on upper end of pipe if there is danger of sand or debris being washed into pipe.
- When trench bottom is unstable because of ground water, the engineer may require extra excavation to remove the unstable material. Provide washed stone foundation followed by granular bedding as per the Backfill Section in these special provisions.

Well Point and Deep Well Dewatering:

- Where in the opinion of the engineer or contractor, the trench or excavation pit cannot be kept dry by ordinary dewatering techniques, install a well point or deep well system to effectively dewater the trench or pit.
- If dewatering wells are approved, they shall be drilled, maintained, and abandoned according to the requirements of the Wisconsin Department of Natural Resources (WDNR). For dewatering wells that have a single or aggregate capacity of greater than 70 gpm, contractor must obtain a well permit from the WDNR, Private Water Supply Section, Box 7921, Madison, Wisconsin 53707.

Reshape and re-compact fills subjected to vehicular traffic during construction. Provide access to residential, commercial, and industrial properties if an alternate access is not available by the end of each working day.

C.4 Sheeting and Shoring

Sheet, shore, and brace excavations to prevent danger to persons, structures and adjacent properties and to prevent caving, erosion, and loss of surrounding subsoil.

Support trenches more than 5 feet deep excavated through unstable, loose, or soft material. Provide sheeting, shoring, bracing, or other protection to maintain stability of excavation.

Design sheeting and shoring to be removed at completion of excavation work.

Repair damage caused by failure of the sheeting, shoring, or bracing and for settlement of filled excavations or adjacent soil.

Repair damage to new and existing Work from settlement, water or earth pressure or other causes resulting from inadequate sheeting, shoring, or bracing.

E Payment

All trenching is incidental to the sanitary sewer system, water distribution system, and other utility installations.

42. Backfill.

A Description

This special provision describes bedding and backfilling of all trenches for sanitary sewer system and water distribution system as shown on the plans, directed by the engineer, and as hereinafter provided.

B Materials

Materials Source: Submit name of imported fill materials' suppliers.

B.1 Subsoil Fill

Conform to standard spec 207 Embankment, and standard spec 208 Borrow. Material used shall be free of organic matter, debris, frozen soils, ice, and other objectionable materials.

B.2 Granular Backfill

Conform to standard spec 209. The gradation of material passing the No. 4 Sieve may be either Grade 1 or Grade 2 material as per standard spec 209.2.2.

B.3 Washed Stone

Clean, hard, tough, and durable 1 ½-inch washed stone, crushed rock, crushed gravel, or gravel free from fines and adherent coatings.

C Construction

Verify structural ability of unsupported walls to support loads imposed by fill.

Prepare subgrade according to standard spec 205.

Compact subgrade to density requirements for subsequent backfill materials.

Cut out soft areas of subgrade not capable of compaction in place. Backfill with granular fill and compact to density equal to or greater than requirements for subsequent fill material.

When applicable, proof roll to identify soft spots; fill and compact to density equal to or greater than requirements for subsequent fill material.

C.2 Bedding and Initial Backfilling

(Bedding, haunching, and initial backfill for rigid pipes shall be according to ASTM C12, Class C or better. Bedding, haunching, and initial backfill for flexible pipes shall be according to ASTM D-2321, Class II or better.

Provide 6-inches of compacted granular material for bedding. Haunches to be supported by compacted granular material. Initial backfilling, that backfill which is placed from the top of the pipe to 12-inches above, shall be compacted granular material.

Provide a minimum of 12-inches of compacted granular material for backfilling around all sides of all catch basins, inlets, manholes, and other storm water structures.

In all cases, contractor to follow manufacturer's recommendation for bedding.

C.3 Backfilling

Backfill trenches to the subgrade elevation.

Place material in continuous layers as follows:

- Subsoil (Natural) Fill: Maximum 12-inches compacted depth.
 1. Compact to 90% of maximum density as determined by ASTM D-1557.
 2. Subsoil Fill shall only be used as backfill material when not located under a roadway, parking lot, future roadway, or structure.
- Granular Fill: Maximum 6-inches compacted depth.
 1. Compact to 95% of maximum density as determined by ASTM D-1557.

Employ placement method that does not disturb or damage other work.

- In no case shall backfill material be dropped from such a height or in such a volume that its impact will cause dislocation or damage to piping.

Maintain optimum moisture content of backfill materials to attain required compaction density.

When backfilling in freezing temperatures, cover pipe and tamp backfill around pipe using only loose, thawed material. When allowed to use subsoil fill, do not place frozen material in trench within 2 feet of top of pipe nor around manholes and other structures.

Remove surplus backfill materials from site. Leave fill material stockpile areas free of excess fill materials. Reshape and re-compact fills subjected to vehicular traffic.

E Payment

All backfilling to be included incidental to the manhole, hydrant, valve, water valve structure, meter pit, yard hydrant, sanitary sewer, sanitary sewer force main, lateral, water main, water service, or utility installations.

43. Disinfection of Water Distribution.

A Description

This special provision describes providing disinfection of potable water distribution system and testing and reporting results.

B Materials

B.1 References

B.1.1 American Water Works Association:

AWWA B300 - Hypochlorites.

AWWA B302 - Ammonium Sulfate.

AWWA B303 - Sodium Chlorite.

AWWA C600 - Installation of Ductile-Iron Water Mains and Their Appurtenances.

AWWA C651 - Disinfecting Water Mains.

B.1.2 Submittals

B.1.2.1 Product Data

Submit procedures, proposed chemicals, and treatment levels for review.

B.1.2.2 Test Reports

Indicate results comparative to specified requirements.

Perform Work according to AWWA C651.

Company specializing in testing and examining potable water systems, certified by the State of Wisconsin.

Submit bacteriologist's signature and authority associated with testing.

B.1.2.3 Disinfection Report

Type and form of disinfectant used.

Date and time of disinfectant injection start and time of completion.

Test locations.

Name of person collecting samples.

Initial and 24 hour disinfectant residuals in treated water in ppm for each outlet tested.

Date and time of flushing start and completion.

Disinfectant residual after flushing in ppm for each outlet tested.

B.1.2.4 Bacteriological Report

Date issued, project name, and testing laboratory name, address, and telephone number.

Time and date of water sample collection.

Name of person collecting samples.

Test locations.

Initial and 24 hour disinfectant residuals in ppm for each outlet tested.

Coliform bacteria test results for each outlet tested.

Certify water conforms, or fails to conform, to bacterial standards of the State of Wisconsin.

B.1.3 Products

B.1.3.1 Chemicals

AWWA B300, Hypochlorite.

C Construction

C.1 Examination

Verify piping system has been cleaned, inspected, and pressure tested.

Perform scheduling and disinfecting activity with start-up, water pressure testing, adjusting and balancing, demonstration procedures, including coordination with related systems.

C.2 Installation

Provide and attach required equipment to perform the Work of this section.

Perform disinfection of water distribution system and installation of system and pressure testing. Refer to the Water Main Section in these Special Provisions.

Inject treatment disinfectant into piping system.

Maintain disinfectant in system for 24 hours.

Flush, circulate, and clean until required cleanliness is achieved; use municipal domestic water.

Replace permanent system devices removed for disinfection.

C.3 Field Quality Control

C.3.1 Disinfection, Flushing, and Sampling

Disinfect pipeline installation according to AWWA C651. Use of liquid chlorine is not permitted

Upon completion of retention period required for disinfection, flush pipeline until chlorine concentration in water leaving pipeline is no higher than that generally prevailing in existing system or is acceptable for domestic use.

Legally dispose of chlorinated water. When chlorinated discharge may cause damage to environment, apply neutralizing chemical to chlorinated water to neutralize chlorine residual remaining in water.

After final flushing and before pipeline is connected to existing system, or placed in service, employ an approved independent testing laboratory to sample, test and certify water quality suitable for human consumption and bacteriologically safe.

Testing shall be performed as follows:

- New or reconstructed well: a minimum of two bacteriological safe samples, taken at least 8 hours apart during the test pumping period, or on two separate days.
- Water storage facilities: two or more successive safe samples, taken at 24-hour intervals, shall be obtained which indicate bacteriologically safe water or one safe water sample shall be obtained only if a free chlorine residual of at least 0.1 mg/l is remaining when the results of the safe sample are reported.
- Distribution water mains: one bacteriologically safe sample shall be obtained per street. When new distribution systems or extension on a number of streets are installed, bacteriological samples shall be taken at representative locations (typically on each street) to establish that all of the improvement are free of contamination.
- Distribution water mains: one bacteriologically safe sample shall be obtained per street. When new distribution systems or extension on a number of streets are installed, bacteriological samples shall be taken at representative locations (typically on each street) to establish that all of the improvement are free of contamination.

E Payment

All disinfection and testing of the water distribution system to be included incidental to the water main installation work of the project.

44. Seismograph, Item 999.1000.S.

A Description

This special provision describes furnishing seismographs and employing trained operators to monitor construction-induced vibrations on buildings/structures, and submittal of all required documentation.

B Material

Use seismographs conforming to Wisconsin Department of Safety and Professional Services (SPS) 307.43, Wisconsin Administrative Code that are continuous data recorders supplied with all the accessories necessary for making vibration and noise monitoring observations.

C Construction

Conduct monitoring procedures conforming to SPS 307.44 and as follows: Take seismograph readings before construction activities to establish an ambient or background index.

During construction, place seismographs to monitor all vibration-inducing construction activities or as the engineer directs. At a minimum utilize one seismograph. If more than one major construction activity per day is taking place, multiple seismographs may be required. Place seismographs on a stable surface within 3 feet of the building/structure nearest to the construction operation. Provide data recorded for each vibration occurrence to the engineer which includes the following:

1. Identification of vibration monitoring instrument used.
2. Description of equipment used by the contractor.
3. Name of qualified observer and interpreter.
4. Distance and direction of recording station from the vibration area.
5. Type of ground at recording station and material on which the instrument is sitting.
6. Peak particle velocity and principal frequency in each component.
7. A dated and signed copy of records of seismograph readings.
8. A comparison of measured seismograph readings to maximum allowable readings identified in SPS 307.43 or as specified in this special provision.

If construction activities generate ground vibration in excess of the peak particle velocity limits as shown in SPS 307.44, stop the construction operation in progress and implement alternate construction methods to produce results within the allowable peak particle velocity limits.

D Measurement

The department will measure Seismograph as a single complete lump sum unit of work, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
999.1000.S	Seismograph	LS

Payment is full compensation for furnishing and operating seismographs, operators, and for producing documentation reports

stp-999-005 (20161130)

45. Crack and Damage Survey, Item 999.1500.S.

A Description

This special provision describes conducting a crack and damage survey of the residences and business located along STH 23 from Alice Street to Cornelia Street.

This Crack and Damage Survey shall consist of two parts. The first part, performed before construction activities, shall include a visual inspection, digital images, and a written report describing the existing defects in the building(s) being inspected. The second part, performed after the construction activities, shall also include a visual inspection, digital images, and written report describing any change in the building's condition.

B (Vacant)

C Construction

Before any construction activities, thoroughly inspect the building structures for existing defects, including interior and exterior walls. Electronically submit a written report with the inspector's name, date of inspection, descriptions and locations of defects, and digital images. The intent of the written report and digital images is to procure a record of the general physical condition of the building's interior and exterior walls and foundation.

Use a digital camera capable of producing sharp, grain free, high-contrast colored digital images with good shadow details. Label each digital image with the following information:

ID: _____
Building Location: _____
View looking: _____
Date: _____
Photographer: _____

Before the start of any construction activities related to this survey, submit a copy of the written report and digital images to the engineer electronically.

After the construction activities are complete, conduct another survey in the same manner, take digital images, and submit another written report to the engineer electronically.

Instead of digital images, a digital video camera capable of producing sharp, high contrast, colored digital video with good shadow detail may be used to perform this work.

D Measurement

The department will measure Crack and Damage Survey as single complete lump sum unit of work, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
999.1500.S	Crack and Damage Survey	LS

Payment is full compensation for providing the before and after written reports, and for photographs or video.

stp-999-010 (20170615)

46. Shredded Bark Mulch, Item SPV.0035.01

A Description

The work shall consist of furnishing and installing shredded bark mulch in the planter areas.

B Materials

Shredded Bark or Hardwood (except Walnut) mulch free from deleterious materials and suitable for top dressing around individual trees.

C Construction

Provide not less than the following thickness of mulch and work into top of topsoil and finish level with adjacent finish grades.

Provide 4 inches thickness of organic mulch.

D Measurement

The department will measure shredded bark mulch by the cubic yard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.01	Shredded Bark Mulch	CY

Payment is full compensation for furnishing, transporting, and installing the item.

47. Excavation, Segregation, Hauling, and Disposal of Contaminated Soil and the Management of Contaminated Groundwater, Item SPV.0035.02

A Description

A.1 General

This special provision describes excavating, segregating, loading, hauling, and disposing of contaminated soil and requirements for managing contaminated groundwater. Contaminated soil shall be disposed of at a WDNR-licensed bioremediation/landfill facility:

Madison Prairie LF
6002 Nelson Rd
Sun Prairie, WI 53590
DNR Fac. ID:113195280
Dane CountyCON

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 Locations

The department and others completed testing for soil contamination within this project where excavation is required:

Site 1 – Cullen's 76 (BRRTS # 03-33-000638), 103 Galena St., Station 48'NB'+50 – Station 49'NB'+50 RT from reference line to limits on RT.

Site 5 – Casey's General Store (BRRTS #03-33-000546), 145 S. Main Street, Station 52'NB'+75 – Station 54'NB'+25 RT from reference line to limits on RT.

Site 21 – Thuli Family Creamery (BRRTS #03-33-000171), 112 W. Ann Street, Station 57'SB'+25 – Station 58'SB'+00 LT from the reference line to limits on LT and Station 10'ANN'+40 – Station 11'ANN'+15 LT and RT from the reference line to limits on LT and RT.

Contaminated soil and/or underground storage tanks (USTs) may be encountered at other locations within the construction limits. If contaminated soil and/or USTs are encountered at other locations, terminate excavations in that area and notify the engineer. Contaminated soil at other locations shall be managed by the contractor under this contract and USTs will be removed by others.

A.3 Coordination

Coordinate this work with the environmental consultant selected by the department:

Contact Sharlene TeBeest
 WisDOT BTS-ESS
Address: PO Box 7965
 Room 5 South S513.12
 Madison WI 53707-7965
Office: (608) 266-1476
Cell: (608) 381-4789
Email: sharlene.tebeest@dot.wi.gov

Active groundwater monitoring wells are not expected to be located within the project limits. If active groundwater monitoring wells are encountered during construction, notify the engineer and protect the wells to maintain their integrity. The environmental consultant will determine if monitoring wells need to be maintained. Adjust monitoring wells that need to be maintained and do not conflict with structures or curb and gutter to be flush with the final grade. Coordinate with the environmental consultant the abandonment or adjustment of wells that conflict with the previously mentioned items and wells that are not required to be maintained.

The excavation management plan for this project has been designed to minimize the off- site 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 department. For further information regarding previous investigation and remediation activities at these sites contact:

Name: WisDOT – Brian Taylor, SW Region Environmental Coordinator
Address: 2101 Wright St, Madison, WI 53704
Phone: (608) 245-2630
E-mail: brianf.taylor@dot.wi.gov

A.4 Coordination

Coordinate work under this contract with the environmental consultant retained by the department's BTS-ESS:

Name: AECOM – Kyle Wagoner
Address: 200 Indiana Ave, Stevens Point, WI 54481
Phone: (715) 342-3038
Fax: (715) 341-7390
E-mail: KYLE.WAGONER@aecom.com

The role of the environmental consultant will be limited to:

1. Determining the locations and limits of petroleum, and lead-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 petroleum, and lead-contaminated soils to be hauled to the bioremediation/landfill facility;
3. Documenting that activities associated with management of chlorinated-, petroleum-, and lead-contaminated soils are in conformance with the contaminated soil management methods for this project as specified herein; and
4. Obtaining the necessary approvals for treatment and disposal of chlorinated-, petroleum-, and lead-contaminated soil.

The contractor shall 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 contaminated areas specified above to the environmental consultant. Identify the WDNR approved bioremediation and landfill facility that will be used for disposal of contaminated soils. Provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation in the contaminated areas, or at the preconstruction conference, whichever comes first.

The contractor shall coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation in the contaminated areas. Notify the environmental consultant at least three working days prior to commencement of excavation activities in the contaminated areas. Perform excavation work in this area on a continuous basis until excavation work is completed. The environmental consultant will be responsible for obtaining the necessary approvals for disposal of contaminated soils. Do not transport contaminated soil offsite without prior approval from the environmental consultant.

A.5 Health and Safety Requirements

Supplement standard spec 107.1 with the following:

During excavation activities, expect to encounter soil contaminated with chlorinated solvents, petroleum, and lead. 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 petroleum- and lead-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.

Disposal of contaminated soil at the bioremediation/landfill facility is subject to the facility's safety policies, which include as a minimum:

1. No smoking is allowed on-site.
2. Maximum speed limit of 15 mph on access roads and 5 mph while in active area.
3. All persons entering the active area must wear the following personal protective equipment: hard hats, high visibility clothing, steel toed work boots, safety glasses, and seat belts.
4. Minimum requirement for spacing is as follows:
5. A minimum 15 foot Safety Zone is required between landfill equipment and all personnel at all times.
6. Do not back up directly behind the compactor or dozer.
7. Trucks must yield the right-of-way to landfill equipment.
8. 15 feet required between trucks.
9. Only the driver can exit the truck and must stay within 4 feet of the truck. Use of Spotter is prohibited. Helper (if any), must remain in vehicle while unloading.
10. Tailgates of all vehicles may only be opened while in the active area and must be closed prior to exiting the active area.
11. Cleaning out vehicles must be done in designated area, not in the active area. Vehicles must be properly locked out / tagged out according to OSHA during the clean out process.
12. No scavenging is allowed.
13. Horseplay is prohibited.

Violation of the bioremediation/landfill facility's safety policy will result a verbal or written warning explaining this policy and may result in the loss of dumping privileges.

Immediately report all accidents and injuries at the landfill facility to landfill management.

B (Vacant)

C Construction

Supplement standard spec 205.3 with the following:

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. 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.

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

1. Excavation Common consisting of clean soil and/or clean construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, bituminous pavement, bricks, building stone, and unpainted or untreated wood), which under NR 500.08 are exempt materials, or
2. Low-level petroleum- and/or low-level lead-contaminated soil for reuse as fill within the construction limits, or
3. Petroleum-contaminated soil for bioremediation at the WDNR-licensed bioremediation/ landfill facility, or
4. Chlorinated- and/or lead-contaminated soil for disposal at the WDNR-licensed bioremediation/landfill facility, or
5. Potentially contaminated material for temporary stockpiling and additional characterization prior to disposal.

Some material may require additional characterization prior to disposal. Provide for the temporary stockpiling of up to 100 cubic yards of contaminated material on-site that require additional characterization. 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 on an impervious surface and covering the stockpile with impervious material to prevent infiltration of precipitation. The department's environmental consultant will collect representative samples of the stockpiled material, laboratory-analyze the samples, and advise the contractor, within 10 business days of the construction of the stockpile, of disposal requirements. The stockpiled material shall be disposed either at the WDNR-licensed bioremediation/landfill facility by the contractor or, if characterized as hazardous waste, by others. As an alternative to temporarily stockpiling contaminated material that requires additional characterization, the contractor has the option of suspending excavation in those areas where such material is encountered until such time as characterization is completed.

Directly load and haul soils designated by the environmental consultant for offsite treatment and disposal at the WDNR-licensed facility. 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 treatment and disposal so as not to contain free liquids.

It is likely that dewatering will be required during construction of utilities. Based on laboratory results of groundwater samples collected from monitoring wells, water generated during dewatering operations should be permitted to discharge to the surface, except in contaminated areas.

Results indicate that petroleum-contaminated groundwater is present at the following locations within the project corridor:

Site 1 – Cullen's 76 (BRRTS # 03-33-000638), 103 Galena St., Station 48'NB'+50 – Station 49'NB'+50 RT from reference line to limits RT.

Site 5 – Casey's General Store (BRRTS #03-33-000546Station), 145 S. Main Street, Station 52'NB'+75 – Station 54'NB'+25 RT from reference line to limits on RT.

Site 21 – Thuli Family Creamery (BRRTS #03-33-000171), 112 W. Ann Street, Station 57'SB'+25 – Station 58'SB'+00 LT from the reference line to limits on LT and Station 10'ANN'+40 – Station 11'ANN'+15 LT and RT from the reference line to limits on LT and RT.

If evidence of groundwater contamination is observed (i.e., petroleum or solvent odor or sheens) during dewatering operations at other locations, suspend dewatering operations at those locations and notify the engineer.

Approval from the City of Darlington must be obtained prior to any discharge of contaminated water to the sanitary sewer. If accepted by the city, restrictions will likely be placed on contaminated water concentrations and/or pumping rates. Perform all necessary monitoring to document compliance with city discharge requirements. Furnish, install, operate, maintain, disassemble, and remove all equipment necessary to comply with city discharge requirements. Allow contaminated water encountered, but not requiring removal as a standard course of construction, to remain in place and do not manage according to this special provision.

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

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

D Measurement

The department will measure Excavation, Hauling, Segregation, and Disposal of Contaminated Soil in tons of contaminated soil accepted by the bioremediation/ landfill facility as documented by weight tickets generated by the bioremediation and landfill facility. The management of contaminated groundwater shall be considered incidental to other items in the contract.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.02	Excavation, Hauling, Segregation, and Disposal of Contaminated Soil	CY

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

48. Abandoning Storm Pipe Special, Item SPV.0035.03.

A Description

This special provision describes abandoning existing storm pipes by filling them with cellular concrete according to the pertinent requirements of standard spec 204 and 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

First close the ends of the existing pipes as directed in standard spec 204.3.3.2(2). Then tap the pipe where necessary and fill from these locations as directed by the engineer.

D Measurement

The department will measure Abandoning Storm Pipe Special in volume by the cubic yard, acceptably completed, according to standard spec 109.1.3.

E Paymentj

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.03	Abandoning Storm Pipe Special	CY

Payment is full compensation for furnishing all materials; excavating, closing ends, tapping, backfilling, and finishing where necessary.

49. Utility Rock Excavation, Item SPV.0035.04

A Description

This special provision describes providing utility rock excavation as necessary for the installation of the proposed sanitary sewer system and water system to achieve the proper depths, as shown on the plans, as further directed by the engineer, and as hereinafter provided.

B Materials

B.1 Definitions

Rock excavation shall include all hard, solid rock in ledges, bedded deposits, and unstratified masses and all conglomerate deposits or any other material so firmly cemented as to present all the characteristics of

solid rock. If determined by the engineer that such material is so hard or so firmly cemented that it is not practical to excavate and remove such material with a power shovel, it shall be mechanically disintegrated prior to removal. Power shovels, as referred to above, shall be taken to apply to modern track mounted power shovel or backhoe of not less than three-quarter (3/4) cubic yard manufacturer's rated capacity, having adequate power and being in good running condition in the hands of an experienced operator. Rock removal shall also include all rock boulders necessary to be removed having a volume of one cubic yard (27 cubic feet) or more. Rock removal shall not apply to plain or asphalt-bound bases or surface courses of macadam, gravel, or broken stone.

B.2 Method of Rock Removal

Prior to starting any rock removal, the contractor must obtain written approval from the owner and engineer regarding the planned method of Rock Removal.

Blasting will not be permitted.

B.3 Project Conditions

Conduct survey and document conditions of buildings near locations of rock removal, prior to removal, and photograph existing conditions identifying existing irregularities. Submit survey report on conditions of buildings near locations of rock removal.

C Construction

C.1 Examination

Verify site conditions and note subsurface irregularities affecting work of this section.

C.2 Preparation

Identify required lines, levels, contours, and datum.

C.3 Rock Removal by Mechanical Method

Excavate and remove rock by mechanical method

Drill holes and use expansive tools, wedges, or, mechanical disintegration compound to fracture rock.

Cut away rock at bottom of excavation to form level bearing.

Remove shaled layers to provide sound and unshattered base for footings and foundations.

In utility trenches, excavate to 6 inches below invert elevation of pipe and 24 inches wider than pipe diameter.

Remove excavated materials from trench. If material is deemed suitable by engineer for other use on site, then use accordingly. If material is deemed unsuitable by engineer, then properly remove material from site.

D Measurement

The department will measure Utility Rock Excavation by the cubic yard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.04	Utility Rock Excavation	CY

Payment is full compensation for preparation of rock for removal, mechanical disintegration of rock, removal from position, and loading and removing from site. For over excavation, payment will not be made for over excavated work or for replacement materials. Unit price shall include furnishing and placing granular bedding between rock and pipe.

50. Excavation Waste, Item SPV.0035.05

A Description

This special provision describes disposing of excavation waste outside of the project right-of-way. Conform to standard spec 205 as modified in this special provision.

B (Vacant)

C Construction

Under the Excavation Waste bid item dispose of surplus excavation materials from the excavation items under standard spec 205 that cannot be disposed of within the project right-of-way.

D Measurement

The department will measure Excavation Waste by the cubic yard acceptably completed, computed using the method of average end areas in its original position, with no correction for curvature and no adjustment for expansion or shrinkage. Waste will be measured only for surplus excavation from excavation bid items under standard spec 205.4.1 that cannot be disposed of within the project right-of-way.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.05	Excavation Waste	CY

Payment for Excavation Waste is full compensation for all costs associated with locating disposal sites; for obtaining permits; and for hauling and disposing of waste excavation material at disposal sites outside of the project right-of-way.

Replace standard spec 205.5.2.3.1 with the following:

The department will only pay for engineer-approved EBS to correct problems beyond the contractor's control. EBS is eligible for payment under the Excavation Waste bid item if it cannot be disposed of within the project right-of-way. Subgrade correction work performed under standard spec 205.5.2.3.3 is not eligible for payment under the Excavation Waste bid item.

Delete standard spec 205.5.2.3.2.

51. Covering Storm Sewer, Item SPV.0060.01.

A Description

This special provision describes how various sized storm sewer pipe stubs and storm sewer structure pipe cutouts will be covered to prevent sediment from infiltrating into the storm sewer system. The locations of covering storm sewer are shown on the plans.

B Materials

Furnish storm sewer stub covers made of a polyethylene film and plywood. Provide a polyethylene film meeting the following requirements:

Property Requirements	Value	Test Method
Tensile Strength, min.	40 lbf	ASTM D7003
Grab tensile strength, min.	50 lbf	ASTM D7004
Elongation at Break, min.	400%	ASTM D7003
Hydrostatic Resistance	32 psi	ASTM D751
Permeability	0.058 g/100in 2/day	ASTM E96 Pro. B

Provide plywood with a minimum thickness of 3/4-inch at storm sewer pipe stub locations.

C Construction

Completely cover the storm sewer openings with one continuous piece of polyethylene film. Cover a minimum of one foot of the stub length or one foot of the structure height with the polyethylene film and secure the polyethylene film to the storm sewer pipe stub or storm sewer structure.

Place a sheet of plywood to cover the opening of the storm sewer stub. Provide one continuous sheet and extend the plywood sheet a minimum of 2 inches beyond the outside diameter of the pipe on all sides. Place the plywood tight to the polyethylene film and the storm sewer stub and secure the plywood as necessary to prevent movement or separation from the pipe while backfilling the trench.

D Measurement

The department will measure Covering Storm Sewer by each individual covering storm sewer, 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	Covering Storm Sewer	EACH

Payment is full compensation for furnishing, delivering, and assembling all specified materials.

- 52. Perennial (Achillea x, Container, 1 Gal), Item SPV.0060.02;
Perennial (Allium x, Container, 1 Gal), Item SPV.0060.03;
Perennial (Stella de Oro, Container, 1 Gal), Item SPV.0060.04;
Perennial (Panicum virgatum, Container, 1 Gal), Item SPV.0060.05.**

A Description

The work under this item shall be according to the plans, Section 632 of the Standard Specifications and as hereinafter provided. This section includes additional or modification of requirements for perennial plantings.

Quality Assurance: Landscape work shall be done by a single firm specializing in landscape work.

Source Quality Control: Do not make substitutions. If specified landscape material is not obtainable, submit proof of non-availability to the engineer, together with proposal for use of equivalent material.

Provide protective covering during delivery.

Deliver perennials after preparations for planting have been completed and plant immediately. In healing in, all bundles must be opened, and the plants separated before the roots are covered, and care shall be taken that no air pockets remain among the roots.

Do not remove container-grown stock from containers until planting time.

If planting is delayed more than 6 hours after delivery, set plants in shade, protect from weather and mechanical damage, and keep roots moist with mulch covering, burlap or other acceptable means of retaining moisture.

Water root systems of plants stored on site with a fine-mist spray. Water as often as necessary to maintain root systems in a moist condition.

B Materials

All plants shall be grown within the State of Wisconsin, Iowa, or Illinois located within zone 4 of the "United States Department of Agriculture Plant Hardiness Zone Map", most recent revision, unless otherwise approved by the engineer.

A list of sources for plants shall be furnished according to standard spec 632.2.2.8 before planting begins for fall planted plants and before March 15, of the following year for spring planted plants. All sources will be subject to verification by the engineer.

C Construction

Planting Layout: Subsection 632.3.3 shall be amended as follows: Contractor shall lay out plant locations for multiple plantings by lath staking or flagging. Secure engineer's approval before planting. Make minor adjustments as may be required.

Planting. Planting shall follow the procedure contained in standard spec 632.3.7 through 632.3.17. Except standard spec 632.3.7 shall be amended as follows: Plant holes shall be backfilled with a three-to-one (3:1) mixture of topsoil to peat humus compost. Soil shall also be amended to maintain a pH level of between 6.5 and 7.4; 2.

Plant or install materials during normal planting seasons for each type of material required or as approved by the engineer. Correlate planting with specified maintenance periods to provide maintenance from date of substantial completion.

Plant shrubs after final grades are established unless otherwise acceptable to the engineer.

D Measurement

The department will measure Perennials, Achillea x; Perennials, Allium x; Perennial, Stella de Oro; Perennial, Panicum virgatum; as each perennial, acceptably installed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.02	Perennials (Achillea x, Container, 1 Gal)	EACH
SPV.0060.03	Perennials (Allium x, Container, 1 Gal)	EACH
SPV.0060.04	Perennials (Stella de Oro, Container, 1 Gal)	EACH
SPV.0060.05	Perennials (Panicum virgatum, Container, 1 Gal)	EACH

Payment is full compensation for furnishing, transporting, and installing the perennials.

53. Bench, Item SPV.0060.06.

A Description

This work shall consist of furnishing, assembling and installing benches as shown on the plans or as designated by the engineer.

B Materials

Benches shall be Anova-Horizon 6-foot Contour Bench with surface-mount supports, fade-resistant black powder coat finish – as manufactured by Anova, or equal.

Anchor: Removable stainless-steel threaded, 3/8"-16 (confirm diameter with manufacturer), right-hand thread, standard head, star drive style, Torx drive bit, length minimum for 2" penetration into concrete.

C Construction

Assembly and installation of benches shall conform to the manufacturer's recommendations and shall be anchored per manufacturer's recommendations.

D Measurement

The department will measure Bench as each individual bench, acceptably completed. Anchoring shall be incidental to the bench item.

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	Bench	EACH

Payment is full compensation for furnishing, assembling, transporting, installing the benches, and supplying the Torx drive bit to City of Darlington.

**54. Abandon Window Well-307 Main Street, Item SPV.0060.07;
Abandon Window Well-324 Main Street, Item SPV.0060.08;
Abandon Window Well-325 Main Street, Item SPV.0060.09;
Abandon Window Well-408 Main Street, Item SPV.0060.10;
Abandon Window Well-420 Main Street, Item SPV.0060.11;
Abandon Window Well-314 Main St, Item SPV.0060.49;
Abandon Window Well-319 Main Street, Item SPV.0060.50.**

A Description

This work shall consist of abandoning existing window wells along the sidewalk on Main Street. The work under this item shall be according to the applicable portions of standard spec 516 and standard spec 519 and as hereinafter provided. The existing openings shall be sealed off and water-proofed prior to filling and installing new concrete sidewalk.

B Materials

Openings shall be capped with brick and mortar or poured concrete as appropriate based on the existing building foundation wall.

C Construction

Each opening shall be filled with brick and mortar or poured concrete. The void space shall be backfilled with granular material.

D Measurement

The department will measure abandon window well per each opening sealed off and water proofed, 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.0060.07	Abandon Window Well-307 Main Street	EACH
SPV.0060.08	Abandon Window Well-324 Main Street	EACH
SPV.0060.09	Abandon Window Well-325 Main Street	EACH
SPV.0060.10	Abandon Window Well-408 Main Street	EACH
SPV.0060.11	Abandon Window Well-420 Main Street	EACH
SPV.0060.49	Abandon Window Well-314 Main Street	EACH
SPV.0060.50	Abandon Window Well-319 Main Street	EACH

Payment is full compensation for sealing and water-proofing the openings, backfilling with granular material.

55. Remove and Salvage Lighting Unit, Item SPV.0060.12.

A Description

This special provision describes removing and salvaging street lighting units. This work shall be according to the plans, standard detail drawings, and as hereinafter provided.

B Materials

Salvage all street lighting materials from the project except for internal pole wiring, HPS lamps, transformers and associated HPS integral equipment. Do not dispose of LED cobra-head luminaires.

C Construction

Disconnect and salvage the complete lighting unit from the locations shown in the plans and/or as designated by the engineer. All cobra-head luminaires are property of Alliant Energy. The remainder of lighting units are property of the City of Darlington.

Carefully stockpile the complete lighting unit at a location approved by the engineer. Place all equipment on blocks so as not to be in direct contact with the ground. Salvaged items shall be stored and protected from damage until ready for pick up by the City of Darlington or Alliant Energy. Any damage to the salvaged materials resulting from the removal and salvaging operations shall be repaired or replaced in-kind at the contractor's expense. Contact the City of Darlington Director of Public Works, Jeremy Williams (608) 482-3431, or Mitchell Thompson (608) 712-1738 from Alliant Energy, a minimum of 2 business days prior to pick up.

Contractor shall coordinate with Mitchell Thompson (608) 712-1738 from Alliant Energy for removal of overhead electrical service to outer cobra-head lighting units. Removal of these lights shall be in conjunction with construction staging, such that lighting on one side of the street remains active during corresponding construction phases. Removal of lighting on the opposite side of the street during later construction phases shall be coordinated with activation of proposed decorative pendant lighting units.

This item includes coordination and incidentals necessary to remove or have removed by the City of Darlington prior to construction: street signs and all accessories affixed to the lighting units.

D Measurement

The department will measure Remove and Salvage Lighting Unit as each individual lighting unit, acceptably salvaged and delivered.

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	Remove and Salvage Lighting Unit	EACH

Payment is full compensation for removing and salvaging existing lighting unit components.

56. **Decorative Lighting Unit Type A1, Item SPV.0060.13; Decorative Lighting Unit Type A2, Item SPV.0060.14; Decorative Lighting Unit Type A1 High Strength, Item SPV.0060.51.**

A Description

This special provision describes furnishing and installing decorative street lighting units at the locations shown in the plan.

B Materials

B.1 Material Qualifications

Furnish a complete list of documentation according to standard spec 651.2 and the following requirements. Furnish the following list of documentation detailing the characteristics of the decorative light units:

- Engineer's verification showing the light pole and concrete foundation design criteria.
- Graphical depiction showing verification of the light unit arrangement and all accessories (receptacles, brackets, hand hole, etc.) are in the correct orientation.
- Light pole color and finish sample.
- Finish durability information.
- Illumination modeling results and luminaire test files (.ies format) for design.
- Cut sheets, warranty information and parts list for all equipment.

The information required in the above list must be furnished to the engineer after letting. The engineer will not approve any materials prior to bid letting. Do not order materials until the engineer approves the list. Prepare one additional copy of all submittals to send to the City of Darlington.

B.2 Concrete Foundation

Furnish concrete masonry, bar steel reinforcement, anchor rods, nuts, washers, conduit, grounding electrode and all incidental materials according to the pertinent provisions in standard spec 654.2.

The concrete foundation shall have an outer diameter of 1'-8" and be compatible with the dimensional and loading characteristics of the proposed decorative lighting unit. Provide engineer-sealed documentation showing that the concrete foundation meets applicable design criteria and manufacturer requirements. The engineer shall approve the concrete foundation design prior to installation.

B.3 Transformer Base

Furnish cast aluminum alloy transformer bases from the department's approved products list and meeting the design criteria specified in standard spec 657.2. Ensure that castings are true to pattern in form and dimensions and free from pouring faults, sponginess, cracks, sharp edges, blow holes, and other defects in positions affecting strength or service life. Furnish all bases with a manufacturer applied black anodized finish. Bases anodized after purchase from the manufacturer will not be accepted without approval from the engineer.

B.4.1 Pole - Standard

Furnish light poles as shown on the plans and as hereinafter provided. The light pole shall conform to the following requirements:

- Poles shall consist of aluminum composition of sufficient strength to accommodate the loading parameters as shown on the plans.
- Poles shall have a tapered and smooth cross section.
- Poles shall have dimensional characteristics as shown on the plans.
- Pole and complete assembly shall be anodized and finished with polyester powder coat black.
- Furnish galvanized L-type anchor rods.
- Pole shall consist of a decorative pole fitters with finish to match the pole.

B.4.2 Pole – High Strength

Furnish high strength light poles at structure mounted locations (SL100 and SL101) as shown on the plans and as hereinafter provided. The light pole shall conform to the following requirements:

- Poles shall consist of aluminum or steel composition of sufficient strength to accommodate the loading parameters of a 5' x 60' banner stung between poles in addition to standard pole accessories.
- Poles shall have a tapered and smooth cross section.
- Poles shall have dimensional characteristics as shown on the plans.
- Pole and complete assembly shall be anodized and finished with polyester powder coat black.
- Furnish galvanized L-type anchor rods.
- Pole shall consist of a decorative pole top fitter with finish to match the pole.

B.5 Luminaire

Furnish luminaires as shown on the plans and as hereinafter provided. The luminaire shall conform to the following requirements:

- Total wattage between 70W-90W
- Luminaire shall be traditional tear drop deep glass style with prismatic glass refractor/reflector; glass optic shall be approximately 17" diameter and 17" tall.
- IES distributions type II or III are acceptable. Consideration should be given to amount of light trespass in 2nd story windows.
- 3K color temperature or near equivalent
- Luminaire ratings shall include the following:
 - B.U.G. (Backlight / Uplight / Glare) rating of 1-2-2 or better
 - I.P. rating of 65 or greater
 - All components U.L. listed for wet locations
- Luminaire shall feature the following accessories:
 - Spike top finial
 - Internal house side shield installed
- Luminaire finish shall be black in color to match the pole finish.

Luminaire shall provide the following performance measures. Results shall be based on the roadway section as shown in the plans; and the average spacing of 135' as shown in the plans.

- Luminaire shall provide illumination performance as follows:
 - 0.9 average foot-candles (25% tolerance allowed below target values)
 - 3.0:1 average-minimum illumination ratio or better

- Luminaire shall provide luminance performance as follows:
 - 0.9 cd/m² (25% tolerance allowed below target values)
 - 3.0:1 Ave/Min or better
 - 5.0:1 Max/Min or better
 - 0.3:1 veiling luminance ratio (25% tolerance allowed)

B.6 Arm

Furnish aluminum luminaire mounting bracket with decorative fitters for luminaire support. Steel arm shall be provided if high strength pole is required to be steel. Luminaire mounting bracket shall allow for weather tight wire-way from the pole to the luminaire. Arm finish shall be black in color to match the pole finish with a decorative scroll as shown in the plans.

B.7 Pole Accessories

Receptacle and Cover: Furnish reinforced receptacle housing within the light pole, a weather resistant flush receptacle box and heavy duty while-in-use cover. Furnish a weather resistant 20A/125V GFCI receptacle and wiring connections. While-in-use cover shall be metal fabrication and black in color to match the pole finish. Furnish and install fuse holders for the receptacle in the light pole base.

Flag Pole Bracket: Furnish light poles with reinforced integral flag pole brackets for accommodate flag shafts of up to 1-inch diameter. All exposed surfaces shall be black in color to match the pole finish.

Christmas Decoration Bracket: Furnish mounting bracket designed to accommodate the city’s existing equipment, as shown on the plans. Confirm design by furnishing example to the city for verification. All exposed surfaces shall be black in color to match the pole finish.

B.8 Submersible Fuses and Splice Blocks

Furnish submersible fuses and splice blocks capable of withstanding prolonged submersion for wiring of all lighting units south of Ann St in order to accommodate flood conditions. Submersible splice blocks will also be required to re-establish electrical service to the landscape flood lighting out of SL142.

C Construction

Install Decorative Lighting Unit according to the pertinent provisions of standard spec 657 and 659, the plans and as the manufacturer directs.

Electrical staking shall be approved by the engineer and the City of Darlington prior to concrete base installation.

D Measurement

The department will measure Decorative Lighting Unit by each unit installed, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.13	Decorative Lighting Unit Type A1	EACH
SPV.0060.14	Decorative Lighting Unit Type A2	EACH
SPV.0060.51	Decorative Lighting Unit Type A1 High Strength	EACH

Payment is full compensation for furnishing all materials; installing a complete street lighting unit; furnishing and installing a concrete foundation; furnishing and installing submersible fuses and splice blocks as necessary/

**57. Decorative Lighting Unit Type B, Item SPV.0060.15;
Decorative Lighting Unit Type C, Item SPV.0060.16.**

A Description

This special provision describes furnishing and installing decorative street lighting units at the locations shown in the plan.

B Materials

B.1 Material Qualifications

Furnish a complete list of documentation according to section 651.2 and the following requirements. Furnish the following list of documentation detailing the characteristics of the decorative light units:

- Engineer's verification showing the light pole and concrete foundation design criteria.
- Graphical depiction showing verification of the light unit arrangement and all accessories (receptacles, brackets, hand hole, etc.) are in the correct orientation.
- Light pole color and finish sample.
- Finish durability information.
- Illumination modeling results and luminaire test files (.ies format) for design.
- Cut sheets, warranty information and parts list for all equipment.

The information required in the above list must be furnished to the engineer after letting. The engineer will not approve any materials prior to bid letting. Do not order materials until the engineer approves the list. Prepare one additional copy of all submittals to send to the City of Darlington.

B.2 Concrete Foundation

Furnish concrete masonry, bar steel reinforcement, anchor rods, nuts, washers, conduit, grounding electrode and all incidental materials according to the pertinent provisions in standard spec 654.2.

The concrete foundation shall have an outer diameter of 1'-8" and be compatible with the dimensional and loading characteristics of the proposed decorative lighting unit. Provide engineer-sealed documentation showing that the concrete foundation meets applicable design criteria and manufacturer requirements. The engineer shall approve the concrete foundation design prior to installation.

B.3 Decorative Base

Furnish cast aluminum alloy decorative base as shown in the plans. Ensure that castings are true to pattern in form and dimensions and free from pouring faults, sponginess, cracks, sharp edges, blow holes, and other defects in positions affecting strength or service life. Furnish all bases with a manufacturer applied anodized or powder coated black finish. Bases color coated after purchase from the manufacturer will not be accepted without approval from the engineer.

B.4.1 Pole - Standard

Furnish light poles as shown on the plans and as hereinafter provided. The light pole shall conform to the following requirements:

- Poles shall consist of aluminum composition of sufficient strength to accommodate the loading parameters as shown on the plans.
- Poles shall have a tapered and fluted cross section.
- Poles shall have dimensional characteristics as shown on the plans.
- Pole and complete assembly shall be anodized and finished with polyester powder coat black.
- Furnish galvanized L-type anchor rods.
- Pole shall consist of a decorative pole top fitter with finish to match the pole.

B.5 Luminaire

Furnish luminaires as shown on the plans and as hereinafter provided. The luminaire shall conform to the following requirements:

- Individual luminaire wattage between 10W-30W.
- Optic shall be polycarbonate with approximately 16" in diameter.
- All IES distributions are acceptable if the luminaire can meet all other requirements.
- 3K color temperature or near equivalent.
- Luminaire ratings shall include the following:
- B.U.G. (Backlight / Uplight / Glare) rating of 1-2-2 or better

- I.P. rating of 65 or greater
- All components U.L. listed for wet locations
- Luminaire shall be white
- Individual luminaire lumen output shall be between 3,000 and 4,000 lumens

B.6 Mounting Bracket

Furnish aluminum luminaire mounting bracket with decorative fitters for luminaire support as shown in the plans. Luminaire mounting bracket shall allow for weather tight wire-way from the pole to the luminaire. Finish shall be black in color to match the pole finish.

B.6.1 Type B Mounting Bracket

Luminaire mounting shall be a single post top globe

B.6.2 Type C Mounting Brackets

Luminaire mounting shall include a single post top globe and quad globes on decorative arms.

B.7 Pole Accessories

Receptacle and Cover: Furnish reinforced receptacle housing within the light pole, a weather resistant flush receptacle box and heavy duty while-in-use cover. Furnish a weather resistant 20A/125V GFCI receptacle and wiring connections. While-in-use cover shall be metal fabrication and black in color to match the pole finish. Furnish and install fuse holders for the receptacle in the light pole base.

Flower Basket Bracket: Furnish light poles with reinforced integral bracket arms to accommodate flower baskets. All exposed surfaces shall be black in color to match the pole finish.

B.8 Submersible Fuses and Splice Blocks

Furnish submersible fuses and splice blocks capable of withstanding prolonged submersion for wiring of all lighting units south of Ann St in order to accommodate flood conditions.

C Construction

Install Decorative Lighting Unit according to the pertinent provisions of standard spec 657 and 659, the plans and as the manufacturer directs.

Electrical staking shall be approved by the engineer and the City of Darlington prior to concrete base installation.

D Measurement

The department will measure Decorative Lighting Unit by each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.15	Decorative Lighting Unit Type B	EACH
SPV.0060.16	Decorative Lighting Unit Type C	EACH

Payment is full compensation for furnishing all materials; installing a complete street lighting unit; furnishing and installing a concrete foundation; furnishing and installing submersible fuses and splice blocks as necessary.

**58. Slip-In Inline Check Valve 24-Inch, Item SPV.0060.17;
Slip-In Inline Check Valve 48-Inch, Item SPV.0060.18.**

A Description

This special provision describes furnishing and installing slip-in inline check valves according to manufacturer's specifications at locations indicated on the plans.

The diameter of the check valve bid item(s) references the inner diameter (I.D.) of the pipe the valve will be connected to.

B Materials

B.1 Product Requirements

Provide aluminum stop log systems manufactured by

Red Valve Company
Cla-Val

or engineer approved equal.

Furnish all equipment under this provision by a single manufacturer with a minimum of 10 years of experience designing and manufacturing check valves.

Provide a copy of the installation, operation and maintenance manual(s) supplied from the manufacturer to the department. Provide a copy of the head loss curve tables for each check valve size to the department. The manufacturer should supply upon request.

B.2 Material Specifications

Check Valve Material: Valve material shall be either a neoprene, an ANSI/NSF-61 certified product elastomer or an EPDM elastomer per manufacturer's specifications.

Steel Fittings: Steel clamps and retaining rings shall be 304 or 316 grade stainless steel per manufacturer's specifications. Steel must conform to Buy America requirements per CFR 635.410.

Anchor Bolts/Nuts: The contractor shall provide anchor bolts and nuts according to standard spec 506.2.5.

Welding: Welding shall conform to the AWS S1.6, Structural Welding Code – Stainless Steel.

Epoxy Adhesive: The contractor shall provide an epoxy adhesive from the department's approved product list (APL).

Lubricant: The contractor shall provide a water-based lubricant from the department's approved product list (APL).

Sealant: The contractor shall provide a silicone or sealant from the department's approved product list (APL)

B.3 Storage

Do not use sharp tools when unpacking this product as they may damage the check valve.

If storing check valves inside, store in a setting with a dry and cool location. Store the check valve in a vertical position on a pallet or wooden platform. Do not lay other boxes on top of the check valve or check valve box.

If storing check valves outside, keep the check valve protected in a waterproof crate until ready for installation. Keep the check valve protected from any external elements such as direct UV exposure, electric motors, dirt or chemicals. Do not lay other boxes on top of the check valve box.

C Construction

C.1 Handling

Take care when handling check valves to reduce the possibility of damaging the check valve during construction. Special care shall be taken in loading hoisting and lowering large check valves to avoid hitting adjacent equipment, forklift lines, crane cables, etc.

Check valves should be lift with either a sling or with supports around the outer diameter (O.D.) at each side of the valve to ease the installation procedure. Do not place an object through the check valve in order to lift it.

Do not try to bend, collapse or fold the check valve in order to facilitate the installation as this will cause permanent damage and will not allow the check valve to return to a fully round shape.

C.2 Prior to Installation

Inspect for damage that may have occurred during transportation. The department will not allow the installation of a damaged check valve.

Remove all debris and foreign matter inside the pipe prior to installation.

Check I.D. of the pipe section for rough or damaged areas. The inside surface should be uniform and relatively smooth. Long gouges or cracks in the pipe may allow water to pass and should be filled prior to installation. Do not attempt to install in a smaller pipe I.D.

The pipe I.D. is to be checked in the field. It should be a consistent diameter for the length of valve and should not be out of round.

When there is a +/- tolerance on the pipe I.D. a rubber adhesive strip can be applied to both cuffs to build the cuff O.D. up to the actual pipe I.D., if recommended by the manufacturer. If this is necessary, refer to the manufacturer's installation, operation and maintenance manual for application procedure.

If recommended by the manufacturer, lubricate the outside of the check valve with a water-based lubricant prior to inserting into the pipe. Do not use petroleum-based lubricants. Refer to the manufacturer's installation, operation and maintenance manual for application procedure.

C.3 Installation

C.3.1 Slip-In

Check valves come marked with a "top" label and "flow" direction label at the 12:00 and 6:00 position. Use these labels to orient the check valve in the correct position and flow direction.

Insert the check valve fully into the pipe so no part of the cuff or bill extends outside the pipe. Ensure that the valve is not slanted at an angle with the bill pointing upwards or downwards. The valve centerline should be parallel to the pipe centerline.

If allowed by the manufacturer, larger check valves can be pushed into the pipe utilizing the shipping pallet. Refer to the manufacturer's installation, operation and maintenance manual for the procedure.

C.3.2 Internal Clamps

Add the internal clamps to the check valve. Orient the internal clamps according to the manufacturer's installation, operation and maintenance manual.

Tighten the internal clamps according to the manufacturer's installation, operation and maintenance manual.

C.3.3 Anchor Bolts

After the internal clamps have been tightened, drill a hole through each center hole provided on the clamps. Insert a bolt sufficient in length to completely travel through the clamp, valve and pipe at each hole location. Secure each bolt to the internal clamp by completely welding to the internal clamp, applying an epoxy adhesive, a nut or a silicone sealant to ensure the bolt will not fall out or be removed. Refer to the manufacturer's installation, operation and maintenance manual for the recommended securing procedure.

D Measurement

The department will measure Slip-In Inline Check Valves by each valve installed, 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.0060.17	Slip-In Inline Check Valve 24-Inch	EACH
SPV.0060.18	Slip-In Inline Check Valve 48-Inch	EACH

Payment is full compensation for furnishing and installing check valves.

59. Research and Locate Existing Land Parcel Monuments, Item SPV.0060.19.

A Description

This special provision describes researching and locating existing land parcel or boundary monuments located in permanent easements, temporary easements, or construction permit areas, which may be lost or disturbed by construction operations.

This provision does not relinquish the contractor's responsibility of standard spec 107.11.

B (Vacant)

C Construction

Perform work by, or under the direction of, a professional land surveyor licensed in the State of Wisconsin.

Before construction, research, locate and document monuments located in permanent easements, temporary easements, and construction permit areas. Establish coordinate ties to the monuments accurate to current minimum state survey standards.

Prepare a monument location map showing the type of monuments found and their coordinates. The transportation project plat (TPP) is acceptable as a base map for the monument location map. Provide a copy of the monument location map to the engineer and region right-of-way plat coordinator.

Verify and reset monument locations after construction is complete under the item titled "Verify and Replace Existing Land Parcel Monuments."

D Measurement

The department will measure Research and Locate Existing Land Parcel Monuments as each individual monument, 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	Research and Locate Existing Land Parcel Monuments	EACH

Payment is full compensation for all research, field survey, locating, and data recording necessary to locate and establish coordinates for existing monuments within the construction limits before construction; furnishing a professional land surveyor; preparing, annotating and delivering the monument location map.

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60. Verify and Replace Existing Land Parcel Monuments, Item SPV.0060.20.

A Description

This special provision describes verifying the final location of, and replacing existing land parcel or boundary monuments, previously located under the item "Research and Locate Existing Land Parcel Monuments", that are lost or disturbed by construction operations.

This provision does not relinquish the contractor's responsibility of standard spec 107.11.

B Materials

Provide minimum sized replacement monuments as follows:

- Locations outside of pavement areas:
 - 1-inch inside diameter by 24-inch long iron pipe
 - 3/4-inch diameter by 24-inch long rod or rebar
- Locations in asphalt pavement areas:
 - Survey spike
 - Mag nail
- Locations in concrete pavement areas:
 - Drilled hole
 - Chiseled mark

C Construction

Perform work by, or under the direction of, a professional land surveyor licensed in the State of Wisconsin.

After construction is completed, verify the location of all monuments previously located with the item "Research and Locate Existing Land Parcel Monuments". Replace any monuments that were disturbed or destroyed to current minimum state survey standards.

Prepare a monument location map showing the type of monuments originally found, the type of replacement monuments used to replace the disturbed or destroyed monuments, and monument coordinates. The transportation project plat (TPP) is acceptable as a base map for the monument location map. Create the location map with a PDF editing tool such as Adobe or Bluebeam. The monument location map shall explicitly state that the replaced monuments are not being certified as actual land parcel or boundary monuments, only that evidence of monuments were found and replaced. Attach a cover letter to the location map that contains a brief synopsis of the work completed. The cover letter shall be signed, stamped, and dated by a professional land surveyor. Provide a copy of the monument location map and cover letter to the engineer, the county surveyor, and the region plat coordinator.

D Measurement

The department will measure Verify and Replace Existing Land Parcel Monuments as each individual monument, 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.0060.20	Verify and Replace Existing Land Parcel Monuments	EACH

Payment is full compensation for all survey work necessary to verify the location of all monuments previously located under the item "Research and Locate Existing Land Parcel Monuments"; replacing monuments that were disturbed or destroyed from their original location; furnishing monuments or other necessary tools; furnishing a professional land surveyor; preparing, annotating and delivering the monument location map and cover letter.

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61. Sanitary Sewer Manhole, Item SPV.0060.21.

A Description

This special provision describes providing and installing a manhole, as shown on the plans, as further directed by the engineer, and as hereinafter provided.

B Materials

B.1 Shop Drawings/Product Submittals

B.1.1 Shop Drawing

Indicate structure locations, elevations, piping, sizes and elevations of penetrations, and structure components.

Submit manhole covers, component construction, features, configuration, and dimensions.

Obtain precast concrete utility structures from single source.

Perform structural design according to ACI 318. Perform Work according to NPCA Quality Control Manual for Precast Plants. Conform to ASTM C-478.

B.1.2 Manufacturer

Company specializing in manufacturing products specified in this Section with minimum three years of documented experience.

Comply with precast concrete manufacturer's instructions for unloading, storing and moving precast manholes and drainage structures.

Store precast concrete manholes and drainage structures to prevent damage to owner's property or other public or private property. Repair property damaged from materials storage.

Mark each precast structure by indentation or waterproof paint showing date of manufacture, manufacturer, and identifying symbols and numbers shown on Drawings to indicate its intended use.

B.1.3 Installer

Company specializing in performing work of this section with minimum one year of documented experience.

B.2 Product Materials

B.2.1 Precast Risers

Reinforced precast concrete according to ASTM C-478. Inside diameter to be 48-inches unless otherwise designated on the plans.

B.2.2 Precast Bases

Reinforced precast concrete bases according to ASTM C-478. Bases shall be minimum 6-inches thick and cast integral with the first riser. Inside diameter to be 48-inches unless otherwise designated on the plans. Provide poured invert with smooth radius transitions. Flow channel shall be the same diameter as the larger of adjoining sewers.

B.2.3 Top Section

Reinforced precast top section according to ASTM C-478. Top section shall be an eccentric cone. In the event where space does not allow for an eccentric cone top, a minimum of 8-inch-thick (48-inch diameter and 60-inch diameter) may be substituted with engineer's permission.

B.2.4 Joints

Joints to be made watertight utilizing rubber ring gasket or butyl sealant. Rubber ring gasket to comply with ASTM C-443. Butyl sealant to comply with ASTM C-990 and AASHTO M-198.

B.2.5 Flexible Pipe Boot

Conform to ASTM C-923. Provide flexible, watertight, gasketed seals for pipe entrance holes. Boots are to have stainless steel clamp and stainless-steel hardware. Pipe seal to be Press-Seal PSX or pre-approved equal.

B.2.6 Adjusting Rings

Provide High Density Polyethylene (HDPE) tapered adjusting rings by Ladtech, Inc. or pre-approved equal. HDPE to conform to ASTM D1248. Minimum thickness to be 1-inch and maximum thickness to be 6-inches. Install as per manufacturer's specifications. Place an approved butyl sealant between rings to properly seal them.

B.2.7 Steps

Steps shall conform to ASTM C-478 and be made with an approved plastic such as copolymer polypropylene, reinforced with a 1/2-inch diameter Grade 60 steel reinforcing bar. Steps to be manufactured by M.A. Industries or a pre-approved equal. Steps shall be 12-inches wide, 16-inches on center vertically, and be set into structure wall.

B.2.8 Frames and Covers

Frames and covers to be Neenah Foundry Co. Model No. R-1916-C or R-1916-A with non-rocking, self-sealing, bolt-down lid with stainless steel bolts in floodproofing areas and R-1550 or R-1689 with non-rocking, self-sealing, Type "B" lid with sealed pick holes in all other areas as per plans or pre-approved equal. Castings to conform to ASTM A48, Class 30B Cast iron construction. Lids shall be of uniform quality, free from blow holes, porosity, hard spots, shrinkage defects, cracks or other serious defects. Lids shall also have machined flat bearing surface, sealed pick holes, self-sealing neoprene O-ring gasket, and be traffic rated (unless otherwise noted).

B.2.9 External Joint Seals

An external joint seal shall be installed on each section joint of all sanitary manholes and for concrete adjustment rings according to the manufacturer's instructions. External joint seal shall meet or exceed the requirements of ASTM C-877, type II. External joint seals shall be CretexWrap External Manhole Joint Seals, MacWrap, or pre-approved equal conforming to the following requirements:

External joint seals shall consist of a collar 9-inch wide with an outer layer of polyethylene, with a minimum tensile strength of 4000 psi and a minimum tear resistance of 1500 psi, and an under layer of rubberized mastic that is reinforced with a woven polypropylene fabric. Two 5/8-inch steel straps shall be located within the collar 3/4-inches from each edge. The straps shall be confined in tubes that isolate them from the mastic and allow them to slip freely when mechanically tightened and locked around the manhole joint. The collar shall be furnished with a minimum of 6-inch overlap and a closing flap to cover any remaining exposed strap. External joint seals shall be able to withstand a 13-psi air test.

B.2.10 Frame Seal

As shown on the plans or directed by the engineer, a frame seal with extensions where needed to cover the entire chimney area, shall be installed on sanitary manholes according to the manufacturer's instructions.

A frame seal, as shown on the attached drawings, with extensions where needed to cover the entire chimney area, shall be installed on all sanitary manholes according to the manufacturer's instructions.

External/internal Adaptor Seals for casting and adjustment rings shall be Adaptor Seal or pre-approved equal.

Frame seals shall consist of a flexible internal rubber sleeve, interlocking extensions and stainless-steel expansion bands as manufactured by Cretex Specialty Products or a pre-approved equal conforming to the following requirements:

The seal shall remain flexible throughout a 25-year design life, allowing repeated vertical movement of the frame of not less than 2-inches and/or repeated horizontal movement of not less than ½-inch. The sleeve portion of the seal shall be either double or triple pleated with a minimum unexpanded vertical height of 8-inches, 10 or 13-inches respectively. The sleeve and extension shall have a minimum thickness of 3/16-inches and shall be made from a high-quality rubber compound conforming to the applicable requirements of ASTM C-923, with a minimum 1500 psi tensile strength, a maximum 18% compression set and a hardness (durometer) of 48+5. The area of the seal that compresses against the manhole frame/casting and the chimney/cone shall have a series of sealing fins to facilitate a watertight seal. These sealing fins shall have teardrop holes or air pockets to allow the sealing area to conform to minor irregularities that may be encountered.

The bands shall be integrally formed from 16-gauge stainless steel conforming to ASTM A-240, Type 304, with no welded attachments; shall have a minimum adjustment range of 2 diameter inches; and shall have a positive locking mechanism. Any screws, bolts or nuts used for this mechanism shall be stainless steel conforming to ASTM F-593 and 594, Type 304.

C Construction

C.1 Preparation

Verify that items provided by other sections of Work are properly sized and located.

Verify that built-in items are in proper location, and ready for roughing into work.

Verify correct size of manhole and structure excavation.

Coordinate placement of inlet and outlet pipe required by other sections.

Do not install manholes and structures where site conditions induce loads exceeding structural capacity of manholes or structures.

Inspect precast concrete manholes and structures immediately prior to placement in excavation to verify manholes and structures are internally clean and free from damage. Remove and replace damaged units.

C.2 Installation

Excavate for manholes and structures according to standard spec 205 in location and to depth shown. Provide clearance around sidewalls of manhole or structure for construction operations, and granular backfill. When groundwater is encountered, prevent accumulation of water in excavations. Place manholes or structures in dry trench. If contractor is unable to place manhole or structure in dry trench, he/she is to contact engineer for direction.

Where possibility exists of watertight manhole or structure becoming buoyant in flooded excavation, anchor manhole or structure to avoid flotation.

If over excavation occurs, backfill with concrete or compacted granular material.

Construct standard manholes of precast bases, precast risers, precast top section, adjustment rings, and appurtenances according to standard detail.

Install manholes and structures supported at proper grade and alignment on 6-inches of granular material as per standard spec 209. If wet conditions persist, install 6-inches of 1 ¼-inch diameter washed stone.

Install external joint seals on each section joint of all sanitary manholes and for adjustment rings according to the manufacturer's instructions.

Backfill excavations for manholes and structures according to the Backfill Section in these special provisions.

Lift precast manholes and structures at lifting points designated by manufacturer. When lowering manholes and structures into excavations and joining pipe to units, take precautions to ensure interior of pipeline and manhole or structure remains clean.

Set precast manholes and structures bearing firmly and fully on 6-inches crushed stone bedding, compacted according to these special provisions or on other support system shown on drawings.

Assemble multi-section manholes and structures by lowering each section into excavation. Install compatible rubber ring gasket or butyl sealant between precast sections according to manufacturer's recommendations. Under weight of superimposed sections, gasket material shall form a tightly packed, watertight seal in annular joint space. Lower, set level, and firmly position base section before placing additional sections.

Remove foreign materials from joint surfaces and verify sealing materials are placed properly. Maintain alignment between sections by using guide devices affixed to lower section.

Joint sealing materials may be installed on site or at manufacturer's plant.

Verify manholes and structures installed satisfy required alignment and grade.

Remove knockouts or cut structure to receive piping without creating openings larger than required to receive pipe. Fill annular space with hydraulic, non-shrink mortar.

Cut pipe to finish flush with interior of manhole or structure.

Complete pipe seals according to the manufacturer's instructions. For manholes with flexible seals, support pipe outside of manhole by bedding as specified for type of pipe installed.

Set frames using mortar and adjustment rings. Butyl sealant shall be placed between precast cone and first ring, between individual rings, and between top ring and casting. Set cover frames and covers to within minus 0.01 feet to minus 0.03 feet of grade shown for finished pavement. Match street grades and cross-slope.

Install external/internal seal for casting and adjustment rings as per manufacturer's instructions for the designated manholes as per the plans or directed by the engineer.

When located in an unpaved area, set frame and cover 6-inches above finished grade to allow area to be graded away from cover beginning 2-inches below top surface of frame.

Test concrete manhole and structure sections according to ASTM C-497.

Maintain existing sanitary sewer main service.

C.3 Manhole Grade Adjustment

Where required, adjust top elevation of manholes and structures to final grade as indicated on the plans or as directed by the engineer.

Use flat or tapered HDPE manhole rings to achieve elevation indicated for frame and cover. Do not adjust elevation more than 6-inches with HDPE manhole rings.

Seal joints between manhole top, adjustment rings, and frame with sealant.

Reinstall removed manhole frame and cover.

See Table A: Sanitary Sewer Manholes for a schedule of sizes, castings, and elevations.

D Measurement

The department will measure Sanitary Sewer Manhole as each sanitary sewer manhole, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.21	Sanitary Sewer Manhole	EACH

Payment is full compensation for excavating; supplying and installing precast concrete structure sections, adjustment rings, cover frame and cover, and all internal/external seals; forming and sealing of pipe inlets and outlets; grouting, and construction means and methods to properly install each manhole.

**62. Sanitary Sewer Connection to Existing (Temporary), Item SPV.0060.22;
Sanitary Sewer Connection to Existing, Item SPV.0060.23.**

A Description

This special provision describes providing temporary connections for project phasing and permanent connections for the proposed sanitary sewer main to an existing sanitary sewer main, force main, or manhole as shown on the plans, directed by the engineer, and as hereinafter provided.

B Materials

B.1 Flexible Coupling

Conform to ASTM C1173. Resilient chemical-resistant elastomeric polyvinyl chloride (PVC) coupling, two stainless steel clamps, stainless-steel reinforcement ring, stainless-steel screws, and housings. Couplings shall be sized to match outside diameter of pipes to be joined.

B.2 Flexible Pipe Boot

Conform to ASTM C923. Provide flexible, watertight, gasketed seals for pipe entrance holes. Boots are to have stainless steel clamp and stainless-steel hardware. Pipe seal to be Press-Seal PSX or pre-approved equal.

B.3 Fittings

Ductile iron, made in U.S.A., Full Body fittings conforming to AWWA C110 or Compact fittings conforming to AWWA C153. 250 psig working pressure. Foundry must be NSF 61 Certified.

B.3.1 Coating and Lining

Bituminous Coating: AWWA C110.

Cement Mortar Lining: AWWA C104, standard thickness.

B.4 Accessories

B.4.1 Concrete for Thrust Restraints

Conform to Section 501 of the Standard Specifications. Solid concrete blocks may be substituted with permission from engineer.

B.4.1.2 Concrete Blocks for Support

Solid concrete, 8"x16"x4" blocks.

B.4.2 Joint Restraints

Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.

Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series 1100, TUFGRip, or pre-approved equal.

C Construction

C.1 Installation – Connection to Existing Sanitary Sewer

Excavate and locate the existing sanitary sewer main.

Install flexible coupling as per manufacturer's directions. Couplings used shall be sized to match the outside diameter of pipes to be joined.

Existing pipe shall be cut "square" and cleaned before installing coupling.

Prevent construction debris from entering existing sewer line when making connection.

Maintain existing sanitary sewer main service.

C.2 Installation – Connection to Existing Manhole

Excavate and locate the existing sanitary sewer manhole.

Core drill existing manhole to clean opening. The use of concrete saws, pneumatic hammers, chipping guns, and sledgehammers will only be permitted with the permission of the engineer.

Install watertight neoprene gasket and seal with an approved non-shrink concrete grout.

Prevent construction debris from entering existing sewer line when making connection.

Maintain existing sanitary sewer main service.

Abandon sanitary sewer pipes that become inactive due to the reconstruction project by capping or with a watertight neoprene gasket and seal and an approved non-shrink concrete grout.

C.3 Installation – Connection to Existing Sanitary Sewer Force Main

Excavate and locate the existing sanitary sewer force main.

Cut pipe ends square, ream pipe and tube ends to full pipe diameter, remove burrs. Use only equipment specifically designed for pipe cutting. The use of chisels or hand saws will not be permitted. Grind edges smooth with beveled end for push-on connections.

Remove scale and dirt on inside and outside before assembly.

Prepare pipe connections to equipment with flanges or unions.

Maintain existing sanitary sewer main service.

D Measurement

The department will measure Sanitary Sewer Connection to Existing (Temporary) and Sanitary Sewer Connection to Existing as each sanitary sewer connection to existing, 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.0060.22	Sanitary Sewer Connection to Existing (Temporary)	EACH
SPV.0060.23	Sanitary Sewer Connection to Existing	EACH

Payment is full compensation performing the temporary and actual connection of new sanitary sewer to existing sanitary sewer structures, sanitary sewers, and sanitary sewer force main; locating the existing pipe; maintaining sanitary sewer service; providing and installing any pipe fittings and pipe couplings; abandoning inactive sanitary sewer pipes; excavating; sealing; grouting; and all materials, equipment, machinery, tools, labor, and construction means and methods required for Connection to the Existing Sanitary Sewer (Temporary) and Connection to the Existing Sanitary Sewer.

63. Sanitary Sewer Lateral Replace, Item SPV.0060.24; Sanitary Sewer Lateral New 4-Inch, Item SPV.0060.25.

A Description

This special provision describes replacing existing sanitary sewer laterals, installing new 4-inch sanitary sewer laterals, and reconnecting existing sanitary sewer laterals to proposed sanitary sewer main (if applicable) as shown on the plans, as directed by the engineer, and as hereinafter provided.

B Materials

B.1 Shop Drawings/Product Submittals

B.1.1 Product Data

Submit catalog cuts and other pertinent data indicating proposed materials, accessories, details, and construction information.

Submit reports indicating field tests made and results obtained.

B.1.2 Manufacturer's Installation Instructions

Indicate special procedures required to install Products specified.

B.1.3 Manufacturer

Company specializing in manufacturing products specified in this section with minimum three years of documented experience.

B.1.4 Installer

Company specializing in performing work of this section with minimum one year of documented experience.

B.1.5 Project Record Documents

Record location of pipe runs, connections, manholes, cleanouts, and invert elevations.

Identify and describe unexpected variations to subsoil conditions or discovery of uncharted utilities.

Provide the Post-Installation Televised Sewer Report and Video.

B.2 Product Materials

B.2.1 Plastic Pipe

ASTM D-1785, Schedule 40, Polyvinyl Chloride (PVC) material; inside nominal diameter of 4-inches, unless noted otherwise on drawings, bell and spigot style solvent sealed joint ends. Each pipe shall be stamped or marked with its type and class and the manufacturer's name or mark.

B.2.2 Fittings

ASTM D-2466, PVC.

B.2.3 Joints

Joints to be made watertight and according to ASTM D-2855, solvent weld with solvent cement according to ASTM D-2564.

B.2.4 Flexible Coupling

Conform to ASTM C-1173. Resilient chemical-resistant elastomeric polyvinyl chloride (PVC) coupling, two stainless-steel clamps and stainless-steel screws and housings. Couplings used shall be sized to match the outside diameter of pipes to be joined.

C. Construction

C.1 Preparation

Block individual and stockpiled pipe lengths to prevent moving.

Do not place pipe or pipe materials on private property or in areas obstructing pedestrian or vehicle traffic.

Do not place pipe flat on ground. Cradle to prevent point stress.

Store UV sensitive materials out of direct sunlight.

Verify that field measurements and elevations are as indicated on the drawings.

Verify that excavation base is ready to receive work and that excavations, dimensions, and elevations are as indicated on drawings. Notify engineer of any discrepancies.

Owner will provide line and grade at a convenient offset. Contractor shall be responsible for preservation of line and grade markings if disturbed, shall pay actual cost of replacement. Give three working days prior notice of need for line and grade.

Contractor shall transfer line and grade from offset to sewer by means of laser beam equipment or other approved methods. Inform engineer of proposed methods and equipment prior to construction. Discontinue methods that do not produce accurate control for setting line and grade.

When replacing existing sanitary sewer, the contractor is to maintain existing sanitary sewer main service and ensure proper flow of the existing raw sewerage by a means approved of by the engineer. The contractor is not allowed to discharge the raw sewerage onto the ground, into a storm sewer, into a stream, etc. at any time during the construction.

C.2 Installation

Excavate pipe trench according to the Trenching Section in these special provisions.

Excavate to lines and grades shown on drawings or as per line and grade furnished by owner.

Excavate and locate the existing sanitary sewer.

Dewater excavations to maintain dry conditions and preserve final grades at bottom of excavation.

Provide sheeting and shoring according to the Trenching Section in these special provisions.

Correct over excavation with fine aggregate or washed stone in wet conditions.

Remove large stones or other hard matter capable of damaging pipe or impeding consistent backfilling or compaction.

Protect and support existing sewer lines, utilities and appurtenances.

Maintain profiles of utilities. Coordinate with other utilities to eliminate interference. Notify engineer where crossing conflicts occur.

Place bedding material as per the Backfill Section in these special provisions.

Pipe shall be laid immediately following the preparation of the bedding material.

Install wye branches or pipe tees at locations indicated on drawings, or when re-connecting existing laterals, do so at the exact location of the existing lateral. They shall be laid concurrently with pipe laying operations. Use standard fittings of same material and joint type as sanitary sewer main.

When feasible, maintain minimum 5-foot separation distance between wye connection and manhole.

Laterals shall be laid according to the local plumbing code and Wisconsin Administrative Code Section Comm 82.30.

Construct laterals from wye branch to terminal point at right-of-way or as indicated on drawings. Where depth of main pipeline warrants, construct riser type laterals from wye branch.

Place backfill material around and above the pipe as per the Backfill Section in these special provisions.

When feasible, maintain minimum 5-foot separation distance between laterals. Laterals shall be laid as nearly as possible perpendicular to main line sewer. Contractor to keep an accurate record of the lengths and locations of laterals.

Minimum grade of lateral piping shall be ¼-inch per foot. A grade of 1/8-inch per foot may be used in situations where cover is a concern or where basement drainage is a concern.

For newly installed laterals, install watertight plug, braced to withstand pipeline test pressure thrust, at termination of lateral, which, unless noted on drawings, shall be the right-of-way. Install temporary marker stake extending from end of lateral to 48-inches above finished grade. Paint top 6-inches of stake with fluorescent green paint.

When reconnecting to an existing lateral, install an appropriate flexible pipe coupling according to the manufacturer's directions to ensure a watertight joint.

Protect pipe and aggregate cover from damage or displacement until backfilling operation is complete. Take care not to damage or displace installed pipe and joints during construction of pipe supports, backfilling, testing, and other operations. Repair or replace pipe that is damaged or displaced from construction operations.

C.3 Field Quality Control

Request inspection prior to and immediately after placing bedding.

When tests indicate work does not meet specified requirements, remove work, replace and retest.

C.3.1 Pressure Test

Test according to the Sewer and Manhole Testing Section in these special provisions.

C.3.2 Infiltration Test

Test according to the Sewer and Manhole Testing Section in these special provisions.

C.3.3 Closed-Circuit Televising of Sanitary Sewer

Test according to the Sewer and Manhole Testing Section in these Special Provisions. After installation, the contractor shall have the sanitary sewer main televised by a company qualified to televise sanitary sewer mains and approved by the owner.

D Measurement

The department will measure Sanitary Sewer Lateral Replace and Sanitary Sewer Lateral New 4-Inch as each sanitary sewer lateral, 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.0060.24	Sanitary Sewer Lateral Replace	EACH
SPV.0060.25	Sanitary Sewer Lateral New 4-Inch	EACH

Payment is full compensation for locating and verifying activity of the existing lateral; connecting to the existing lateral and sanitary sewer main; maintaining sanitary sewer service; supplying and installing all pipe and fittings and couplings; excavating; bedding; backfilling; compacting; and construction means and methods necessary for the Sanitary Sewer Lateral Replacement.

Payment is full compensation for connecting to the sanitary sewer main; supplying and installing all pipe and fittings, couplings, and marker post; excavating; bedding; backfilling; compacting; and construction means and methods necessary for the new Sanitary Sewer Lateral installation.

64. Type 1 Manhole Rehabilitation, Item SPV.0060.26; Type 2 Manhole Rehabilitation, Item SPV.0060.27.

A Description

This special provision describes rehabilitating existing sanitary sewer manhole barrel and chimney sections as per Table B: Sanitary Sewer Manhole Rehabilitation as shown on the plans, as directed by the engineer, and as hereinafter provided.

B Materials

B.1 Shop Drawings/Product Submittals

B.1.1 Shop Drawing

Submit manhole covers, component construction, features, configuration, and dimensions.

Obtain precast concrete utility structures from single source.

Perform structural design according to ACI 318. Perform Work according to NPCA Quality Control Manual for Precast Plants. Conform to ASTM C-478.

B.1.2 Manufacturer

Company specializing in manufacturing products specified in this Section with minimum three years of documented experience.

Comply with precast concrete manufacturer's instructions for unloading, storing and moving precast manholes and drainage structures.

Store precast concrete manholes and drainage structures to prevent damage to owner's property or other public or private property. Repair property damaged from materials storage.

Mark each precast structure by indentation or waterproof paint showing date of manufacture, manufacturer, and identifying symbols and numbers shown on drawings to indicate its intended use.

B.1.3 Installer

Company specializing in performing work of this section with minimum one year of documented experience.

B.2 Product Materials

B.2.1 Precast Risers

Reinforced precast concrete according to ASTM C-478. Inside diameter to be 48-inches unless otherwise designated on the plans.

B.2.2 Top Section

Reinforced precast top section according to ASTM C-478. Top section shall be an eccentric cone. In the event where space does not allow for an eccentric cone top, a minimum of 8-inch-thick (48-inch diameter and 60-inch diameter) may be substituted with engineer's permission.

B.2.3 Joints

Joints to be made watertight utilizing rubber ring gasket or butyl sealant. Rubber ring gasket to comply with ASTM C-443. Butyl sealant to comply with ASTM C-990 and AASHTO M-198

B.2.4 Adjusting Rings

Provide High Density Polyethylene (HDPE) tapered adjusting rings by Ladtech, Inc. or preapproved equal. HDPE to conform to ASTM D1248. Minimum thickness to be 1-inch and maximum thickness to be 6-inches. Install as per manufacturer's specifications. Place an approved butyl sealant between rings to properly seal them.

B.2.5 Steps

Steps shall conform to ASTM C-478 and be made with an approved plastic such as copolymer polypropylene, reinforced with a 1/2-inch diameter Grade 60 steel reinforcing bar. Steps to be manufactured by M.A. Industries or a preapproved equal. Steps shall be 12-inches wide, 16-inches on center vertically, and be set into structure wall.

B.2.6 Frames and Covers

Frames and covers to be as per Table B: Sanitary Sewer Manhole Rehabilitation of the Project Plans. Castings to conform to ASTM A48, Class 30B Cast iron construction. Lids shall be of uniform quality, free from blow holes, porosity, hard spots, shrinkage defects, cracks or other serious defects. Lids shall also have machined flat bearing surface, sealed pick holes, self-sealing neoprene O-ring gasket, and be traffic rated (unless otherwise noted).

B.2.7 External Joint Seals

An external joint seal shall be installed on each section joint of all sanitary manholes and for concrete adjustment rings according to the manufacturer's instructions. External joint seal shall meet or exceed the requirements of ASTM C-877, type II. External joint seals shall be CretexWrap External Manhole Joint Seals, MacWrap, or pre-approved equal conforming to the following requirements:

External joint seals shall consist of a collar 9-inch wide with an outer layer of polyethylene, with a minimum tensile strength of 4000 psi and a minimum tear resistance of 1500 psi, and an under layer of rubberized mastic that is reinforced with a woven polypropylene fabric. Two 5/8-inch steel straps shall be located within the collar 3/4-inches from each edge. The straps shall be confined in tubes that isolate them from the mastic and allow them to slip freely when mechanically tightened and locked around the manhole joint. The collar shall be furnished with a minimum of 6-inch overlap and a closing flap to cover any remaining exposed strap. External joint seals shall be able to withstand a 13-psi air test.

B.2.8 Frame Seal

As shown on the plans or directed by the engineer, a frame seal with extensions where needed to cover the entire chimney area, shall be installed on sanitary manholes according to the manufacturer's instructions.

A frame seal, as shown on the attached drawings, with extensions where needed to cover the entire chimney area, shall be installed on all sanitary manholes according to the manufacturer's instructions.

External/internal Adaptor Seals for casting and adjustment rings shall be Adaptor Seal or pre-approved equal.

Frame seals shall consist of a flexible internal rubber sleeve, interlocking extensions and stainless-steel expansion bands as manufactured by Cretex Specialty Products or a preapproved equal conforming to the following requirements:

The seal shall remain flexible throughout a 25-year design life, allowing repeated vertical movement of the frame of not less than 2-inches and/or repeated horizontal movement of not less than 1/2-inch. The sleeve portion of the seal shall be either double or triple pleated with a minimum unexpanded vertical height of 8-inches, 10 or 13-inches respectively. The sleeve and extension shall have a minimum thickness of 3/16-inches and shall be made from a high-quality rubber compound conforming to the applicable requirements of ASTM C-923, with a minimum 1500 psi tensile strength, a maximum 18% compression set and a hardness (durometer) of 48+5. The area of the seal that compresses against the

manhole frame/casting and the chimney/cone shall have a series of sealing fins to facilitate a watertight seal. These sealing fins shall have teardrop holes or air pockets to allow the sealing area to conform to minor irregularities that may be encountered.

The bands shall be integrally formed from 16-gauge stainless steel conforming to ASTM A-240, Type 304, with no welded attachments; shall have a minimum adjustment range of 2 diameter inches; and shall have a positive locking mechanism. Any screws, bolts or nuts used for this mechanism shall be stainless steel conforming to ASTM F-593 and 594, Type 304.

C Construction

C.1 Preparation

Verify that items provided by other sections of Work are properly sized and located.

Verify that built-in items are in proper location, and ready for roughing into work.

Verify correct size of manhole and structure excavation.

Inspect precast concrete manholes and structures immediately prior to placement in excavation to verify manholes and structures are internally clean and free from damage. Remove and replace damaged units.

C.2 Installation

Excavate for manholes and structures according to standard spec 205 in location and to depth shown. Provide clearance around sidewalls of manhole or structure for construction operations, and granular backfill. When groundwater is encountered, prevent accumulation of water in excavations. Place manholes or structures in dry trench. If contractor is unable to place manhole or structure in dry trench, he is to contact engineer for direction.

Where possibility exists of watertight manhole or structure becoming buoyant in flooded excavation, anchor manhole or structure to avoid flotation.

If over excavation occurs, backfill with concrete or compacted granular material.

Construct standard manholes of precast bases, precast risers, precast top section, adjustment rings, and appurtenances according to standard detail.

Install external joint seals on each section joint of all sanitary manholes and for adjustment rings according to the manufacturer's instructions.

Backfill excavations for manholes and structures according to the Backfill Section in these special provisions.

For rehabilitation procedures that require removing, rotating, and resetting an existing cone section, properly expose existing joint and remove the existing cone section. Remove foreign materials from joint surfaces and verify sealing materials are placed properly. Rotate and reinstall cone section as shown on the plans or directed by the engineer. If during the process of rehabilitating the existing manhole any of the existing components that are listed in Table B: Sanitary Sewer Manhole Rehabilitation to remain are damaged they must be replaced at no cost to the owner.

Lift precast manholes and structures at lifting points designated by manufacturer. When lowering manholes and structures into excavations and joining pipe to units, take precautions to ensure interior of pipeline and manhole or structure remains clean.

Assemble multi-section manholes and structures by lowering each section into excavation. Install compatible rubber ring gasket or butyl sealant between precast sections according to manufacturer's recommendations. Under weight of superimposed sections, gasket material shall form a tightly packed, watertight seal in annular joint space. Lower, set level, and firmly position base section before placing additional sections.

Verify manholes and structures installed satisfy required alignment and grade.

When existing sanitary sewer pipes are to be abandoned inside an existing manhole, fill annular space with hydraulic, non-shrink mortar.

Set frames using mortar and adjustment rings. Butyl sealant shall be placed between precast cone and first ring, between individual rings, and between top ring and casting. Set cover frames and covers to within minus 0.01 feet to minus 0.03 feet of grade shown for finished pavement. Match street grades and cross-slope.

Install external/internal seal for casting and adjustment rings as per manufacturer's instructions for the designated manholes as per the plans or directed by the engineer.

When located in an unpaved area, set frame and cover 6-inches above finished grade to allow area to be graded away from cover beginning 2-inches below top surface of frame.

Test concrete manhole and structure sections according to ASTM C-497.

Maintain existing sanitary sewer main service.

C.3 Manhole Grade Adjustment

Where required, adjust top elevation of manholes and structures to final grade as indicated on the plans or as directed by the engineer.

Use flat or tapered HDPE manhole rings to achieve elevation indicated for frame and cover. Do not adjust elevation more than 6-inches with HDPE manhole rings.

Seal joints between manhole top, adjustment rings, and frame with sealant.

Reinstall removed manhole frame and cover.

See Table B: Sanitary Sewer Manhole Rehabilitation for a schedule of sizes, castings, elevations, and rehabilitation instructions for both Type 1 and Type 2 rehabilitation processes.

D Measurement

The department will measure Type 1 and Type 2 Manhole Rehabilitation as each sanitary sewer manhole rehabilitation, 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.0060.26	Type 1 Manhole Rehabilitation	Each
SPV.0060.27	Type 2 Manhole Rehabilitation	Each

Payment is full compensation for removing, rotating, and reinstalling the existing cone section; removing the existing cone section and replacing with a flat top section; removing and reinstalling the existing casting and seals; supplying and installing casting, adjustment rings, and seals, excavating; backfilling; compacting; and construction means and methods necessary for the Type 1 Manhole Rehabilitation.

Payment is full compensation for removing and reinstalling the existing casting and seals; supplying and installing casting, adjustment rings, and seals, excavating; backfilling; compacting, and construction means and methods necessary for the Type 2 Manhole Rehabilitation.

65. Water Main Gate Valve 4-Inch, Item SPV.0060.28; Water Main Gate Valve 6-Inch, Item SPV.0060.29; Water Main Gate Valve 8-Inch, Item SPV.0060.30.

A Description

This special provision describes furnishing and installing water main gate valves and all associated fittings as shown on the plans, as further directed by the engineer in the field, and as hereinafter provided.

B Materials

B.1 References

B.1.1 American Water Works Association

AWWA C502 - Dry-Barrel Fire Hydrants.

AWWA C509 - Resilient-Seated Gate Valves for Water-Supply Service.

AWWA C550 - Protecting Epoxy Interior Coating for Valves and Hydrants.

AWWA C600 - Installation of Ductile-Iron Water Mains and Their Appurtenances.

B.1.2 National Sanitation Foundation

NSF 61 - Drinking Water System Components - Health Effects

B.2 Product Submittals

B.2.1 Product Data

Submit product data to be used including hydrants, pipes, and accessories.

B.2.2 Design Data

Submit manufacturer's latest published literature including illustrations, installation instructions, maintenance instructions and parts lists.

B.2.3 Manufacturer's Installation Instructions

Indicate special procedures required to install Products specified.

B.2.4 Manufacturer's Certificates

Submit Statement of Compliance, supporting data, from material suppliers attesting that valves, hydrants, and accessories provided meet or exceed AWWA Standards and specification requirements.

B.2.5 Manufacturer

Company specializing in manufacturing products specified in this Section with minimum three years of documented experience.

B.2.6 Installer

Company specializing in performing work of this section with minimum one year of documented experience.

B.2.7 Project Record Documents

Record actual locations of hydrants, fittings, connections, thrust blocks, joint restraints, valves, and elevations.

Identify and describe unexpected variations to subsoil conditions or discovery of uncharted utilities.

Provide Operation and Maintenance Data for fire hydrants and valves.

B.3 Product Materials

B.3.1 Resilient Wedge Gate Valves

B.3.1.1 Manufacturers

Kennedy

American Flow Control

Clow

Substitutions: Pre-approved equal.

B.3.1.2 Components

AWWA C509; ductile iron.

Resilient seats.

Stem: Non-rising bronze stem.

Operating Nut: 2-inch square; open counterclockwise unless otherwise indicated.

Ends: Mechanical joint connections.

Coating: AWWA C550; interior/exterior.

Sizes 12-inch diameter and smaller: working pressure, 150 psig, tested to 300 psig.

B.3.2 Valve Boxes

Valve boxes to be Tyler/Union 6860 series, Bingham Taylor, or pre-approved equal.

Valve boxes to be domestic, made in U.S.A, cast iron, three-piece, screw type, with a round base.

Cast iron lid, marked "Water".

Provide Gate Valve Adaptor by Adaptor, Inc. or pre-approved equal.

B.3.3 Accessories

B.3.3.1 Concrete for Thrust Restraints

Concrete type specified in Section 03300. Solid concrete blocks may be substituted with permission from engineer.

B.3.3.2 Joints

ASTM D3139 PVC flexible elastomeric seals. Solvent-cement couplings are not permitted.

B.3.3.2 Joint Restraints

Joints connecting pipes to fittings, valves, and hydrants shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.

- Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.
- Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series 1100, TUF Grip, or pre-approved equal.

C Construction

C.1 Preparation

Prepare valves, hydrants and accessories for shipment according to AWWA Standards and seal valve, hydrant and ends to prevent entry of foreign matter into product body.

Deliver and store valves in shipping containers with labeling in place. Store products in areas protected from weather, moisture, or possible damage; do not store products directly on ground; handle products to prevent damage to interior or exterior surfaces.

Conduct operations not to interfere with, interrupt, damage, destroy, or endanger integrity of surface or subsurface structures or utilities, and landscape in immediate or adjacent areas.

Verify that field measurements and elevations are as indicated on the drawings.

Verify that excavation base is ready to receive work and that excavations, dimensions, and elevations are as indicated on drawings. Notify engineer of any discrepancies.

Identify required lines, levels, contours and datum locations.

Locate, identify, and protect utilities to remain from damage.

Do not interrupt existing utilities without permission and without making arrangements to provide temporary utility services.

Perform trench excavation according to the Trenching Section in these Special Provisions.

Perform bedding, backfilling and compaction according to the Backfill Section in these Special Provisions.

C.2 Installation

Install valves in conjunction with pipe laying according to the Water Main Section in these Special Provisions. Set valves plumb. Contractor to verify that valve will be operated with valve wrench.

Provide buried valves with valve boxes installed flush with finished grade.

Install Gate Valve Adaptors according to manufacturer's instructions.

Protect valve and valve box from damage or displacement until backfilling operation is complete. Take care not to damage or displace installed valves and valve boxes during construction of pipe supports, backfilling, testing, and other operations. Repair or replace valve or valve box that is damaged or displaced from construction operations.

Maintain existing water main service.

C.3 Field Quality Control

Disinfection: Flush and disinfect potable water distribution system according to the Disinfection of Water Distribution System Section in these Special Provisions.

Pressure Test: Perform pressure test on valves according to AWWA C600 and the Water Main Section in these Special Provisions.

D Measurement

The department will measure Water Main Gate Valve (size) as each water main gate valve, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.28	Water Main Gate Valve 4-Inch	EACH
SPV.0060.29	Water Main Gate Valve 6-Inch	EACH
SPV.0060.30	Water Main Gate Valve 8-Inch	EACH

Payment is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; furnishing and installing the gate valve, valve box, gate valve adaptor, fittings, concrete thrust blocks, joint restraints, accessories, and tests.

**66. Water Main Connection to Existing (Temporary), Item SPV.0060.31;
Water Main Connection to Existing, Item SPV.0060.32.**

A Description

This special provision describes providing temporary connections for project phasing and permanent connections for the proposed water main to an existing water main as shown on the plans, directed by the engineer, and as hereinafter provided.

B Materials

B.1 Fittings

Ductile iron, made in U.S.A., Full Body fittings conforming to AWWA C110 or Compact fittings conforming to AWWA C153. 250 psig working pressure. Foundry must be NSF 61 Certified.

B.1.1 Coating and Lining

Bituminous Coating: AWWA C110.

Cement Mortar Lining: AWWA C104, standard thickness.

B.2 Accessories

B.2.1 Concrete for Thrust Restraints

Concrete type specified in Section 03300. Solid concrete blocks may be substituted with permission from engineer.

B.2.2 Joint Restraints

Joints connecting pipes to fittings, valves, and hydrants shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.

- Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.
- Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series 1100, TUF Grip, or pre-approved equal.

C Construction

Excavate and locate the existing water main.

Verify existing utility water main sizes, locations, and elevations are as indicated on drawings.

Cut pipe ends square, ream pipe and tube ends to full pipe diameter, remove burrs. Use only equipment specifically designed for pipe cutting. The use of chisels or hand saws will not be permitted. Grind edges smooth with beveled end for push-on connections.

Remove scale and dirt on inside and outside before assembly.

Prepare pipe connections to equipment with flanges or unions.

Prevent construction debris from entering water main pipes when making connection.

Maintain existing water service.

D Measurement

The department will measure Water Main Connection to Existing (Temporary) and Water Main Connection to Existing as each water main connection to existing, 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.0060.31	Water Main Connection to Existing (Temporary)	EACH
SPV.0060.32	Water Main Connection to Existing	EACH

Payment is full compensation performing the actual connection of new water main to existing water main; locating the existing pipe; maintaining water service; providing and installing any pipe fittings and pipe couplings; excavating; and sealing

- 67. Water Service Replace 1-Inch, Item SPV.0060.33;
Type 1 Lead Water Service Replace 1-Inch, Item SPV.0060.34;
Type 2 Lead Water Service Replace 1-Inch, Item SPV.0060.35;
Water Service Replace 1 ½-Inch, Item SPV.0060.36;
Water Service Replace 4-Inch, Item SPV.0060.37;
Water Service Replace 6-Inch, Item SPV.0060.38;
Water Service New 1-Inch, Item SPV.0060.39;
Water Service New 4-Inch, Item SPV.0060.40.**

A Description

This special provision describes replacing or installing new water services as shown on the plans, as further directed by the engineer in the field, and as hereinafter provided.

B Materials

B.1 References

B.1.1 ASTM International

ASTM B62 - Standard Specification for Composition Bronze or Ounce Metal Castings.

ASTM B88 - Standard Specification for Seamless Copper Water Tube.

ASTM D2241 - Standard Specification for Polyvinyl Chloride (PVC) Pressure-Rated Pipe (SDR Series).

B.1.2 American Welding Society

AWS A5.8 - Specification for Filler Metals for Brazing and Braze Welding.

B.1.3 American Water Works Association

AWWA C600 - Installation of Ductile-Iron Water Mains and Their Appurtenances.

AWWA C800 - Underground Service Line Valves and Fittings.

B.2 Product Submittals

B.2.1 Product Data

Submit data on pipe materials, pipe fittings, corporation stop assemblies, curb stop assemblies, meters, meter setting equipment, service saddles, and accessories.

B.2.2 Manufacturer's Installation Instructions

Indicate special procedures required to install products specified.

B.2.3 Manufacturer's Certificates

Submit Statement of Compliance, supporting data, from material suppliers attesting that pipe materials, corporation stop assemblies, curb stop assemblies, and accessories provided meet or exceed AWWA Standards and specification requirements.

B.2.4 Manufacturer

Company specializing in manufacturing products specified in this section with minimum three years of documented experience.

B.2.5 Installer

Company specializing in performing work of this section with minimum one year of documented experience.

B.2.6 Project Record Documents

Record actual locations of piping, curb stops, connections, thrust restraints, and elevations.

Identify and describe unexpected variations to subsoil conditions or discovery of uncharted utilities.

B.3 Product Materials

B.3.1 Water Service Piping and Fittings

B.3.1.1 Copper Tubing

ASTM B88, Type K, soft annealed seamless copper:

B.3.1.1.1 Product

Name of manufacturer shall be plainly marked on all piping and fittings.

B.3.1.1.2 Fittings

ASME B16.18, cast copper, or ASME B16.22, wrought copper.

B.3.1.1.3 Joints

Compression connection.

B.3.1.2 Polyvinyl Chloride

Polyvinyl Chloride (PVC): AWWA C900, Class 150, DR 18, for nominal thickness, rated water working pressure and maximum depth of cover.

B.3.1.2.1 Accessories

B.3.2.1 Concrete for Thrust Restraints

Conform to standard spec 501. Solid concrete blocks may be substituted with permission from engineer.

B.3.2.1.1 Concrete Blocks for Support

Solid concrete, 8"x16"x4" blocks.

B.3.2.2 Tracer Wire and Terminal Box

Magnetic detectable conductor, 12 GA, and brightly colored plastic covering. Terminal to be a Tracer Wire Access Box extending below finished grade at each hydrant to be installed. Required for all water main pipe installations.

B.3.2.3 Fittings

Ductile iron, Full Body fittings conforming to AWWA C110 or Compact fittings conforming to AWWA C153. 250 psig working pressure. Foundry must be NSF 61 Certified.

B.3.2.3.1 Coating and Lining

Bituminous Coating: AWWA C110.

Cement Mortar Lining: AWWA C104, standard thickness.

B.3.2.4 Joint Restraints

Joints connecting pipes to fittings, valves, and hydrants shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.

- Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.
- Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series 1100, TUF Grip, or pre-approved equal.

B.3.2 Corporation Stop Assembly

B.3.2.1 Manufacturers

1-Inch A.Y. McDonald Ball Style Corporation Valve Model 74701BQ (compression) or pre-approved equal.

1 ½-Inch A.Y. McDonald Ball Style Corporation Valve Model 74701BQ (compression) or pre-approved equal.

B.3.2.2 Components

Brass body conforming to ASTM B62.

Compression type joints.

Inlet end threaded for tapping according to AWWA C800.

Outlet end suitable for service pipe specified.

B.3.2.3 Service Saddles

For PVC pipe, Smith-Blair, style 372; Cascade Waterworks Manufacturing stainless steel water service saddle, style CSC2; or pre-approved equal, designed to hold pressures in excess of pipe working pressure.

B.3.3 Curb Stop Assembly

B.3.3.1 Manufacturers

1-Inch A.Y. McDonald Model 76104Q Minneapolis Pattern Ball Valve or pre-approved equal.

1 ½-Inch A.Y. McDonald Model 76104Q Minneapolis Pattern Ball Valve or pre-approved equal.

B.3.3.2 Components

Conform to AWWA C800.

Brass body conforming to ASTM B62.

Compression type joints.

Positive pressure sealing.

B.3.4 Curb Boxes and Covers

B.3.4.1 Manufacturers

Cast iron body, Extension Type, A.Y. McDonald Model 5614 for 1-inch curb stops or pre-approved equal.

Cast iron body, Extension Type, A.Y. McDonald Model 5615 for 1 ½-inch curb stops or pre-approved equal.

B.3.4.2 Components

Minneapolis Pattern Base.

A.Y. McDonald Model 5614L Lid with inscription WATER, with Pentagon Plug.B.3.4 or pre-approved equal.

Adjustable between 72" – 84".

Internal Shut-off Rod (48" length).

C Construction

C.1 Preparation

During loading, transporting, and unloading of materials and products, exercise care to prevent any damage.

Store products and materials off ground and under protective coverings and custody, away from walls, and in manner to keep these clean and in good condition until used.

Exercise care in handling precast concrete products to avoid chipping, cracking, and breakage.

Conduct operations not to interfere with, interrupt, damage, destroy, or endanger integrity of surface or subsurface structures or utilities, and landscape in immediate or adjacent areas.

Verify size, location, and elevation of the building service connection and municipal water main.

Verify that excavation base is ready to receive work and that excavations, dimensions, and elevations are as indicated on drawings. Notify engineer of any discrepancies.

Identify required lines, levels, contours and datum locations.

Locate, identify, and protect utilities to remain from damage.

Do not interrupt existing utilities without permission and without making arrangements to provide temporary utility services.

Perform trench excavation according to the Trenching Section in these special provisions.

Cut pipe ends square, ream pipe and tube ends to full pipe diameter, remove burrs.

Remove scale and dirt on inside and outside before assembly.

Prepare pipe connections to equipment with flanges or unions.

Perform bedding, backfilling and compaction according to the Backfill Section in these special provisions.

Contractor to field verify all water services for activity and abandon any inactive water services.

C.2 Installation

C.2.1 Corporation Stop Assembly

Make connection for each different kind of water main using suitable materials, equipment and methods approved by the engineer.

Provide service clamps for mains other than of cast iron or ductile iron mains.

Screw corporation stops directly into tapped and threaded iron main at 9 and 3 o'clock position on main's circumference; locate corporation stops at least 24 inches apart longitudinally and staggered.

For plastic pipe water mains, provide full support for service clamp for full circumference of pipe, with minimum 2-inches width of bearing area; exercise care against crushing or causing other damage to water mains at time of tapping or installing service clamp or corporation stop.

Use proper seals or other devices so no leaks are left in water mains at points of tapping; do not backfill and cover service connection until approved by the engineer.

C.2.2 Pipe and Fittings

Excavate pipe trench according to the Trenching Section in these special provisions.

Place bedding material at trench bottom according to the Backfill Section in these special provisions.

Backfill around sides and to top of pipe according to the Backfill Section in these special provisions.

Maintain optimum moisture content of fill material to attain required compaction density.

Place backfill material according to the Backfill Section in these special provisions.

Maintain separation of water main from sewer piping according to State of Wisconsin Plumbing code.

Group piping with other site piping work whenever practical.

Install pipe to indicated elevation to within tolerance of 1-inch.

Route pipe in straight line.

Provide copper service pipe free of splices from corporation cock to property line or curb stop.

Install pipe to allow for expansion and contraction without stressing pipe or joints.

Install access fittings to permit disinfection of water system performed under the Water Main Section and according to the Disinfection of Water Distribution System Section in these special provisions.

Form and place concrete for thrust restraints at each elbow or change of direction of pipe main.

Establish elevations of buried piping with not less than 7-feet of cover.

Protect all water service piping, valves, curb stop box, and fittings from damage or displacement until backfilling operation is complete. Take care not to damage or displace installed piping, valves, curb stop boxes, and fittings during construction of pipe supports, backfilling, testing, and other operations. Repair or replace water service piping, valves, curb stop boxes, and fittings that are damaged or displaced from construction operations.

C.2.3 Curb Stop Assembly

Set curb stops on solid bearing.

Center and plumb curb box over curb stops. Set box cover flush with finished grade. If the curb box is located in a concrete or paved area, a PVC sleeve is to be installed around the curb box.

Install curb stop assembly at property line. New services shall be provided with a stub pipe which is peened closed. Mark end with 4-inch x 4-inch post, 6-foot long, projecting 12-inches out of ground, and painted blue. Existing services which are re-laid or reconnected to shall be reconnected at lot line with a suitable pipe coupling.

C.2.4 Type 1 vs Type 2 Lead Water Service Replacement

Lead and galvanized water services must be replaced to inside buildings, houses, and structures within the Project area. The project contains two unique types of lead water service replacements. Type 1 is a situation where there is no basement/crawl space access to replace the lead or galvanized service line under the building from the curb stop to the meter or non-lead or non-galvanized water piping. Type 2 is a situation where there is basement/crawl space access to replace the lead or galvanized service line under the building from the curb stop to the meter or non-lead or non-galvanized water piping.

Information regarding the condition, location, activity, size, etc. of the lead services lines for the Type 1 situation are not complete. Available records from the city were reviewed and the information from these reviews is located on Table F: Type 1 Lead Water Service Replacement on the plans. The contractor is responsible for coordinating with the city and private property owner to access any available records that may aid in the replacement of the Type 1 lead water service lines.

Contractor to coordinate replacement of the Type 1 and Type 2 lead water service replacements with the city and private property owner and replace as per the Project Plan details or as approved by the city and private property owner.

C.3 Field Quality Control

Disinfection: Flush and disinfect potable water distribution system according to the Disinfection of Water Distribution System Section in these Special Provisions.

Pressure Test: Perform pressure test according to AWWA C600 and the Water Main Section in these special provisions.

C.4 Coordination

Lead and galvanized water services must be replaced to inside buildings, houses, and structures within the project area. The contractor is responsible to replace existing water service from end of new curb stop to inside their building, house, or structure. Contractor must coordinate water service replacement with property owner.

D Measurement

The department will measure Water Service Replace 1-Inch, Lead Water Service Replace 1-Inch, Water Service Replace 1 ½-Inch, Water Service Replace 4-Inch, Water Service Replace 6-Inch, Water Service New 1-Inch and 4-Inch as each water service replaced or installed, 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.0060.33	Water Service Replace 1-Inch	EACH
SPV.0060.34	Type 1 Lead Water Service Replace 1-Inch	EACH
SPV.0060.35	Type 2 Lead Water Service Replace 1-Inch	EACH
SPV.0060.36	Water Service Replace 1 ½-Inch	EACH
SPV.0060.37	Water Service Replace 4-Inch	EACH
SPV.0060.38	Water Service Replace 6-Inch	EACH
SPV.0060.39	Water Service New 1-Inch	EACH
SPV.0060.40	Water Service New 4-Inch	EACH

Payment for Type 2 Lead Water Service Replace 1-Inch is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; locating and verifying activity of the existing water service; abandoning inactive existing water services; connection to the proposed water main and to the existing water service piping; furnishing and installing the corporation stop, curb stop, curb box and cover, piping, fittings, concrete blocks, PVC sleeve around curb box in concrete or asphalt area, and accessories; and testing.

Payment for Water Service Replace is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; locating and verifying activity of the existing water service; abandoning inactive existing water services; connection to the proposed water main; furnishing and installing the corporation stop, curb stop, curb box and cover, piping, fittings, concrete blocks, PVC sleeve around curb box in concrete or asphalt area, and accessories; testing; coordinating water service replacement with property owner and city.

Payment for Water Service New is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; connection to the proposed water main and to the existing water service piping; furnishing and installing the corporation stop, curb stop, curb box and cover, piping, fittings, concrete blocks, PVC sleeve around curb box in concrete or asphalt area, 4"x4" wooden post, and accessories; and testing.

68. **Yard Hydrant, Item SPV.0060.41; Meter Pit, Item SPV.0060.42; Water Valve Structure, Item SPV.0060.43.**

A Description

This special provision describes providing yard hydrants, meter pits, and water valve structures.

B Materials

B.1 Yard Hydrant Manufacturers

Woodford IOWA Yard Hydrant, Model Y1.

Substitutions: Pre-approved equal.

B.2. Yard Hydrant Components

Casing: 1.25" galvanized steel pipe.

Female inlet: 1" NPT

Operating road: 3/8" galvanized steel pipe

Drain hole: Tapped – 1/8" NPT

Maximum working pressure: 125 psi

B.3 Meter Pit Manufacturers

Ford 1-1/2" Plastic Meter Pit Setter Model PDBB-488-36HB-60-NL.

Substitutions: Pre-approved equal.

B.3 Water Piping and Fittings

Copper Tubing: ASTM B88, Type K, soft annealed seamless copper:

Product: Name of manufacturer shall be plainly marked on all piping and fittings.

Fittings: ASME B16.18, cast copper, or ASME B16.22, wrought copper.

Joints: Compression connection or flared flange.

B.4 Corporation Stop Assembly

B.4.1 Manufacturers

1-Inch A.Y. McDonald Ball Style Corporation Valve Model 74701BQ (compression).

1 ½-Inch A.Y. McDonald Ball Style Corporation Valve Model 74701BQ (compression).

Substitutions: Not Permitted.

B.4.2 Components

Brass body conforming to ASTM B62.

Compression type joints.

Inlet end threaded for tapping according to AWWA C800.

Outlet end suitable for service pipe specified.

B.4.3 Service Saddles

For PVC pipe, Smith-Blair, style 372; Cascade Waterworks Manufacturing stainless steel water service saddle, style CSC2; or pre-approved equal, designed to hold pressures in excess of pipe working pressure.

B.5 Shop Drawings/Product Submittals

B.5.1 Shop Drawing

Indicate structure locations, elevations, piping, sizes and elevations of penetrations, and structure components.

Submit manhole covers, component construction, features, configuration, and dimensions.

Obtain precast concrete utility structures from single source.

Perform structural design according to ACI 318. Perform Work according to NPCA Quality Control Manual for Precast Plants. Conform to ASTM C-478.

B.5.2 Manufacturer

Company specializing in manufacturing products specified in this Section with minimum three years of documented experience.

Comply with precast concrete manufacturer's instructions for unloading, storing and moving precast manholes and drainage structures.

Store precast concrete manholes and drainage structures to prevent damage to owner's property or other public or private property. Repair property damaged from materials storage.

Mark each precast structure by indentation or waterproof paint showing date of manufacture, manufacturer, and identifying symbols and numbers shown on Drawings to indicate its intended use.

B.6 Product Materials for Water Valve Structure

B.6.1 Precast Risers

Reinforced precast concrete according to ASTM C-478. Inside diameter to be 48-inches unless otherwise designated on the plans.

B.6.2 Precast Bases

Reinforced precast concrete bases according to ASTM C-478. Bases shall be minimum 6-inches thick and cast integral with the first riser. Inside diameter to be 48-inches unless otherwise designated on the plans. Provide pipe supports.

B.6.3 Top Section

Reinforced precast top section according to ASTM C-478. Top section shall be an eccentric cone. In the event where space does not allow for an eccentric cone top, a minimum of 8-inch-thick (48-inch diameter and 60-inch diameter) may be substituted with engineer's permission.

B.6.4 Joints

Joints to be made watertight utilizing rubber ring gasket or butyl sealant. Rubber ring gasket to comply with ASTM C-443. Butyl sealant to comply with ASTM C-990 and AASHTO M-198

B.6.5 Flexible Pipe Boot

Conform to ASTM C-923. Provide flexible, watertight, gasketed seals for pipe entrance holes. Boots are to have stainless steel clamp and stainless-steel hardware. Pipe seal to be Press-Seal PSX or preapproved equal.

B.6.6 Adjusting Rings

Provide High Density Polyethylene (HDPE) tapered adjusting rings by Ladtech, Inc. or preapproved equal. HDPE to conform to ASTM D1248. Minimum thickness to be 1-inch and maximum thickness to be 6-inches. Install as per manufacturer's specifications. Place an approved butyl sealant between rings to properly seal them.

B.6.7 Steps

Steps shall conform to ASTM C-478 and be made with an approved plastic such as copolymer polypropylene, reinforced with a 1/2-inch diameter Grade 60 steel reinforcing bar. Steps to be manufactured by M.A. Industries or a preapproved equal. Steps shall be 12-inches wide, 16-inches on center vertically, and be set into structure wall.

B.6.8 Frames and Covers

Frames and covers to be Neenah Foundry Co. Model No. R-1916-C with non-rocking, self-sealing, bolt-down lid with stainless steel bolts and secured to the concrete structure as per plans or pre-approved equal. Castings to conform to ASTM A48, Class 30B Cast iron construction. Lids shall be of uniform quality, free from blow holes, porosity, hard spots, shrinkage defects, cracks or other serious defects. Lids shall also have machined flat bearing surface, sealed pick holes, self-sealing neoprene O-ring gasket, and be traffic rated (unless otherwise noted).

B.6.9 External Joint Seals

An external joint seal shall be installed on each section joint of all sanitary manholes and for concrete adjustment rings according to the manufacturer's instructions. External joint seal shall meet or exceed the requirements of ASTM C-877, type II. External joint seals shall be CretexWrap External Manhole Joint Seals, MacWrap, or pre-approved equal conforming to the following requirements:

External joint seals shall consist of a collar 9-inch wide with an outer layer of polyethylene, with a minimum tensile strength of 4000 psi and a minimum tear resistance of 1500 psi, and an under layer of rubberized mastic that is reinforced with a woven polypropylene fabric. Two 5/8-inch steel straps shall be located within the collar 3/4-inches from each edge. The straps shall be confined in tubes that isolate them from the mastic and allow them to slip freely when mechanically tightened and locked around the manhole joint. The collar shall be furnished with a minimum of 6-inch overlap and a closing flap to cover any remaining exposed strap. External joint seals shall be able to withstand a 13-psi air test.

B.6.10 Frame Seal

As shown on the plans or directed by the engineer, a frame seal with extensions where needed to cover the entire chimney area, shall be installed on sanitary manholes according to the manufacturer's instructions.

A frame seal, as shown on the attached drawings, with extensions where needed to cover the entire chimney area, shall be installed on all sanitary manholes according to the manufacturer's instructions.

External/internal Adaptor Seals for casting and adjustment rings shall be Adaptor Seal or pre-approved equal.

B.7 Resilient Wedge Gate Valve

B.7.1 Manufacturers

Kennedy

American Flow Control

Clow

Substitutions: Pre-approved equal.

B.7.2 Components

AWWA C509; ductile iron.

Resilient seats.

Stem: Non-rising bronze stem.

Operating Nut: 2-inch square; open counterclockwise unless otherwise indicated.

Ends: Mechanical joint connections.

Coating: AWWA C550; interior/exterior.

Sizes 12-inch diameter and smaller: working pressure, 150 psig, tested to 300 psig.

B.7.3 Joints

ASTM D3139 PVC flexible elastomeric seals. Solvent-cement couplings are not permitted.

B.7.4 Joint Restraints

Joints connecting pipes to fittings, valves, and hydrants shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.

- Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.
- Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series 1100, TUF Grip, or pre-approved equal.

C Construction

C.1 Installation – Freezeless Yard Hydrant

Excavate pipe trench according to the Trenching Section in these special provisions.

Place bedding material at trench bottom according to the Backfill Section in these special provisions.

Backfill around sides and to top of pipe according to the Backfill Section in these special provisions.

Maintain optimum moisture content of fill material to attain required compaction density.

Place backfill material according to the Backfill Section in these special provisions.

Install per manufacturer's recommendations.

Install drain rock around drain hole.

C.2 Installation – Water Service Meter Pit Assembly

Excavate pipe trench according to the Trenching Section in these special provisions.

Place bedding material at trench bottom according to the Backfill Section in these special provisions.

Backfill around sides and to top of pipe according to the Backfill Section in these special provisions.

Maintain optimum moisture content of fill material to attain required compaction density.

Place backfill material according to the Backfill Section in these special provisions.

Set and install water service meter pit assembly as per manufacturer's specifications.

Set water service meter pit assembly on solid bearing and base material as required and specified.

Water service meter pit assembly to be installed level and plumb. Set water service meter pit assembly cover flush with finished grade.

Install water service meter pit assembly at location as shown on the plans and as directed by the engineer or owner.

Excavate and locate the existing water main.

Maintain existing water service.

C.3 Installation – Water Valve Structure

Excavate for manholes and structures according to standard spec 205 in location and to depth shown. Provide clearance around sidewalls of manhole or structure for construction operations, and granular backfill. When groundwater is encountered, prevent accumulation of water in excavations. Place manholes or structures in dry trench. If contractor is unable to place manhole or structure in dry trench, he is to contact engineer for direction.

Where possibility exists of watertight manhole or structure becoming buoyant in flooded excavation, anchor manhole or structure to avoid flotation.

If over excavation occurs, backfill with concrete or compacted granular material.

Construct standard manholes of precast bases, precast risers, precast top section, adjustment rings, and appurtenances according to standard detail.

Install manholes and structures supported at proper grade and alignment on 6-inches of granular material as per standard spec 209. If wet conditions persist, install 6-inches of 1 ¼-inch diameter washed stone.

Install external joint seals on each section joint of all sanitary manholes and for adjustment rings according to the manufacturer's instructions.

Backfill excavations for manholes and structures according to the Backfill Section in these special provisions.

Lift precast manholes and structures at lifting points designated by manufacturer. When lowering manholes and structures into excavations and joining pipe to units, take precautions to ensure interior of pipeline and manhole or structure remains clean.

Set precast manholes and structures bearing firmly and fully on 6-inches crushed stone bedding, compacted according to these Special Provisions or on other support system shown on drawings.

Assemble multi-section manholes and structures by lowering each section into excavation. Install compatible rubber ring gasket or butyl sealant between precast sections according to manufacturer's recommendations. Under weight of superimposed sections, gasket material shall form a tightly packed, watertight seal in annular joint space. Lower, set level, and firmly position base section before placing additional sections.

Remove foreign materials from joint surfaces and verify sealing materials are placed properly. Maintain alignment between sections by using guide devices affixed to lower section.

Joint sealing materials may be installed on site or at manufacturer's plant.

Verify manholes and structures installed satisfy required alignment and grade.

Remove knockouts or cut structure to receive piping without creating openings larger than required to receive pipe. Fill annular space with hydraulic, non-shrink mortar.

Cut pipe to finish flush with interior of manhole or structure.

Complete pipe seals according to the manufacturer's instructions. For manholes with flexible seals, support pipe outside of manhole by bedding as specified for type of pipe installed.

Set frames using mortar and adjustment rings. Butyl sealant shall be placed between precast cone and first ring, between individual rings, and between top ring and casting. Set cover frames and covers to within minus 0.01 feet to minus 0.03 feet of grade shown for finished pavement. Match street grades and cross-slope.

Install external/internal seal for casting and adjustment rings as per manufacturer's instructions for the designated manholes as per the plans or directed by the engineer.

When located in an unpaved area, set frame and cover 6-inches above finished grade to allow area to be graded away from cover beginning 2-inches below top surface of frame.

Install 8-inch gate valve, two 1-inch corporation stops (upstream and downstream of the gate valve), and saddles inside the water valve structure and as per the Project Plan details.

Excavate and locate the existing water main.

Maintain existing water service.

Test concrete manhole and structure sections according to ASTM C-497.

D Measurement

The department will measure Yard Hydrant, Meter Pit, and Water Valve Structure as each yard hydrant, meter pit, and water valve 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
SPV.0060.41	Yard Hydrant	EACH
SPV.0060.42	Meter Pit	EACH
SPV.0060.43	Water Valve Structure	EACH

Payment for Yard Hydrant is full compensation for excavating; trenching; bedding; backfilling; connection to the proposed water main; furnishing and installing the corporation stop, pipe, hydrant, fittings, accessories, drain rock, and accessories; and testing.

Payment for Meter Pit is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; connection to the proposed water main and to the existing water service piping; furnishing and installing the corporation stop, meter pit assembly, piping, fittings, concrete blocks, and accessories; and testing.

Payment for Water Valve Structure is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; connection to the proposed water main and to the existing water service piping; furnishing and installing the concrete structure, casting, adjustment rungs, seals, 8-inch gate valve, 1-inch corporation stops, piping, fittings, pipe supports, and accessories; and testing.

69. Remove Only Existing Valve, Item SPV.0060.44; Remove Only Existing Water Valve Structure, Item SPV.0060.45; Remove Only Existing Hydrant, Item SPV.0060.46.

A Description

This special provision describes removing and disposing of existing valves, water valve structures, and hydrants at locations shown on the plans, as directed by the engineer, and as hereinafter provided.

B (Vacant)

C Construction

C.1 Removing Existing Valves

Existing Valves to be removed are to be closed, the valve box removed, and the resulting depression backfilled and compacted.

C.2 Removing Existing Water Valve Structures

Remove the water valve structure according to standard spec 204, as directed by the engineer, and according to the project plan details.

C.3 Removing Existing Hydrant

Existing Fire Hydrants removed to a minimum of 5 feet below finished grade or to the hydrant elbow, whichever is less. Cut off hydrant standpipe, seal pipe, and backfill and compact the resultant depression. Sealing the pipe is considered incidental to this item. Salvage the existing fire hydrant to the owner.

D Measurement

The department will measure Remove Only Existing Valve, Remove Only Existing Water Valve Structure, and Remove Only Existing Hydrant as each valve, structure, and hydrant removal, 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.0060.44	Remove Only Existing Valve	EACH
SPV.0060.45	Remove Only Existing Water Valve Structure	EACH
SPV.0060.46	Remove Only Existing Hydrant	EACH

Payment for Remove Only Existing Valve is full compensation for closing the valve; excavating, removing the valve box; backfilling and compacting.

Payment for Remove Only Existing Water Valve Structure is full compensation for excavating; removing the existing structure; sealing of pipes; backfilling and compacting; and salvaging casting to owner..

Payment for Remove Only Existing Hydrant is full compensation for excavating; removing the existing fire hydrant; sealing the pipe; backfilling and compacting; salvaging to owner; and for furnishing all tools, labor, materials, equipment, and incidentals necessary to complete the work.

70. Inlet Covers Type H-D, Item SPV.0060.47.

A Description

This special provision describes furnishing and installing Inlet Covers Type H-D according to standard spec 611, as the plans show, and as herein provided

B Materials

Furnish inlet covers that are according to standard spec 611.2 and as the plans show.

C Construction

Install inlet covers according to standard spec 611.3.

D Measurement

The department will measure Inlet Covers Type H-D 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.0060.47	Inlet Covers Type H-D	EACH

Payment is full compensation for removing and salvaging the existing covers; and for providing new covers, including frames grates or lids, and other required materials and for installing and adjusting each cover. Old covers removed remain the municipality's property.

71. Fire Hydrant 6-Inch (With 6-Inch Hydrant Lead), Item SPV.0060.48.

A Description

This special provision describes providing and installing 6-inch fire hydrants with 6-inch hydrant lead and all associated fittings as shown on the plans, as further directed by the engineer in the field, and as hereinafter provided.

B Materials

B.1 References

B.1.1 American Water Works Association

AWWA C502 - Dry-Barrel Fire Hydrants.

AWWA C509 - Resilient-Seated Gate Valves for Water-Supply Service.

AWWA C550 - Protecting Epoxy Interior Coating for Valves and Hydrants.

AWWA C600 - Installation of Ductile-Iron Water Mains and Their Appurtenances.

B.1.2 National Sanitation Foundation

NSF 61 - Drinking Water System Components - Health Effects

B.1.3 National Fire Protection Agency

NFPA 281 - Recommended Practice for Fire Flow Testing and Marking of Hydrants

B.2 Product Submittals

B.2.1 Product Data

Submit product data to be used including hydrants, pipes, and accessories.

B.2.2 Design Data

Submit manufacturer's latest published literature including illustrations, installation instructions, maintenance instructions and parts lists.

B.2.3 Manufacturer's Installation Instructions

Indicate special procedures required to install products specified.

B.2.4 Manufacturer's Certificates

Submit Statement of Compliance, supporting data, from material suppliers attesting that valves, hydrants, and accessories provided meet or exceed AWWA Standards and specification requirements.

B.2.5 Manufacturer

Company specializing in manufacturing products specified in this Section with minimum three years of documented experience.

B.2.6 Installer

Company specializing in performing work of this section with minimum one year of documented experience.

B.2.7 Project Record Documents

Record actual locations of hydrants, fittings, connections, thrust blocks, joint restraints, valves, and elevations.

Identify and describe unexpected variations to subsoil conditions or discovery of uncharted utilities.

Provide Operation and Maintenance Data for fire hydrants and valves.

B.3 Product Materials

B.3.1 Fire Hydrants

B.3.1.1 Manufacturers

Kennedy

Substitutions: Not Permitted.

B.3.1.2 Components

Dry-barrel Break-away Type: AWWA C502; cast-iron body, compression type valve.

Bury Depth: As indicated on the Drawings.

Inlet Connection: 6-inches.

Valve Opening: 5 ¼-inches diameter.

Ends: Mechanical Joint.

Bolts and Nuts: Corrosion resistant.

Coating: AWWA C550; interior.

Direction of Opening: Counterclockwise unless otherwise indicated.

Operating Nut: Pentagon shape, 1-inch on each side.

Traffic flange with no-flow separation.

Outlets: Pumper, one - 4 ½-inches; Hose Nozzles, two - 2 ½-inches. Threads to be National Standard Threads.

Attach nozzle caps by heavy chains.

Finish: Primer and two coats of enamel color according to fire department requirements.

B.3.1.3 6-Inch Hydrant Lead

Polyvinyl Chloride (PVC): AWWA C900, Class 150, DR 18, for nominal thickness, rated water working pressure and maximum depth of cover.

B.3.2 Accessories

B.3.2.1 Concrete for Thrust Restraints

Conform to standard spec 501. Solid concrete blocks may be substituted with permission from engineer.

B.3.2.2 Tracer Wire and Terminal Box

Magnetic detectable conductor, 12 GA, and brightly colored plastic covering. Terminal to be a Tracer Wire Access Box extending below finished grade at each hydrant to be installed. Required for all water main pipe installations.

B.3.2.3 Aggregate

Aggregate for hydrant drainage to be 1 ¼-inch washed stone wrapped in filter fabric.

B.3.2.4 Fittings

Ductile iron, Full Body fittings conforming to AWWA C110 or Compact fittings conforming to AWWA C153. 250 psig working pressure. Foundry must be NSF 61 Certified.

B.3.2.4.1 Coating and Lining

Bituminous Coating: AWWA C110.

Cement Mortar Lining: AWWA C104, standard thickness.

B.3.2.3 Joint Restraints

Joints connecting pipes to fittings, valves, and hydrants shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.

- Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.
- Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series 1100, TUF Grip, or pre-approved equal.

C Construction

C.1 Preparation

Prepare valves, hydrants and accessories for shipment according to AWWA Standards and seal valve, hydrant and ends to prevent entry of foreign matter into product body.

Store products in areas protected from weather, moisture, or possible damage; do not store products directly on ground; handle products to prevent damage to interior or exterior surfaces.

Conduct operations not to interfere with, interrupt, damage, destroy, or endanger integrity of surface or subsurface structures or utilities, and landscape in immediate or adjacent areas.

Verify that field measurements and elevations are as indicated on the drawings.

Verify that excavation base is ready to receive work and that excavations, dimensions, and elevations are as indicated on drawings. Notify engineer of any discrepancies.

Identify required lines, levels, contours and datum locations.

Locate, identify, and protect utilities to remain from damage.

Do not interrupt existing utilities without permission and without making arrangements to provide temporary utility services.

Perform trench excavation according to the Trenching Section in these special provisions.

Perform bedding, backfilling and compaction according to the Backfill Section in these special provisions.

C.2 Installation

Install fire hydrants; provide support blocking and drainage gravel; do not block drain hole.

Set hydrants plumb with pumper nozzle facing roadway; set hydrants with centerline of pumper nozzle 18-inches above finished grade and safety flange not more than 6-inches nor less than 2-inches above grade.

Paint hydrants according to fire department requirements.

After hydrostatic testing, flush hydrants and check for proper drainage.

Install access fittings to permit flushing and disinfection of water system performed under the Disinfection of Water Distribution System Section in these special provisions.

Protect pipe and aggregate from damage or displacement until backfilling operation is complete. Take care not to damage or displace installed pipe and joints during construction of pipe supports, backfilling, testing, and other operations. Repair or replace pipe that is damaged or displaced from construction operations.

Maintain existing water main service.

C.3 Field Quality Control

Disinfection: Flush and disinfect potable water distribution system according to the Disinfection of Water Distribution System Section in these special provisions.

Pressure Test: Perform pressure test on fire hydrants according to AWWA C600 and the Water Main Section in these special provisions.

D Measurement

The department will measure Fire Hydrant 6-Inch (With 6-Inch Hydrant Lead) as each hydrant and hydrant lead, 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.0060.30	Fire Hydrant 6-Inch (With 6-Inch Hydrant Lead)	EACH

Payment is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; furnishing and installing the fire hydrant, hydrant lead from water main, fittings, concrete thrust blocks, joint restraints, and accessories; and testing.

72. Utility Line Opening (ULO), Item SPV.0060.52.

A Description

This special provision describes excavating to uncover utilities for the purpose of determining elevation and potential conflicts with proposed work, as shown on the plans or as directed by the engineer.

B (Vacant)

C Construction

Perform the excavation according to Wisconsin State Statute 182.0175.

Perform the utility line openings as soon as possible, before ordering precast structures, and at least 10 days in advance of proposed utility construction to allow any conflicts to be resolved with minimal disruption. Allow the engineer a minimum of three working days once utility line opening information is received to review all relevant design information.

Coordinate and approve all utility line openings with the engineer. Notify the utilities a minimum of 3 days before the work so they may be present.

Backfill the excavation with suitable backfill material, and thoroughly compact.

D Measurement

The department will measure Utility Line Opening (ULO) as each individual utility line opening (ULO) acceptably completed. Utility line openings include a trench up to 10-feet long as measured at the trench bottom, and of any width and depth required to locate the intended utility. Where utilities are within 6 feet of each other at a potential conflict location, only one utility line opening will be measured.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.52	Utility Line Opening (ULO)	EACH

Payment is full compensation for performing the excavation required to expose the utility line, backfilling, and for restoring and cleaning up the site.

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73. Water Main Vertical Offset 6-Inch, Item SPV.0060.53.

A Description

This special provision describes providing a water main vertical offset in the event that the proposed storm sewer is in conflict with the existing 6-inch water main.

B Materials

B.1 Water Main Piping

Polyvinyl Chloride (PVC): AWWA C900, Class 150, DR 18, for nominal thickness, rated water working pressure and maximum depth of cover.

B.1.1 Accessories

B.1.2 Concrete for Thrust Restraints

Conform to standard spec 501. Solid concrete blocks may be substituted with permission from engineer.

B.1.3 Tracer Wire and Terminal Box

Magnetic detectable conductor, 12 GA, and brightly colored plastic covering. Terminal to be a Tracer Wire Access Box extending below finished grade at each hydrant to be installed. Required for all water main pipe installations.

B.1.4 Fittings

Ductile iron, Full Body fittings conforming to AWWA C110 or Compact fittings conforming to AWWA C153. 250 psig working pressure. Foundry must be NSF 61 Certified.

B.1.5 Coating and Lining

Bituminous Coating: AWWA C110.

Cement Mortar Lining: AWWA C104, standard thickness.

B.1.6 Joint Restraints

Joints connecting pipes to fittings, valves, and hydrants shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.

- Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.
- Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series 1100, TUF Grip, or pre-approved equal.

C Construction

Excavate pipe trench according to the Trenching Section in these special provisions.

Place bedding material at trench bottom according to the Backfill Section in these special provisions.

Backfill around sides and to top of pipe according to the Backfill Section in these special provisions.

Maintain optimum moisture content of fill material to attain required compaction density.

Place backfill material according to the Backfill Section in these special provisions.

Maintain separation of water main from sewer piping according to State of Wisconsin Plumbing code and the project plan details.

Route pipe in straight line.

Install access fittings to permit disinfection of water system performed under the Water Main Section and according to the Disinfection of Water Distribution System Section in these special provisions.

Form and place concrete for thrust restraints at each elbow or change of direction of pipe main.

D Measurement

The department will measure Water Main Vertical Offset 6-Inch as each water main vertical offset 6-inch, 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.0060.53	Water Main Vertical Offset 6-Inch	EACH

Payment is full compensation for excavating; trenching; bedding; backfilling; connection to the proposed water main; furnishing and installing the corporation stop, pipe, hydrant, fittings, accessories, drain rock, and accessories; and testing.

74. Adjustment of Pressure Reducing Valve Vault Structure Access Hatch, Item SPV.0060.54.

A Description

This special provision describes providing vertical adjustment to the existing pressure reducing valve vault structure on Center Hill Road to match the proposed street final grade elevations.

B Materials

B.1 Manhole Frame and Cover

Neenah Foundry Company Model R-1550, non-rocking with sealed pick holes.

B.2 Adjusting Rings

Provide reinforced precast concrete according to ASTM C-478 and AASHTO M-197 adjusting rings or cast-in-place adjustment to raise the to the access hatch to the proposed street final grade elevations. The top of the casting will need to be raised approximately 3-feet as per the Project Plan details.

C Construction

Excavate according to the Trenching Section in these special provisions.

Backfill around sides and to top of adjustment according to the Backfill Section in these special provisions.

Maintain optimum moisture content of fill material to attain required compaction density.

Place backfill material according to the Backfill Section in these special provisions.

Remove existing adjustment rings and access hatch and salvage to the owner.

Provide steel plating prior to and during paving operations.

Set frames using mortar and adjustment rings. Butyl sealant shall be placed between precast concrete structure and first ring, between individual rings, and between top ring and casting. Set cover frames and covers to within minus 0.01 feet to minus 0.03 feet of grade shown for finished pavement. Match street grades and cross-slope.

D Measurement

The department will measure Adjustment of Pressure Reducing Valve Vault Structure Access Hatch for 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.0060.54	Adjustment of Pressure Reducing Valve Vault Structure Access Hatch	EACH

Payment is full compensation for excavating; backfilling; adjusting; steel plating; furnishing and installing the cover frame, cover, adjustment rings, seals, and accessories; concreting; and grouting.

75. Pipe Underdrain (6-Inch) with Geotextile Fabric and Aggregate, Item SPV.0090.01.

A Description

This special provision describes providing and placing pipe underdrain, geotextile fabric, and aggregate as shown on the plans and hereinafter provided. The work under this item shall be according to the standard specifications for each component.

B Materials

B.1 Pipe

Provide Pipe Underdrain 6-Inch conforming to the pertinent requirements of standard spec 612.2.

B.2 Geotextile Fabric

Provide Geotextile Fabric Type DF Schedule B conforming to the pertinent requirements of standard spec 645.2.1 and 645.2.4.

B.3 Aggregate

Provide coarse aggregate size No. 1 conforming to the pertinent requirements of standard spec 501.2.5.4.

C Construction

Construct the Pipe Underdrain (6-Inch) with Geotextile Fabric and Aggregate as shown on the plans and according to standard spec 612.3.1, 612.3.3, 612.3.5 and 645.3.4.

D Measurement

The department will measure Pipe Underdrain (6-Inch) with Geotextile Fabric and Aggregate 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	Pipe Underdrain (6-Inch) with Geotextile Fabric and Aggregate	LF

Payment is full compensation for providing and placing all materials, including pipe underdrain, geotextile fabric, aggregate, backfill, connections, fittings, and caps or plugs; for all excavating, recompacting, disposing of surplus material, and restoring the work site, and for all labor, tools, equipment, services, and incidentals necessary to complete the contract work.

(SWR 612.01-20160205)

76. Removing Electrical Conductors from Existing Conduit, Item SPV.0090.02.

A Description

This special provision describes removing electrical conductors from existing conduit and disposing them off the project site.

B (Vacant)

C Construction

Wires shall be removed from the existing underground conduits as shown on the plans and as directed by the engineer. The engineer shall verify the extent of the wiring removal prior to disconnecting luminaires. Any necessary splices or disconnections shall be done as part of this pay item. Disconnection and removal of enclosure for landscaping lighting shall be done as part of this pay item. Removed wires shall become property of the contractor and shall be disposed of off the project site.

D Measurement

The department will measure Removing Electrical Wires from Existing Conduit by linear foot of conduit from where wires shall be removed and disposed of, regardless of conductor quantity within conduit, acceptably completed. The vertical length and wire slack shall be incidental to this pay item.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.02	Removing Electrical Conductors from Existing Conduit	LF

Payment is full compensation for removing electrical wires from conduits; removing disconnect enclosure for landscape lighting; and disposal of all removed materials.

77. Sanitary Sewer Main SDR 35 PVC 8-Inch, Item SPV.0090.03; Sanitary Sewer Main SDR 35 PVC 12-Inch, Item SPV.0090.04.

A Description

This special provision describes providing and installing sanitary sewer as shown on the plans, as further directed by the engineer in the field, and as hereinafter provided.

B Materials

B.1 Shop Drawings/Product Submittals

B.1.1 Product Data

Submit catalog cuts and other pertinent data indicating proposed materials, accessories, details, and construction information.

B.1.2 Manufacturer's Installation Instructions

Indicate special procedures required to install products specified.

B.1.3 Manufacturer

Company specializing in manufacturing products specified in this Section with minimum three years of documented experience.

B.1.4 Installer

Company specializing in performing work of this section with minimum one year of documented experience.

B.1.5 Project Record Documents

Record location of pipe runs, connections, manholes, cleanouts, and invert elevations.

Identify and describe unexpected variations to subsoil conditions or discovery of uncharted utilities.

Provide the Post-Installation Televised Sewer Report and Video.

B.2 Product Materials

B.2.1 Plastic Pipe

ASTM D-3034, Type PSM, Polyvinyl Chloride (PVC) material; inside nominal diameter as per drawings, bell and spigot style rubber ring sealed gasket joint. Markings: Each pipe shall be stamped or marked with its type and class and the manufacturer's name or mark.

B.2.2 Fittings

PVC.

B.2.3 Joints

Joints to be made water tight and according to ASTM F-477, elastomeric gaskets.

B.2.4 Flexible Coupling

Conform to ASTM C-1173. Resilient chemical-resistant elastomeric polyvinyl chloride (PVC) coupling, two stainless steel clamps and stainless steel screws and housings. Couplings used shall be sized to match the outside diameter of pipes to be joined.

C. Construction

C.1 Preparation

Block individual and stockpiled pipe lengths to prevent moving.

Do not place pipe or pipe materials on private property or in areas obstructing pedestrian or vehicle traffic. Do not place pipe flat on ground. Cradle to prevent point stress.

Store UV sensitive materials out of direct sunlight.

Verify that field measurements and elevations are as indicated on the drawings.

Verify that excavation base is ready to receive work and that excavations, dimensions, and elevations are as indicated on drawings. Notify engineer of any discrepancies.

Owner will provide line and grade at a convenient offset. Contractor shall be responsible for preservation of line and grade markings if disturbed, shall pay actual cost of replacement. Give three working days prior notice of need for line and grade.

Contractor shall transfer line and grade from offset to sewer by means of laser beam equipment or other approved methods. Inform engineer of proposed methods and equipment prior to construction. Discontinue methods that do not produce accurate control for setting line and grade.

C.2 Installation

Excavate and locate the existing sanitary sewer main.

Remove and dispose existing sanitary sewer materials when the existing sanitary sewer is in the same trench as the proposed sanitary sewer.

Excavate pipe trench according to the Trenching Section in these special provisions.

Excavate to lines and grades shown on drawings or as per line and grade furnished by owner.

Dewater excavations to maintain dry conditions and preserve final grades at bottom of excavation.

Provide sheeting and shoring according to the Trenching Section in these special provisions.

Correct over excavation with fine aggregate or washed stone in wet conditions.

Remove large stones or other hard matter capable of damaging pipe or impeding consistent backfilling or compaction.

Protect and support existing sewer lines, utilities and appurtenances.

Maintain profiles of utilities. Coordinate with other utilities to eliminate interference. Notify engineer where crossing conflicts occur.

Place bedding material as per the Backfill Section in these special provisions.

Maintain optimum moisture content of fill material to attain required compaction density.

Pipe shall be laid immediately following the preparation of the bedding material.

Install pipe, fittings, and accessories according to ASTM D-2321 and according to manufacturer's directions. Seal joints watertight.

Lay pipe to slope gradients noted on drawings as per line and grade furnished by owner. Begin at downstream end and progress upstream.

Lay bell and spigot pipe with bells upstream.

Assemble and handle pipe according to manufacturer's instructions except as modified on the drawings or by engineer.

Keep pipe and fittings clean until work is completed and accepted by engineer. Cap open ends during periods of work stoppage. When work is not in progress, securely close ends of pipe so that no trench water or debris will enter pipe.

Joint materials and methods shall conform to manufacturer's directions. Particular note shall be made to the proper lubrication of the joints and gaskets with an approved vegetable-based lubricant.

When replacing existing sanitary sewer, the contractor is to maintain existing sanitary sewer main service and ensure proper flow of the existing raw sewerage by a means approved of by the engineer. The contractor is not allowed to discharge the raw sewerage onto the ground, into a storm sewer, into a stream, etc. at any time during the construction.

Place backfill material around and above the pipe as per the Backfill Section in these special provisions.

Protect pipe and aggregate cover from damage or displacement until backfilling operation is complete. Take care not to damage or displace installed pipe and joints during construction of pipe supports, backfilling, testing, and other operations. Repair or replace pipe that is damaged or displaced from construction operations.

C.3 Field Quality Control

When tests indicate work does not meet specified requirements, remove work, replace and retest.

Request inspection prior to and immediately after placing bedding.

C.3.1 Pressure Test

Test according to the Sewer and Manhole Testing Section in these special provisions.

C.3.2 Infiltration Test

Test according to the Sewer and Manhole Testing Section in these special provisions.

C.3.3 Closed-Circuit Televising of Sanitary Sewer

Test according to the Sewer and Manhole Testing Section in these special provisions. After installation, the contractor shall have the sanitary sewer main televised by a company qualified to televise sanitary sewer mains and approved by the owner.

D Measurement

The department will measure Sanitary Sewer Main SDR 35 PVC 8-Inch and Sanitary Sewer Main SDR 35 PVC 12-Inch by the linear foot, measured from center to center of proposed or existing manholes or to end of pipe not terminating in a manhole, 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.0090.03	Sanitary Sewer Main SDR 35 PVC 8-Inch	LF
SPV.0090.04	Sanitary Sewer Main SDR 35 PVC 12-Inch	LF

Payment is full compensation for locating the existing sanitary sewer; excavating; removal and disposal of existing sanitary sewer materials; trenching; bedding; backfilling; maintaining existing sanitary sewer service; furnishing and installing the sanitary sewer pipe and fittings.

78. Sanitary Sewer Force Main DR 18 PVC 6-Inch, Item SPV.0090.05.

A Description

This special provision describes providing and installing sanitary sewer force main and all associated fittings as shown on the plans, as further directed by the engineer in the field, and as hereinafter provided.

B Materials

B.1 References

B.1.2. American Association of State Highway and Transportation Officials

AASHTO T180 - Standard Specification for Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop.

B.1.1 ASTM International

ASTM D698 - Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft³ (600 kN-m/m³)).

ASTM D1557 - Standard Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (6,000 ft-lbf/ft³ (2,700 kN-m/m³)).

ASTM D1785 - Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120.

ASTM D2241 - Standard Specification for Poly (Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series).

ASTM D2466 - Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40.

ASTM D2467 - Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80.

ASTM D2922 - Standard Test Method for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth).

ASTM D3017 - Standard Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth).

B.1.2 American Water Works Association

AWWA C104 - American National Standard for Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water.

AWWA C110 - American National Standard for Ductile-Iron and Grey-Iron Fittings, 3 in. through 48 in. (75 mm through 1200 mm), for Water and Other Liquids.

AWWA C111 - American National Standard for Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings.

AWWA C151 - American National Standard for Ductile-Iron Pipe, Centrifugally Cast, for Water.

B.1.3 Ductile Iron Pipe Research Association

DIPRA Section 1X, Thrust Restraint.

B.2 Product Submittals

Product Data: Submit data on pipe materials, pipe fittings, accessories, and other pertinent data indicating proposed materials, accessories, details, and construction information.

B.3 Manufacturer's Installation Instructions

Indicate special procedures required to install products specified.

B.4 Manufacturer's Certificate

Certify Products meet or exceed specified requirements.

B.5 Manufacturer

Company specializing in manufacturing products specified in this section with minimum three years of documented experience.

B.6 Installer

Company specializing in performing work of this section with minimum one year of documented experience.

B.7 Project Record Documents.

Record location of pipe runs, connections, and invert elevations.

Identify and describe unexpected variations to subsoil conditions or discovery of uncharted utilities.

B.3 Product Materials

B.3.1 Ductile Iron Pipe

AWWA C151; Bituminous outside coating: AWWA C151. Pipe Mortar Lining: AWWA C104, double thickness.

Pipe Class: AWWA C151, for nominal thickness, rated water working pressure and maximum depth of cover. Class 52.

Pipe Lengths: Minimum 16-foot long pipe sections.

Fittings: Ductile iron, Full Body fittings conforming to AWWA C110 or Compact fittings conforming to AWWA C153. 250 psig working pressure. Foundry must be NSF 61 Certified.

- Coating and Lining:
 1. Bituminous Coating: AWWA C110.
 2. Cement Mortar Lining: AWWA C104, standard thickness.

Joints:

- Mechanical and Push-On Joints (slip joint): AWWA C111.
- Joints connecting pipes to fittings, valves, and hydrants shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.
 1. Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.
 2. Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series 1100, TUF Grip, or pre-approved equal.

B.3.2 Polyvinyl Chloride (PVC)

AWWA C900, Class 150, DR 18, Ductile iron outside diameter:

Fittings: Ductile iron, Full Body fittings conforming to AWWA C110 or Compact fittings conforming to AWWA C153. 250 psig working pressure. Foundry must be NSF 61 Certified.

- Coating and Lining:
 1. Bituminous Coating: AWWA C110.
 2. Cement Mortar Lining: AWWA C104, standard thickness.

Joints: ASTM D3139 PVC flexible elastomeric seals. Solvent-cement couplings are not permitted.

- Joints connecting pipes to fittings, valves, and hydrants shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.
 1. Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.
 2. Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series

Rubber Gaskets, Lubricants, Glands, Bolts and Nuts: AWWA C111.B.3.3

B.3.3 Underground Pipe Markers

Tracer Wire: Magnetic detectable conductor, 12 GA., brightly colored green plastic covering. Required for PVC force main pipe installations. Terminate at tracer wire access box at locations as indicated on the plans.

B.3.4 Bedding and Cover Material

Bedding and Backfill Material as specified in the Backfill Section in these special provisions.

B.3.5 Accessories

Concrete for Thrust Restraints: Conform to standard spec 501. Solid concrete blocks may be substituted with permission from engineer.

Steel rods, bolt, lugs and brackets: ASTM A36/A36M or ASTM A307 carbon steel.

Protective Coating: Bituminous coating.

Joint Restraining Glands: Ebaa Iron/Megalug Series 1100, TUF Grip, or pre-approved equal.

C Construction

C.1 Preparation

Block individual and stockpiled pipe lengths to prevent moving.

Do not place pipe or pipe materials on private property or in areas obstructing pedestrian or vehicle traffic. Do not place pipe flat on ground. Cradle to prevent point stress.

Store polyethylene materials out of direct sunlight.

Verify that field measurements and elevations are as indicated on the drawings.

Verify that excavation base is ready to receive work and that excavations, dimensions, and elevations are as indicated on drawings. Notify engineer of any discrepancies.

Cut pipe ends square, ream pipe and tube ends to full pipe diameter, remove burrs. Use only equipment specifically designed for pipe cutting. The use of chisels or hand saws will not be permitted. Grind edges smooth with beveled end for push-on connections.

Remove scale and dirt on inside and outside before assembly.

Prepare pipe connections to equipment with flanges or unions.

C.2 Installation – Pipe and Fittings

Excavate pipe trench according to the Trenching Section in these special provisions. Hand trim excavation for accurate placement of pipe to elevations indicated on drawings.

Dewater excavations to maintain dry conditions and preserve final grades at bottom of excavation.

Provide sheeting and shoring according to the Trenching Section in these special provisions.

Correct over excavation with fine aggregate or washed stone in wet conditions.

Remove large stones or other hard matter capable of damaging pipe or impeding consistent backfilling or compaction.

Protect and support existing water lines, utilities and appurtenances.

Maintain profiles of utilities. Coordinate with other utilities to eliminate interference. Notify engineer where crossing conflicts occur.

Place bedding material as per the Backfill Section in these special provisions.

Maintain optimum moisture content of fill material to attain required compaction density.

Pipe shall be laid immediately following the preparation of the bedding material.

Install pipe according to AWWA C600 and AWWA C605.

Handle and assemble pipe according to manufacturer's instructions and as indicated on drawings.

Maintain minimum 8-foot horizontal separation of water main from sewer piping according to NR 811.67.

Install pipe to indicated elevation to within tolerance of 1-inch.

Install ductile iron piping and fittings according to AWWA C600.

Route pipe in straight line. Relay pipe that is out of alignment or grade.

Install pipe with no high points. If unforeseen field conditions arise, which necessitate high points, install air release valves as directed by engineer.

Install pipe to have bearing along entire length of pipe. Excavate bell holes to permit proper joint installation. Do not lay pipe in wet or frozen trench.

Prevent foreign material from entering pipe during placement.

Install pipe to allow for expansion and contraction without stressing pipe or joints.

Close pipe openings with watertight plugs during work stoppages.

Place backfill material around and above the pipe as per the Backfill Section in these special provisions.

Install tracer wire continuous over top of pipe (PVC installations).

When replacing existing sanitary sewer force main, the contractor is to maintain existing sanitary sewer main service and ensure proper flow of the existing raw sewerage from the lift station by a means approved of by the engineer. The contractor is not allowed to discharge the raw sewerage onto the ground, into a storm sewer, into a stream, etc. at any time during the construction.

Protect pipe and aggregate cover from damage or displacement until backfilling operation is complete. Take care not to damage or displace installed pipe and joints during construction of pipe supports, backfilling, testing, and other operations. Repair or replace pipe that is damaged or displaced from construction operations.

C.3 Installation – Thrust Restraints

Provide pressure pipeline with restrained joints or concrete thrust blocking at bends, tees, and changes in direction. Pour or place concrete thrust blocks against undisturbed earth to resist resultant force and so pipe and fitting joints will be accessible for repair. Construct concrete thrust blocking according to drawings.

Install tie rods, clamps, set screw retainer glands, or restrained joints at all fittings, valves, and hydrants.

Install thrust blocks, tie rods, and joint restraint at dead ends of water main.

C.4 Field Quality Control

Perform pressure test on sanitary sewer force main system according to AWWA C600.

Pressure test system to 150 psi. Repair leaks and re-test.

- After completion of pipeline installation, including backfill, but prior to final connection to existing system, conduct, in presence of engineer, concurrent hydrostatic pressure and leakage tests according to AWWA C600.
- Provide equipment required to perform leakage and hydrostatic pressure tests.
- Test Pressure: Not less than 150 psi or 50 psi in excess of maximum static pressure, whichever is greater.
- Conduct hydrostatic test for at least two-hour duration.
- No pipeline installation will be approved when pressure varies by more than 5 psi at completion of hydrostatic pressure test.
- Before applying test pressure, completely expel air from section of piping under test. Provide corporation cocks so air can be expelled as pipeline is filled with water. After air has been expelled, close corporation cocks and apply test pressure. At conclusion of tests, remove corporation cocks and plug resulting piping openings.
- Slowly bring piping to test pressure and allow system to stabilize prior to conducting leakage test. Do not open or close valves at differential pressures above rated pressure.
- Examine exposed piping, fittings, valves, hydrants, and joints carefully during hydrostatic pressure test. Repair or replace damage or defective pipe, fittings, valves, hydrants, or joints discovered, following pressure test.
- No pipeline installation will be approved when leakage is greater than that determined by the following formula:

$$L = \frac{SD\sqrt{P}}{148,000}$$

L = allowable, in gallons per hour

S = length of pipe tested, in inches

D = nominal diameter of pipe, in inches

p = average test pressure during leakage test, in pounds per square inch (gauge)

- When leakage exceeds specified acceptable rate, locate source and make repairs. Repeat test until specified leakage requirements are met.

When tests indicate Work does not meet specified requirements, remove Work, replace and retest.

D Measurement

The department will measure Sanitary Sewer Force Main DR 18 PVC 6-Inch by the linear foot, measured from center to center of proposed or existing tees, crosses, valves, or connection fittings, 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.0090.05	Sanitary Sewer Force Main DR 18 PVC 6-Inch	LF

Payment is full compensation for excavating; trenching; bedding; backfilling; maintaining existing sanitary sewer service; furnishing and installing the sanitary sewer force main pipe, fittings, concrete thrust blocks, tracer wire, tracer wire access boxes, joint restraints; and bypass sewage pumping.

79. Post-Construction Sanitary Sewer Televising, Item SPV.0090.06.

A Description

This special provision describes providing the testing procedures for testing manholes and gravity sanitary sewer systems, once installed, as hereinafter provided.

B Materials

B.1 References

ASTM International:

- ASTM C-1244 - Standard Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test.
- ASTM D-2122 - Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings.

B.2 Product Submittals

Submit the following prior to start of testing:

- Testing procedures
- List of test equipment
- Testing sequence schedule
- Provisions for disposal of flushing and test water
- Certification of test gauge calibration
- Deflection mandrel drawings and calculations

Test Reports: Indicate results of manhole and piping tests.

Televising Reports: Provide the Post-Installation Televised Sewer Report and Corresponding Video.

Installer: Company specializing in performing work of this section with minimum one year of documented experience.

B.3 Product Materials

B.3.1 Vacuum Testing Equipment

Vacuum pump

Vacuum line

Vacuum tester base with compression band seal and outlet port

Shut-off valve

Stop watch

Plugs

Vacuum gauge, calibrated to 0.1 inch Hg

B.3.2 Exfiltration Test Equipment

Plugs

Pump

Measuring device

B.3.3 Air Test Equipment

Air compressor

Air supply line

Shut-off valves

Pressure regulator

Pressure relief valve

Stop watch

Plugs

Pressure gauge, calibrated to 0.1 psi.

B.3.4 Infiltration Test Equipment

Weirs

B.3.5 Hydrostatic Test Equipment:

Hydro pump

Pressure hose

Water meter

Test connections

Pressure relief valve

Pressure gauge, calibrated to 0.1 psi.

B.3.6 Deflection Test Equipment

Closed-Circuit Televising Equipment and Vehicles to be utilized by qualified personnel.

C. Construction

C.1 Preparation

Verify manholes and piping are ready for testing.

Verify trenches are backfilled.

Verify pressure piping concrete reaction support blocking or mechanical restraint system is installed.

Plug outlets, wye branches and laterals; brace plugs to resist test pressures.

C.2 Field Quality Control

Testing Gravity Sewer Piping:

- Low-pressure Air Test:

1. Test each section of gravity sewer piping between manholes.
 2. Introduce air pressure slowly to approximately 4 psig.
- Determine ground water elevation above spring line of pipe for every foot of ground water above spring line of pipe, increase starting air test pressure by 0.43 psig; do not increase pressure above 10 psig.
1. Allow pressure to stabilize for at least five minutes. Adjust pressure to 3.5 psig or increased test pressure as determined above when ground water is present. Start test.
 2. Test:

- Determine test duration for sewer section with single pipe size from the following table. Do not make allowance for laterals.

AIR TEST TABLE

Minimum Test Time for Various Pipe Sizes

Nominal Pipe Size, Inches	T (time), min/ 100 feet
3	0.2
4	0.3
6	0.7
8	1.2
10	1.5
12	1.8
15	2.1
18	2.4
21	3.0
24	3.6
27	4.2
30	4.8
33	5.4
36	6.0

- Record drop in pressure during test period; when air pressure has dropped more than 1.0 psig during test period, piping has failed; when 1.0 psig air pressure drop has not occurred during test period, discontinue test and piping is accepted.
- When piping fails, determine source of air leakage, make corrections and retest; test section in incremental stages until leaks are isolated; after leaks are repaired, retest entire section between manholes.
- Test pipes larger than 36 inches diameter with exfiltration test not exceeding 100 gallons for each inch of pipe diameter for each mile per day for each section under test. Perform test with minimum positive head of 2-feet.
- Infiltration Test:
 1. Use only when gravity piping is submerged in ground water minimum of 4 feet above crown of pipe for entire length being tested.
 2. Maximum Allowable Infiltration: 100 gallons per inch of pipe diameter for each mile per day for section under test, include allowances for leakage from manholes. Perform test with minimum positive head of 2-feet.

Testing Pressure Sewer Piping:

- Hydrostatic Leakage Test:
 1. Hydrostatically test each portion of pressure piping, including valved section, at 1.5 times working pressure of piping based on elevation of lowest point in piping corrected to elevation of test gauge.
 2. Fill section to be tested with water slowly, expel air from piping at high points. Install corporation cocks at high points. Close air vents and corporation cocks after air is expelled and raise pressure to specified test pressure.
 3. Observe joints, fittings and valves under test. Remove and renew cracked pipe, joints, fittings, and valves showing visible leakage. Retest.

4. Correct visible deficiencies and continue testing at same test pressure for additional 2 hours to determine leakage rate. Maintain pressure within plus or minus 5.0 psig of test pressure. Leakage is defined as quantity of water supplied to piping necessary to maintain test pressure during period of test.
5. Compute maximum allowable leakage by the following formula:

$$L = \frac{SD\sqrt{P}}{148,000}$$

L = allowable, in gallons per hour
 S = length of pipe tested, in inches
 D = nominal diameter of pipe, in inches
 p = average test pressure during leakage test, in pounds per square inch (gauge)

When pipe under test contains sections of various diameters, calculate allowable leakage from sum of computed leakage for each size.
6. When test of pipe indicates leakage greater than allowed, locate source of leakage, make corrections and retest until leakage is within allowable limits. Correct visible leaks regardless of quantity of leakage.

Deflection Testing of Plastic Sewer Pipe:

- After installation, the contractor shall have the sanitary sewer main televised with closed-circuit television by a company qualified to televise sanitary sewer mains and approved by the owner. No mandrel test will be required, unless deficiencies in installation are observed.
 1. Perform vertical ring deflection testing on PVC and ABS sewer piping, after backfilling has been in place for at least 30 days but not longer than 12 months.
 2. Allowable maximum deflection for installed plastic sewer pipe limited to 5 percent of original vertical internal diameter.
 3. Perform deflection testing using properly sized rigid ball or 'Go, No-Go' mandrel.
 4. Furnish rigid ball or mandrel with diameter not less than 95 percent of base or average inside diameter of pipe as determined by ASTM standard to which pipe is manufactured. Measure pipe in compliance with ASTM D-2122.
 5. Perform test without mechanical pulling devices.
 6. Locate, excavate, replace and retest pipe exceeding allowable deflection.

Post-Construction Televising of Sewer Lines:

- All sanitary sewer lines shall be televised and three (3) copies of the video and report submitted to the owner for review. Video reports can be submitted on CD-ROM or DVD compact disks. All lines must be flushed and cleaned prior to televising. The video report will be used to view the condition of the sanitary sewer pipe prior to acceptance. Workmanship and cleanliness of the installation will be checked. Video reports shall become the property of the owner and contain the following:
 1. Reference the start and end of each video segment as it begins, by clearly identifying the manhole number where the video segment begins and the manhole number where the video segment ends.
 2. Footages along the sewer line must be shown on the video report and zeroed out at the beginning of each segment starting from the center of the manhole.
 3. The video camera should be guided forward at a moderate to slow pace along the bottom of the pipe.
 4. The camera should stop and rotate up to view each service wye.

5. The camera should stop at any unusual instances that are viewed while in progress and provide a more detailed and longer view of the specific instance (i.e. – bad joint, dirt in lines, settlement in line, etc.).
6. All installed sanitary sewer main shall be televised; this includes all connections to existing sanitary sewer locations and all spot repair locations.

Testing Manholes:

- General: Test using air whenever possible prior to backfilling to assist in locating leaks. Make joint repairs on both outside and inside of joint to ensure permanent seal. Test manholes with manhole frame set in place.
- Vacuum test according to ASTM C-1244 and as follows:
 1. Plug pipe openings; securely brace plugs and pipe.
 2. Inflate compression band to effect seal between vacuum base and structure; connect vacuum pump to outlet port with valve open; draw vacuum to 10 inches of Hg; close valve; start test.
 3. Test:
- Determine test duration for manhole from the following table:

VACUUM TEST TABLE

Manhole Diameter	Test Period
4-feet	60 s
5-feet	75 s
6-feet	90 s

- Record vacuum drop during test period; when vacuum drop is greater than 1-inch of Hg during test period, repair and retest manhole; when vacuum drop of 1-inch of Hg does not occur during test period, discontinue test and accept manhole.
- When vacuum test fails to meet 1-inch Hg drop in specified time after repair, repair and retest manhole.
- Exfiltration Test:
 1. Plug pipes in manhole; remove water in manhole; observe plugs over period of not less than 2 hours to ensure there is no leakage into manhole.
 2. Determine ground water level outside manhole.
 3. Fill manhole with water to within 4 inches of top of cover frame. Prior to test, allow manhole to soak from minimum of 4 hours to maximum of 72 hours; after soak period, adjust water level inside manhole to within 4 inches of top of cover frame.
 4. Measure water level from top of manhole frame; at end of 4 hour test period, again measure water level from top of manhole frame; compute drop in water level during test period.

5. Manhole exfiltration test is considered satisfactory when drop in water level is less than values listed in table below:

Manhole Depth (feet)	Allowable Leakage per Manhole Diameter and Depth		
	4-feet	5-feet	6-feet
4	0.11	0.14	0.17
6	0.17	0.21	0.26
8	0.23	0.29	0.35
10	0.28	0.35	0.42
12	0.34	0.43	0.51
14	0.40	0.50	0.60
16	0.45	0.56	0.68
18	0.51	0.64	0.77
20	0.57	0.71	0.86
22	0.62	0.78	0.93
24	0.68	0.85	1.02
26	0.74	0.93	1.11
28	0.79	0.99	1.19
30	0.85	1.06	1.28

- When unsatisfactory test results are achieved, repair manhole and retest until result meets criteria; repair visible leaks regardless of quantity of leakage.

D Measurement

The department will measure Post Construction Sanitary Sewer Televising by the by the linear foot, measured from center to center of proposed or existing manholes or to end of pipe not terminating in a manhole, 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.0090.06	Post-Construction Sanitary Sewer Televising	LF

Payment is full compensation for flushing and cleaning of the sanitary sewer prior to televising; and manhole testing.

- 80. Water Main DR 18 PVC 6-Inch, Item SPV.0090.07;
Water Main DR 18 PVC 8-Inch, Item SPV.0090.08;
Water Main Class 52 Ductile Iron with Nitrile Gaskets and Polyethylene Encasement 8-Inch, Item SPV.0090.09.**

A Description

This special provision describes providing and installing water main and all associated fittings as shown on the plans, as further directed by the engineer in the field, and as hereinafter provided.

B Materials

B.1 References

B.1.1 ASTM International

ASTM A36/A36M - Standard Specification for Carbon Structural Steel.

ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

ASTM A307 - Standard Specification for Carbon Steel Bolts and Studs, 60 000 PSI Tensile Strength.

ASTM D1784 - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.

ASTM D2241 - Standard Specification for Poly (Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series).

ASTM D3139 - Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals.

ASTM F477 - Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe.

B.1.2 American Water Works Association

AWWA C104 - ANSI Standard for Cement Mortar Lining for Ductile-Iron Pipe and Fittings for Water.

AWWA C105 - ANSI Standard for Polyethylene Encasement for Ductile-Iron Pipe Systems.

AWWA C110 - ANSI Standard for Ductile-Iron and Gray-Iron Fittings, 3 In. Through 48 In. (76 mm Through 1,219 mm), for Water.

AWWA C111 - ANSI Standard for Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings.

AWWA C115 - ANSI Standard for Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges.

AWWA C151 - ANSI Standard for Ductile-Iron Pipe, Centrifugally Cast, for Water or Other Liquids.

AWWA C153 - ANSI Standard for Ductile-Iron Compact Fittings for Water Service.

AWWA C500 - Gate Valves for Water and Sewage Systems.

AWWA C600 - Installation of Ductile-Iron Water Mains and Their Appurtenances.

AWWA C605 - Water Treatment - Underground Installation of Polyvinyl Chloride PVC Pressure Pipe and Fittings for Water.

AWWA C606 - Grooved and Shouldered Joints.

AWWA C900 - Polyvinyl Chloride (PVC) Pressure Pipe, and Fabricated Fittings, 4 In. through 12 In. (100 mm Through 300 mm), for Water Distribution.

AWWA C905 - Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 14 In. Through 36 In. (350 mm Through 1,200 mm), for Water Transmission and Distribution.

B.1.3 National Fire Protection Agency

NFPA 24 - Standard for the Installation of Private Fire Service Mains and Their Appurtenances.

B.2 Product Submittals

B.2.1 Product Data

Submit data on pipe materials, pipe fittings, accessories, and other pertinent data indicating proposed materials, accessories, details, and construction information.

B.2.2 Manufacturer's Installation Instructions

Indicate special procedures required to install Products specified.

B.2.3 Manufacturer's Certificate

Certify Products meet or exceed specified requirements.

B.2.4 Manufacturer

Company specializing in manufacturing products specified in this Section with minimum three years of documented experience.

B.2.5 Installer

Company specializing in performing work of this section with minimum one year of documented experience.

B.2.6 Project Record Documents

Record actual locations of water mains, fittings, connections, thrust blocks, joint restraints, valves, and elevations.

Identify and describe unexpected variations to subsoil conditions or discovery of uncharted utilities.

B.3 Product Materials

B.3.1 Ductile Iron Pipe

AWWA C151; Bituminous outside coating: AWWA C151. Pipe Mortar Lining: AWWA C104, double thickness.

Pipe Class: AWWA C151, for nominal thickness, rated water working pressure and maximum depth of cover. Class 52.

Pipe Lengths: Minimum 16-foot long pipe sections.

Fittings: Ductile iron, Full Body fittings conforming to AWWA C110 or Compact fittings conforming to AWWA C153. 250 psig working pressure. Foundry must be NSF 61 Certified.

- Coating and Lining:
 1. Bituminous Coating: AWWA C110.
 2. Cement Mortar Lining: AWWA C104, standard thickness.

Joints:

- Mechanical and Push-On Joints (slip joint): AWWA C111.
- Joints connecting pipes to fittings, valves, and hydrants shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.
 1. Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.
 2. Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series 1100, TUF Grip, or pre-approved equal.

B.3.2 Polyvinyl Chloride (PVC)

AWWA C900, Class 150, DR 18, Ductile iron outside diameter:

Fittings: Ductile iron, Full Body fittings conforming to AWWA C110 or Compact fittings conforming to AWWA C153. 250 psig working pressure. Foundry must be NSF 61 Certified.

- Coating and Lining:
 1. Bituminous Coating: AWWA C110.
 2. Cement Mortar Lining: AWWA C104, standard thickness.

Joints: ASTM D3139 PVC flexible elastomeric seals. Solvent-cement couplings are not permitted.

- Joints connecting pipes to fittings, valves, and hydrants shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.
 1. Joint restraint gasket on push-on joint pipe and fittings. U.S. Pipe/Field Lok Gasket, American Fast-Grip Gasket, or pre-approved equal.
 2. Use of wedge type restraining glands on mechanical joint pipe and fittings: Ebaa Iron/Megalug Series.

Rubber Gaskets, Lubricants, Glands, Bolts and Nuts: AWWA C111.B.3.3

B.3.3 Nitrile or Fluoroelastomer Gaskets

B.3.3.1 Nitrile Gaskets

Synthetic rubber, NBR or Buna-N, to be a copolymer of butadiene and acrylonitrile. The nitrile gaskets shall provide acceptable resistance to refined petroleum products and be from American Cast Iron Pipe Company or approved equal. Use in pipe gaskets for water main pipe at locations as shown on the plans and/or as directed by the engineer. Install as per manufacturer's recommendations.

B.3.3.2 Fluoroelastomer Gaskets

Fluoroelastomer rubber to contain proportions of fluorine, ethylene, and propylene and to offer acceptable chemical resistance to industrial chemicals, including aromatics and chlorinated solvents, and refined petroleum products. The fluoroelastomer gaskets shall be used in severe operating conditions and be from American Cast Iron Pipe Company or approved equal. Use in pipe gaskets for water main pipe at locations as shown on the plans and/or as directed by the engineer. Install as per manufacturer's recommendations.

B.3.4 Polyethylene Encasement

Shall meet the requirements of ANSI/AWWA-C105/A21.5 Standard.

Shall be 8 mil thickness and be provided by CLOW or pre-approved equal.

The polyethylene flat tube width shall conform to the following for mechanical joint and push-on joint pipe: 20" for 6" dia. Pipe; 24" for 8" dia. Pipe; 27" for 10" dia. Pipe; and 30" for 12" dia. pipe.

Use on ductile iron pipe in corrosive soils at locations as shown on the plans and/or as directed by the engineer. Install as per manufacturer's recommendations.

B.3.5 Underground Pipe Markers

Tracer Wire: Magnetic detectable conductor, brightly colored plastic covering. Required for PVC water main pipe installations.

B.3.6 Bedding and Cover Material

Bedding and Backfill Material as specified in the Backfill Section in these special provisions.

B.3.7 Accessories

B.3.7.1 Concrete for Thrust Restraints

Conform to standard spec 501. Solid concrete blocks may be substituted with permission from engineer.

B.3.7.1.1 Concrete Blocks for Support

Solid concrete, 8"x16"x4" blocks.

B.3.7.2 Steel rods, bolt, lugs and brackets

ASTM A36/A36M or ASTM A307 carbon steel.

B.3.7.3 Protective Coating

Bituminous coating.

B.3.7.4 Joint Restraining Glands

Ebaa Iron/Megalug Series 1100, TUF Grip, or pre-approved equal.

C. Construction

C.1 Preparation

Block individual and stockpiled pipe lengths to prevent moving.

Do not place pipe or pipe materials on private property or in areas obstructing pedestrian or vehicle traffic. Do not place pipe flat on ground. Cradle to prevent point stress.

Store polyethylene materials out of direct sunlight.

Verify that field measurements and elevations are as indicated on the drawings.

Verify that excavation base is ready to receive work and that excavations, dimensions, and elevations are as indicated on drawings. Notify engineer of any discrepancies.

Cut pipe ends square, ream pipe and tube ends to full pipe diameter, remove burrs. Use only equipment specifically designed for pipe cutting. The use of chisels or hand saws will not be permitted. Grind edges smooth with beveled end for push-on connections.

Remove scale and dirt on inside and outside before assembly.

Prepare pipe connections to equipment with flanges or unions.

C.2 Installation – Pipe and Fittings

Excavate pipe trench according to the Trenching Section in these special provisions. Hand trim excavation for accurate placement of pipe to elevations indicated on drawings.

Dewater excavations to maintain dry conditions and preserve final grades at bottom of excavation.

Provide sheeting and shoring according to the Trenching Section in these special provisions.

Correct over excavation with fine aggregate or washed stone in wet conditions.

Remove large stones or other hard matter capable of damaging pipe or impeding consistent backfilling or compaction.

Protect and support existing water lines, utilities and appurtenances.

Maintain profiles of utilities. Coordinate with other utilities to eliminate interference. Notify engineer where crossing conflicts occur.

Place bedding material as per the Backfill Section in these special provisions.

Pipe shall be laid immediately following the preparation of the bedding material.

Install pipe according to AWWA C600 and AWWA C605.

Handle and assemble pipe according to manufacturer's instructions and as indicated on drawings.

Maintain minimum 8-foot horizontal separation of water main from sewer piping according to NR 811.67.

Install pipe to indicated elevation to within tolerance of 1-inch.

Install ductile iron piping and fittings according to AWWA C600.

Route pipe in straight line. Relay pipe that is out of alignment or grade.

Install pipe with no high points. If unforeseen field conditions arise, which necessitate high points, install air release valves as directed by engineer.

(Install pipe to have bearing along entire length of pipe. Excavate bell holes to permit proper joint installation. Do not lay pipe in wet or frozen trench.

Prevent foreign material from entering pipe during placement.

Install pipe to allow for expansion and contraction without stressing pipe or joints.

Close pipe openings with watertight plugs during work stoppages.

Install access fittings to permit disinfection of water system performed under the Disinfection of Water Distribution System Section in these Special Provisions.

Place backfill material around and above the pipe as per the Backfill Section in these special provisions.

Maintain optimum moisture content of bedding material to attain required compaction density.

Excavate and locate the existing water main.

Maintain existing water service.

Protect pipe and aggregate cover from damage or displacement until backfilling operation is complete. Take care not to damage or displace installed pipe and joints during construction of pipe supports, backfilling, testing, and other operations. Repair or replace pipe that is damaged or displaced from construction operations.

C.3 Installation – Thrust Restraints

Provide valves, tees, bends, caps, and plugs with concrete thrust blocks. Pour concrete thrust blocks against undisturbed earth. Locate thrust blocks at each elbow or change of pipe direction to resist resultant force and so pipe and fitting joints will be accessible for repair.

Install tie rods, clamps, set screw retainer glands, or restrained joints at all fittings, valves, and hydrants. Install thrust blocks, tie rods, and joint restraint at dead ends of water main.

C.4 Field Quality Control

Perform pressure test on potable water distribution system according to AWWA C600.

Pressure test system to 150 psi. Repair leaks and re-test.

- After completion of pipeline installation, including backfill, but prior to final connection to existing system, conduct, in presence of engineer, concurrent hydrostatic pressure and leakage tests according to AWWA C600.
- Provide equipment required to perform leakage and hydrostatic pressure tests.
- Test Pressure: Not less than 150 psi or 50 psi in excess of maximum static pressure, whichever is greater.
- Conduct hydrostatic test for at least two-hour duration.
- No pipeline installation will be approved when pressure varies by more than 5 psi at completion of hydrostatic pressure test.
- Before applying test pressure, completely expel air from section of piping under test. Provide corporation cocks so air can be expelled as pipeline is filled with water. After air has been expelled, close corporation cocks and apply test pressure. At conclusion of tests, remove corporation cocks and plug resulting piping openings.
- Slowly bring piping to test pressure and allow system to stabilize prior to conducting leakage test. Do not open or close valves at differential pressures above rated pressure.
- Examine exposed piping, fittings, valves, hydrants, and joints carefully during hydrostatic pressure test. Repair or replace damage or defective pipe, fittings, valves, hydrants, or joints discovered, following pressure test.
- No pipeline installation will be approved when leakage is greater than that determined by the following formula:

$$L = \frac{SD\sqrt{P}}{148,000}$$

L = allowable, in gallons per hour

S = length of pipe tested, in inches

D = nominal diameter of pipe, in inches

p = average test pressure during leakage test, in pounds per square inch (gauge)

- When leakage exceeds specified acceptable rate, locate source and make repairs. Repeat test until specified leakage requirements are met.

D Measurement

The department will measure Water Main DR 18 PVC 6-Inch and Water Main DR 18 PVC 8-Inch by the linear foot, measured from center to center of proposed or existing tees, crosses, valves, or connection fittings, 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.0090.07	Water Main DR 18 PVC 6-Inch	LF
SPV.0090.08	Water Main DR 18 PVC 8-Inch	LF
SPV.0090.09	Water Main Class 52 Ductile Iron with Nitrile Gaskets and Polyethylene Encasement 8-Inch	LF

Payment Water Main is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; furnishing and installing the water main pipe, fittings, concrete thrust blocks, tracer wire, tracer wire access boxes, joint restraints; testing and any necessary temporary testing

corporation stop/bleeder; and for furnishing all tools, labor, materials, equipment, and incidentals necessary to complete the replacement.

Payment for Water Main Class 52 is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; furnishing and installing the water main pipe, fittings, concrete thrust blocks, tracer wire, tracer wire access boxes, joint restraints, nitrile gaskets, and polyethylene encasement; testing and any necessary temporary testing corporation stop/bleeder necessary to complete the Water Main replacement in contaminated soil areas.

81. Construction Staking Wall Modular Block, Item SPV.0090.10.

A Description

This special provision describes the contractor-performed construction staking, or automated machine guidance (AMG) methods, required under individual contract bid items to establish the horizontal and vertical position for wall modular block.

B (Vacant)

C Construction

Perform staking according to standard spec 650.3.1 and as required for concrete barrier in standard spec 650.3.9.

D Measurement

The department will measure Construction Staking Wall Modular Block by the linear foot, acceptably completed, measured along the base of the front face of the wall.

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	Construction Staking Wall Modular Block	LF

The department will not make final payment for any staking item until the contractor submits survey notes and computations used to establish the required lines and grades to the engineer within 21 days of completing this work. The department will deduct from payments due the contractor for the additional costs specified in standard spec 105.6.

Payment for Construction Staking Wall Modular Block is full compensation for locations and setting construction stakes; for adjusting stakes to ensure compatibility with existing field conditions, and for relocating and resetting damaged or missing construction stakes.

82. Removing Pipe Rail, Item SPV.0090.11.

A Description

This special provision describes removing pipe railing in conformance to standard spec 204.

B (Vacant)

C Construction

Pipe rail shall be removed as shown on the plans and as directed by the engineer. Removed pipe rail shall become property of the contractor and shall be disposed of off the project site.

D Measurement

The department will measure Removing Pipe Rail by the linear foot acceptably completed, measured along the top of the rail.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.11	Removing Pipe Rail	LF

Payment for Removing Pipe Rail is full compensation for removal and disposal of pipe rail.

83. Water Main Horizontal Directional Drilling 8-Inch, Item SPV.0090.12.

A Description

This special provision describes providing and installing water main via the directional drilling method across the Pecatonica River, as further directed by the engineer in the field, and as hereinafter provided.

B Materials

B.1 References

B.1.1 American Association of State Highway and Transportation Officials

AASHTO T180 - Standard Specification for Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop.

B.1.2 ASTM International

ASTM D698 - Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort 12,400 ft-lbf/ft³.

ASTM D1557 - Standard Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort 6,000 ft-lbf/ft³.

ASTM D2922 - Standard Test Method for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth).

ASTM D3017 - Standard Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth).

ASTM F1962 - Standard Guide for Use of Maxi-Horizontal Directional Drilling for Placement of Polyethylene Pipe or Conduit Under Obstacles, Including River Crossings.

B.1.3 National Utility Contractors Association

NUCA - HDD Installation Guidelines.

B.2 Submittals

B.2.1 Shop Drawings

Submit technical data for equipment, method of installation, and proposed sequence of construction.

Include information pertaining to pits, dewatering, method of spoils removal, equipment size and capacity, equipment capabilities including installing pipe on radius, type of drill bit, drilling fluid, method of monitoring line and grade and detection of surface movement, name plate data for drilling equipment and mobile spoils removal unit.

B.2.2 Product Data

Identify source of water used for drilling.

Submit copy of approvals and permits for use of water source.

B.2.3 Installer Qualifications

Company specializing in performing work of this section with a minimum of five years documented experience.

- Work Experience: Include projects of similar scope and conditions.
- Furnish list of references upon request.
- Submit history of previous work completed of equivalent nature and scope. Include qualifications and experience of key personnel.
- Obtain any necessary permits for installations of utilities on right-of-ways and/or easements.

B.2.4 Manufacturer's Certificate

Provide documentation to certify that the products used with the utility installation meet or exceed specified requirements for directional drilling.

B.2.5 Project Record Documents

Record actual locations of pipe and invert elevations.

Identify and describe unexpected variations to subsoil conditions or discovery of uncharted utilities.

Record actual depth of pipe at 25-foot intervals.

Record actual horizontal location of installed pipe.

Show depth and location of abandoned bores.

Record depth and location of drill bits and drill stems not removed from bore.

B.3 Design Criteria

Drilling Steering System: Remote with continuous electronic monitoring of boring depth and location.

Directional Change Capability: 90 degree with 35 foot radius curve.

Minimum distance for single bores and between boring pits:

Pipe Size	Boring Distance
1 to 1 ½-inches	400-feet
2 to 2 ½-inches	350-feet
3 to 6-inches	300-feet

Ratio of Reaming Diameter to Pipe Outside Diameter:

- Nominal Pipe Diameter of 6-Inches and Smaller: 1.5 maximum.
- Nominal pipe diameter larger than 6-Inches: Submit recommended ratio and reaming procedures for review.

B.4 Product Materials

B.4.1 Drilling Fluid

Drilling Fluid: Liquid bentonite clay slurry; totally inert with no environmental risk.

B.4.2 Pipe

Furnish materials according to State of Wisconsin and Municipality standards.

High-Density Polyethylene (HDPE): AWWA C900, Class 150, DR 11, Ductile iron outside diameter:

- Fittings: Ductile iron, Full Body fittings conforming to AWWA C110 or Compact fittings conforming to AWWA C153. 250 psig working pressure.
 1. Coating and Lining:
 - Bituminous Coating: AWWA C110.
 1. Cement Mortar Lining: AWWA C104, standard thickness.
 - Fused Joints: ASTM D-2657 Heat Joining Polyolefin Pipe and Fittings. Solvent-cement couplings are not permitted.
 1. Joints connecting pipes to fittings, and valves shall be restrained the required restrained length on each side of the fitting. One of the following shall be used.
 - Butt-Fused, ASTM F2206-11.
 - 1. Electrofusion, ASTM F1290-98a, or approved equal.

Water Service Pipe: ASTM B88 Type K Copper as specified in the Water Service Section in these Special Provisions.

Sanitary Sewer Lateral Pipe: ASTM 3034, SDR 35 Poly Vinyl Chloride (PVC) as specified in in the Sanitary Sewer Lateral Section in these Special Provisions.

B.4.3 Water Source

Water: Potable water to be obtained from the municipal water system at the closest available location.

B.4.4 Underground Pipe Markers

Tracer Wire: Electronic detection materials for non-conductive piping products.

- Shielded 12 gauge copper wire.
- Conductive tape.

C Construction

C.1 Preparation

Perform work according to the following:

- NUCA HDD Installation Guidelines.
- ASTM F1962.

Perform Work according to the State of Wisconsin and Municipality standard.

Call Digger's Hotline not less than three working days before performing Work.

- Request underground utilities to be located and marked within and surrounding construction areas.

Pre-installation Meeting

- Convene minimum one week prior to commencing work of this section.

Provide temporary end caps and closures on piping and fittings until pipe is installed.

Protect pipe from entry of foreign materials and water by temporary covers, completing sections of work, and isolating parts of completed system.

Accept products on site in manufacturer's original containers or configuration. Inspect for damage.

Use shipping braces between layers of stacked pipe. Stack piping lengths no more than 3 layers high.

Store field joint materials indoors in dry area in original shipping containers. Maintain storage temperature of 60 to 85 degrees F.

Support pipes with nylon slings during handling.

Locate, identify, and protect utilities indicated to remain from damage.

Identify required lines, levels, contours, and datum locations.

Protect plant life, lawns, and other features remaining as portion of final landscaping.

Protect benchmarks, survey control points, existing structures, fences, sidewalks, pavements, and curbs from excavating equipment and vehicular traffic.

Conduct operations so as not to interfere with, interrupt, damage, destroy, or endanger integrity of surface or subsurface structures or utilities, and landscape in immediate or adjacent areas.

Establish pipe elevations with not less than 6-feet of cover.

Establish minimum separation between sanitary sewer, storm, and water system piping according to Wisconsin Administrative Codes NR 110 and NR 811.

C.2 Dewatering

Intercept and divert surface drainage, precipitation, and groundwater away from excavation through use of dikes, curb walls, ditches, pipes, sumps or other means.

Develop and maintain substantially dry subgrade during drilling and pipe installation.

Comply with the Wisconsin Department of Natural Resources regulations for discharging water to watercourse, preventing stream degradation, and erosion and sediment control.

C.3 Existing Work

Complete construction in an orderly fashion to maintain access to existing roadways and facilities located within the Project area.

C.4 Excavation

Excavate according to the Trenching Section in these special provisions.

Excavate approach trenches and pits as site conditions require. Minimize number of access pits.

Provide sump areas to contain drilling fluids.

Restore areas after completion of drilling and carrier pipe installation.

C.5 Drilling

Drill pilot bore with vertical and horizontal alignment as indicated and directed by the engineer.

Guide drill remotely from ground surface to maintain alignment by monitoring signals transmitted from drill bit.

- Monitor depth, pitch, and position.
- Adjust drill head orientation to maintain correct alignment.

Inject drilling fluid into bore to stabilize hole, remove cuttings, and lubricate drill bit and pipe.

Continuously monitor drilling fluid pumping rate, pressure, viscosity, and density while drilling pilot bore, back reaming, and installing pipe to ensure adequate removal of soil cuttings and stabilization of bore.

- Provide relief holes when required to relieve excess pressure.
- Minimize heaving during pullback.

Calibrate and verify electronic monitor accuracy during first 50 feet of bore in presence of architect/engineer before proceeding with other drilling.

After completing pilot bore, remove drill bit.

C.6 Drilling Obstructions

When obstructions are encountered during drilling, notify architect/engineer immediately. Do not proceed around obstruction without architect/engineer's approval.

For conditions requiring more than 3 feet deviation in horizontal alignment, submit new shop drawings to architect/engineer for approval before resuming work.

Maintain adjusted bore alignment within easement or right-of-way.

C.7 Pipe Installation

After completing pilot bore, remove drill bit. Install reamer and pipe pulling head.

- Select reamer with minimum bore diameter required for pipe installation.

Attach pipe to pipe pulling head. Pull reamer and pipe to entry pit along pilot bore.

Inject drilling fluid through reamer to stabilize bore and lubricate pipe.

Install piping with horizontal and vertical alignment as shown and specified.

Protect and support pipe being pulled into bore so pipe moves freely and is not damaged during installation.

Do not exceed pipe manufacturer's recommended pullback forces.

Install trace wire continuous with each bore. Splice trace wire only at intermediate bore pits. Tape or insulate trace wire to prevent corrosion and maintain integrity of pipe detection.

- Terminate trace wire for each pipe run at structures along pipe system.
- Provide extra length of trace wire at each structure, so trace wire can be pulled 3-feet out top of structure for connection to detection equipment.
- Test trace wire for continuity for each bore before acceptance.

Provide sufficient length of pipe to extend past termination point to allow connection to the existing utility.

Allow minimum of 24 hours for stabilization after installing pipe before making connections to pipe.

Mark location and depth of bore with spray paint on paved surfaces, and wooden stakes on non-paved surfaces at 25-foot intervals.

C.8 Slurry Removal and Disposal

Contain excess drilling fluids at entry and exit points until recycled or removed from site. Provide recovery system to remove drilling spoils from access pits.

Remove, transport and legally dispose of drilling spoils.

- Do not discharge drilling spoils in sanitary sewers, storm sewers, or other drainage systems.
- When drilling in suspected contaminated soil, test drilling fluid for contamination before disposal.

When drilling fluid leaks to surface, immediately contain leak and barricade area from vehicular and pedestrian travel before resuming drilling operations.

Complete cleanup of drilling fluid at end of each workday.

C.9 Backfill

Place bedding material as per the Backfill Section in these special provisions.

Place backfill material around and above the pipe as per the Backfill Section in these special provisions.

Backfill approach trenches and pits with subsoil fill to match contours and elevations of surrounding existing grade.

C.10 Erection Tolerances

Maximum Variation from Horizontal Position: 12-inches.

Maximum Variation from Vertical Elevation: 12-inches.

Minimum Horizontal and Vertical Clearance from Other Utilities: 12-inches.

When pipe installation deviates beyond specified tolerances, abandon bore, remove installed pipe, re-bore, and reinstall pipe in correct alignment.

Fill abandoned bores greater than 3-inches in diameter with grout or flowable fill material.

C.11 Field Quality Control

Upon completion of pipe installation, test pipe according to the following:

- Sanitary Sewer Pipe Testing: Backfill Section in these special provisions.
- Water Distribution Pipe Testing: Backfill Section in these special provisions.

Compaction Testing: As specified in Backfill Section in these special provisions and according to ASTM D1557.

When tests indicate Work does not meet specified requirements, remove work, replace, and retest.

Certify that equipment for drilling has been properly set-up and is ready for drilling.

Upon completion of drilling and pipe installation, remove drilling spoils, debris, and unacceptable material from approach trenches and pits. Clean up excess slurry from ground.

Furnish services of manufacturer's field representative experienced in installation of drilling equipment and products furnished under this specification for not less than one man-days on-site for installation, inspection and field testing, and instructing owner's personnel in the use and maintenance of drilling equipment.

D Measurement

The department will measure Water Main Horizontal Directional Drilling 8-Inch by the linear foot, measured from end of HDPE pipe to end of HDPE pipe where connecting DR 18 PVC, 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.0090.12	Water Main Horizontal Directional Drilling 8-Inch	LF

Payment is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; furnishing and installing the HDPE water main pipe, fittings, tracer wire, tracer wire access boxes, joint restraints; and butt fusing.

84. Rectangular Rapid Flashing Beacon System, Item SPV.0105.01.

A Description

This special provision describes furnishing and installing a solar powered Rectangular Rapid Flashing Beacon (RRFB) system according to standard spec 651, as directed by the engineer, and as hereinafter provided.

B Materials

B.1 General Requirements

Conform the RRFB to all applicable FHWA and MUTCD standards and guidelines and meet or exceed the requirements specified in FHWA Memorandum IA-21, Interim Approval for Optional Use of Rectangular Rapid Flashing Beacons, and all FHWA Official Interpretations for IA-21.

Furnish a crosswalk assembly with one light bar or with two light bars mounted back-to-back. See plans for whether assemblies require one light bar or two light bars. Provide three LED light arrays with each light bar: two rapidly and alternately flashing rectangular amber (vehicle) indications and one amber side-mounted (pedestrian) indication. Operate the system with one controller with remote hardwired light bars and pushbuttons. Provide a system capable of future operation with wireless communication between the push buttons, controller, and light bars.

Activate the RRFB system utilizing ADA compliant pedestrian push buttons that are hardwired. Synchronize the activation and deactivation of all indications.

B.2 Equipment Requirements

Furnish a complete RRFB system with single or multiple light bar assemblies. Each assembly shall consist of, but is not limited to, controller and electrical components (including wiring and solid-state circuit boards), and LED indications in a light bar. Include the following items:

- System
 - The RRFB shall be normally dark, shall initiate operation only upon pedestrian actuation, and shall cease operation at a predetermined time after the pedestrian actuation or, with passive detection, after the pedestrian clears the crosswalk.
 - When activated, all indications associated with a given crosswalk shall simultaneously commence operation within 120 msec, and shall cease operation at a predetermined time (programmable timeout). The time shall reset after any pedestrian actuation.
 - The duration of the flash cycle (timeout) shall be programmable from a minimum of 5 second to 60 minutes, in increments of seconds.
 - Individual components shall be independently replaceable, equipped with approved terminal strips or wire-end molded connectors.
- RRFB Controller
 - Solid-state, digital controller capable of operating the RRFB as specified.
 - Capable of storing input count data in preset intervals, with downloadable capabilities.
 - Replaceable independently of other components.
 - Completely programmable, including but not limited to, flash pattern and duration.
 - An on-board user interface that provides system diagnostics and allows system setting changes.

- Control Circuit
 - The control circuit shall have the capability of independently flashing up to two independent outputs. The LED light outputs and flash pattern shall be completely programmable.
 - The flashing output shall have 70 to 80 periods of flashing per minute with a 100-millisecond duration on time. The output shall reach the output current as programmed for the duration of the pulse.
 - When two indications are mounted side-by-side, they shall have alternating but approximately equal periods of rapid pulsing light emissions and dark operation. Also, during each of the 70 to 80 flashing periods per minute, one of the indications shall emit two (2) rapid pulses of light and the other indication shall emit three (3) rapid pulses of light.
 - Flash rates with the frequencies of 5 to 30 flashes/second shall not be used to avoid inducing seizures.
 - When activated, the RRFB shall operate for a predetermined interval based on MUTCD procedures for timing of pedestrian clearance times for pedestrian signals. Coordinate with the department for this interval.
 - To prevent continuous activation of the RRFB and to allow vehicular queue clearance, the RRFB shall be programmed to prevent activation within 30 seconds of the termination of a previous activation.
 - The control circuit shall be installed in an IP67 NEMA rated enclosure.
 - All circuit connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 3 feet deep for 30 minutes. Connectors shall be Deutsch DTM series.
 - All individual components of the system shall be replaceable to allow for easy field repair and maintenance.
- Wireless Radio:
 - Radio control shall operate on 900mhz frequency hopping spread spectrum or 2.4 GHz ISM band mesh network radio.
 - Radio shall integrate with communication of RRFB system control circuit to activate light indications from pushbutton input.
 - The Radio shall synchronize all of the remote light indications so they will turn on within 120msec of each other and remain synchronized through-out the duration of the flashing cycle.
 - Radio systems shall operate from 3.6 vdc to 15vdc
 - The Radio unit shall have an LCD display to program flash time and communicate system information, such as battery voltage, battery temperature and solar charge level, and onboard diagnostics.
 - All individual components of the system shall be replaceable to allow for easy field repair and maintenance.
- Enclosure
 - A NEMA Type 3R aluminum enclosure intended for indoor or outdoor use, primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from ice formation.
 - Of sufficient size to house all equipment furnished under this special provision and for future equipment for wireless operation.
 - Constructed from type 5052-H32 aluminum with a minimum thickness of 0.080".

- Vented to promote airflow for internal components. All vents and drains shall include screening to deter insects and foreign matter.
- Include a replaceable #2 Corbin traffic lock and keys.
- Utilize tamper-resistant stainless continuous steel hinges.
- Include a removable control panel to which all control circuit components mount.
- Utilize stainless steel mounting studs to accommodate bracket options.
- Battery
 - The battery shall be a 12VDC Absorbed Glass Mat (AGM) sealed lead-acid, maintenance-free battery.
 - The battery shall be rated at 45AH minimum and shall conform to Battery Council International (BCI) specifications or battery system that is 14 Ah and is suitable for usage model and system autonomy requirements or approved equal.
 - All batteries shall be sealed in a plastic film to provide moisture and corrosion resistance.
 - The Battery shall have a minimum operation temperature range of -76° to 140°F (-60° to 60°C).
 - All battery connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 3 feet deep for 30 minutes. Connectors shall be Deutsch DTM series or approved equal.
 - The Battery shall be solar-charged with a capacity up to 30 days of autonomy without sunlight, varying with ambient temperature and number of activations. Solar calculations shall be provided.
- Solar Panel
 - The Solar Panel shall provide a minimum of 10 watts and a maximum of 55 watts at peak total output or approved equal.
 - The Solar Panel shall be affixed to an aluminum plate and bracket, a minimum angle of 45 degrees to allow for maximum solar collection and optimal batter strength or approved equal.
 - The Solar Panel Assembly (panel, plate and bracket) shall be mounted on a pole cap mount or aluminum mounting bracket to allow for maximum solar collection and optimal battery strength or approved equal.
 - The solar Panel shall have a minimum operating temperature range of -40° to 185°F (-40° to 85°C).
- Light Housing and Indications
 - A black colored light bar housing constructed of durable, corrosion-resistant powder-coated aluminum with stainless steel fasteners.
 - Enclosed components shall be modular in design whereby any component can be easily replaced using common hand tools, without having to remove the housing from the pole.
 - All mounting hardware required for mounting the light bar housing shall be provided and universal to multiple poles.
 - Yellow indications of a minimum size of approximately 5" wide x 2" high.
 - Two indications shall be installed on an assembly facing each direction of approaching vehicular traffic. The two indications shall be aligned horizontally, with the longer dimension of the indication horizontal, and a minimum space between the two indications of approximately 7" measured from inside edge of one indication to inside edge of second indication.

- A pedestrian LED indication shall be side-mounted in the light bar housing: assembly to be mounted so it is directed toward, and visible to, pedestrians in the crosswalk.
- The outside edges of the two indications, including any housing, shall not protrude beyond the outside edges of the integral signage of the assembly.
- The light intensity of the yellow indications shall meet the minimum specifications of the Society of Automotive engineers (SAE) standard J595 (Directional Flashing Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles) dated January 2005 for Class 1 peak luminous intensity (candelas).
- Sign
 - All signs are to be supplied and installed under separate bid items. Construct RRFB assemblies to allow the appropriate space for the installation of the signs in the field as shown in the plans.
- Hardware
 - Furnish all hardware, connections, and other miscellaneous items to make the RRFB system fully operational.
 - All exposed hardware shall be anti-vandal.
- The following items are to be supplied and installed under a separate bid item:
 - Pushbutton
 - Pedestal Pole
 - Traffic Signal Standard
 - Concrete Base

B.3 Warranty

Provide a one year warranty from the date of activation and acceptance by the engineer through the contractor's one year performance bond. Provide service information to the purchaser, consisting of at least parts manuals and operational/maintenance manuals.

C Construction

The RRFB system consists of multiple assemblies to be constructed by the contractor as shown on the plans. Assemble RRFB with pedestrian activation per the manufacturer's recommendations. Mount the controller cabinet, signage, light bar, and push buttons to the traffic signal standards as shown on the plans and per the manufacturer's requirements. Mount the Pedestrian Indication LEDs to be visible to pedestrians in the crosswalk, and to flash concurrently with the vehicle indications to confirm that the RRFB is in operation.

Program the controller and make the RRFB system fully operational. The city will provide the flash operation timings. Instruct the city in programming and operation of the controller.

D Measurement

The department will measure Rectangular Rapid Flashing Beacon System as a single lump sum unit of work for each 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.0105.01	Rectangular Rapid Flashing Beacon System	LS

Payment is full compensation for furnishing and installing a fully operational RRFB system including wire and all necessary mounting hardware and appurtenances; and for shop drawings, manuals, and warranty.

85. **Wall Modular Block Gravity Landscape STA 1'A'+00, Item SPV.0165.01;**
Wall Modular Block Gravity Landscape STA 1'J'+00, Item SPV.0165.02;
Wall Modular Block Gravity Landscape STA 1'K'+00, Item SPV.0165.03;
Wall Modular Block Gravity Landscape STA 1'L'+00, Item SPV.0165.04;
Wall Modular Block Gravity Landscape STA 1'M'+00, Item SPV.0165.05;
Wall Modular Block Gravity Landscape STA 1'N'+00, Item SPV.0165.06;
Wall Modular Block Gravity Landscape STA 1'P'+00, Item SPV.0165.07;
Wall Modular Block Gravity Landscape STA 1'Q'+00, Item SPV.0165.08.

A Description

This special provision describes designing, furnishing materials and erecting a permanent earth retention system according to the lines, dimension, elevations and details as shown on the plans and provided in the contract. The design life of the wall and all wall components shall be 75 years minimum.

B Materials

B.1 Proprietary Wall Systems

The supplied wall system must be from the department's approved list of Modular Block Gravity Landscape Wall systems. Proprietary wall systems must conform to the requirements of this specification and be pre-approved for use by the department's Bureau of Structures. The department maintains a list of pre-approved proprietary wall systems. The name of the pre-approved proprietary wall system selected shall be furnished to the engineer within 25 days after the award of contract. The location of the plant manufacturing the facing units shall be furnished to the engineer at least 14 days prior to the project delivery.

To be eligible for use on this project, a system must have been pre-approved by the Bureau of Structures and added to that list prior to the bid closing date. To receive pre-approval, the retaining wall system must comply with all pertinent requirements of this provision and be prepared according to the requirements of Chapter 14 of the department's LRFD Bridge Manual. Information and assistance with the pre-approval process can be obtained by contacting the Bureau of Structures, Structures Maintenance Section at the following email address: DOTDLStructuresFabrication@dot.wi.gov.

B.2 Design Requirements

It is the responsibility of the contractor to submit a design and supporting documentation as required by this special provision, for review and acceptance by the department, to show the proposed wall design is in compliance with the design specifications. The submittal shall include the following items for review: detailed plans and shop drawings, complete design calculations, explanatory notes, supporting materials, and specifications. The detailed plans and shop drawings shall include all details, dimensions, quantities and cross-sections necessary to construct the walls. Submit shop drawings to the engineer conforming to [105.2](#) with electronic submittal to the fabrication library under [105.2.2](#). Certify that shop drawings conform to quality control standards by submitting department form [DT2329](#) with each set of shop drawings. Department review does not relieve the contractor from responsibility for errors or omissions on shop drawings. Submit no later than 60 days from the date of notification to proceed with the project and a minimum of 30 days prior to the date proposed to begin wall construction.

The plans and shop drawings shall be prepared on reproducible sheets 11 inch x 17 inch, including borders. Each sheet shall have a title block in the lower right corner. The title block shall include the WisDOT project identification number and structure number. Design calculations and notes shall be on 8 ½ inch x 11 inch sheets, and shall contain the project identification number, name or designation of the wall, date of preparation, initials of designer and checker, and page number at the top of the page. All plans, shop drawings, and calculations shall be signed, sealed and dated by a professional engineer licensed in the State of Wisconsin.

The design of the wall shall be in compliance with the current American Association of State Highway and Transportation Officials LRFD (AASHTO LRFD) Bridge Design Specifications with latest interim specifications for Mechanically Stabilized Earth Walls, WisDOT's current Standard Specifications for Highway and Structure Construction (standard spec), Chapter 14 of the WisDOT LRFD Bridge Manual and standard engineering design procedures as determined by the department. Loads, load combinations, load and resistance factors shall be as specified in AASHTO LRFD Section 11. The associated resistance factors shall be defined according to Table 11.5.7-1 in AASHTO LRFD.

Design and construct the walls according to the lines, grades, heights and dimensions shown on the plans, as herein specified, and as directed by the engineer.

Walls shall be designed for a minimum live load surcharge of 100 psf according to Chapter 14 of the WisDOT LRFD Bridge Manual or as shown on the plans.

A maximum value of the angle of internal friction of the wall backfill material used for design shall be assumed to be 30 degrees without a certified report of tests. If a certified report of tests yields an angle of internal friction greater than 30 degrees, the larger test value may be used for design, up to a maximum value of 36 degrees.

The design of the wall by the contractor shall consider the internal and compound stability of the wall mass according to AASHTO LRFD 11.10.6. Internal stability shall also be considered at each block level. Calculations for factored stresses and resistances shall be based upon assumed conditions at the end of the design life. The width of the modular block (front face to back face) shall be included in the design computations and shown on the wall shop drawings. Blocks must have a minimum width of 8 inches. Block widths may vary among courses but shall consist of only a single block. Compound stability shall be computed for the applicable strength limits. Sample analyses and hand calculations shall be submitted to verify the output of any software program used. The design calculations and notes shall clearly indicate the Capacity to Demand Ratios (CDR) for all internal and external stabilities as defined in AASHTO LRFD.

Wall facing units shall be designed according to AASHTO LRFD 11.10.2.3.

The minimum embedment of the wall shall be 1 foot 6 inches below finished grade, or as given on the plans. All walls shall be provided with a concrete or base aggregate leveling pad. Minimum wall embedment does not include the leveling pad depth. Step the leveling pad to follow the general slope of the ground line. Frost depth shall not be considered in designing the wall for depth of leveling pad.

Wall facing units shall be installed on a leveling pad.

B.3 Wall System Components

Materials furnished for wall system components under this contract shall conform to the requirements of this specification. All documentation related to material and components of the wall systems specified in this subsection shall be submitted to the engineer.

B.3.1 Wall Facing

Wall facing units shall consist of precast modular concrete blocks. Furnish concrete produced by a dry-cast or wet-cast process. Concrete for all blocks shall not contain less than 565 pounds of cementitious materials per cubic yard. The contractor may use cement conforming to standard spec. [501.2.1](#) or may substitute for portland cement at the time of batching conforming to standard spec. [501.2.6](#) for fly, [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% of the total cementitious content by weight.

Dry-cast concrete blocks shall be manufactured according to ASTM C1372 and this specification.

All units shall incorporate a mechanism or devices that develop a mechanical connection between vertical block layers. Units that are broken, have cracks wider than 0.02" and longer than 25% of the nominal height of the unit, chips larger than 1", have excessive efflorescence, or are otherwise deemed unacceptable by the engineer, shall not be used within the wall. A single block front face style shall be used throughout each wall. The color and surface texture of the block shall be as given on the plan.

The top course of facing units shall be as noted on the plans, either;

- Solid precast concrete unit designed to be compatible with the remainder of the wall. The finishing course shall be bonded to the underlying facing units with a durable, high strength, flexible adhesive compound compatible with the block material.
- A formed cast-in-place concrete cap. A cap of this type shall have texture, color, and appearance, as noted on the plans. The vertical dimension of the cap shall not be less than 3 1/2 inches. Expansion joints shall be placed in the cap at a maximum spacing of 20 feet unless noted otherwise on the plan. Use Grade A, A-FA, A-S, A-T, A-IS, A-IP or A-IT concrete conforming to standard spec 501 as modified in standard spec 716. Provide QMP for cast in place cap and coping concrete as specified in standard spec 716, Class II Concrete.

Block dimensions may vary no more than $\pm 1/8$ inch from the standard values published by the manufacturer. Blocks must have a minimum width (front face to back face) of 8 inches. The minimum front face thickness of blocks shall be 4 inches measured perpendicular from the front face to inside voids greater than 4 square inches. The minimum allowed thickness of any other portions of the block is 1 3/4 inches. The front face of the blocks shall conform to plan requirements for color, texture, or patterns.

If pins are used to align modular block facing units, they shall consist of a non-degrading polymer, or hot dipping galvanized steel and be made for the express use with the modular block units supplied, to develop mechanical interlock between facing unit block layers. Connecting pins shall be capable of holding the wall in the proper position during backfilling. Furnish documentation that establishes and substantiates the design life of such devices.

B.3.1.1 Material Testing

Provide independent quality verification testing of project materials according to the following requirements:

Test	Method	Requirement	
		Dry-cast	Wet-cast
Compressive Strength (psi)	ASTM C140	5000 min.	4000 min.
Air Content (%)	AASHTO T152	N/A	6.0 +/-1.5
Water Absorption (%)	ASTM C140	6 max. ^[3]	N/A
Freeze-Thaw Loss (%) 40 cycles, 5 of 5 samples 50 cycles, 4 of 5 samples	ASTM C1262 ^[1]	1.0 max. ^{[2][3]} 1.5 max. ^{[2][3]}	N/A

^[1] Test shall be run using a 3% saline solution and blocks greater than 45 days old.

^[2] Test results that meet either of the listed requirements for Freeze-Thaw Loss are acceptable.

^[3] The independent testing laboratory shall control and conduct all sampling and testing. Prior to sampling, the manufacturer's representative shall identify materials by lot. Five blocks per lot shall be randomly selected for testing. Solid blocks used as a finishing or top course shall not be selected. The selected blocks shall remain under the control of the person who conducted the sampling until shipped or delivered to the testing laboratory. All pallets of blocks within a lot shall be strapped or wrapped to secure the contents and tagged or marked for identification. The engineer will reject any pallet of blocks delivered to the project without intact security measures. At no expense to the department, the contractor shall remove all rejected blocks from the project. If a random sample of five blocks of any lot tested by the department fails to meet any of the above testing requirements, the entire lot will be considered non-conforming.

The contractor and fabricator shall coordinate with the independent testing agency to ensure that strength and air content samples can be taken appropriately during manufacturing. At the time of delivery of materials, furnish the engineer a certified report of test from an AASHTO-registered or ASTM-accredited independent testing laboratory for each lot.

The certified test report shall include the following:

- Project ID
- Production process used (dry-cast or wet-cast)
- Name and location of testing facility
- Name of sampling technician
- Lot number and lot size

Testing of project materials shall be completed not more than 18 months prior to delivery. Independent testing frequency shall not exceed 5000 blocks for dry-cast blocks and the lesser of 150 CY or 1 day's production for wet-cast blocks. The certified test results will represent all blocks within the lot. Each pallet of blocks delivered shall bear lot identification information. Block lots that do not meet the requirements of this specification or blocks without supporting certified test reports will be rejected and shall be removed from the project at no expense to the department.

Nonconforming materials will be subject to evaluation according to standard spec 106.5.

B.3.2 Leveling Pad

Provide an unreinforced cast-in-place concrete or base aggregate leveling pad. Use Grade A, A-FA, A-S, A-T, A-IS, A-IP, or A-IT concrete conforming to standard spec 501 as modified in standard spec 716. Provide QMP for leveling pad concrete as specified in standard spec 716, Class III Concrete. Use Base Aggregate Dense 1 1/4-Inch conforming to standard spec 305.

The minimum width of the concrete leveling pad shall be as wide as the proposed blocks plus 6-inches, with 6-inches of the leveling pad extending beyond the front face of the blocks. The minimum thickness of the leveling pad shall be 6-inches.

The minimum width of the base aggregate leveling pad shall be as wide as the proposed blocks plus 12-inches, and the modular blocks centered on the leveling pad. The minimum thickness of the leveling pad shall be 12-inches after compaction.

B.3.3 Backfill

Furnish and place backfill for the wall as shown on the plans and as hereinafter provided.

Wall Backfill, Type A, shall comply with the requirements for Coarse Aggregate Size No. 1 as given in standard spec 501.2.5.4. All backfill placed within a zone from the top of the leveling pad to the top of the final layer of wall facing units and within 1 foot behind the back face of the wall shall be Wall Backfill, Type A. This includes all material used to fill openings in the wall facing units.

A layer of Geotextile Type "DF" (Schedule B) shall be placed vertically between the backfill and the Type A backfill. The geotextile shall extend from the top of the leveling pad to 6 inches below the surface of the retained soil. The geotextile shall then wrap across the top of the Type A backfill to the back of block wall facing.

Backfill placed between retained soil and Type A backfill shall comply with the requirements for Granular Backfill Grade 1 as contained in standard spec 209.2.2 of the standard spec. The contractor may substitute Type A Backfill for Granular Backfill Grade 1.

C Construction

C.1 Excavation and Backfill

Excavation and preparation of the foundation for the wall and the leveling pad shall be according to standard spec 206. At the end of each working day, provide good temporary drainage such that the backfill shall not become contaminated with run-off soil or water if it should rain. Do not stockpile or store materials or large equipment within 10 feet of the back of the wall.

Place backfill materials in the areas as indicated on the plans and as detailed in this specification. Backfill lifts shall be no more than 8-inches in depth, after compaction. Backfilling shall closely follow erection of each course of wall facing units.

Conduct backfilling operations in such a manner as to prevent damage or misalignment of the wall facing units or other wall components. At no expense to the department, correct any such damage or misalignment as directed by the engineer. A field representative of the wall supplier shall be available during wall construction to provide technical assistance to the contractor and the engineer.

Do not operate tracked or wheeled equipment on the backfill within 3 feet from the back face of modular blocks. The engineer may order the removal of any large or heavy equipment that may cause damage or misalignment of the wall facing units.

C.2 Compaction

Compact wall backfill Type A with at least three passes of lightweight manually operated compaction equipment acceptable to the engineer.

Ensure adequate moisture is present in the backfill during placement and compaction to prevent segregation and to help achieve compaction.

Compaction of backfill within 3 feet of the back face of the wall should be accomplished using lightweight compaction devices. Use of heavy compaction equipment or vehicles should be avoided within 3 feet of the modular blocks.

C.3 Wall Components

C.3.1 General

Erect wall facing units and other associated elements according to the wall manufacturer's construction guide and to the lines, elevations, batter, and tolerances as shown on the plans. Center the initial layer of facing units on the leveling pad; then level them and properly align them. Fill formed voids or openings in the facing units with wall backfill, Type A. Remove all debris on the top of each layer of facing units, before placing the next layer of facing units.

Install all pins, rods, clips, or other devices used to develop mechanical interlock between facing unit layers according to the manufacturer's directions.

C.3.2 Leveling Pad

Provide an unreinforced cast-in-place concrete or base aggregate leveling pad as shown on the plans. Vertical tolerances shall not exceed 3/4-inch when measured along a 10-foot straight edge. Allow the concrete to set at least 12 hours prior to placing wall facing units.

The bottom row of wall facing units shall be horizontal and 100% of the unit surface shall bear on the leveling pad.

D Measurement

The department will measure Wall Modular Block Gravity Landscape by the square foot, acceptably completed. The department will compute the measured quantity from the theoretical pay limits the contract plans show. The department will make no allowance for wall area constructed above or below the theoretical pay limits. All work beyond the theoretical pay limits is incidental to the cost of work. The department will make no allowance for as-built quantities.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.01	Wall Modular Block Gravity Landscape STA 1'A'+00	SF
SPV.0165.02	Wall Modular Block Gravity Landscape STA 1'J'+00	SF
SPV.0165.03	Wall Modular Block Gravity Landscape STA 1'K'+00	SF
SPV.0165.04	Wall Modular Block Gravity Landscape STA 1'L'+00	SF
SPV.0165.05	Wall Modular Block Gravity Landscape STA 1'M'+00	SF
SPV.0165.06	Wall Modular Block Gravity Landscape STA 1'N'+00	SF
SPV.0165.07	Wall Modular Block Gravity Landscape STA 1'P'+00	SF
SPV.0165.08	Wall Modular Block Gravity Landscape STA 1'Q'+00	SF

Payment is full compensation for supplying a design and shop drawings; preparing the site, including all necessary excavation and disposal of materials; supplying all necessary wall components to produce a functional wall system including cap, copings, leveling pad, and leveling pad steps; constructing the retaining system and providing temporary drainage; providing backfill, backfilling, compacting, developing/completing/documenting the quality management program, and performing compaction testing.

The department will pay separately for railings, and other items above the wall cap or coping.

- 86. Wall Modular Block Mechanically Stabilized Earth STA 1'B'+00, Item SPV.0165.09;
Wall Modular Block Mechanically Stabilized Earth STA 1'C'+00, Item SPV.0165.10;
Wall Modular Block Mechanically Stabilized Earth STA 1'D'+00, Item SPV.0165.11;
Wall Modular Block Mechanically Stabilized Earth STA 1'E'+00, Item SPV.0165.12;
Wall Modular Block Mechanically Stabilized Earth STA 1'F'+00, Item SPV.0165.13;
Wall Modular Block Mechanically Stabilized Earth STA 1'G'+00, Item SPV.0165.14;
Wall Modular Block Mechanically Stabilized Earth STA 1'H'+00, Item SPV.0165.15.**

A Description

This special provision describes designing, furnishing materials and erecting a permanent earth retention system according to the lines, dimension, elevations and details as shown on the plans and provided in the contract. The design life of the wall and all wall components shall be 75 years minimum.

This special provision describes the quality management program (QMP) for Mechanically Stabilized Earth (MSE) walls. A quality management program is defined as all activities, including process control, inspection, sampling and testing, and necessary adjustments in the process that are related to the construction of the MSE wall, which meets all the requirements of this provision.

This special provision describes contractor quality control (QC) sampling and testing for backfill density testing, documenting those results, and documenting related production and placement process changes. This special provision also describes department quality verification (QV), independent assurance (IA), and dispute resolution.

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

B Materials

B.1 Proprietary Wall Systems

The supplied wall system must be from the department's approved list of Modular Block Mechanically Stabilized Earth Wall systems. Proprietary wall systems must conform to the requirements of this specification and be pre-approved for use by the department's Bureau of Structures. The department maintains a list of pre-approved proprietary wall systems. The name of the pre-approved proprietary wall system selected shall be furnished to the engineer within 25 days after the award of contract. The location of the plant manufacturing the facing units shall be furnished to the engineer at least 14 days prior to the project delivery.

To be eligible for use on this project, a system must have been pre-approved by the Bureau of Structures and added to that list prior to the bid closing date. To receive pre-approval, the retaining wall system must comply with all pertinent requirements of this provision and be prepared according to the requirements of Chapter 14 of the department's LRFD Bridge Manual. Information and assistance with the pre-approval process can be obtained by contacting the Bureau of Structures, Structures Maintenance Section at the following email address: DOTDLStructuresFabrication@dot.wi.gov.

B.2 Design Requirements

It is the responsibility of the contractor to submit a design and supporting documentation as required by this special provision, for review and acceptance by the department, to show the proposed wall design is in compliance with the design specifications. The submittal shall include the following items for review: detailed plans and shop drawings, complete design calculations, explanatory notes, supporting materials, and specifications. The detailed plans and shop drawings shall include all details, dimensions, quantities and cross-sections necessary to construct the walls. Submit shop drawings to the engineer conforming to [105.2](#) with electronic submittal to the fabrication library under [105.2.2](#). Certify that shop drawings conform to quality control standards by submitting department form [DT2329](#) with each set of shop drawings. Department review does not relieve the contractor from responsibility for errors or omissions on shop drawings. Submit no later than 60 days from the date of notification to proceed with the project and a minimum of 30 days prior to the date proposed to begin wall construction.

The plans and shop drawings shall be prepared on reproducible sheets 11 inch x 17 inch, including borders. Each sheet shall have a title block in the lower right corner. The title block shall include the WisDOT project identification number and structure number. Design calculations and notes shall be on 8 ½ inch x 11 inch sheets, and shall contain the project identification number, name or designation of the wall, date of preparation, initials of designer and checker, and page number at the top of the page. All plans, shop drawings, and calculations shall be signed, sealed and dated by a professional engineer licensed in the State of Wisconsin.

The design of the wall shall be in compliance with the current American Association of State Highway and Transportation Officials LRFD (AASHTO LRFD) Bridge Design Specifications with latest interim specifications for Mechanically Stabilized Earth Walls, WisDOT's current Standard Specifications for Highway and Structure Construction (standard spec), Chapter 14 of the WisDOT LRFD Bridge Manual and standard engineering design procedures as determined by the department. Loads, load combinations, load and resistance factors shall be as specified in AASHTO LRFD Section 11. The associated resistance factors shall be defined according to Table 11.5.7-1 in AASHTO LRFD.

Design and construct the walls according to the lines, grades, heights and dimensions shown on the plans, as herein specified, and as directed by the engineer.

Walls parallel to supporting highway traffic shall be designed for the effects of highway surcharge loading equivalent of 2 feet soil surcharge weight or 240 psf. The design shall also consider the traffic barrier impact where applicable. Walls that do not carry highway traffic shall be designed for a live load surcharge of 100 psf according to Chapter 14 of the WisDOT LRFD Bridge Manual or as stated on the plans.

A maximum value of the angle of internal friction of the wall backfill material used for design shall be assumed to be 30 degrees without a certified report of tests. If a certified report of tests yields an angle of internal friction greater than 30 degrees, the larger test value may be used for design, up to a maximum value of 36 degrees.

The design of the wall by the contractor shall consider the internal and compound stability of the wall mass according to AASHTO LRFD 11.10.6. The internal stability shall include soil reinforcement pullout, soil reinforcement rupture, and wall facing-reinforcement connection failure at each soil reinforcement level. The design shall be performed using the Simplified Method or Coherent Gravity Method. Calculations for factored stresses and resistances shall be based upon assumed conditions at the end of the design life. Compound stability shall be computed for the applicable strength limits. Sample analyses and hand calculations shall be submitted to verify the output of any software used. The design calculations and notes shall clearly indicate the Capacity to Demand Ratios (CDR) for all internal and external stabilities as defined in AASHTO LRFD.

Wall facing units shall be designed according to AASHTO LRFD 11.10.2.3.

The minimum length of soil reinforcement measured from the back face of the wall shall be equal to 0.7 of the wall height or as shown on the plan. In no case shall this length be less than 6.0 feet. The soil reinforcement length shall be the same from the bottom to the top of the wall. All soil reinforcement layers shall be connected to facings. The soil reinforcement shall extend a minimum of 3.0 feet beyond the theoretical failure plane in all cases. The maximum vertical spacing of soil reinforcement layers shall be two times the block width (front face to back face) or 32 inches, whichever is less. The first (bottom) layer of reinforcement shall be placed no further than 12 inches above the top of the leveling pad or the height of the block, but at least one block height above the leveling pad. The last (top) layer of soil reinforcement shall be no further than 21 inches below the top of the uppermost block.

All soil reinforcement required for the reinforced soil zone shall be connected to the wall facing.

Soil reinforcement shall be fabricated or designed to avoid piling, drainage structures or other obstacles in the fill without field modifications. Unless approved by the Bureau of Structures cutting or altering of the basic structural section of either the strip or grid at the site is prohibited, a minimum clearance of 3" shall be maintained between any obstruction and reinforcement, and splicing reinforcement is not allowed.

The minimum embedment of the wall shall be 1 foot 6 inches below finished grade, or as given on the plans. All walls shall be provided with a concrete leveling pad. Minimum wall embedment does not include the leveling pad depth. Step the leveling pad to follow the general slope of the ground line. Frost depth shall not be considered in designing the wall for depth of leveling pad.

Wall facing units shall be installed on a leveling pad.

B.3 Wall System Components

Materials furnished for wall system components under this contract shall conform to the requirements of this specification. All documentation related to material and components of the wall systems specified in this subsection shall be submitted to the engineer.

B.3.1 Wall Facing

Wall facing units shall consist of precast modular concrete blocks. Furnish concrete produced by a dry-cast or wet-cast process. Concrete for all blocks shall not contain less than 565 pounds of cementitious materials per cubic yard. The contractor may use cement conforming to standard spec. [501.2.1](#) or may substitute for portland cement at the time of batching conforming to standard spec. [501.2.6](#) for fly, [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% of the total cementitious content by weight.

Dry-cast concrete blocks shall be manufactured according to ASTM C1372 and this specification.

All units shall incorporate a mechanism or devices that develop a mechanical connection between vertical block layers. Units that are broken, have cracks wider than 0.02" and longer than 25% of the nominal height of the unit, chips larger than 1", have excessive efflorescence, or are otherwise deemed unacceptable by the engineer, shall not be used within the wall. A single block front face style shall be used throughout each wall. The color and surface texture of the block shall be as given on the plan.

The top course of facing units shall be as noted on the plans, either;

- Solid precast concrete unit designed to be compatible with the remainder of the wall. The finishing course shall be bonded to the underlying facing units with a durable, high strength, flexible adhesive compound compatible with the block material.
- A formed cast-in-place concrete cap. A cap of this type shall have texture, color, and appearance, as noted on the plans. The vertical dimension of the cap shall not be less than 3 1/2 inches. Expansion joints shall be placed in the cap at a maximum spacing of 20 feet unless noted otherwise on the plan. Use Grade A, A-FA, A-S, A-T, A-IS, A-IP or A-IT concrete conforming to standard spec 501 as modified in standard spec 716. Provide QMP for cast in place cap and coping concrete as specified in standard spec 716, Class II Concrete.

Block dimensions may vary no more than $\pm 1/8$ inch from the standard values published by the manufacturer. Blocks must have a minimum width (front face to back face) of 8 inches. The minimum front face thickness of blocks shall be 4 inches measured perpendicular from the front face to inside voids greater than 4 square inches. The minimum allowed thickness of any other portions of the block is $1\frac{3}{4}$ inches. The front face of the blocks shall conform to plan requirements for color, texture, or patterns.

If pins are used to align modular block facing units, they shall consist of a non-degrading polymer, or hot dipping galvanized steel and be made for the express use with the modular block units supplied, to develop mechanical interlock between facing unit block layers. Connecting pins shall be capable of holding the wall in the proper position during backfilling. Furnish documentation that establishes and substantiates the design life of such devices.

B.3.1.1 Material Testing

Provide independent quality verification testing of project materials according to the following requirements:

Test	Method	Requirement	
		Dry-cast	Wet-cast
Compressive Strength (psi)	ASTM C140	5000 min.	4000 min.
Air Content (%)	AASHTO T152	N/A	6.0 +/-1.5
Water Absorption (%)	ASTM C140	6 max. ^[3]	N/A
Freeze-Thaw Loss (%) 40 cycles, 5 of 5 samples 50 cycles, 4 of 5 samples	ASTM C1262 ^[1]	1.0 max. ^{[2][3]} 1.5 max. ^{[2][3]}	N/A

^[1] Test shall be run using a 3% saline solution and blocks greater than 45 days old.

^[2] Test results that meet either of the listed requirements for Freeze-Thaw Loss are acceptable.

^[3] The independent testing laboratory shall control and conduct all sampling and testing. Prior to sampling, the manufacturer's representative shall identify materials by lot. Five blocks per lot shall be randomly selected for testing. Solid blocks used as a finishing or top course shall not be selected. The selected blocks shall remain under the control of the person who conducted the sampling until shipped or delivered to the testing laboratory. All pallets of blocks within a lot shall be strapped or wrapped to secure the contents and tagged or marked for identification. The engineer will reject any pallet of blocks delivered to the project without intact security measures. At no expense to the department, the contractor shall remove all rejected blocks from the project. If a random sample of five blocks of any lot tested by the department fails to meet any of the above testing requirements, the entire lot will be considered non-conforming.

The contractor and fabricator shall coordinate with the independent testing agency to ensure that strength and air content samples can be taken appropriately during manufacturing. At the time of delivery of materials, furnish the engineer a certified report of test from an AASHTO-registered or ASTM-accredited independent testing laboratory for each lot.

The certified test report shall include the following:

- Project ID
- Production process used (dry-cast or wet-cast)
- Name and location of testing facility
- Name of sampling technician
- Lot number and lot size

Testing of project materials shall be completed not more than 18 months prior to delivery. Independent testing frequency shall not exceed 5000 blocks for dry-cast blocks and the lesser of 150 CY or 1 day's production for wet-cast blocks. The certified test results will represent all blocks within the lot. Each pallet of blocks delivered shall bear lot identification information. Block lots that do not meet the requirements of this specification or blocks without supporting certified test reports will be rejected and shall be removed from the project at no expense to the department.

Nonconforming materials will be subject to evaluation according to standard spec 106.5.

B.3.2 Leveling Pad

Provide an unreinforced cast-in-place concrete leveling pad. Use Grade A, A-FA, A-S, A-T, A-IS, A-IP, or A-IT concrete conforming to standard spec 501 as modified in standard spec 716. Provide QMP for leveling pad concrete as specified in standard spec 716, Class III Concrete.

The minimum width of the concrete leveling pad shall be as wide as the proposed blocks plus 6-inches, with 6-inches of the leveling pad extending beyond the front face of the blocks. The minimum thickness of the leveling pad shall be 6-inches.

B.3.3 Backfill

Furnish and place backfill for the wall as shown on the plans and as hereinafter provided.

Wall Backfill, Type A, shall comply with the requirements for Coarse Aggregate No. 1 as given in standard spec 501.2.5.4.4. All backfill placed within a zone from the top of the leveling pad to the top of the final layer of wall facing units and within 1 foot behind the back face of the wall shall be Wall Backfill, Type A. This includes all material used to fill openings in the wall facing units.

Wall Backfill, Type B, shall be placed in a zone extending horizontally from 1 foot behind the back face of the wall to 1 foot beyond the end of the reinforcement and extending vertically from the top of the leveling pad to a minimum of 3 inches above the final reinforcement layer.

Use natural sand or a mixture of sand with gravel, crushed gravel or crushed stone. Do not use foundry sand, bottom ash, blast furnace slag, crushed/recycled concrete, crushed/milled asphaltic concrete or other potentially corrosive material.

Provide material conforming to the following gradation requirements as per AASHTO T27.

Sieve Size	% by Weight Passing
1 inch	100
No. 40	0 - 60
No. 200	0 - 15

The material shall have a liquid limit not greater than 25, as per AASHTO T89, and a plasticity index not greater than 6, as per AASHTO T90. Provide the percent by weight, passing the #4 sieve.

In addition, backfill material Type A and Type B shall meet the following requirements.

Test	Method	Value
pH	AASHTO T-289	4.5-9.0
Sulfate content ^[1]	AASHTO T-290	200 ppm max.
Chloride content ^[1]	AASHTO T-291	100 ppm max.
Electrical Resistivity ^[1]	AASHTO T-288	3000 ohm-cm min.
Organic Content ^[1]	AASHTO T-267	1.0% max.
Angle of Internal Friction	AASHTO T-236 ^[2]	30 degrees min. (At 95.0% of maximum density and optimum moisture, per AASHTO T99, or as modified by C.2)

^[1] Requirement does not apply to walls with non-metallic reinforcement and non-metallic connectors.

^[2] If the amount of P-4 material is greater than 60%, use AASHTO 236 with a standard-size shear box. Test results of this method may allow the use of larger angles of internal friction, up to the maximum allowed by this specification.

If the amount of P-4 material is less than or equal to 60%, two options are available to determine the angle of internal friction. The first method is to perform a fractured faces count, per ASTM D5821, on the R-4 material. If more than 90% of the material is fractured on one face and more than 50% is fractured on two faces, the material meets the specifications and the angle of internal friction can be assumed to be 30 degrees. The second method allows testing all P-1" material, as per AASHTO T-236, with a large shear box. Test results of this second method may allow the use of larger angles of internal friction, up to the maximum allowed by this specification.

Prior to placement of the backfill, obtain and furnish to the engineer a certified report of test results that the backfill material complies with the requirements of this specification. Specify the method used to determine the angle of internal friction. This certified report of test shall be less than 6 months old. Tests will be performed by a certified independent laboratory. In addition, when backfill characteristics and/or sources change, provide a certified report of tests for the new backfill material. Additional certified report of tests are also required. These additional backfill tests may be completed at the time of material production or material placement, with concurrence of the engineer. If this additional testing is completed at the time of material production, complete testing for every 2000 cubic yards of backfill or portion thereof. If this additional testing is completed at the time of material placement, complete testing for every 2000 cubic yards of backfill, or portion thereof, used per wall. For the additional required testing for every 2000 cubic yards of backfill placement, if the characteristic of the backfill and/or the source has not changed then Angle of Internal Friction tests are not included in the additional required testing. All certified reports of test results shall be less than 6 months old and performed by a certified independent laboratory.

B.3.4 Soil Reinforcement

B.3.4.1 Geogrids

Geogrid supplied as reinforcing members shall be manufactured from long chain polymers limited to polypropylene, high-density polyethylene, polyaramid, and polyester. Geogrids shall form a uniform rectangular grid of bonded, formed, or fused polymer tensile strands crossing with a nominal right angle orientation. The minimum grid aperture shall be 0.5 inch. The geogrid shall maintain dimension stability during handling, placing, and installation. The geogrid shall be insect, rodent, mildew, and rot resistant. The geogrid shall be furnished in a protective wrapping that shall prevent exposure to ultraviolet radiation and damage from shipping or handling. The geogrid shall be kept dry until installed. Each roll shall be clearly marked to identify the material contained.

The wall supplier shall provide the nominal long-term design strength (T_{al}) and nominal long-term connection strength, T_{ac} as discussed below.

Nominal Long-Term Design Strength (T_{al})

The wall supplier shall supply the nominal long-term design strength (T_{al}) used in the design for each reinforcement layer and shall be determined by dividing the Ultimate Tensile Strength (T_{ult}) by the factors RF_{ID} , RF_{CR} , RF_D .

Hence,

$$T_{al} = \frac{T_{ult}}{RF_{ID} \times RF_{CR} \times RF_D}$$

where:

- T_{ult} = Ultimate tensile strength of the reinforcement determined from wide width tensile tests (ASTM D6637) for geogrids based on the minimum average roll value (MARV) for the product.
- RF_{ID} = Strength reduction factor to account for installation damage to the reinforcement. In no case shall RF_{ID} be less than 1.1.
- RF_{CR} = Strength reduction factor to prevent long-term creep rupture of the reinforcement. In no case shall RF_{CR} be less than 1.2.
- RF_D = Strength reduction factor to prevent rupture of the reinforcement due to chemical and biological degradation. In no case shall RF_D be less than 1.1.

Values for RF_{ID} , RF_{CR} , and RF_D shall be determined from product specific test results. Guidelines for determining RF_{ID} , RF_{CR} , and RF_D from product specific data are provided in FHWA Publication No. FHWA-NHI-10-024 and FHWA-NHI-10-025 “Design and Construction of Mechanically Stabilized Earth Walls and Reinforced Soil Slopes”.

Nominal Long-term Connection Strength T_{ac}

The nominal long term connection strength, T_{ac} , shall be based on laboratory geogrid connection tests between wall facing and geogrids. T_{ac} shall be as given below

$$T_{ac} = \frac{T_{ult} * CR_{cr}}{RF_D}$$

where:

- T_{ac} = Nominal long-term reinforcement facing connection strength per unit reinforcement width at a specified confining pressure.
- T_{ult} = Ultimate tensile strength of the reinforcement for geogrids defined as the minimum average roll value (MARV) for the product.
- CR_{cr} = Long term connection strength reduction factor to account for reduced ultimate strength resulting from connection.
- RF_D = Strength reduction factor to prevent rupture of the reinforcement due to chemical and biological degradation.

T_{ac} shall be developed from the tests conducted by an independent laboratory on the same facing blocks and geogrids as proposed for the wall and shall cover a range of overburden pressures comparable to those anticipated in the proposed wall. The connection strength reduction factor CR_{cr} shall be determined according to long-term connection test as described in Appendix B of FHWA Publication No. FHWA-NHI 10-025 “Design and Construction of Mechanically Stabilized Earth Walls and Reinforced Soil Slopes”. CR_{cr} may also be obtained from the short term connection test meeting the requirements of NCMA test method SRWU-1 in Simac et al 1993 or ASTM D4884.

The contractor shall provide a manufacturer’s certificate that the T_{ult} (MARV) of the supplied geogrid has been determined according to ASTM D4595 or ASTM D6637 as appropriate. Contractor shall also provide block to block and block to reinforcement connection test reports prepared and certified by an independent laboratory. Also provide calculations according to AASHTO LRFD, and using the results of

laboratory tests, that the block-geogrid connections shall be capable of resisting 100% of the maximum tension load in the soil reinforcements at any level within the wall, for the design life of the wall system.

B.3.4.2 Galvanized Metal Reinforcement

In lieu of polymeric geogrid earth reinforcement, galvanized metal reinforcement may be used. Design and materials shall be according to AASHTO LRFD 11.10.6.4.2. The design life of steel soil reinforcements shall also comply with AASHTO LRFD. Steel soil reinforcement shall be prefabricated into single or multiple elements before galvanizing.

C Construction

C.1 Excavation and Backfill

Excavation and preparation of the foundation for the MSE wall and the leveling pad shall be according to standard spec 206. The volume of excavation covered is limited to the width of the reinforced mass and to the depth of the leveling pad unless shown or noted otherwise on the plan. At the end of each working day, provide good temporary drainage such that the backfill shall not become contaminated with run-off soil or water if it should rain. Do not stockpile or store materials or large equipment within 10 feet of the back of the wall.

Place backfill materials in the areas as indicated on the plans and as detailed in this specification. Backfill lifts shall be no more than 8-inches in depth, after compaction. Backfilling shall closely follow erection of each course of wall facing units.

Conduct backfilling operations in such a manner as to prevent damage or misalignment of the wall facing units, soil reinforcement, or other wall components. At no expense to the department, correct any such damage or misalignment as directed by the engineer. A field representative of the wall supplier shall be available during wall construction to provide technical assistance to the contractor and the engineer.

Place and compact the MSE backfill to the level of the next higher layer of MSE reinforcement before placing the MSE reinforcement or connecting it to the wall facing. Place and compact material beyond the reinforced soil zone to allow for proper compaction of material within the reinforced zone. The MSE reinforcement shall lay horizontally on top of the most recently placed and compacted layer of MSE backfill.

Do not operate tracked or wheeled equipment on the backfill within 3 feet from the back face of modular blocks. The engineer may order the removal of any large or heavy equipment that may cause damage or misalignment of the wall facing units.

C.2 Compaction

Compact wall backfill Type A with at least three passes of lightweight manually operated compaction equipment acceptable to the engineer.

Compact all backfill Type B as specified in standard spec 207.3.6. Compact the backfill Type B to 95.0% of maximum dry density as determined by AASHTO T-99 (modified to compute densities to the nearest 0.1 pcf).

Ensure adequate moisture is present in the backfill during placement and compaction to prevent segregation and to help achieve compaction.

Compaction of backfill within 3 feet of the back face of the wall should be accomplished using lightweight compaction devices. Use of heavy compaction equipment or vehicles should be avoided within 3 feet of the modular blocks. Do not use sheepfoot or padfoot rollers within the reinforced soil zone.

A minimum of 6 inches of backfill shall be placed over the MSE reinforcement prior to working above the reinforcement.

C.3 Wall Components

C.3.1 General

Erect wall facing units and other associated elements according to the wall manufacturer's construction guide and to the lines, elevations, batter, and tolerances as shown on the plans. Center the initial layer of facing units on the leveling pad; then level them and properly align them. Fill formed voids or openings in the facing units with wall backfill, Type A. Remove all debris on the top of each layer of facing units, before placing the next layer of facing units.

Install all pins, rods, clips, or other devices used to develop mechanical interlock between facing unit layers according to the manufacturer's directions.

The MSE reinforcement shall lay horizontally on the top of the most recently placed and compacted layer of MSE backfill. Bending of MSE reinforcement that result in a kink in the reinforcement shall not be allowed. If skewing of the reinforcement is required due to obstructions in the reinforced fill, the maximum skew angle shall not exceed 15 degrees from the normal position unless a greater angle is shown on the plans. The adequacy of the skewed reinforcement in such a case shall be addressed by supporting calculations.

C.3.2 Leveling Pad

Provide an unreinforced cast-in-place concrete leveling pad as shown on the plans. Vertical tolerances shall not exceed 3/4-inch when measured along a 10-foot straight edge. Allow the concrete to set at least 12 hours prior to placing wall facing units.

The bottom row of wall facing units shall be horizontal and 100% of the unit surface shall bear on the leveling pad.

C.3.3 Soil Reinforcement

C.3.3.1 Geogrid Layers

Place soil reinforcement at the positions and to the lengths as indicated on the accepted shop drawings. Take care that backfill placement over the positioned soil reinforcement elements does not cause damage or misalignment of these elements. Correct any such damage or misalignment as directed by the engineer. Do not operate wheeled or tracked equipment directly on the soil reinforcement. A minimum cover of 6 inches is required before such operation is allowed.

Place and anchor geogrid material between wall unit layers in the same manner as used to determine the Geogrid Block-to-Connection Strength. Place the grid material so that the machine direction of the grid is perpendicular to the wall face. Each grid layer shall be continuous throughout the lengths indicated on the plans. Join grid strips with straps, rings, hooks or other mechanical devices to prevent movement during backfilling operations. Prior to placing backfill on the grid, pull the grid taut and hold in position with pins, stakes or other methods approved by the engineer.

C.3.3.2 Steel Layers

Place the steel reinforcement full width in one piece as shown on the plans. No splicing will be allowed. Maintain elements in position during backfilling.

C.4 Quality Management Program

C.4.1 Quality Control Plan

Submit a comprehensive written quality control plan to the engineer at or before the pre-construction meeting. Do not perform MSE wall construction work before the engineer reviews and accepts the plan. Construct the project as the plan provides.

Do not change the quality control plan without the engineer's review and acceptance. Update the plan with changes as they become effective. Provide a current copy of the plan to the engineer and post in the contractor's laboratory as changes are adopted. Ensure that the plan provides the following elements:

1. An organizational chart with names, telephone numbers, current certifications and/or titles, and roles and responsibilities of QC personnel.
2. The process used to disseminate QC information and corrective action efforts to the appropriate persons. Include a list of recipients, the communication process that will be used, and action time frames.
3. A list of source locations, section and quarter descriptions, for all aggregate materials requiring QC testing.
4. Descriptions of stockpiling and hauling methods.
5. An outline for resolving a process control problem. Include responsible personnel, required documentation, and appropriate communication steps.
6. Location of the QC laboratory, retained sample storage, and other documentation.
7. A summary of the locations and calculated quantities to be tested under this provision.
8. A proposed sequencing plan of wall construction operations and random test locations.

C.4.2 Quality Control Personnel

Perform the quality control sampling, testing, and documentation required under this provision using HTCP certified technicians. Have a HTCP Grading Technician I (GRADINGTEC-I); or Assistant Certified Technician, Grading (ACT-GRADING); or Aggregate Technician I (AGGTEC-I); or Assistant Certified Technician, Aggregate (ACT-AGG) present at each grading site during all wall backfill placement, compaction, and nuclear testing activities. Have a HTCP Nuclear Density Technician I (NUCDENSITYTEC-I) or Assistant Certified Technician, Nuclear Density Gauge Operator (ACT-NUC) perform field density and field moisture content testing.

If an Assistant Certified Technician (ACT) is performing sampling or testing, a certified technician must coordinate and take responsibility for the work an ACT performs. Have a certified technician Ensure that all sampling and testing is performed correctly, analyze test results, and post resulting data. No more than one ACT can work under a single certified technician.

C.4.3 Equipment

Furnish the necessary equipment and supplies for performing quality control testing. Ensure that all testing equipment conforms to the equipment specifications applicable to the required testing methods. The engineer may inspect the measuring and testing devices to confirm both calibration and condition. Calibrate all testing equipment according to the CMM and maintain a calibration record at the laboratory.

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>

Ensure that the nuclear gauge manufacturer or an approved calibration service calibrates the gauge the same calendar year it is used on the project. Retain a copy of the calibration certificate with the gauge.

Conform to AASHTO T310 and CMM 8-15 for density testing and gauge monitoring methods.

Split each Proctor sample and identify so as to provide comparison with the department's test results. Unless the engineer directs otherwise, retain the QC split samples for 14 calendar days and promptly deliver the department's split samples to the department.

C.4.4 Documentation

- (1) Document all observations, inspection records, and process adjustments daily. Submit test results to the department's project materials coordinator on the same day they become available.
- (2) Use forms provided in CMM Chapter 8. Note other information in a permanent field record and as a part of process control documentation enumerated in the contractor's quality control plan. Enter QC data and backfill material certified report results into the applicable materials reporting system (MRS) software within 5 business days after results are available.
- (3) Submit final testing records and other documentation to the engineer electronically within 10 business days after all contract-required information becomes available. The engineer may allow submission of scanned copies of hand-written documentation.

C.4.5 Quality Control (QC) Testing

Perform compaction testing on the backfill. Conform to CMM 8-15 for testing and gauge monitoring methods. Conduct testing at a minimum frequency of 1 test per 150 cubic yards of backfill, or major portion thereof in each lift. A minimum of one test for every lift is required. Deliver documentation of all compaction testing results to the engineer at the time of testing.

Perform 1 gradation test every 750 cubic yards of fill and one 5-point Proctor test (or as modified in C.2) every 2,250 cubic yards of fill. Provide the region split samples of both within 72 hours of sampling, at the region laboratory. Test sites shall be selected using ASTM Method D3665. Provide Proctor test results to the engineer within 48 hours of sampling. Provide gradation test results to the engineer within 24 hours of sampling.

C.4.6 Department Testing

C.4.6.1 General

- (1) The department will conduct verification testing to validate the quality of the product and independent assurance testing to evaluate the sampling and testing. The department will provide the contractor with a listing of names and telephone numbers of all QV and IA personnel for the project, and provide test results to the contractor within 2 business days after the department obtains the sample.

C.4.6.2 Quality Verification (QV) Testing

- (1) The department will have an HTCP technician, or ACT working under a certified technician, perform QV sampling and testing. Department verification testing personnel must meet the same certification level requirements specified in C.4.2 for contractor testing personnel for each test result being verified. The department will notify the contractor before sampling so the contractor can observe QV sampling.
- (2) The department will conduct QV tests at the minimum frequency of 30% of the required contractor density, Proctor and gradation tests.
- (3) The department will locate density tests and gradation samples randomly, at locations independent of the contractor's QC work. The department will split each Proctor and gradation QV sample, testing half for QV, and retaining the remaining half for 10 business days.
- (4) The department will conduct QV Proctor and gradation tests in a separate laboratory and with separate equipment from the contractor's QC tests. The department will use the same methods specified for QC testing.
- (5) The department will assess QV results by comparing to the appropriate specification limits. If QV test results conform to this special provision, the department will take no further action. If density QV test results are nonconforming, the area shall be reworked until the density requirements of this special provision are met. If the gradation test results are nonconforming, standard spec 106.5 will apply. Differing QC and QV nuclear density values of more than 1.5 pcf will be investigated and resolved. QV density tests will be based on the appropriate QC Proctor test results, unless the QV and QC Proctor result difference is greater than 3.0 pcf. Differing QC and QV Proctor values of more than 3.0 pcf will be investigated and resolved.

C.4.6.3 Independent Assurance (IA)

- (1) Independent assurance is unbiased testing the department performs to evaluate the department's QV and the contractor's QC sampling and testing, including personnel qualifications, procedures, and equipment. The department will perform an IA review according to the department's independent assurance program. That review may include one or more of the following:
 1. Split sample testing.
 2. Proficiency sample testing.
 3. Witnessing sampling and testing.
 4. Test equipment calibration checks.
 5. Reviewing required worksheets and control charts.
 6. Requesting that testing personnel perform additional sampling and testing.
- (2) If the department identifies a deficiency, and after further investigation confirms it, correct that deficiency. If the contractor does not correct or fails to cooperate in resolving identified deficiencies, the engineer may suspend placement until action is taken. Resolve disputes as specified in C.4.6.4.

C.4.6.4 Dispute Resolution

- (1) The engineer and contractor should make every effort to avoid conflict. If a dispute between some aspect of the contractor's and the engineer's testing program does occur, seek a solution mutually agreeable to the project personnel. The department and contractor may review the data, examine data reduction and analysis methods, evaluate sampling and testing procedures, and perform additional testing. Use ASTM E178 to evaluate potential statistically outlying data.
- (2) Production test results, and results from other process control testing, may be considered when resolving a dispute.
- (3) If the project personnel cannot resolve a dispute, and the dispute affects payment or could result in incorporating non-conforming product or work, the department will use third party testing to resolve the dispute. The department's central office laboratory, or a mutually agreed on independent testing laboratory, will provide this testing. The engineer and contractor will abide by the results of the third party tests. The party in error will pay service charges incurred for testing by an independent laboratory. The department may use third party test results to evaluate the quality of questionable materials and determine the appropriate payment. The department may reject material or otherwise determine the final disposition of nonconforming material as specified in standard spec 106.5.

D Measurement

The department will measure Wall Modular Block Mechanically Stabilized Earth by the square foot, acceptably completed. The department will compute the measured quantity from the theoretical pay limits the contract plans show. The department will make no allowance for wall area constructed above or below the theoretical pay limits. All work beyond the theoretical pay limits is incidental to the cost of work. The department will make no allowance for as-built quantities.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.09	Wall Modular Block Mechanically Stabilized Earth STA 1'B'+00	SF
SPV.0165.10	Wall Modular Block Mechanically Stabilized Earth STA 1'C'+00	SF
SPV.0165.11	Wall Modular Block Mechanically Stabilized Earth STA 1'D'+00	SF
SPV.0165.12	Wall Modular Block Mechanically Stabilized Earth STA 1'E'+00	SF
SPV.0165.13	Wall Modular Block Mechanically Stabilized Earth STA 1'F'+00	SF
SPV.0165.14	Wall Modular Block Mechanically Stabilized Earth STA 1'G'+00	SF
SPV.0165.15	Wall Modular Block Mechanically Stabilized Earth STA 1'H'+00	SF

Payment is full compensation for supplying a design and shop drawings; preparing the site, including all necessary excavation and disposal of materials; supplying all necessary wall components to produce a functional wall system including cap, copings, leveling pad, and leveling pad steps; constructing the retaining system and providing temporary drainage; providing backfill, backfilling, compacting, developing/completing/documenting the quality management program, and performing compaction testing.

The department will pay separately for parapets, traffic barriers, railings, and other items above the wall cap or coping.

87. Concrete Median, Item SPV.0165.16.

A Description

This special provision describes constructing concrete median according to the standard specifications and as the plans show.

B Materials

Furnish materials according to standard spec 602.2.

C Construction

Construct concrete median according to the requirements for sidewalks in standard spec 602.3.

D Measurement

The department will measure Concrete Median 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.0165.16	Concrete Median	SF

Payment is full compensation for providing materials, including concrete, expansion joints; for placing, finishing, protecting, and curing; for sawing joints; and for restoring the site.

**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 5 (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.

I. 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.*

II. 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 under-representation 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 shall submit Form DT1506 (Commitment to Subcontract to DBE), and signed Attachments A. If the assigned DBE contract goal is not met, Form DT1202 (Documentation of Good Faith Effort) is due at time of bid. Supplemental DT1202 documentation is due within 24-hours of bid closing, submitted to the DBE Alert email box. 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 shall utilize the specific DBE firms listed on the approved Form, DT1506, to perform the work and/or supply the materials for which the DBE firm is listed unless the contractor obtains written consent from WisDOT. The contractor shall not be entitled to payment for any work or materials on the approved DT1506 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 and Construction 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 WisDOT'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- 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.
- e. **DBE Utilization:** The actual participation of a DBE subcontractor on a project. WisDOT verifies DBE utilization through review of Form DT1506, 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 Form DT1506, 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 shall not be separated.

2. WisDOT DBE Program Compliance

a. Documentation Submittal

The Commitment to Subcontract to DBE (Form DT1506) and signed Attachments A shall be submitted at bid by ALL prime contractors. If the assigned DBE contract goal is not met, Documentation of Good Faith Effort (Form DT1202) is due at time of bid. Supplemental DT1202 documentation is due within 24-hours of bid closing, submitted to the DBE Alert email box.

Naming conventions: When emailing files, please use the following language to identify your submission-
"Project #, Proposal #, Let date, Business Name, GFE" 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 Form DT1506, 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 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 Form DT1506 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) at the time of bid including narrative description. Supplementary documentation of good faith effort that supports the DT1202 submission is 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 to the DBE Office by email at: DBE_Alert@dot.wi.gov or by postal mail - ATTN: DBE Office, PO Box 7986, Madison, WI 53707-7986. 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 request alternative Good Faith Effort Evaluation using form DT1202- Documentation of Good Faith Effort. Supplementary documentation of good faith effort that supports the DT1202 submission is 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: When emailing files, please 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 Form DT1506. No contractor, prime or subsequent tier, shall be paid for completing work assigned to a DBE subcontractor on an approved DT1506 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 Form DT1506 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 shall 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 shall 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.

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 form DT1506 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:
 - 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 DT1506 *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 D below)

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 DT1506 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.
4. 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.
5. 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.
6. 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 shall advise the Prime Contractor and suggest a DBE subcontractor that may replace their services and provide written consent to be released from its subcontract.

(a) Before the Prime Contractor can request modification to the approved DT1506, the Prime Contractor must:

- i. 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.
- ii. 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.
- iii. 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.
- iv. 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.

- v. 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.

B. 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

C. Evaluation and Response to the Request

WisDOT's timely response to the Prime Contractor's request for modification of the approved DBE subcontracting 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 Form DT1506 is the DBE Program Engineer who can be reached at DBE_Alert@dot.wi.gov or (608) 264-9528.

D. DBE Utilization beyond the approved DBE Commitment (Form DT1506)

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 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:

- a. 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 DT1506 based on the email/discussion and the new Attachment A.
- b. When adding to an existing DBE commitment, submit a new Attachment A to the DBE Alert mailbox
- c. 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 Form DT1506 or when 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: _____
 Fax: _____
 Email: _____

Phone: _____
 Fax: _____
 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
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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 414-438-4588.

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

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
- Documented efforts must receive 55 points or more to qualify for Phase 2 GFE evaluation
 - 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

DBE Office completes:

- Review of quote comparisons submitted by Prime
- Bid analysis to confirm is any bid submitted met the DBE goal
- Team review of combined efforts documented in Phase 1 and 2 by apparent low bidder

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		Wisconsin Department of Transportation
DT1506 6/2020 s.84.06(2) Wis. Stats.	Project(s):	
Prime Contractor:	Letting Date:	
County:	Total Value of Prime Contract:	
This contract requires that a specified percentage of the work be subcontracted to a disadvantaged business enterprise and that this information be submitted as described in ASP-3. Completion of the following information indicates your intent in the fulfillment of these contract requirements.	DBE Contract Goal %:	
	DBE Contract Goal \$:	\$ -
	Goal met	

This form must be completed and returned for THIS contract. See reverse side for instructions.

A	V	NAME OF DBE SUBCONTRACTOR	TYPE OF WORK	SUBCONTRACT \$ VALUE	Government Use Only Adjusted Amounts
		SUBTOTAL DBE \$ VALUE	A (\$) \$ -	TOTAL %	#DIV/0!
			V (\$) \$ -	TOTAL %	#DIV/0!

A	V	NAME OF DBE SUPPLIER AND/OR MANUFACTURER (see #3 on Instructions)	TYPE OF MATERIAL	SUBCONTRACT \$ VALUE	Government Use Only Adjusted Amounts
		SUBTOTAL DBE \$ VALUE	A (\$) \$ -	TOTAL %	#DIV/0!
			V (\$) \$ -	TOTAL %	#DIV/0!

A	V	NAME OF DBE TRUCKING FIRM	MATERIAL HAULED	EST. # OF TON/C.Y.	EST. # OF TRUCKS REQ'D	\$ VALUE	Government Use Only Adjusted Amounts
					O= L=		
					O= L=		
					O= L=		
					O= L=		
		SUBTOTAL DBE \$ VALUE	A (\$) \$ -	TOTAL %	#DIV/0!		
			V (\$) \$ -	TOTAL %	#DIV/0!		
		GRAND TOTAL DBE \$ VALUE	A (\$) \$ -	TOTAL %	#DIV/0!		
			V (\$) \$ -	TOTAL %	#DIV/0!		
			T = \$ -	TOTAL %	#DIV/0!		

I certify that arrangements have been made for the foregoing work with the listed DBE Contractors. I further understand that any willful falsification, fraudulent statement or misrepresentation will result in appropriate sanctions, which may include debarment and/or prosecution under applicable State (Trans 504) and Federal laws.

O = Owned Trucks Used on Project L = Leased Trucks Used on Project	Government Use Only Approved Amounts		X	
	A \$	%		(Authorized Agent)
	V \$	%		Date
A = Assigned (DBE Conscious) V = Voluntary (DBE Neutral)	Total \$	%		Preferred submission method: DBE_Alert@dot.wi.gov
	Signature:			Or:
	Date:			Mail to: Wisconsin Department of Transportation
	DBE goal waiver granted: Yes	No		DBE Programs Office, 5th Floor PO Box 7986 Madison, WI 53707-7986
Proposal Number :				

Instructions For Completing Commitment To Subcontract To DBE Form:

- 1 In accordance with the DBE Regulations (49 CFR part 26), WisDOT is tracking Assigned Goals for DBE's (DBE Conscious) and Voluntary Usage of DBE Firms (DBE Neutral). DBE participation reported on this form will be used to periodically adjust (DBE Conscious and DBE Neutral) components of WisDOT's overall annual DBE goal.
- 2 For each DBE firm listed on this form, place an "x" in the appropriate column to indicate whether it will be used to meet the Assigned Goal (A) and/or whether it is used on a Voluntary basis (V). Any achievement above assigned goals should be reported as a voluntary achievement. If you indicate that a firm will be used to meet both assigned and voluntary goals, indicate the dollar amount attributable to assigned goals and the amount attributable to the voluntary goal. Our objective is to capture all DBE achievement you generate. The following is an example:
 - a. The total contract amount is \$100,000 and the DBE goal is 10% or \$10,000 in DBE participation
 - b. If \$10,000 is the subcontract dollar value to ADBE Landscaping Co. then \$10,000 would be Assigned (DBE Conscious) and you would place an "x" in the "A" column
 - c. If \$15,000 is the subcontract dollar value to ADBE Landscaping Co. then \$10,000 would be Assigned (DBE Conscious) and you would place an "x" in the "A" column and ADBE Landscaping Co. would be listed on the next line for \$5,000 which would be Voluntary (DBE Neutral) and an "x" would be placed in the "V" column
- 3 The department will give full credit toward the DBE goal if the DBE is a manufacturer of their materials or supplies. The department will give 60 percent credit or brokerage fee set by industry's standard toward the DBE goal if the DBE is merely a supplier of these materials or supplies. Drop shipment by a supplier will earn a 10 percent DBE credit. It is the Prime Contractor's responsibility to use the Bidder's List or UCP Directory to find out if the DBE is considered a supplier or a manufacturer before listing them on Commitment to Subcontract to DBE form. WisDOT will apply the appropriate credit when approving the form.
- 4 After completing the form, if it does not indicate that the DBE goal has been met or exceeded, please complete and supply the necessary documentation on the Documentation of Good Faith Effort form (DT1202)

Instructions For Completing Attachment A Form:

- 5 Section 26.53 (49 CFR part 26) requires written confirmation of participation from each DBE firm to be used on the contract. Please submit one copy of a completed Attachment A, Confirmation of Participation form, for each DBE firm to be used on this contract. Each form must be signed by the Prime Contractor, the hiring contractor (if applicable) and the DBE Firm specified on the form.
- 6 DBE crediting for the trucking industry is achieved in the following manner:
 - a. A minimum of one truck owned by the DBE must be used on the contract.
 - b. Full DBE credit is given for owned trucks and trucks leased from another DBE.
 - c. Trucks leased from non-DBE firms will be given DBE credit of 10% of the subcontract value.
 - d. All trucks used for credit must be listed and approved on the DBE firm's Schedule of Owned/Leased Vehicles for DBE Credit and/or a WisDOT approved trucking utilization plan.

It is the Prime Contractor's and the DBE firm's responsibility to ensure that utilization of trucks and the DBE credit earned is in accordance with the above and will yield the subcontract dollar value listed on the Commitment to Subcontract to DBE form.

Please submit documents to: DBE_Alert@dot.wi.gov

Identify Project#, Proposal#, Let date, Business Name, DT1506 and/or Attachment A in the **email subject line**.

If you have questions about filling out these forms, please contact the Civil Rights and Compliance Office at (608) 266-0503.

CONFIRMATION OF PARTICIPATION			
Project I.D.:		Proposal Number:	
Letting Date:		Total \$ Value of Prime Contract:	
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:			
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.		Participating DBE Firm Representative's Signature	
		Participating DBE Firm Representative's Name (Print Name)	
		Participating DBE Firm (Print Company Name)	
		Date	
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 and material hauled as listed below.			
# Owned Trucks	# Leased Trucks	# Estimated Tons/C.Y.	Material(s) Hauled

Official Form DT1506 can be found here: www.wisconsin.gov/DBEcontracting



DOCUMENTATION OF GOOD FAITH EFFORT
 Wisconsin Department of Transportation
 DT1202 3/2020

Project ID XXXX	Proposal No. XXXX	Letting XXXX
Prime Contractor XXXX	County XXXX	
Person Submitting Document XXXX	Telephone Number XXXX	
Address XXXX	Email Address XXXX	

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

Payment to First-Tier Subcontractors

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

The prime contractor may also withhold routine retainage from payments due subcontractors.

Payment to Lower-Tier Subcontractors

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

Release of Routine Retainage

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

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

Within 30 calendar days of receiving the semi-final estimate from the department, submit written certification that subcontractors at all tiers are paid in full for acceptably completed work and that no routine retainage is being withheld. The department will pay the prime contractor in full and reduce the routine retainage withheld from the prime contractor to zero when the department approves the final estimate.

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

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

Make the following revisions to the standard specifications:

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 PROPOSAL

REQUIRED 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.

102.7.2 Department May Reject

Replace paragraph one with the following effective with the October 2020 letting:

- (1) Proposals are irregular and the department may reject them for one or more of the following reasons:
 1. The proposal contains unauthorized alterations of format, words, or figures.
 2. The schedule of items contains errors, alterations, or omissions in, bid item numbers, quantities, descriptions, or units of measure, that cannot be corrected as specified in 102.7.1.
 3. The proposal is not prepared as specified in 102.6.
 4. There are unauthorized alterations, additions, conditional or alternate bids, amendments, attachments, or irregularities that may tend to make the proposal incomplete, indefinite, or ambiguous as to its meaning.
 5. There are unauthorized erasures or alterations appearing on the designation of the party to whom the department issued the bidding proposal.
 6. The award of the bid, together with the value of the bidder's uncompleted contract work, exceeds the bidder's established ratings, as determined in 102.1, at the time set for awarding the work.
 7. A single entity, under the same or different names, or affiliated entities submit more than one proposal for the same work. The submitting entity may be an individual, partnership, joint venture, corporation, or limited liability company.
 8. 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-bus/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.

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.

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:

- (3) For steel pipe sections and steel pile shells for cast-in-place concrete piles, use ASTM A252 grade 3 steel.

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.

710.5.6 Aggregate Testing

Replace the entire text with the following effective with the November 2020 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 submitted in the contractor's quality control plan. Determine the complete gradation using a washed analysis for both fine and coarse aggregates. Report results for the 1/2", 1", 3/4", 1/2", 3/8", #4, #8, #16, #30, #50, #100, and #200 sieves.

- (3) 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

- (4) 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

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

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: WI20200010 09/18/2020

Superseded General Decision Number: WI20190010

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 \$10.80 for calendar year 2020 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 \$10.80 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 2020. 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	01/03/2020
1	01/24/2020
2	02/28/2020
3	03/06/2020
4	06/05/2020
5	06/12/2020
6	06/19/2020
7	07/17/2020
8	08/28/2020

9 09/11/2020
10 09/18/2020

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND
VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

BRWI0002-005 06/01/2019

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...	\$ 35.51	23.37

BRWI0003-002 06/03/2019

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

Rates	Fringes
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BRICKLAYER.....\$ 38.43 25.10

BRWI0006-002 06/01/2019

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.06 23.02

BRWI0007-002 06/03/2019

GREEN, LAFAYETTE, AND ROCK COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.57 24.22

BRWI0008-002 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

BRICKLAYER.....\$ 38.93 24.22

BRWI0011-002 06/03/2019

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

Rates Fringes

BRICKLAYER.....\$ 34.18 23.90

BRWI0019-002 06/03/2019

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

Rates Fringes

BRICKLAYER.....\$ 33.40 24.68

BRWI0034-002 06/03/2019

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

 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, TREMPPEALEAU, 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
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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 06/03/2019

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE (Wausaukee 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
Electricians:.....	\$ 33.52	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	70.69%

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 06/01/2020		

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 41.86	22.66

ELEC0494-005 06/01/2020		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 42.84	25.54

ELEC0494-006 06/01/2020		

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 36.32	22.51

 ELEC0494-013 06/07/2020

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.....	\$ 21.46	18.52
Technician.....	\$ 31.34	20.00

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 06/01/2019

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:.....	\$ 33.15	28.50%+10.00

 ELEC0890-003 06/01/2020

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,
 RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.41	25.95%+11.11

 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.

GROUP 6: Off-road material hauler with or without ejector.

IRON0008-002 06/01/2020

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 37.31	27.62

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2020

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 39.11	27.87

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2020

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.....	\$ 37.10	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 06/03/2019		

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
 PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	29.40

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, TREMPEALEAU, 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
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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 06/01/2020

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 31.07	22.94
3 or more Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....	\$ 31.22	22.94

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"

"General Decision Number: WI20200008 09/18/2020

Superseded General Decision Number: WI20190008

State: Wisconsin

Construction Types: Heavy (Sewer and Water Line and Tunnel)

Counties: Wisconsin Statewide.

TUNNEL, SEWER & WATER LINE CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 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 \$10.80 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 2020. 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	01/03/2020
1	01/24/2020
2	02/28/2020
3	03/06/2020
4	06/05/2020
5	06/12/2020
6	06/19/2020
7	07/17/2020
8	07/24/2020
9	08/28/2020

10 09/11/2020
11 09/18/2020

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND
VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

BRWI0002-005 06/01/2019

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...	\$ 35.51	23.37

BRWI0003-002 06/03/2019

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

Rates	Fringes
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BRICKLAYER.....\$ 38.43 25.10

BRWI0006-002 06/01/2019

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.06 23.02

BRWI0007-002 06/03/2019

GREEN, LAFAYETTE, AND ROCK COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.57 24.22

BRWI0008-002 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

BRICKLAYER.....\$ 38.93 24.22

BRWI0009-001 06/03/2019

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,
AND WINNEBAGO COUNTIES

Rates Fringes

BRICKLAYER.....\$ 34.18 23.90

BRWI0011-002 06/03/2019

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

Rates Fringes

BRICKLAYER.....\$ 34.18 23.90

BRWI0013-002 06/03/2019

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

BRWI0019-002 06/03/2019		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

BRWI0021-002 06/03/2019		

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.75	24.02

BRWI0034-002 06/03/2019		

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

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
PILEDRIIVER.....	\$ 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

 CARP2337-003 06/01/2019

	Rates	Fringes
MILLWRIGHT		
Zone A.....	\$ 33.58	21.53
Zone B.....	\$ 33.58	21.53

ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

 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

 ELEC0127-002 06/01/2020

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 41.62	30%+12.70

 ELEC0158-002 06/03/2019

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig),
 MARINETTE(Wausaukee 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
Electricians:.....	\$ 33.52	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	70.69%

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 06/01/2020		

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 41.86	22.66

ELEC0494-005 06/01/2020		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 42.84	25.54

ELEC0494-006 06/01/2020		

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 36.32	22.51

ELEC0577-003 06/01/2019		

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:.....	\$ 33.15	28.50%+10.00

ELEC0890-003 06/01/2020		

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.41	25.95%+11.11

ENGI0139-003 06/01/2020		

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 42.92	23.15
Group 2.....	\$ 41.67	23.15
Group 3.....	\$ 39.97	23.15
Group 4.....	\$ 39.44	23.15
Group 5.....	\$ 37.37	23.15
Group 6.....	\$ 35.84	23.15

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; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,000 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling

Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweepers; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without attachments; Power Pack Vibratory/Ultra Sound Driver and Extractor; Fireman (Asphalt Plants); Screed Operator; Stone Crushers and Screening Plants; Air, Electric, Hydraulic Jacks (Slip Form); Prestress Machines; Air Compressor, 400 CFM or over; Refrigeration Plant/Freeze Machine; Boiler Operators (temporary heat); Forklifts; Welding Machines; Generators; Pumps over 3"; Heaters, Mechanical; Combination small equipment operator; Winches, small electric; Oiler; Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

 ENGI0139-007 06/01/2020

DODGE, FOND DU LAC, JEFFERSON, KENOSHA, MILWAUKEE, OZAUKEE, RACINE, SHEBOYGAN, WALWORTH, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.64	23.25
Group 2.....	\$ 40.86	23.25

Group 3.....	\$ 39.91	23.25
Group 4.....	\$ 38.86	23.25
Group 5.....	\$ 37.46	23.25

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; Backhoes (Excavators) 130,000 lbs and over; Caisson Rigs and Pile Drivers

GROUP 2: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or under; or Cranes, Tower Cranes, and Derricks with boom, lead, and/or jib lengths measuring 175 feet or under; Backhoes (Excavators) under 130,000 lbs; Skid Rigs; Dredge Operator: Traveling Crane (Bridge type); Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Pumps and Boring Machines (directional)

GROUP 3: Material Hoists; Stack Hoists; Tractor or Truck mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane, 5 tons or under; Manhoist; Tractor over 40 hp; Bulldozer over 40 hp; Endloader over 40 hp; Forklift, 25 ft and over; Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Mechanic and Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Percussion Drill Operator; Rotary Drill Operator; Blaster; Air Track Drill; Trencher (wheel type or chain type having over 8 inch bucket); Elevator; Milling Machine and Boring Machine (horizontal or vertical); Backhoe Mounted Compactor

GROUP 4: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machine (road type); Roller, Rubber Tire; Concrete Batch Hopper; Concrete Conveyor System; Concrete Mixers (14S or over); Screw type Pumps and Gypsum Pumps; Grout Pumps; Tractor, Bulldozer, End Loader, under 40 hp; Pumps (well points); Trencher (chain type 8 inch or smaller bucket); Industrial Locomotives; Roller under 5 tons; Fireman (Piledrivers and Derricks); Robotic Tool Carrier with or without attachments.

GROUP 5: Hoists (Automatic); Forklift, 12 ft to 25 ft;

Tamper-Compactors, riding type; A-Frame and Winch Trucks; Concrete Auto Breaker; Hydrohammer, small; Brooms and Sweepers; Hoist (Tuggers); Stump Chipper, large; Boats (Tug, Safety, Work Barges and Launch); Shouldering Machine Operator; Screed Operator; Farm or Industrial Tractor; Post Hole Digger; Stone Crushers and Screening Plants; Firemen (Asphalt Plants); Air Compressor (400 CFM or over); Augers (vertical and horizontal); Generators, 150 KW and over; Air, Electric Hydraulic Jacks (Slipform); Prestress Machines; Skid Steer Loader with or without attachments; Boiler operators (temporary heat); Forklift, 12 ft and under; Screed Operator Milling Machine; Refrigeration Plant/Freeze Machine; Power Pack Vibratory/Ultra Sound Driver and Extractor; Generators under 150 KW; Combination small equipment operator; Compressors under 400 CFM; Welding Machines; Heaters, Mechanical; Pumps; Winches, Small Electric; Oiler and Greaser; Conveyor; High pressure utility locating machine (daylighting machine).

 IRON0008-002 06/01/2020

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 37.31	27.62

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

 IRON0008-003 06/01/2020

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 39.11	27.87

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

 IRON0383-001 06/01/2020

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.....	\$ 37.10	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 06/03/2019		

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
 PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	29.40

LAB00113-004 06/01/2020		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates	Fringes
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Laborers: (Open Cut)		
Group 1.....	\$ 16.38	21.08
Group 2.....	\$ 18.65	21.08
Group 3.....	\$ 22.19	21.08
Group 4.....	\$ 31.56	21.08
Group 5.....	\$ 31.70	21.08
Group 6.....	\$ 31.76	21.08
Group 7.....	\$ 34.77	21.08
Group 8.....	\$ 37.59	21.08
Group 9.....	\$ 38.23	21.08

LABORERS CLASSIFICATIONS [OPEN CUT]

GROUP 1: Yard Laborer

GROUP 2: Landscaper

GROUP 3: Flag Person

GROUP 4: Paving Laborer

GROUP 5: General Laborer on Surface; Top Man

GROUP 6: Mud Mixer

GROUP 7: Mucker; Form Stripper; Bottom Digger and Misc;
Bottom Man and Welder on Surface

GROUP 8: Concrete Manhole Builder; Caisson Worker; Miner;
Pipe Layer; Rock Driller and Joint Man; Timber Man and
Concrete Brusher; Bracer in Trench Behind Machine & Tight
Sheeting; Concrete Formsetter and Shoveler; Jackhammer
Operator

GROUP 9: Blaster

LAB00113-005 06/01/2020

SEWER, TUNNEL & UNDERGROUND

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
Laborers:		
Group 1.....	\$ 23.05	21.08
Group 2.....	\$ 28.98	21.08
Group 3.....	\$ 32.34	21.08
Group 4.....	\$ 34.11	21.08

TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS

GROUP 1: Flagperson

GROUP 2: Top Man, General Laborer, Wellpoint Installation, Wire Mesh and Reinforcement, Concrete Worker, Form Stripper, Strike-off Work

GROUP 3: Machine and Equipment Operator, Sheeting, Form Setting, Patch Finisher, Bottom Man, Joint Sawyer, Gunnite Man, Manhole Builder, Welder-Torchman, Blaster, Caulker, Bracer, Bull Float, Conduit Worker, Mucker and Car Pusher, Raker and Luteman, Hydraulic Jacking of Shields, Shield Drivers, Mining Machine, Lock Tenders, Mucking Machine Operator, Motor Men & Gauge Tenders and operation of incidental Mechanical Equipment and all Power Driven Tools

GROUP 4: Pipelayer, Miner and Laser Operator

LAB00113-008 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel-Free Air)		
Group 1.....	\$ 22.19	21.08
Group 2.....	\$ 31.70	21.08
Group 3.....	\$ 31.76	21.08
Group 4.....	\$ 34.77	21.08
Group 5.....	\$ 34.91	21.08
Group 6.....	\$ 37.59	21.08
Group 7.....	\$ 38.23	21.08

LABORERS CLASSIFICATIONS [TUNNEL - FREE AIR]:

GROUP 1: Flagperson

GROUP 2: General Laborer on surface; Tower Man

GROUP 3: Saw Man; Top Man

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey; Welder (rate on surface)

GROUP 6: Concrete Manhole Builder; Mucking Machine; Miner; Mining Machine; Welder; Rock Driller; Concrete Buster; Jack Hammer Operator; Caisson Worker; Pipelayer and Joint Man; Bracerman

GROUP 7: Blaster

* LAB00113-009 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel -		
*COMPRESSED AIR 0 - 15 lbs.)		
Group 1.....	\$ 22.19	21.08
Group 2.....	\$ 31.70	21.08
Group 3.....	\$ 35.31	21.08
Group 4.....	\$ 36.11	21.08
Group 5.....	\$ 36.23	21.08
Group 6.....	\$ 38.93	21.08
Group 7.....	\$ 39.55	21.08

LABORERS CLASSIFICATIONS [TUNNEL - COMPRESSED AIR]:

*Compressed Air 15 - 30 lbs add \$2.00 to all classifications
*Compressed Air over 30 lbs add \$3.00 to all classifications

GROUP 1: Flagperson

GROUP 2: General Laborer on surface

GROUP 3: Lock Tender on surface

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey

GROUP 6: Mucking Machine; Miner; Mining Machine; Welder & Rock Driller; Lock Tender in tunnel; Concrete Buster; Jack Hammer Operator; Caisson Worker; Pipelayer and Joint Man; Bracerman; Nozzle Man on Gunite; Timber Man; Concrete Brusher

GROUP 7: Blaster

NOTE: Hazardous & Toxic Waste Removal: add \$0.15 per hour.

LAB00140-005 06/01/2020

ADAMS, ASHLAND, BARRON, BROWN, BUFFALO, CALUMET, CHIPPEWA,
CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DUNN, EAU CLAIRE,
FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA,
JACKSON, JEFFERSON, JUNEAU, LACROSSE, LAFAYETTE, LANGLADE,
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,
MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK,
PORTAGE, PRICE, RICHLAND, ROCK, RUSK, ST CROIX, SAUK, SAWYER,
SHAWANO, SHEBOYGAN, TAYLOR, TREMMPEALEAU, VERNON, VILAS,
WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD
COUNTIES

	Rates	Fringes
LABORER (SEWER & WATER)		
Group 1.....	\$ 29.33	17.88
Group 2.....	\$ 31.18	17.88
Group 3.....	\$ 31.48	17.88
Group 4.....	\$ 32.13	17.88

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00,
15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORER CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer, Wellpoint Installation; Form
Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man;
Joint Sawyer; Gunnite Man; Manhole Builder; Welder;
Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and
Car Pusher; Raker and Luteman; Hydraulic jacking of
shields, Shield Drivers; Mining Machine; Lock Tenders;
Mucking Machine Operators; Motor Men and Gauge Tenders;
Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

LAB00464-002 06/01/2020

DANE AND DOUGLAS COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 29.23	17.88
Group 2.....	\$ 31.43	17.88
Group 3.....	\$ 31.63	17.88
Group 4.....	\$ 32.38	17.88

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0 - 15 lbs add \$1.00, 15- 30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer; Wellpoint Installation; Concrete Worker; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

LAB01091-010 06/01/2020

BAYFIELD, BURNETT, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
Laborers: (SEWER & WATER)		
Group 1.....	\$ 29.02	17.88
Group 2.....	\$ 31.08	17.88
Group 3.....	\$ 31.28	17.88
Group 4.....	\$ 32.03	17.88

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR:
0 - 15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: Laborers, Wellpoint Installation; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

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, TREMPLEAU, 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 06/01/2020

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 31.07	22.94
3 or more Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....	\$ 31.22	22.94

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"

"General Decision Number: WI20200015 09/18/2020

Superseded General Decision Number: WI20190015

State: Wisconsin

Construction Type: Heavy

Counties: Wisconsin Statewide.

HEAVY CONSTRUCTION PROJECTS (Excluding Tunnel, Sewer, and Water Lines).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 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 \$10.80 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 2020. 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	01/03/2020
1	01/24/2020
2	02/28/2020
3	03/06/2020
4	06/05/2020
5	06/12/2020
6	06/19/2020
7	07/03/2020
8	07/17/2020
9	07/24/2020

10	08/28/2020
11	09/11/2020
12	09/18/2020

BOIL0107-001 01/01/2017

	Rates	Fringes
BOILERMAKER		
Boilermaker.....	\$ 35.65	29.89
Small Boiler Repair (under 25,000 lbs/hr).....	\$ 26.91	16.00

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND
VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

BRWI0002-005 06/01/2019

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...	\$ 35.51	23.37

BRWI0003-002 06/03/2019

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019		

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.43	25.10

BRWI0006-002 06/01/2019		

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.06	23.02

BRWI0007-002 06/03/2019		

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.57	24.22

BRWI0008-002 06/01/2019		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.93	24.22

BRWI0009-001 06/03/2019		

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,
AND WINNEBAGO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0011-002 06/03/2019		

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0013-002 06/03/2019		

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

BRWI0019-002 06/03/2019		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

BRWI0021-002 06/03/2019		

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.75	24.02

BRWI0034-002 06/03/2019		

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

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, TREMPPEALEAU, 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
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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

CARP2337-003 06/01/2019

	Rates	Fringes
MILLWRIGHT		
Zone A.....	\$ 33.58	21.53
Zone B.....	\$ 33.58	21.53

ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

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
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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 06/03/2019

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE (Wausaukee 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
Electricians:.....	\$ 33.52	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	70.69%

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 06/01/2020		

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 41.86	22.66

ELEC0494-005 06/01/2020		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 42.84	25.54

ELEC0494-006 06/01/2020

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 36.32	22.51

ELEC0494-013 06/07/2020

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.....	\$ 21.46	18.52
Technician.....	\$ 31.34	20.00

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 06/01/2019

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:.....	\$ 33.15	28.50%+10.00

ELEC0890-003 06/01/2020		

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,
 RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.41	25.95%+11.11

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

ENGI0139-001 06/01/2020		

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA
 COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 47.66	23.15
Group 2.....	\$ 47.16	23.15
Group 3.....	\$ 46.66	23.15
Group 4.....	\$ 45.97	23.15
Group 5.....	\$ 42.39	23.15
Group 6.....	\$ 37.24	23.15

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, Pedestal Tower Cranes and Derricks with or w/o attachments with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Self-Erecting Tower Cranes over 4000 lbs lifting capacity; All Cranes with Boom Dollies; Boring Machines (directional); Master Mechanic. \$0.50 additional per hour per 100 tons or 100 ft of boom over 200 ft or lifting capacity of crane over 200 tons to a maximum of 300 tons or 300 ft. Thereafter an increase of \$0.01 per ft or ton, whichever is greater.

GROUP 2: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; or Cranes, Tower Cranes Portable Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads and/or jib lengths measuring 175 feet or less; Backhoes (excavators) 130,000 lbs and over; Caisson Rigs; Pile Drivers; Boring Machines (vertical or horizontal), Versi-Lift, Tri-Lift, Gantry 20,000 lbs & over.

GROUP 3: Backhoe (excavator) under 130,000 lbs; Self-erecting Tower Crane 4000 lbs & under lifting capacity; Traveling Crane (bridge type); Skid Rigs; Dredge Operator; Mechanic; Concrete Paver (over 27E); Concrete Spreader and Distributor; Forklift/ Telehandler (machinery- moving / steel erection); Hydro Blaster, 10,000 psi and over

GROUP 4: Material Hoists; Stack Hoists; Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 5 tons or under (tractor or truck mounted); Hoist (tuggers 5 tons & over); Hydro-Excavators/Daylighters; Concrete Pumps Rotec type Conveyors; Tractor/Bulldozer/End Loader (over 40 hp); Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Rotary Drill Operator and Blaster; Percussion Drill Operator; Air Track Drill and/or Hammers; Gantrys (under 20,000 lbs); Tencher (wheel type or chain type having 8 inch or larger bucket); Milling Machine; Off-Road Material Haulers.

GROUP 5: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machines (road type); Rubber Tired Roller; Concrete Batch Hopper; Concrete Conveyor Systems; Grout Pumps; Concrete Mixers (14S or over); Screw Type Pumps and Gypsum Pumps; Tractor, Bulldozer, End Loader (under 40 hp);

Trencher (chain type, bucket under 8 inch); Industrial Locomotives; Rollers under 5 tons; Stump Grinder/Chipper (Large); Timber Equipment; Firemen (pile drivers and derricks); Personnel Hoist, Telehandler over 8000 lbs; Robotic Tool Carrier with or without attachments

GROUP 6: Tampers - Compactors (riding type); Assistant Engineer; A-Frames and Winch Trucks; Concrete Auto Breaker; Hydrohammers (small); Brooms and Sweepers; Hoist (tuggers under 5 tons); Boats (Tug, Safety, Work Barges, Launch); Shouldering Machine Operator; Prestress Machines; Screed Operator; Stone Crushers and Screening Plants; Screed Operators (milling machine), Farm or Industrial Tractor Mounted Equipment; Post Hole Digger; Fireman (asphalt plants); Air Compressors over 400 CFM; Generators, over 150 KW; Augers (vertical and horizontal); Air, Electric, Hydraulic Jacks (slipform); Skid Steer Loaders (with or without attachments); Boiler Operators (temporary heat); Refrigeration Plant/Freeze Machines; Power Pack Vibratory/Ultra Sound Drivers and Extractors; Welding Machines; Heaters (mechanical); Pumps; Winches (small electric); Oiler and Greaser; Rotary Drill Tender; Conveyor; Forklifts/Telehandler 8000 lbs & under; Elevators: Automatic Hoists; Pumps (well points); Combination Small Equipment Operators

 ENGI0139-003 06/01/2020

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 42.92	23.15
Group 2.....	\$ 41.67	23.15
Group 3.....	\$ 39.97	23.15
Group 4.....	\$ 39.44	23.15
Group 5.....	\$ 37.37	23.15
Group 6.....	\$ 35.84	23.15

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;

Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,000 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweepers; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without attachments; Power Pack Vibratory/Ultra Sound Driver and

Extractor; Fireman (Asphalt Plants); Screed Operator; Stone
 Crushers and Screening Plants; Air, Electric, Hydraulic
 Jacks (Slip Form); Prestress Machines; Air Compressor, 400
 CFM or over; Refrigeration Plant/Freeze Machine; Boiler
 Operators (temporary heat); Forklifts; Welding Machines;
 Generators; Pumps over 3"; Heaters, Mechanical; Combination
 small equipment operator; Winches, small electric; Oiler;
 Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

 IRON0008-002 06/01/2020

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC,
 MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO
 COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 37.31	27.62

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
 Day, Thanksgiving Day & Christmas Day.

 IRON0008-003 06/01/2020

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),
 WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 39.11	27.87

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
 Day, Thanksgiving Day & Christmas Day.

 IRON0383-001 06/01/2020

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
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IRONWORKER.....\$ 37.10 27.06

IRON0512-008 06/03/2019

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPPEALEAU
COUNTIES

Rates Fringes

IRONWORKER.....\$ 37.60 29.40

IRON0512-021 06/03/2019

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

Rates Fringes

IRONWORKER.....\$ 33.19 29.40

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, TREMPLEAU, 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

 PLUM0011-003 05/07/2018

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, SAWYER, AND WASHBURN
 COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 40.63	20.72

 PLUM0075-002 06/01/2016

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 40.27	21.47

 PLUM0075-004 06/01/2016

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, AND ROCK
 COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 40.52	21.47

 PLUM0075-009 06/01/2016

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 38.82	20.12

PLUM0111-007	05/28/2018	

MARINETTE COUNTY (Niagara only)

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 33.33	24.48

PLUM0118-002	06/01/2020	

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
Plumber and Steamfitter.....	\$ 43.95	24.35

PLUM0400-003	06/04/2018	

ADAMS,BROWN, CALUMET, DODGE (except Watertown), DOOR, FOND DU LAC, GREEN LAKE,KEWAUNEE, MANITOWOC, MARINETTE (except Niagara), MENOMINEE, OCONTO, OUTAGAMIE, SHAWANO, SHEBOYGAN, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 36.74	19.06

PLUM0434-002	05/31/2020	

BARON, BUFFALO, CHIPPEWA, CLARK, CRAWFORD, DUNN, EAU CLAIRE, FLORENCE, FOREST, GRANT, JACKSON, JUNEAU, LA CROSSE, LANGLADE, LINCOLN, MARATHON, MONROE, ONEIDA, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RUSK, ST. CROIX, TAYLOR, TREMPPEALEAU, VERNON, VILAS, AND WOOD COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 42.70	20.47

PLUM0601-003	06/03/2019	

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, MILWAUKEE,

OZAUKEE, ROCK, WASHINGTON AND WAUKESHA COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 46.89	25.29

PLUM0601-009 06/04/2017		

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 47.08	20.89

TEAM0039-002 06/01/2020		

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axle Trucks.....	\$ 31.07	22.94
3 or more axles; Euclids or Dumptor, Articulated Truck, Mechanic.....	\$ 31.22	22.94

SUWI2011-001 11/16/2011		

	Rates	Fringes
WELL DRILLER.....	\$ 16.52	

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.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0105 Clearing	10.000 STA	_____.	_____.
0004	201.0120 Clearing	486.000 ID	_____.	_____.
0006	201.0205 Grubbing	10.000 STA	_____.	_____.
0008	201.0220 Grubbing	486.000 ID	_____.	_____.
0010	203.0100 Removing Small Pipe Culverts	4.000 EACH	_____.	_____.
0012	203.0200 Removing Old Structure (station) 01. 82+71 NB	LS	LUMP SUM	_____.
0014	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 01. 28'BR'+94	LS	LUMP SUM	_____.
0016	204.0100 Removing Concrete Pavement	33,764.000 SY	_____.	_____.
0018	204.0110 Removing Asphaltic Surface	8,741.000 SY	_____.	_____.
0020	204.0115 Removing Asphaltic Surface Butt Joints	425.000 SY	_____.	_____.
0022	204.0120 Removing Asphaltic Surface Milling	6,706.000 SY	_____.	_____.
0024	204.0150 Removing Curb & Gutter	7,272.000 LF	_____.	_____.
0026	204.0155 Removing Concrete Sidewalk	6,607.000 SY	_____.	_____.
0028	204.0165 Removing Guardrail	1,014.000 LF	_____.	_____.
0030	204.0195 Removing Concrete Bases	47.000 EACH	_____.	_____.
0032	204.0210 Removing Manholes	54.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0034	204.0220 Removing Inlets	66.000 EACH	_____.	_____.
0036	204.0245 Removing Storm Sewer (size) 01. 8-IN	33.000 LF	_____.	_____.
0038	204.0245 Removing Storm Sewer (size) 02. 12-IN	2,114.000 LF	_____.	_____.
0040	204.0245 Removing Storm Sewer (size) 03. 15-IN	328.000 LF	_____.	_____.
0042	204.0245 Removing Storm Sewer (size) 04. 18-IN	1,218.000 LF	_____.	_____.
0044	204.0245 Removing Storm Sewer (size) 05. 19x30-Inch HE	65.000 LF	_____.	_____.
0046	204.0245 Removing Storm Sewer (size) 06. 21-IN	14.000 LF	_____.	_____.
0048	204.0245 Removing Storm Sewer (size) 07. 24x38-Inch HE	29.000 LF	_____.	_____.
0050	204.0245 Removing Storm Sewer (size) 08. 24-IN	688.000 LF	_____.	_____.
0052	204.0245 Removing Storm Sewer (size) 09. 30-IN	1,057.000 LF	_____.	_____.
0054	204.0245 Removing Storm Sewer (size) 10. 36-IN	1,509.000 LF	_____.	_____.
0056	204.0245 Removing Storm Sewer (size) 11. 42-IN	254.000 LF	_____.	_____.
0058	204.0245 Removing Storm Sewer (size) 12. 48-IN	407.000 LF	_____.	_____.
0060	204.0291.S Abandoning Sewer	180.000 CY	_____.	_____.
0062	204.9090.S Removing (item description) 01. Removing or Abandoning Conduit	1,700.000 LF	_____.	_____.
0064	205.0100 Excavation Common	26,959.000 CY	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

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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
0066	205.0200 Excavation Rock	19.000 CY	_____.	_____.
0068	206.1000 Excavation for Structures Bridges (structure) 01. B-33-7	LS	LUMP SUM	_____.
0070	206.2000 Excavation for Structures Culverts (structure) 01. C-33-1	LS	LUMP SUM	_____.
0072	210.1500 Backfill Structure Type A	252.000 TON	_____.	_____.
0074	210.2500 Backfill Structure Type B	171.000 TON	_____.	_____.
0076	213.0100 Finishing Roadway (project) 01. 5245-02-72	1.000 EACH	_____.	_____.
0078	214.0100 Obliterating Old Road	5.000 STA	_____.	_____.
0080	305.0110 Base Aggregate Dense 3/4-Inch	197.000 TON	_____.	_____.
0082	305.0120 Base Aggregate Dense 1 1/4-Inch	30,059.000 TON	_____.	_____.
0084	311.0110 Breaker Run	34.000 TON	_____.	_____.
0086	312.0110 Select Crushed Material	35,102.000 TON	_____.	_____.
0088	405.1000 Stamping Colored Concrete	85.000 CY	_____.	_____.
0090	415.0410 Concrete Pavement Approach Slab	223.000 SY	_____.	_____.
0092	416.0160 Concrete Driveway 6-Inch	164.000 SY	_____.	_____.
0094	416.0170 Concrete Driveway 7-Inch	466.000 SY	_____.	_____.
0096	416.0260 Concrete Driveway HES 6-Inch	786.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0098	455.0605 Tack Coat	3,130.000 GAL	_____.	_____.
0100	460.2000 Incentive Density HMA Pavement	8,520.000 DOL	1.00000	8,520.00
0102	460.6223 HMA Pavement 3 MT 58-28 S	6,151.000 TON	_____.	_____.
0104	460.6224 HMA Pavement 4 MT 58-28 S	541.000 TON	_____.	_____.
0106	460.6424 HMA Pavement 4 MT 58-28 H	4,950.000 TON	_____.	_____.
0108	465.0105 Asphaltic Surface	495.000 TON	_____.	_____.
0110	465.0120 Asphaltic Surface Driveways and Field Entrances	104.000 TON	_____.	_____.
0112	465.0125 Asphaltic Surface Temporary	81.000 TON	_____.	_____.
0114	465.0310 Asphaltic Curb	1,050.000 LF	_____.	_____.
0116	502.0100 Concrete Masonry Bridges	684.000 CY	_____.	_____.
0118	502.3200 Protective Surface Treatment	339.000 SY	_____.	_____.
0120	502.4205 Adhesive Anchors No. 5 Bar	144.000 EACH	_____.	_____.
0122	502.4206 Adhesive Anchors No. 6 Bar	36.000 EACH	_____.	_____.
0124	504.0100 Concrete Masonry Culverts	22.000 CY	_____.	_____.
0126	505.0400 Bar Steel Reinforcement HS Structures	2,230.000 LB	_____.	_____.
0128	505.0600 Bar Steel Reinforcement HS Coated Structures	130,110.000 LB	_____.	_____.



Proposal Schedule of Items

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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
0130	509.1500 Concrete Surface Repair	53.000 SF	_____.	_____.
0132	509.5100.S Polymer Overlay	733.000 SY	_____.	_____.
0134	509.9020.S Epoxy Crack Sealing	102.000 LF	_____.	_____.
0136	511.1100 Temporary Shoring	2,582.000 SF	_____.	_____.
0138	511.1200 Temporary Shoring (structure) 01. C-33-1	210.000 SF	_____.	_____.
0140	513.2001 Railing Pipe	194.500 LF	_____.	_____.
0142	513.7084 Railing Steel Type NY4	353.000 LF	_____.	_____.
0144	513.8011 Railing Steel Pedestrian Type C2	360.000 LF	_____.	_____.
0146	516.0500 Rubberized Membrane Waterproofing	48.000 SY	_____.	_____.
0148	520.8000 Concrete Collars for Pipe	12.000 EACH	_____.	_____.
0150	521.1618 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 10 to 1	1.000 EACH	_____.	_____.
0152	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	1.000 EACH	_____.	_____.
0154	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	1.000 EACH	_____.	_____.
0156	601.0407 Concrete Curb & Gutter 18-Inch Type D	1,050.000 LF	_____.	_____.
0158	601.0411 Concrete Curb & Gutter 30-Inch Type D	13,345.000 LF	_____.	_____.
0160	601.0600 Concrete Curb Pedestrian	692.000 LF	_____.	_____.



Proposal Schedule of Items

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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
0162	602.0405 Concrete Sidewalk 4-Inch	67,710.000 SF	_____.	_____.
0164	602.0415 Concrete Sidewalk 6-Inch	715.000 SF	_____.	_____.
0166	602.0505 Curb Ramp Detectable Warning Field Yellow	860.000 SF	_____.	_____.
0168	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	173.000 SF	_____.	_____.
0170	602.1500 Concrete Steps	1,007.000 SF	_____.	_____.
0172	603.8000 Concrete Barrier Temporary Precast Delivered	450.000 LF	_____.	_____.
0174	603.8125 Concrete Barrier Temporary Precast Installed	860.000 LF	_____.	_____.
0176	606.0200 Riprap Medium	17.000 CY	_____.	_____.
0178	606.0300 Riprap Heavy	17.000 CY	_____.	_____.
0180	608.0005 Storm Sewer Rock Excavation	50.000 CY	_____.	_____.
0182	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	1,115.000 LF	_____.	_____.
0184	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	835.000 LF	_____.	_____.
0186	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	3,578.000 LF	_____.	_____.
0188	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	1,010.000 LF	_____.	_____.



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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
0190	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	776.000 LF	_____.	_____.
0192	608.0448 Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	21.000 LF	_____.	_____.
0194	608.0512 Storm Sewer Pipe Reinforced Concrete Class V 12-Inch	529.000 LF	_____.	_____.
0196	608.2319 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	43.000 LF	_____.	_____.
0198	608.2324 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	29.000 LF	_____.	_____.
0200	608.2329 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	650.000 LF	_____.	_____.
0202	608.2334 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch	150.000 LF	_____.	_____.
0204	608.2338 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	335.000 LF	_____.	_____.
0206	608.2434 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	188.000 LF	_____.	_____.
0208	608.3012 Storm Sewer Pipe Class III-A 12-Inch	33.000 LF	_____.	_____.
0210	611.0535 Manhole Covers Type J-Special	59.000 EACH	_____.	_____.
0212	611.0609 Inlet Covers Type B-A	5.000 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
0214	611.0612 Inlet Covers Type C	2.000 EACH	_____.	_____.
0216	611.0624 Inlet Covers Type H	84.000 EACH	_____.	_____.
0218	611.0633 Inlet Covers Type HM-GJ-S	4.000 EACH	_____.	_____.
0220	611.0639 Inlet Covers Type H-S	7.000 EACH	_____.	_____.
0222	611.0642 Inlet Covers Type MS	3.000 EACH	_____.	_____.
0224	611.0666 Inlet Covers Type Z	5.000 EACH	_____.	_____.
0226	611.1005 Catch Basins 5-FT Diameter	11.000 EACH	_____.	_____.
0228	611.1230 Catch Basins 2x3-FT	1.000 EACH	_____.	_____.
0230	611.2004 Manholes 4-FT Diameter	6.000 EACH	_____.	_____.
0232	611.2005 Manholes 5-FT Diameter	13.000 EACH	_____.	_____.
0234	611.2006 Manholes 6-FT Diameter	25.000 EACH	_____.	_____.
0236	611.2007 Manholes 7-FT Diameter	7.000 EACH	_____.	_____.
0238	611.2008 Manholes 8-FT Diameter	10.000 EACH	_____.	_____.
0240	611.3004 Inlets 4-FT Diameter	66.000 EACH	_____.	_____.
0242	611.3230 Inlets 2x3-FT	27.000 EACH	_____.	_____.
0244	611.3901 Inlets Median 1 Grate	2.000 EACH	_____.	_____.
0246	611.3902 Inlets Median 2 Grate	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0248	611.8110 Adjusting Manhole Covers	42.000 EACH	_____.	_____.
0250	611.9800.S Pipe Grates	1.000 EACH	_____.	_____.
0252	612.0206 Pipe Underdrain Unperforated 6-Inch	58.000 LF	_____.	_____.
0254	612.0406 Pipe Underdrain Wrapped 6-Inch	1,524.000 LF	_____.	_____.
0256	612.0902.S Insulation Board Polystyrene (inch) 01.2-Inch	25.000 SY	_____.	_____.
0258	614.2300 MGS Guardrail 3	150.000 LF	_____.	_____.
0260	614.2330 MGS Guardrail 3 K	662.500 LF	_____.	_____.
0262	614.2350 MGS Guardrail Short Radius	69.500 LF	_____.	_____.
0264	614.2500 MGS Thrie Beam Transition	39.000 LF	_____.	_____.
0266	614.2610 MGS Guardrail Terminal EAT	8.000 EACH	_____.	_____.
0268	614.2630 MGS Guardrail Short Radius Terminal	1.000 EACH	_____.	_____.
0270	616.0700.S Fence Safety	1,506.000 LF	_____.	_____.
0272	619.1000 Mobilization	1.000 EACH	_____.	_____.
0274	620.0100 Concrete Corrugated Median	250.000 SF	_____.	_____.
0276	620.0300 Concrete Median Sloped Nose	57.000 SF	_____.	_____.
0278	624.0100 Water	300.000 MGAL	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

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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
0280	625.0100 Topsoil	9,557.000 SY	_____.	_____.
0282	625.0105 Topsoil	65.000 CY	_____.	_____.
0284	627.0200 Mulching	1,814.000 SY	_____.	_____.
0286	628.1104 Erosion Bales	40.000 EACH	_____.	_____.
0288	628.1504 Silt Fence	2,967.000 LF	_____.	_____.
0290	628.1520 Silt Fence Maintenance	2,967.000 LF	_____.	_____.
0292	628.1905 Mobilizations Erosion Control	5.000 EACH	_____.	_____.
0294	628.1910 Mobilizations Emergency Erosion Control	5.000 EACH	_____.	_____.
0296	628.2006 Erosion Mat Urban Class I Type A	8,514.000 SY	_____.	_____.
0298	628.7015 Inlet Protection Type C	131.000 EACH	_____.	_____.
0300	628.7020 Inlet Protection Type D	3.000 EACH	_____.	_____.
0302	628.7504 Temporary Ditch Checks	10.000 LF	_____.	_____.
0304	628.7555 Culvert Pipe Checks	5.000 EACH	_____.	_____.
0306	628.7570 Rock Bags	88.000 EACH	_____.	_____.
0308	629.0210 Fertilizer Type B	16.000 CWT	_____.	_____.
0310	630.0120 Seeding Mixture No. 20	25.000 LB	_____.	_____.
0312	630.0140 Seeding Mixture No. 40	5.000 LB	_____.	_____.



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Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

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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
0314	630.0175 Seeding Mixture No. 75	1.000 LB	_____.	_____.
0316	630.0500 Seed Water	210.000 MGAL	_____.	_____.
0318	631.0300 Sod Water	10.000 MGAL	_____.	_____.
0320	631.1000 Sod Lawn	288.000 SY	_____.	_____.
0322	632.0101 Trees (species) (size) (root) 01. Quercus Robur, B&B, 2-Inch	5.000 EACH	_____.	_____.
0324	632.0101 Trees (species) (size) (root) 02. Malus X, B&B, 2-Inch	3.000 EACH	_____.	_____.
0326	632.0101 Trees (species) (size) (root) 03. Gleditsia Triacanthos, B&B, 2-Inch	4.000 EACH	_____.	_____.
0328	632.0101 Trees (species) (size) (root) 04. Gkinkgo Biloba, B&B, 2-Inch	3.000 EACH	_____.	_____.
0330	632.0101 Trees (species) (size) (root) 05. Celtis Occidentalis, B&B, 2-Inch	2.000 EACH	_____.	_____.
0332	632.0101 Trees (species) (size) (root) 06. Syringa Reticulata, B&B, 2-Inch	1.000 EACH	_____.	_____.
0334	632.0201 Shrubs (species) (size) (root) 01. Juniperus Horizontalis, Container, 3 Gal	40.000 EACH	_____.	_____.
0336	632.9101 Landscape Planting Surveillance and Care Cycles	16.000 EACH	_____.	_____.
0338	634.0612 Posts Wood 4x6-Inch X 12-FT	7.000 EACH	_____.	_____.
0340	634.0614 Posts Wood 4x6-Inch X 14-FT	10.000 EACH	_____.	_____.
0342	634.0616 Posts Wood 4x6-Inch X 16-FT	12.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0344	634.0618 Posts Wood 4x6-Inch X 18-FT	1.000 EACH	_____.	_____.
0346	634.0620 Posts Wood 4x6-Inch X 20-FT	1.000 EACH	_____.	_____.
0348	634.0810 Posts Tubular Steel 2x2-Inch X 10-FT	11.000 EACH	_____.	_____.
0350	634.0811 Posts Tubular Steel 2x2-Inch X 11-FT	6.000 EACH	_____.	_____.
0352	634.0812 Posts Tubular Steel 2x2-Inch X 12-FT	3.000 EACH	_____.	_____.
0354	634.0814 Posts Tubular Steel 2x2-Inch X 14-FT	3.000 EACH	_____.	_____.
0356	637.2210 Signs Type II Reflective H	32.500 SF	_____.	_____.
0358	637.2220 Signs Type II Reflective SH	6.750 SF	_____.	_____.
0360	637.2230 Signs Type II Reflective F	69.750 SF	_____.	_____.
0362	638.2102 Moving Signs Type II	117.000 EACH	_____.	_____.
0364	638.2602 Removing Signs Type II	7.000 EACH	_____.	_____.
0366	638.3000 Removing Small Sign Supports	29.000 EACH	_____.	_____.
0368	638.4000 Moving Small Sign Supports	63.000 EACH	_____.	_____.
0370	642.5401 Field Office Type D	1.000 EACH	_____.	_____.
0372	643.0300 Traffic Control Drums	24,479.000 DAY	_____.	_____.
0374	643.0410 Traffic Control Barricades Type II	5,843.000 DAY	_____.	_____.
0376	643.0420 Traffic Control Barricades Type III	22,355.000 DAY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0378	643.0705 Traffic Control Warning Lights Type A	33,344.000 DAY	_____.	_____.
0380	643.0715 Traffic Control Warning Lights Type C	5,554.000 DAY	_____.	_____.
0382	643.0900 Traffic Control Signs	199,678.000 DAY	_____.	_____.
0384	643.0910 Traffic Control Covering Signs Type I	14.000 EACH	_____.	_____.
0386	643.0920 Traffic Control Covering Signs Type II	10.000 EACH	_____.	_____.
0388	643.1050 Traffic Control Signs PCMS	21.000 DAY	_____.	_____.
0390	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0392	644.1410 Temporary Pedestrian Surface Asphalt	24,004.000 SF	_____.	_____.
0394	644.1420 Temporary Pedestrian Surface Plywood	22,180.000 SF	_____.	_____.
0396	644.1601 Temporary Pedestrian Curb Ramp	4,952.000 DAY	_____.	_____.
0398	644.1810 Temporary Pedestrian Barricade	7,588.000 LF	_____.	_____.
0400	645.0105 Geotextile Type C	320.000 SY	_____.	_____.
0402	645.0120 Geotextile Type HR	82.000 SY	_____.	_____.
0404	646.1020 Marking Line Epoxy 4-Inch	23,653.000 LF	_____.	_____.
0406	646.5020 Marking Arrow Epoxy	3.000 EACH	_____.	_____.
0408	646.5220 Marking Symbol Epoxy	9.000 EACH	_____.	_____.
0410	646.6120 Marking Stop Line Epoxy 18-Inch	71.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0412	646.7120 Marking Diagonal Epoxy 12-Inch	203.000 LF	_____.	_____.
0414	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	4,524.000 LF	_____.	_____.
0416	646.8020 Marking Corrugated Median Epoxy	80.000 SF	_____.	_____.
0418	646.8120 Marking Curb Epoxy	1,197.000 LF	_____.	_____.
0420	646.8220 Marking Island Nose Epoxy	10.000 EACH	_____.	_____.
0422	646.8320 Marking Parking Stall Epoxy	645.000 LF	_____.	_____.
0424	646.9000 Marking Removal Line 4-Inch	1,208.000 LF	_____.	_____.
0426	646.9300 Marking Removal Special Marking	6.000 EACH	_____.	_____.
0428	649.0105 Temporary Marking Line Paint 4-Inch	5,765.000 LF	_____.	_____.
0430	649.0150 Temporary Marking Line Removable Tape 4-Inch	5,920.000 LF	_____.	_____.
0432	649.0805 Temporary Marking Stop Line Paint 18-Inch	50.000 LF	_____.	_____.
0434	649.0850 Temporary Marking Stop Line Removable Tape 18-Inch	12.000 LF	_____.	_____.
0436	650.4000 Construction Staking Storm Sewer	174.000 EACH	_____.	_____.
0438	650.4500 Construction Staking Subgrade	10,128.000 LF	_____.	_____.
0440	650.5000 Construction Staking Base	10,128.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0442	650.5500 Construction Staking Curb Gutter and Curb & Gutter	14,395.000 LF	_____.	_____.
0444	650.6500 Construction Staking Structure Layout (structure) 01. B-33-7	LS	LUMP SUM	_____.
0446	650.6500 Construction Staking Structure Layout (structure) 02. C-33-1	LS	LUMP SUM	_____.
0448	650.9000 Construction Staking Curb Ramps	93.000 EACH	_____.	_____.
0450	650.9910 Construction Staking Supplemental Control (project) 01. 5245-02-72	LS	LUMP SUM	_____.
0452	650.9920 Construction Staking Slope Stakes	11,789.000 LF	_____.	_____.
0454	652.0125 Conduit Rigid Metallic 2-Inch	48.000 LF	_____.	_____.
0456	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	6,782.000 LF	_____.	_____.
0458	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	70.000 LF	_____.	_____.
0460	653.0164 Pull Boxes Non-Conductive 24x42-Inch	24.000 EACH	_____.	_____.
0462	653.0222 Junction Boxes 18x12x6-Inch	2.000 EACH	_____.	_____.
0464	654.0101 Concrete Bases Type 1	2.000 EACH	_____.	_____.
0466	654.0230 Concrete Control Cabinet Bases Type L30	1.000 EACH	_____.	_____.
0468	655.0610 Electrical Wire Lighting 12 AWG	9,410.000 LF	_____.	_____.
0470	655.0620 Electrical Wire Lighting 8 AWG	16,806.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0472	655.0625 Electrical Wire Lighting 6 AWG	23,767.000 LF	_____.	_____.
0474	656.0200 Electrical Service Meter Breaker Pedestal (location) 01. CB100	LS	LUMP SUM	_____.
0476	657.0100 Pedestal Bases	2.000 EACH	_____.	_____.
0478	657.0420 Traffic Signal Standards Aluminum 13-FT	2.000 EACH	_____.	_____.
0480	657.6005 Anchor Assemblies Light Poles on Structures	2.000 EACH	_____.	_____.
0482	658.0500 Pedestrian Push Buttons	2.000 EACH	_____.	_____.
0484	659.2130 Lighting Control Cabinets 120/240 30-Inch	1.000 EACH	_____.	_____.
0486	661.0100 Temporary Traffic Signals for Bridges (structure) 01. B-33-7	LS	LUMP SUM	_____.
0488	690.0150 Sawing Asphalt	2,076.000 LF	_____.	_____.
0490	690.0250 Sawing Concrete	5,311.000 LF	_____.	_____.
0492	715.0502 Incentive Strength Concrete Structures	4,604.000 DOL	1.00000	4,604.00
0494	740.0440 Incentive IRI Ride	2,982.000 DOL	1.00000	2,982.00
0496	999.1000.S Seismograph	LS	LUMP SUM	_____.
0498	999.1500.S Crack and Damage Survey	LS	LUMP SUM	_____.
0500	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,500.000 HRS	5.00000	12,500.00



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0502	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	3,200.000 HRS	5.00000	16,000.00
0504	SPV.0035 Special 01. Shredded Bark Mulch	12.000 CY	_____.	_____.
0506	SPV.0035 Special 02. Exc, Seg, Hauling, and Disp of Cont Soil and the Mgmt of Cont Groundwater	822.000 CY	_____.	_____.
0508	SPV.0035 Special 03. Abandoning Storm Pipe Special	5.300 CY	_____.	_____.
0510	SPV.0035 Special 04. Utility Rock Excavation	126.000 CY	_____.	_____.
0512	SPV.0035 Special 05. Excavation Waste	23,712.000 CY	_____.	_____.
0514	SPV.0060 Special 01. Covering Storm Sewer	5.000 EACH	_____.	_____.
0516	SPV.0060 Special 02. Perennials (Achillea X, Container, 1 Gal)	20.000 EACH	_____.	_____.
0518	SPV.0060 Special 03. Perennials (Allium X, Container, 1 Gal)	142.000 EACH	_____.	_____.
0520	SPV.0060 Special 04. Perennials (Stella de Oro, Container, 1 Gal)	84.000 EACH	_____.	_____.
0522	SPV.0060 Special 05. Perennials (Panicum Virgatum, Container, 1 Gal)	24.000 EACH	_____.	_____.
0524	SPV.0060 Special 06. Bench	5.000 EACH	_____.	_____.
0526	SPV.0060 Special 07. Abandon Window Well-307 Main Street	1.000 EACH	_____.	_____.
0528	SPV.0060 Special 08. Abandon Window Well-324 Main Street	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0530	SPV.0060 Special 09. Abandon Window Well-325 Main Street	1.000 EACH	_____.	_____.
0532	SPV.0060 Special 10. Abandon Window Well-408 Main Street	1.000 EACH	_____.	_____.
0534	SPV.0060 Special 11. Abandon Window Well-420 Main Street	1.000 EACH	_____.	_____.
0536	SPV.0060 Special 12. Remove and Salvage Lighting Unit	47.000 EACH	_____.	_____.
0538	SPV.0060 Special 13. Decorative Lighting Unit Type A1	26.000 EACH	_____.	_____.
0540	SPV.0060 Special 14. Decorative Lighting Unit Type A2	5.000 EACH	_____.	_____.
0542	SPV.0060 Special 15. Decorative Lighting Unit Type B	6.000 EACH	_____.	_____.
0544	SPV.0060 Special 16. Decorative Lighting Unit Type C	8.000 EACH	_____.	_____.
0546	SPV.0060 Special 17. Slip-in Inline Check Valve 24-Inch	4.000 EACH	_____.	_____.
0548	SPV.0060 Special 18. Slip-in Inline Check Valve 48-Inch	1.000 EACH	_____.	_____.
0550	SPV.0060 Special 19. Research and Locate Existing Land Parcel Monuments	17.000 EACH	_____.	_____.
0552	SPV.0060 Special 20. Verify and Replace Existing Land Parcel Monuments	17.000 EACH	_____.	_____.
0554	SPV.0060 Special 21. Sanitary Sewer Manhole	19.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0556	SPV.0060 Special 22. Sanitary Sewer Connection to Existing (Temporary)	1.000 EACH	_____.	_____.
0558	SPV.0060 Special 23. Sanitary Sewer Connection to Existing	30.000 EACH	_____.	_____.
0560	SPV.0060 Special 24. Sanitary Sewer Lateral Replace	44.000 EACH	_____.	_____.
0562	SPV.0060 Special 25. Sanitary Sewer Lateral New 4-Inch	4.000 EACH	_____.	_____.
0564	SPV.0060 Special 26. Type 1 Manhole Rehabilitation	9.000 EACH	_____.	_____.
0566	SPV.0060 Special 27. Type 2 Manhole Rehabilitation	14.000 EACH	_____.	_____.
0568	SPV.0060 Special 28. Water Main Gate Valve 4-Inch	2.000 EACH	_____.	_____.
0570	SPV.0060 Special 29. Water Main Gate Valve 6-Inch	25.000 EACH	_____.	_____.
0572	SPV.0060 Special 30. Water Main Gate Valve 8-Inch	59.000 EACH	_____.	_____.
0574	SPV.0060 Special 31. Water Main Connection to Existing (Temporary)	3.000 EACH	_____.	_____.
0576	SPV.0060 Special 32. Water Main Connection to Existing	27.000 EACH	_____.	_____.
0578	SPV.0060 Special 33. Water Service Replace 1-Inch	93.000 EACH	_____.	_____.
0580	SPV.0060 Special 34. Type 1 Lead Water Service Replace 1-Inch	13.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0582	SPV.0060 Special 35. Type 2 Lead Water Service Replace 1-Inch	25.000 EACH	_____.	_____.
0584	SPV.0060 Special 36. Water Service Replace 1 1/2-Inch	1.000 EACH	_____.	_____.
0586	SPV.0060 Special 37. Water Service Replace 4-Inch	1.000 EACH	_____.	_____.
0588	SPV.0060 Special 38. Water Service Replace 6-Inch	1.000 EACH	_____.	_____.
0590	SPV.0060 Special 39. Water Service New 1-Inch	1.000 EACH	_____.	_____.
0592	SPV.0060 Special 40. Water Service New 4-Inch	1.000 EACH	_____.	_____.
0594	SPV.0060 Special 41. Yard Hydrant	3.000 EACH	_____.	_____.
0596	SPV.0060 Special 42. Meter Pit	2.000 EACH	_____.	_____.
0598	SPV.0060 Special 43. Water Valve Structure	1.000 EACH	_____.	_____.
0600	SPV.0060 Special 44. Remove Only - Existing Valve	42.000 EACH	_____.	_____.
0602	SPV.0060 Special 45. Remove Only - Existing Water Valve Structure	13.000 EACH	_____.	_____.
0604	SPV.0060 Special 46. Remove Only - Existing Hydrant	15.000 EACH	_____.	_____.
0606	SPV.0060 Special 47. Inlet Covers Type H-D	2.000 EACH	_____.	_____.
0608	SPV.0060 Special 48. Fire Hydrant 6-Inch (with 6-Inch Hydrant Lead)	19.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0610	SPV.0060 Special 49. Abandon Window Well-314 Main Street	1.000 EACH	_____.	_____.
0612	SPV.0060 Special 50. Abandon Window Well-319 Main Street	2.000 EACH	_____.	_____.
0614	SPV.0060 Special 51. Decorative Lighting Unit Type A1 High Strength	2.000 EACH	_____.	_____.
0616	SPV.0060 Special 52. Utility Line Opening (ULO)	14.000 EACH	_____.	_____.
0618	SPV.0060 Special 53. Water Main Vertical Offset 6-Inch	3.000 EACH	_____.	_____.
0620	SPV.0060 Special 54. Adjustment of Pressure Reducing Valve Structure Access Hatch	1.000 EACH	_____.	_____.
0622	SPV.0060 Special 55. Remove Only Existing Drinking Fountain	1.000 EACH	_____.	_____.
0624	SPV.0090 Special 01. Pipe Underdrain (6-Inch) with Geotextile Fabric and Aggregate	4,802.000 LF	_____.	_____.
0626	SPV.0090 Special 02. Removing Electrical Conductors from Existing Conduit	1,700.000 LF	_____.	_____.
0628	SPV.0090 Special 03. Sanitary Sewer Main SDR 35 PVC 8-Inch	2,088.000 LF	_____.	_____.
0630	SPV.0090 Special 04. Sanitary Sewer Main SDR 35 PVC 12-Inch	275.000 LF	_____.	_____.
0632	SPV.0090 Special 05. Sanitary Sewer Force Main DR 18 PVC 6-Inch	479.000 LF	_____.	_____.
0634	SPV.0090 Special 06. Post Construction Sanitary Sewer Televising	2,363.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0636	SPV.0090 Special 07. Water Main DR 18 PVC 6-Inch	349.000 LF	_____.	_____.
0638	SPV.0090 Special 08. Water Main DR 18 PVC 8-Inch	7,822.000 LF	_____.	_____.
0640	SPV.0090 Special 09. Water Main Class 52 Ductile Iron 8-Inch	127.000 LF	_____.	_____.
0642	SPV.0090 Special 10. Construction Staking Wall Modular Block	1,506.000 LF	_____.	_____.
0644	SPV.0090 Special 11. Removing Pipe Railing	85.000 LF	_____.	_____.
0646	SPV.0090 Special 12. Water Main Horizontal Directional Drilling 8-Inch	164.000 LF	_____.	_____.
0648	SPV.0105 Special 01. Rectangular Rapid Flashing Beacon System	LS	LUMP SUM	_____.
0650	SPV.0165 Special 01. Wall Modular Block Gravity Landscape Sta 1'A'+00	400.000 SF	_____.	_____.
0652	SPV.0165 Special 02. Wall Modular Block Gravity Landscape Sta 1'J'+00	311.000 SF	_____.	_____.
0654	SPV.0165 Special 03. Wall Modular Block Gravity Landscape Sta 1'K'+00	290.000 SF	_____.	_____.
0656	SPV.0165 Special 04. Wall Modular Block Gravity Landscape Sta 1'L'+00	293.000 SF	_____.	_____.
0658	SPV.0165 Special 05. Wall Modular Block Gravity Landscape Sta 1'M'+00	926.000 SF	_____.	_____.
0660	SPV.0165 Special 06. Wall Modular Block Gravity Landscape Sta 1'N'+00	398.000 SF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0662	SPV.0165 Special 07. Wall Modular Block Gravity Landscape Sta 1'P'+00	689.000 SF	_____.	_____.
0664	SPV.0165 Special 08. Wall Modular Block Gravity Landscape Sta 1'Q'+00	160.000 SF	_____.	_____.
0666	SPV.0165 Special 09. Wall Modular Block Mechanically Stabilized Earth Sta 1'B'+00	266.000 SF	_____.	_____.
0668	SPV.0165 Special 10. Wall Modular Block Mechanically Stabilized Earth Sta 1'C'+00	133.000 SF	_____.	_____.
0670	SPV.0165 Special 11. Wall Modular Block Mechanically Stabilized Earth Sta 1'D'+00	560.000 SF	_____.	_____.
0672	SPV.0165 Special 12. Wall Modular Block Mechanically Stabilized Earth Sta 1'E'+00	491.000 SF	_____.	_____.
0674	SPV.0165 Special 13. Wall Modular Block Mechanically Stabilized Earth Sta 1'F'+00	304.000 SF	_____.	_____.
0676	SPV.0165 Special 14. Wall Modular Block Mechanically Stabilized Earth Sta 1'G'+00	317.000 SF	_____.	_____.
0678	SPV.0165 Special 15. Wall Modular Block Mechanically Stabilized Earth Sta 1'H'+00	479.000 SF	_____.	_____.
0680	SPV.0165 Special 16. Concrete Median	3,643.000 SF	_____.	_____.

Section: 0001

Total: _____.

Total Bid: _____.

PLEASE ATTACH ADDENDA HERE



Wisconsin Department of Transportation

November 2, 2020

**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:

Federal Wage Rate Addendum #01

Letting of November 10, 2020

Attached is a copy of the revised WI 10 Highway Davis Bacon Prevailing Wage Rates that are included in proposals 01 – 29 and 31 – 33; WI 8 Heavy (Sewer & Water Line & Tunnel) Davis Bacon Prevailing Wage Rates that are included in proposals 09 and 28; and WI 15 Heavy Davis Bacon Prevailing Wage Rates that are included in proposal 09. These wage rates are effective for all proposals they are included in in the November 10, 2020 letting. The updated wage rates are dated October 2, 2020 and are effective on or after October 12, 2020.

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

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

"General Decision Number: WI20200010 10/02/2020

Superseded General Decision Number: WI20190010

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 \$10.80 for calendar year 2020 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 \$10.80 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 2020. 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	01/03/2020
1	01/24/2020
2	02/28/2020
3	03/06/2020
4	06/05/2020
5	06/12/2020
6	06/19/2020
7	07/17/2020
8	08/28/2020

9	09/11/2020
10	09/18/2020
11	10/02/2020

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

BRWI0002-005 06/01/2019

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...	\$ 35.51	23.37

BRWI0003-002 06/03/2019

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

Rates	Fringes
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BRICKLAYER.....\$ 38.43 25.10

BRWI0006-002 06/01/2019

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.06 23.02

BRWI0007-002 06/03/2019

GREEN, LAFAYETTE, AND ROCK COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.57 24.22

BRWI0008-002 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

BRICKLAYER.....\$ 38.93 24.22

BRWI0011-002 06/03/2019

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

Rates Fringes

BRICKLAYER.....\$ 34.18 23.90

BRWI0019-002 06/03/2019

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

Rates Fringes

BRICKLAYER.....\$ 33.40 24.68

BRWI0034-002 06/03/2019

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

 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
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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(Wausaukee 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 06/01/2020

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 41.86	22.66

ELEC0494-005 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 42.84	25.54

ELEC0494-006 06/01/2020

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 36.32	22.51

ELEC0494-013 06/07/2020

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.....	\$ 21.46	18.52
Technician.....	\$ 31.34	20.00

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 06/01/2019

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:.....	\$ 33.15	28.50%+10.00

ELEC0890-003 06/01/2020		

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,
 RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.41	25.95%+11.11

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.

GROUP 6: Off-road material hauler with or without ejector.

IRON0008-002 06/01/2020

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 37.31	27.62

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2020

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 39.11	27.87

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2020

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.....	\$ 37.10	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 TREMPPEALEAU
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.60	29.40

IRON0512-021 06/03/2019

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	29.40

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, TREMPEALEAU, 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 06/01/2020

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 31.07	22.94
3 or more Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....	\$ 31.22	22.94

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"

"General Decision Number: WI20200008 10/02/2020

Superseded General Decision Number: WI20190008

State: Wisconsin

Construction Types: Heavy (Sewer and Water Line and Tunnel)

Counties: Wisconsin Statewide.

TUNNEL, SEWER & WATER LINE CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 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 \$10.80 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 2020. 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	01/03/2020
1	01/24/2020
2	02/28/2020
3	03/06/2020
4	06/05/2020
5	06/12/2020
6	06/19/2020
7	07/17/2020
8	07/24/2020
9	08/28/2020

10	09/11/2020
11	09/18/2020
12	10/02/2020

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

BRWI0002-005 06/01/2019

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...	\$ 35.51	23.37

BRWI0003-002 06/03/2019

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

Rates	Fringes
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BRICKLAYER.....\$ 38.43 25.10

BRWI0006-002 06/01/2019

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.06 23.02

BRWI0007-002 06/03/2019

GREEN, LAFAYETTE, AND ROCK COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.57 24.22

BRWI0008-002 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

BRICKLAYER.....\$ 38.93 24.22

BRWI0009-001 06/03/2019

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,
AND WINNEBAGO COUNTIES

Rates Fringes

BRICKLAYER.....\$ 34.18 23.90

BRWI0011-002 06/03/2019

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

Rates Fringes

BRICKLAYER.....\$ 34.18 23.90

BRWI0013-002 06/03/2019

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

BRWI0019-002 06/03/2019

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

BRWI0021-002 06/03/2019

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.75	24.02

BRWI0034-002 06/03/2019

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

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

 CARP2337-003 06/01/2019

	Rates	Fringes
MILLWRIGHT		
Zone A.....	\$ 33.58	21.53
Zone B.....	\$ 33.58	21.53

ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

 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

 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(Wausaukee 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 06/01/2020		

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 41.86	22.66

ELEC0494-005 06/01/2020		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 42.84	25.54

ELEC0494-006 06/01/2020		

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 36.32	22.51

ELEC0577-003 06/01/2019		

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:.....	\$ 33.15	28.50%+10.00

ELEC0890-003 06/01/2020		

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,

RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.41	25.95%+11.11

ENGI0139-003 06/01/2020		

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 42.92	23.15
Group 2.....	\$ 41.67	23.15
Group 3.....	\$ 39.97	23.15
Group 4.....	\$ 39.44	23.15
Group 5.....	\$ 37.37	23.15
Group 6.....	\$ 35.84	23.15

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; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,00 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator;

Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweepers; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without attachments; Power Pack Vibratory/Ultra Sound Driver and Extractor; Fireman (Asphalt Plants); Screed Operator; Stone Crushers and Screening Plants; Air, Electric, Hydraulic Jacks (Slip Form); Prestress Machines; Air Compressor, 400 CFM or over; Refrigeration Plant/Freeze Machine; Boiler Operators (temporary heat); Forklifts; Welding Machines; Generators; Pumps over 3"; Heaters, Mechanical; Combination small equipment operator; Winches, small electric; Oiler; Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

 ENGI0139-007 06/01/2020

DODGE, FOND DU LAC, JEFFERSON, KENOSHA, MILWAUKEE, OZAUKEE, RACINE, SHEBOYGAN, WALWORTH, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.64	23.25

Group 2.....	\$ 40.86	23.25
Group 3.....	\$ 39.91	23.25
Group 4.....	\$ 38.86	23.25
Group 5.....	\$ 37.46	23.25

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; Backhoes (Excavators) 130,000 lbs and over; Caisson Rigs and Pile Drivers

GROUP 2: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or under; or Cranes, Tower Cranes, and Derricks with boom, lead, and/or jib lengths measuring 175 feet or under; Backhoes (Excavators) under 130,000 lbs; Skid Rigs; Dredge Operator: Traveling Crane (Bridge type); Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Pumps and Boring Machines (directional)

GROUP 3: Material Hoists; Stack Hoists; Tractor or Truck mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane, 5 tons or under; Manhoist; Tractor over 40 hp; Bulldozer over 40 hp; Endloader over 40 hp; Forklift, 25 ft and over; Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Mechanic and Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Percussion Drill Operator; Rotary Drill Operator; Blaster; Air Track Drill; Trencher (wheel type or chain type having over 8 inch bucket); Elevator; Milling Machine and Boring Machine (horizontal or vertical); Backhoe Mounted Compactor

GROUP 4: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machine (road type); Roller, Rubber Tire; Concrete Batch Hopper; Concrete Conveyor System; Concrete Mixers (14S or over); Screw type Pumps and Gypsum Pumps; Grout Pumps; Tractor, Bulldozer, End Loader, under 40 hp; Pumps (well points); Trencher (chain type 8 inch or smaller bucket); Industrial Locomotives; Roller under 5 tons; Fireman (Piledrivers and Derricks); Robotic Tool Carrier with or without attachments.

GROUP 5: Hoists (Automatic); Forklift, 12 ft to 25 ft; Tamper-Compactors, riding type; A-Frame and Winch Trucks; Concrete Auto Breaker; Hydrohammer, small; Brooms and Sweepers; Hoist (Tuggers); Stump Chipper, large; Boats (Tug, Safety, Work Barges and Launch); Shouldering Machine Operator; Screed Operator; Farm or Industrial Tractor; Post Hole Digger; Stone Crushers and Screening Plants; Firemen (Asphalt Plants); Air Compressor (400 CFM or over); Augers (vertical and horizontal); Generators, 150 KW and over; Air, Electric Hydraulic Jacks (Slipform); Prestress Machines; Skid Steer Loader with or without attachments; Boiler operators (temporary heat); Forklift, 12 ft and under; Screed Operator Milling Machine; Refrigeration Plant/Freeze Machine; Power Pack Vibratory/Ultra Sound Driver and Extractor; Generators under 150 KW; Combination small equipment operator; Compressors under 400 CFM; Welding Machines; Heaters, Mechanical; Pumps; Winches, Small Electric; Oiler and Greaser; Conveyor; High pressure utility locating machine (daylighting machine).

 IRON0008-002 06/01/2020

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 37.31	27.62

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

 IRON0008-003 06/01/2020

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 39.11	27.87

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2020

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.....	\$ 37.10	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 TREMPPEALEAU COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.60	29.40

IRON0512-021 06/03/2019

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	29.40

LAB00113-004 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates	Fringes
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Laborers: (Open Cut)		
Group 1.....	\$ 16.38	21.08
Group 2.....	\$ 18.65	21.08
Group 3.....	\$ 22.19	21.08
Group 4.....	\$ 31.56	21.08
Group 5.....	\$ 31.70	21.08
Group 6.....	\$ 31.76	21.08
Group 7.....	\$ 34.77	21.08
Group 8.....	\$ 37.59	21.08
Group 9.....	\$ 38.23	21.08

LABORERS CLASSIFICATIONS [OPEN CUT]

GROUP 1: Yard Laborer

GROUP 2: Landscaper

GROUP 3: Flag Person

GROUP 4: Paving Laborer

GROUP 5: General Laborer on Surface; Top Man

GROUP 6: Mud Mixer

GROUP 7: Mucker; Form Stripper; Bottom Digger and Misc;
Bottom Man and Welder on Surface

GROUP 8: Concrete Manhole Builder; Caisson Worker; Miner;
Pipe Layer; Rock Driller and Joint Man; Timber Man and
Concrete Brusher; Bracer in Trench Behind Machine & Tight
Sheeting; Concrete Formsetter and Shoveler; Jackhammer
Operator

GROUP 9: Blaster

LAB00113-005 06/01/2020

SEWER, TUNNEL & UNDERGROUND

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
Laborers:		
Group 1.....	\$ 23.05	21.08
Group 2.....	\$ 28.98	21.08
Group 3.....	\$ 32.34	21.08

Group 4.....\$ 34.11 21.08

TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS

GROUP 1: Flagperson

GROUP 2: Top Man, General Laborer, Wellpoint Installation, Wire Mesh and Reinforcement, Concrete Worker, Form Stripper, Strike-off Work

GROUP 3: Machine and Equipment Operator, Sheeting, Form Setting, Patch Finisher, Bottom Man, Joint Sawyer, Gunnite Man, Manhole Builder, Welder-Torchman, Blaster, Caulker, Bracer, Bull Float, Conduit Worker, Mucker and Car Pusher, Raker and Luteman, Hydraulic Jacking of Shields, Shield Drivers, Mining Machine, Lock Tenders, Mucking Machine Operator, Motor Men & Gauge Tenders and operation of incidental Mechanical Equipment and all Power Driven Tools

GROUP 4: Pipelayer, Miner and Laser Operator

LAB00113-008 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel-Free Air)		
Group 1.....	\$ 22.19	21.08
Group 2.....	\$ 31.70	21.08
Group 3.....	\$ 31.76	21.08
Group 4.....	\$ 34.77	21.08
Group 5.....	\$ 34.91	21.08
Group 6.....	\$ 37.59	21.08
Group 7.....	\$ 38.23	21.08

LABORERS CLASSIFICATIONS [TUNNEL - FREE AIR]:

GROUP 1: Flagperson

GROUP 2: General Laborer on surface; Tower Man

GROUP 3: Saw Man; Top Man

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey; Welder (rate on surface)

GROUP 6: Concrete Manhole Builder; Mucking Machine; Miner; Mining Machine; Welder; Rock Driller; Concrete Buster; Jack Hammer Operator; Caisson Worker; Pipelayer and Joint Man; Bracerman

GROUP 7: Blaster

* LABO0113-009 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel -		
*COMPRESSED AIR 0 - 15 lbs.)		
Group 1.....	\$ 22.19	21.08
Group 2.....	\$ 31.70	21.08
Group 3.....	\$ 35.31	21.08
Group 4.....	\$ 36.11	21.08
Group 5.....	\$ 36.23	21.08
Group 6.....	\$ 38.93	21.08
Group 7.....	\$ 39.55	21.08

LABORERS CLASSIFICATIONS [TUNNEL - COMPRESSED AIR]:

- *Compressed Air 15 - 30 lbs add \$2.00 to all classifications
- *Compressed Air over 30 lbs add \$3.00 to all classifications

GROUP 1: Flagperson

GROUP 2: General Laborer on surface

GROUP 3: Lock Tender on surface

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey

GROUP 6: Mucking Machine; Miner; Mining Machine; Welder & Rock Driller; Lock Tender in tunnel; Concrete Buster; Jack Hammer Operator; Caisson Worker; Pipelayer and Joint Man; Bracerman; Nozzle Man on Gunite; Timber Man; Concrete Brusher

GROUP 7: Blaster

NOTE: Hazardous & Toxic Waste Removal: add \$0.15 per hour.

LAB00140-005 06/01/2020

ADAMS, ASHLAND, BARRON, BROWN, BUFFALO, CALUMET, CHIPPEWA,
CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DUNN, EAU CLAIRE,
FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA,
JACKSON, JEFFERSON, JUNEAU, LACROSSE, LAFAYETTE, LANGLADE,
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,
MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK,
PORTAGE, PRICE, RICHLAND, ROCK, RUSK, ST CROIX, SAUK, SAWYER,
SHAWANO, SHEBOYGAN, TAYLOR, TREMMPEALEAU, VERNON, VILAS,
WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD
COUNTIES

	Rates	Fringes
LABORER (SEWER & WATER)		
Group 1.....	\$ 29.33	17.88
Group 2.....	\$ 31.18	17.88
Group 3.....	\$ 31.48	17.88
Group 4.....	\$ 32.13	17.88

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00,
15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORER CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer, Wellpoint Installation; Form
Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man;
Joint Sawyer; Gunnite Man; Manhole Builder; Welder;
Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and
Car Pusher; Raker and Luteman; Hydraulic jacking of
shields, Shield Drivers; Mining Machine; Lock Tenders;
Mucking Machine Operators; Motor Men and Gauge Tenders;
Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

LAB00464-002 06/01/2020

DANE AND DOUGLAS COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 29.23	17.88
Group 2.....	\$ 31.43	17.88
Group 3.....	\$ 31.63	17.88
Group 4.....	\$ 32.38	17.88

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0 - 15 lbs add \$1.00, 15- 30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer; Wellpoint Installation; Concrete Worker; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

LAB01091-010 06/01/2020

BAYFIELD, BURNETT, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
Laborers: (SEWER & WATER)		
Group 1.....	\$ 29.02	17.88
Group 2.....	\$ 31.08	17.88
Group 3.....	\$ 31.28	17.88
Group 4.....	\$ 32.03	17.88

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR:
0 - 15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: Laborers, Wellpoint Installation; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

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 06/01/2020

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 31.07	22.94
3 or more Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....	\$ 31.22	22.94

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"

"General Decision Number: WI20200015 10/02/2020

Superseded General Decision Number: WI20190015

State: Wisconsin

Construction Type: Heavy

Counties: Wisconsin Statewide.

HEAVY CONSTRUCTION PROJECTS (Excluding Tunnel, Sewer, and Water Lines).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 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 \$10.80 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 2020. 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	01/03/2020
1	01/24/2020
2	02/28/2020
3	03/06/2020
4	06/05/2020
5	06/12/2020
6	06/19/2020
7	07/03/2020
8	07/17/2020
9	07/24/2020

10	08/28/2020
11	09/11/2020
12	09/18/2020
13	10/02/2020

BOIL0107-001 01/01/2017

	Rates	Fringes
BOILERMAKER		
Boilermaker.....	\$ 35.65	29.89
Small Boiler Repair (under 25,000 lbs/hr).....	\$ 26.91	16.00

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND
VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

BRWI0002-005 06/01/2019

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...	\$ 35.51	23.37

BRWI0003-002 06/03/2019

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019		

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.43	25.10

BRWI0006-002 06/01/2019		

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.06	23.02

BRWI0007-002 06/03/2019		

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.57	24.22

BRWI0008-002 06/01/2019		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.93	24.22

BRWI0009-001 06/03/2019		

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,
AND WINNEBAGO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0011-002 06/03/2019		

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0013-002 06/03/2019		

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

BRWI0019-002 06/03/2019		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

BRWI0021-002 06/03/2019		

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.75	24.02

BRWI0034-002 06/03/2019		

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

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

 CARP2337-003 06/01/2019

	Rates	Fringes
MILLWRIGHT		
Zone A.....	\$ 33.58	21.53
Zone B.....	\$ 33.58	21.53

ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

 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(Wausaukee 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 06/01/2020

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 41.86	22.66

 ELEC0494-005 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 42.84	25.54

ELEC0494-006 06/01/2020

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 36.32	22.51

ELEC0494-013 06/07/2020

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 21.46	18.52
Technician.....	\$ 31.34	20.00

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 06/01/2019

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:.....	\$ 33.15	28.50%+10.00

ELEC0890-003 06/01/2020		

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,
RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.41	25.95%+11.11

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

ENGI0139-001 06/01/2020		

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA
COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 47.66	23.15
Group 2.....	\$ 47.16	23.15
Group 3.....	\$ 46.66	23.15
Group 4.....	\$ 45.97	23.15
Group 5.....	\$ 42.39	23.15
Group 6.....	\$ 37.24	23.15

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, Pedestal Tower Cranes and Derricks with or w/o attachments with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Self-Erecting Tower Cranes over 4000 lbs lifting capacity; All Cranes with Boom Dollies; Boring Machines (directional); Master Mechanic. \$0.50 additional per hour per 100 tons or 100 ft of boom over 200 ft or lifting capacity of crane over 200 tons to a maximum of 300 tons or 300 ft. Thereafter an increase of \$0.01 per ft or ton, whichever is greater.

GROUP 2: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; or Cranes, Tower Cranes Portable Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads and/or jib lengths measuring 175 feet or less; Backhoes (excavators) 130,000 lbs and over; Caisson Rigs; Pile Drivers; Boring Machines (vertical or horizontal), Versi-Lift, Tri-Lift, Gantry 20,000 lbs & over.

GROUP 3: Backhoe (excavator) under 130,000 lbs; Self-erecting Tower Crane 4000 lbs & under lifting capacity; Traveling Crane (bridge type); Skid Rigs; Dredge Operator; Mechanic; Concrete Paver (over 27E); Concrete Spreader and Distributor; Forklift/ Telehandler (machinery- moving / steel erection); Hydro Blaster, 10,000 psi and over

GROUP 4: Material Hoists; Stack Hoists; Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 5 tons or under (tractor or truck mounted); Hoist (tuggers 5 tons & over); Hydro-Excavators/Daylighters; Concrete Pumps Rotec type Conveyors; Tractor/Bulldozer/End Loader (over 40 hp); Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Rotary Drill Operator and Blaster; Percussion Drill Operator; Air Track Drill and/or Hammers; Gantry (under 20,000 lbs); Tencher (wheel type or chain type having 8 inch or larger bucket); Milling Machine; Off-Road Material Haulers.

GROUP 5: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machines (road type); Rubber Tired Roller; Concrete Batch Hopper; Concrete Conveyor Systems; Grout Pumps; Concrete Mixers (14S or over); Screw Type Pumps and

Gypsum Pumps; Tractor, Bulldozer, End Loader (under 40 hp); Trencher (chain type, bucket under 8 inch); Industrial Locomotives; Rollers under 5 tons; Stump Grinder/Chipper (Large); Timber Equipment; Firemen (pile drivers and derricks); Personnel Hoist, Telehandler over 8000 lbs; Robotic Tool Carrier with or without attachments

GROUP 6: Tampers - Compactors (riding type); Assistant Engineer; A-Frames and Winch Trucks; Concrete Auto Breaker; Hydrohammers (small); Brooms and Sweepers; Hoist (tuggers under 5 tons); Boats (Tug, Safety, Work Barges, Launch); Shouldering Machine Operator; Prestress Machines; Screed Operator; Stone Crushers and Screening Plants; Screed Operators (milling machine), Farm or Industrial Tractor Mounted Equipment; Post Hole Digger; Fireman (asphalt plants); Air Compressors over 400 CFM; Generators, over 150 KW; Augers (vertical and horizontal); Air, Electric, Hydraulic Jacks (slipform); Skid Steer Loaders (with or without attachments); Boiler Operators (temporary heat); Refrigeration Plant/Freeze Machines; Power Pack Vibratory/Ultra Sound Drivers and Extractors; Welding Machines; Heaters (mechanical); Pumps; Winches (small electric); Oiler and Greaser; Rotary Drill Tender; Conveyor; Forklifts/Telehandler 8000 lbs & under; Elevators: Automatic Hoists; Pumps (well points); Combination Small Equipment Operators

 ENGI0139-003 06/01/2020

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 42.92	23.15
Group 2.....	\$ 41.67	23.15
Group 3.....	\$ 39.97	23.15
Group 4.....	\$ 39.44	23.15
Group 5.....	\$ 37.37	23.15
Group 6.....	\$ 35.84	23.15

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;
Cranes, Tower Cranes, and Derricks with boom, leads and/or
jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,000 lbs and over;
Cranes, Tower Cranes and Derricks with or without
attachments with a lifting capacity of 100 tons or less;
Cranes, Tower Cranes, and Derricks with boom, leads, and/or
jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs;
Travelling Crane (bridge type); Milling Machine; Concrete
Paver over 27 E; Concrete Spreader and Distributor;
Concrete Laser Screed; Concrete Grinder and Planing
Machine; Slipform Curb and Gutter Machine; Boring Machine
(Directional); Dredge Operator; Skid Rigs; over 46 meter
Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted);
Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or
End Loader (over 40 hp); Motor Patrol; Scraper Operator;
Bituminous Plant and Paver Operator; Screed-Milling
Machine; Roller over 5 tons; Concrete pumps 46 meter and
under; Grout Pumps; Rotec type machine; Hydro Blaster,
10,000 psi and over; Rotary Drill Operator; Percussion
Drilling Machine; Air Track Drill with or without integral
hammer; Blaster; Boring Machine (vertical or horizontal);
Side Boom; Trencher, wheel type or chain type having 8 inch
or larger bucket; Rail Leveling Machine (Railroad); Tie
Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle
Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic
and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp);
Tampers -Compactors, riding type; Stump Chipper, large;
Roller, Rubber Tire; Backfiller; Trencher, chain type
(bucket under 8 inch); Concrete Auto Breaker, large;
Concrete Finishing Machine (road type); Concrete Batch
Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or
over; Pumps, Screw Type and Gypsum); Hydrohammers, small;
Brooms and Sweepers; Lift Slab Machine; Roller under 5
tons; Industrial Locomotives; Fireman (Pile Drivers and
Derricks); Pumps (well points); Hoists, automatic; A-Frames
and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety,
Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial
Tractor mounted equipment; Post Hole Digger; Auger
(vertical and horizontal); Skid Steer Loader with or
without attachments; Robotic Tool Carrier with or without

attachments; Power Pack Vibratory/Ultra Sound Driver and
 Extractor; Fireman (Asphalt Plants); Screed Operator; Stone
 Crushers and Screening Plants; Air, Electric, Hydraulic
 Jacks (Slip Form); Prestress Machines; Air Compressor, 400
 CFM or over; Refrigeration Plant/Freeze Machine; Boiler
 Operators (temporary heat); Forklifts; Welding Machines;
 Generators; Pumps over 3"; Heaters, Mechanical; Combination
 small equipment operator; Winches, small electric; Oiler;
 Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

 IRON0008-002 06/01/2020

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC,
 MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO
 COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 37.31	27.62

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
 Day, Thanksgiving Day & Christmas Day.

 IRON0008-003 06/01/2020

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),
 WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 39.11	27.87

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
 Day, Thanksgiving Day & Christmas Day.

 IRON0383-001 06/01/2020

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.....	\$ 37.10	27.06

IRON0512-008 06/03/2019		

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPPEALEAU COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.60	29.40

IRON0512-021 06/03/2019		

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	29.40

LABO0113-002 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
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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

PLUM0011-003 05/07/2018

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 40.63	20.72

PLUM0075-002 06/01/2016

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 40.27	21.47

PLUM0075-004 06/01/2016

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 40.52	21.47

PLUM0075-009 06/01/2016

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 38.82	20.12

PLUM0111-007 05/28/2018		

MARINETTE COUNTY (Niagara only)

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 33.33	24.48

PLUM0118-002 06/01/2020		

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
Plumber and Steamfitter.....	\$ 43.95	24.35

PLUM0400-003 06/04/2018		

ADAMS, BROWN, CALUMET, DODGE (except Watertown), DOOR, FOND DU LAC, GREEN LAKE, KEWAUNEE, MANITOWOC, MARINETTE (except Niagara), MENOMINEE, OCONTO, OUTAGAMIE, SHAWANO, SHEBOYGAN, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 36.74	19.06

PLUM0434-002 05/31/2020		

BARON, BUFFALO, CHIPPEWA, CLARK, CRAWFORD, DUNN, EAU CLAIRE, FLORENCE, FOREST, GRANT, JACKSON, JUNEAU, LA CROSSE, LANGLADE, LINCOLN, MARATHON, MONROE, ONEIDA, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RUSK, ST. CROIX, TAYLOR, TREMPLEALEAU, VERNON, VILAS, AND WOOD COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 42.70	20.47

PLUM0601-003 06/03/2019		

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, MILWAUKEE,
 OZAUKEE, ROCK, WASHINGTON AND WAUKESHA COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 46.89	25.29

PLUM0601-009 06/04/2017		

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 47.08	20.89

TEAM0039-002 06/01/2020		

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axle Trucks.....	\$ 31.07	22.94
3 or more axles; Euclids or Dumptor, Articulated Truck, Mechanic.....	\$ 31.22	22.94

SUWI2011-001 11/16/2011		

	Rates	Fringes
WELL DRILLER.....	\$ 16.52	

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"



Wisconsin Department of Transportation

October 29, 2020

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:

<p>Proposal #09: 5245-02-72, WISC 2020 533 STH 11 – Mineral Point County Shop Road – Minerva Street STH 23 Lafayette County</p>	<p>5245-02-75 STH 11 – Mineral Point County Shop Road – Minerva Street STH 23 Lafayette County</p>
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Letting of November 10, 2020

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
9	Other Contracts/Work By Others
67	Water Service Replace 1-Inch, Item SPV.0060.33; Type 1 Lead Water Service Replace 1-Inch, Item SPV.0060.34 Type 2 Lead Water Service Replace 1-Inch, Item SPV.0060.35 Water Service Replace 1 ½-Inch, Item SPV.0060.36 Water Service Replace 4-Inch, Item SPV.0060.37 Water Service Replace 6-Inch, Item SPV.0060.38 Water Service New 1-Inch, Item SPV.0060.39 Water Service New 4-Inch, Item 0060.40

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
205.0100	Excavation Common	CY	26,959	1,620	28,579
312.0010	Select Crushed Material	TON	35,102	3,192	38,294
612.0406	Pipe Underdrain Wrapped 6-Inch	LF	1,524	-39	1,485
625.0100	Topsoil	SY	9,557	8,994	18,551
629.0210	Fertilizer Type B	CWT	16	4.50	11.5
630.0120	Seeding Mixture No. 20	LB	25	203	228
630.0140	Seeding Mixture No. 40	LB	5	39	44
630.0500	Seed Water	MGAL	210	30	240
631.0300	Sod Water	MGAL	10	40	50
631.1000	Sod Lawn	SY	288	8,128	8,416
SPV.0035.05	Excavation Waste	CY	23,712	1,679	25,391

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
41	Revised underdrain construction detail to show limits around sag inlets
379-380	Revised earthwork quantity sheets to incorporate potential EBS excavation
382	Revised aggregate summary sheet to account for additional EBS excavation backfill
405-406	Revised underdrain quantity sheets to correct quantities and to show inlet numbers
407	Revised restoration and water quantity tables to show corrected calculations

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
5245-02-72 & 5245-02-75
October 29, 2020

Special Provisions

9. Other Contracts/Work by Others

Replace the 4th paragraph under this section with the following:

Lead and galvanized water services must be replaced to inside buildings, houses, and structures within the Project area. The contractor is responsible to replace existing water service from end of new curb stop to inside their building, house, or structure to the existing water meter. Contractor must coordinate water service replacement with property owner. The following property addresses have, or potentially have, existing lead or galvanized water services:

- 67. Water Service Replace 1-Inch, Item SPV.0060.33;**
Type 1 Lead Water Service Replace 1-Inch, Item SPV.0060.34
Type 2 Lead Water Service Replace 1-Inch, Item SPV.0060.35
Water Service Replace 1 ½-Inch, Item SPV.0060.36
Water Service Replace 4-Inch, Item SPV.0060.37
Water Service Replace 6-Inch, Item SPV.0060.38
Water Service New 1-Inch, Item SPV.0060.39
Water Service New 4-Inch, Item 0060.40

*Replace the 2nd paragraph under section titled **E Payment** with the following:*

Payment for Type 1 and Type 2 Lead Water Service Replacement 1-Inch is full compensation for excavating; trenching; bedding; backfilling; maintaining existing water system service; locating and verifying activity of the existing water service; coring into existing foundation wall; sealing of foundation wall with embeco non-shrink grout; removing and replacing concrete building slab; abandoning inactive existing water services; connection to the proposed water main; furnishing and installing the corporation stop, curb stop, curb box and cover, piping, fittings, concrete blocks, PVC sleeve around curb box in concrete or asphalt area, and accessories; testing; coordinating water service replacement with property owner and City; and for furnishing all tools, labor, materials, equipment, and incidentals necessary to complete the Type 1 and Type 2 Lead Water Service Replacement.

Schedule of Items

Attached, dated October 29, 2020, are the revised Schedule of Items Pages 2, 3, 9 – 11, and 17.

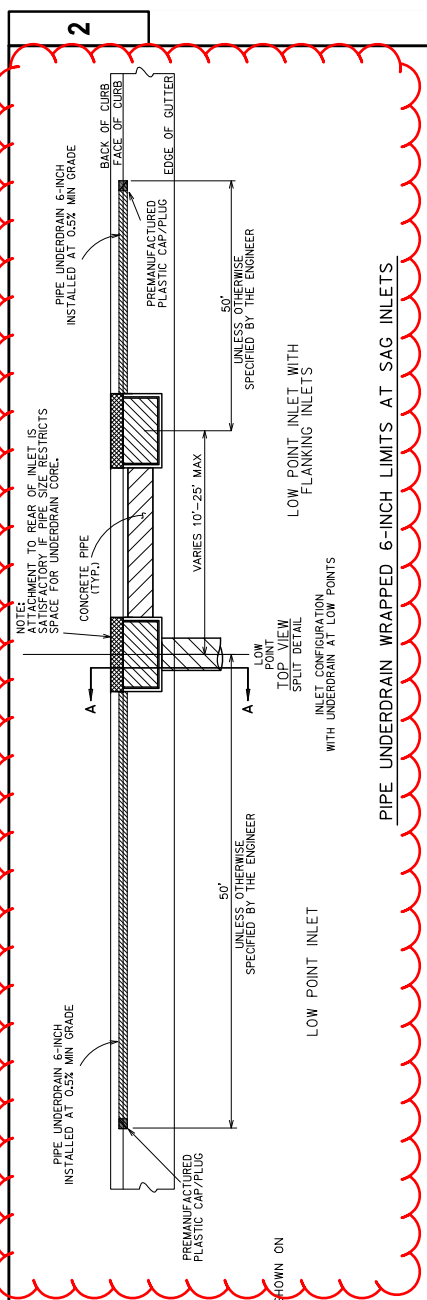
Plan Sheets

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

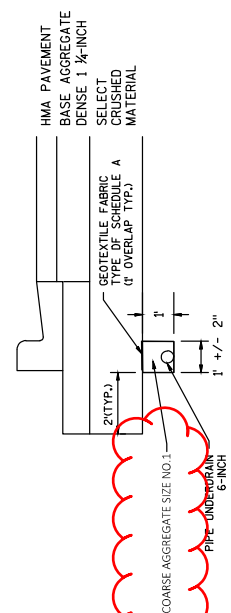
Revised: 41, 379, 380, 382, 405, 406, and 407

Added: None

END OF ADDENDUM



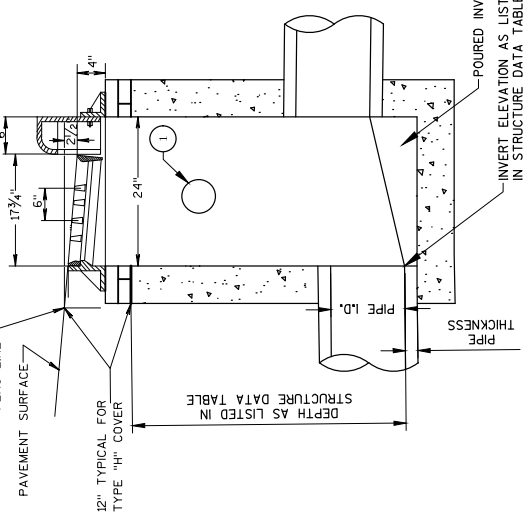
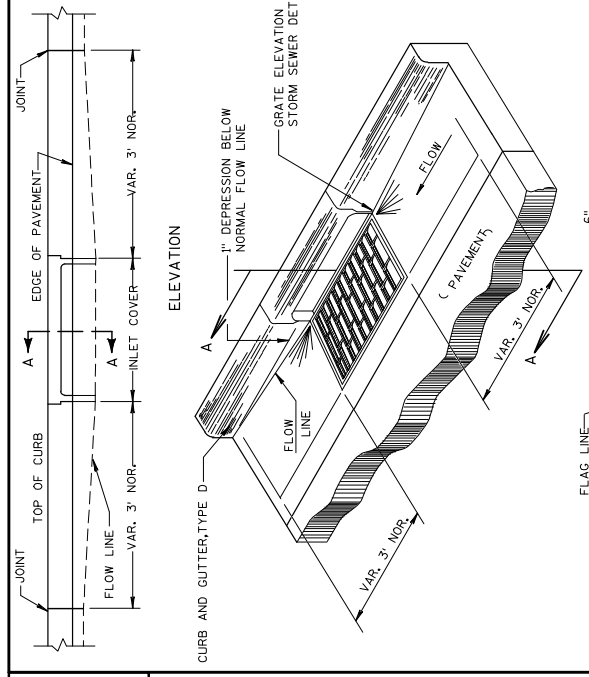
PIPE UNDERDRAIN WRAPPED 6-INCH LIMITS AT SAG INLETS



PIPE UNDERDRAIN WRAPPED 6-INCH DETAIL

Addendum No. 01
ID 5245-02-72
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1 PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE FABRIC TYPE OF SCHEDULE A AND BACKFILL COARSE AGGREGATE SIZE NO. 1. SEE "PIPE UNDERDRAIN 6-INCH DETAIL" AND MISCELLANEOUS QUANTITIES FOR LOCATIONS AND ADDITIONAL INFORMATION.



SECTION A-A
DETAIL OF CURB AND GUTTER AT INLETS AT SAG LOCATIONS
(INLET TYPE 2X3-H SHOWN)

DIVISION	FROM/TO STATION	CATEGORY	UNUSABLE PAVEMENT		205.0100 COMMON EXCAVATION		205.0200 ROCK EXCAVATION (7)	EXPANDED ROCK		UNEXPANDED FILL	EXPANDED FILL		MASS ORDINATE +/- (14)	SPV.0035.05 EXCAVATION WASTE
			CUT (2)	EBS EXCAVATION (3)	AVAILABLE MATERIAL (5)	EXPANDED ROCK (12)		FACTOR 1.10	EXPANDED FILL (13)		FACTOR 1.67			
Division 25 w Harriet St	10+96.51/11+43.47	0010	210	0	187	0	0	0	0	0	0	0	187	187
Division 25 Subtotal			210	0	187	0	0	0	0	0	0	0	187	187
Division 26 Washington St	10+00/10+86.92	0010	141	0	131	0	0	0	0	0	0	0	131	131
Division 26 Subtotal			141	0	131	0	0	0	0	0	0	0	131	131
Division 27 Wisconsin St	9+53.44/09+70.96	0010	84	0	73	0	0	0	0	0	0	0	73	73
Division 27 Subtotal			84	0	73	0	0	0	0	0	0	0	73	73
Division 28 NB Downtown	51+25/71+65.03	0010	5,138	260	3,405	0	0	0	5	9	3,396	3,396	3,396	3,396
Division 28 Subtotal			5,138	260	3,405	0	0	0	5	9	3,396	3,396	3,396	3,396
Division 30 SB Downtown	51+25/71+65.03	0010	5,848	290	2,939	0	0	0	31	52	2,887	2,887	2,887	2,887
Division 30 Subtotal			5,848	290	2,939	0	0	0	31	52	2,887	2,887	2,887	2,887
Division 32 South Mainline	06+55.97/49+65.97	0010	15,654	780	12,811	19	21	21	1,394	2,293	10,518	10,518	10,518	10,518
Division 32 Subtotal			15,654	780	12,811	19	21	21	1,394	2,293	10,518	10,518	10,518	10,518
Division 34 North Mainline 1	71+00/74+33.41	0010	1,467	70	1,381	0	0	0	0	0	1,381	1,381	1,381	1,381
Division 34 Subtotal			1,467	70	1,381	0	0	0	0	0	1,381	1,381	1,381	1,381
Division 35 North Mainline 2	74+59.95/84+05	0010	2,180	110	1,947	0	0	0	350	585	1,363	1,363	1,363	1,363
Division 35 Subtotal			2,180	110	1,947	0	0	0	350	585	1,363	1,363	1,363	1,363
CATEGORY SUBTOTAL			30,723	1,510	22,875	19	21	21	1,780	2,938	19,937	19,937	19,937	19,937
CATEGORY TOTAL			35,318	1,510	26,659	19	21	21	1,930	3,188	23,471	23,471	23,471	23,471

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DIVISION	FROM/TO STATION	CATEGORY	EBS EXCAVATION		UNUSABLE PAVEMENT	205.0100 COMMON EXCAVATION		205.0200 ROCK EXCAVATION (7)	EXPANDED ROCK (12)		UNEXPANDED FILL	EXPANDED FILL (13)		MASS ORDINATE +/- (14)	SPV.0035.05 EXCAVATION WASTE
			CUT (2)	(3)		AVAILABLE MATERIAL (5)	FACTOR 1.10		FACTOR 1.67						
Division 29 NB Parking Lanes	51+25/71+65.03	0020	991	50	783	257	0	0	0	0	0	0	257	257	
Division 29 Subtotal			991	50	783	257	0	0	0	0	0	0	257	257	
Division 31 SB Parking Lanes	51+25/71+65.03	0020	1,040	50	740	350	0	0	0	0	0	0	350	350	
Division 31 Subtotal			1,040	50	740	350	0	0	0	0	0	0	350	350	
Division 33 South Parking Lanes	06+55.97/49+65.97	0020	1,450	70	626	893	0	0	0	0	0	0	893	893	
Division 33 Subtotal			1,450	70	626	893	0	0	0	0	0	0	893	893	
CATEGORY TOTAL			3,481	170	2,150	1,500	0	0	0	0	0	0	1,500	1,500	
PROJECT TOTAL						28,160								24,972	

NOTES:

- (1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
- (2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
- (3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
- (4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
- (5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
- (6) MARSH EXCAVATION - TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL. ITEM NUMBER 205.0500
- (7) ROCK EXCAVATION ITEM NUMBER 205.0200
- (8) REDUCED MARSH IN FILL - EXCAVATED MARSH MATERIAL IS USABLE IN FILLS OUTSIDE THE 1:1 SLOPE.
- (9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USABLE IN FILLS OUTSIDE THE 1:1 SLOPE.
- (10) EXPANDED MARSH BACKFILL - THIS IS TO BE FILLED WITH CUT MATERIAL OR OTHER SUITABLE MATERIAL AS DIRECTED BY THE ENGINEER.
- (11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH CUT MATERIAL OR OTHER SUITABLE MATERIAL AS DIRECTED BY THE ENGINEER.
- (12) EXPANDED ROCK FACTOR = 1.10.
- (13) EXPANDED FILL FACTOR = 1.67.
- (14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
- (15) ADDITIONAL COMMON EXCAVATION QUANTITIES ARE ALSO SHOWN ELSEWHERE IN THE PLAN

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AGGREGATES SUMMARY

CATEGORY	ALIGNMENT	STATION	STATION	LOCATION	305.0110		305.0120		312.0110		REMARKS
					BASE AGGREGATE DENSE 3/4-INCH	TON	BASE AGGREGATE DENSE 1 1/4-INCH	TON	SELECT CRUSHED MATERIAL	TON	
0010	NB	6+56	8+00	STH 23	12	--	--	--	--	--	
0010	NB	8+00	16+05	STH 23	75	1602	1602	--	--	--	
0010	NB	16+05	20+78	STH 23	--	1438	1438	2185	2185	9	
0010	NB	20+78	37+00	STH 23	--	4981	4981	7431	7431	939	
0010	NB	37+00	49+67	STH 23	--	3964	3964	5280	5280	572	
0010	NB	51+14	58+00	STH 23	--	--	--	--	--	539	
0010	NB	58+00	64+45	STH 23	--	246	246	90	90	391	
0010	NB	64+45	70+79	STH 23	--	331	331	217	217	288	
0010	NB	70+79	78+69	STH 23	--	153	153	233	233	496	
0010	NB	78+69	83+28	STH 23	--	120	120	94	94	382	
0010	NB	83+28	88+00	STH 23	--	134	134	95	95	242	
0010	NB	88+00	94+00	STH 23	--	109	109	126	126	36	
0010	NB	94+00	100+00	STH 23	--	87	87	101	101	--	
0010	NB	100+00	106+00	STH 23	--	48	48	72	72	--	
0010	NB	106+00	112+00	STH 23	8	253	253	139	139	38	
0010	NB	112+00	118+00	STH 23	--	79	79	120	120	--	
0010	NB	118+00	124+00	STH 23	--	1570	1570	1923	1923	--	
0010	NB	124+00	130+00	STH 23	--	1519	1519	1813	1813	--	
0010	NB	130+00	136+00	STH 23	--	1152	1152	1664	1664	--	
0010	NB	136+00	142+00	STH 23	--	79	79	69	69	--	
0010	NB	142+00	148+00	STH 23	--	61	61	52	52	--	
0010	NB	148+00	154+00	STH 23	--	137	137	133	133	--	
0010	NB	154+00	160+00	STH 23	--	60	60	37	37	--	
0010	NB	160+00	166+00	STH 23	--	55	55	52	52	--	
0010	NB	166+00	172+00	STH 23	--	71	71	42	42	--	
0010	NB	172+00	178+00	STH 23	--	1475	1475	1783	1783	--	
0010	NB	178+00	184+00	STH 23	--	1537	1537	1840	1840	--	
0010	NB	184+00	190+00	STH 23	--	1363	1363	1966	1966	--	
0010	NB	190+00	196+00	STH 23	--	91	91	47	47	--	
0010	NB	196+00	202+00	STH 23	--	281	281	50	50	--	
0010	NB	202+00	208+00	STH 23	--	71	71	47	47	--	
0010	NB	208+00	214+00	STH 23	--	66	66	54	54	--	
0010	NB	214+00	220+00	STH 23	--	46	46	52	52	--	
0010	NB	220+00	226+00	STH 23	--	1146	1146	1659	1659	--	
0010	NB	226+00	232+00	STH 23	--	1185	1185	1740	1740	--	
0010	NB	232+00	238+00	STH 23	84	267	267	--	--	--	
0010	NB	238+00	244+00	STH 23	--	251	251	--	--	--	
0010	NB	244+00	250+00	STH 23	8	650	650	--	--	--	
0010	NB	250+00	256+00	STH 23	--	--	--	2869	2869	--	
0010	NB	256+00	262+00	STH 23	--	--	--	--	--	--	
					CATEGORY TOTAL	197	26,677	34,077	34,077	2869	

CATEGORY	ALIGNMENT	STATION	STATION	LOCATION	305.0110		305.0120		312.0110		REMARKS
					BASE AGGREGATE DENSE 3/4-INCH	TON	BASE AGGREGATE DENSE 1 1/4-INCH	TON	SELECT CRUSHED MATERIAL	TON	
0020	NB	6+56	8+00	STH 23	--	--	--	--	--	--	
0020	NB	8+00	16+05	STH 23	--	--	--	--	--	--	
0020	NB	16+05	20+78	STH 23	--	--	--	--	--	--	
0020	NB	20+78	37+00	STH 23	--	--	6	6	9	9	
0020	NB	37+00	49+67	STH 23	--	--	590	590	939	939	
0020	NB	49+67	58+00	STH 23	--	--	505	505	572	572	
0020	NB	58+00	64+45	STH 23	--	--	450	450	539	539	
0020	NB	64+45	70+79	STH 23	--	--	434	434	391	391	
0020	NB	70+79	78+69	STH 23	--	--	229	229	288	288	
0020	NB	78+69	83+28	STH 23	--	--	425	425	496	496	
0020	NB	83+28	88+00	STH 23	--	--	455	455	382	382	
0020	NB	88+00	94+00	STH 23	--	--	231	231	242	242	
0020	NB	94+00	100+00	STH 23	--	--	14	14	36	36	
0020	NB	100+00	106+00	STH 23	--	--	38	38	--	--	
0020	NB	106+00	112+00	STH 23	--	--	5	5	--	--	
0020	NB	112+00	118+00	STH 23	--	--	--	--	323	323	
					CATEGORY TOTAL	0	3,382	4,217	4,217	4,217	
					PROJECT TOTAL	197	30,059	38,294	38,294	38,294	

BACKFILL FOR EBS

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Revised Sheet 382
October 29, 2020

PIPE UNDERDRAIN SUMMARY

612.0206 PIPE UNDERDRAIN (6-INCH) UNPERFORATED WITH GEOTEXTILE FABRIC AND AGGREGATE				612.0206 PIPE UNDERDRAIN (6-INCH) UNPERFORATED WITH GEOTEXTILE FABRIC AND AGGREGATE				SPV.0090.01							
CAT	ALI	STA	LOCATION	STA	LOCATION	LF	REMARKS	CAT	ALI	STA	LOCATION	LF	REMARKS		
0010	NB	19+15	LT	19+65	LT	50	INLET 301	0010	NB	39+25	RT	50	INLET 333		
0010	NB	19+68	LT	19+79	LT	28	INLET 301	0010	NB	39+78	RT	50	INLET 333		
0010	NB	19+15	RT	19+65	RT	50	INLET 300	0010	NB	40+42	LT	6			
0010	NB	20+33	LT	20+68	LT	39	INLET 303	0010	NB	40+33	LT	50	INLET 334		
0010	NB	21+26	LT	21+76	LT	50	INLET 408	0010	NB	41+97	LT	50	INLET 335		
0010	NB	23+60	LT		LT	6		0010	NB	42+50	LT	38	INLET 335		
0010	NB	22+30	LT	25+02	LT	273	INLET 308	0010	NB	42+29	RT	50	INLET 336		
0010	NB	23+40	RT	23+90	RT	50	INLET 306	0010	NB	42+92	RT	50	INLET 337		
0010	NB	25+37	RT	25+87	RT	50	INLET 309	0010	RAV	9+39	LT	7	INLET 338		
0010	NB	25+99	RT	26+45	RT	50	INLET 310	0010	RAV/NB	9+56	LT/LT	31	INLET 340		
0010	NB	26+85	RT	27+16	RT	50	INLET 312	0010	NB	43+26	LT	50	INLET 340		
0010	NB	26+37	LT		LT	7		0010	NB	44+98	RT	50	INLET 343		
0010	NB	26+92	LT		LT	7		0010	NB	45+60	RT	50	INLET 344		
0010	NB	27+49	LT		LT	6		0010	NB	45+09	LT	50	INLET 345		
0010	NB	26+37	LT	28+53	LT	212	INLET 315	0010	NB	46+24	RT	50	INLET 346		
0010	NB	28+56	LT	29+00	LT	44	INLET 315	0010	MS/NB	9+58	LT/LT	37	INLET 347		
0010	NB	28+03	RT	28+53	RT	50	INLET 314	0010	NB	46+24	LT	50	INLET 347		
0010	NB	10+47	RT	10+86	RT	35	INLET 316	0010	NB	47+83	LT	50	INLET 349		
0010	NB	29+45	LT	29+73	LT	28	INLET 320	0010	NB	48+37	LT	50	INLET 350		
0010	NB	29+22	RT	29+72	RT	50	INLET 318	0010	NB	47+83	RT	50	INLET 352		
0010	NB	29+77	RT	30+27	RT	50	INLET 318	0010	NB	48+37	RT	50	INLET 352		
0010	NB	31+95	LT	32+45	LT	50	INLET 321	0010	NB/RVR	48+87	RT/RT	50	INLET 355		
0010	NB	32+57	LT	32+72	LT	30	INLET 323	0010	NB	51+84	RT	50	INLET 357		
0010	NB	32+04	RT	32+54	RT	50	INLET 322	0010	NB	52+46	RT	50	INLET 358		
0010	NB	9+46	LT	9+66	LT	23	INLET 324	0010	NB-SB	51+20	LT	50	INLET 360		
0010	NB	33+96	LT		LT	6		0010	NB-SB	52+35	LT	50	INLET 361		
0010	NB	34+34	RT	34+84	RT	50	INLET 326	0010	NB/ALI	53+65	RT/RT	50	INLET 362		
0010	NB	34+62	LT		LT	6		0010	NB	54+51	RT	31	INLET 364		
0010	NB	33+96	LT	34+83	LT	90	INLET 327	0010	NB	54+77	RT	50	INLET 364		
0010	NB	35+31	LT		LT	6		0010	ALI	10+80	LT/LT	50	INLET 365		
0010	NB	35+45	RT	35+95	RT	50	INLET 329	0010	NB	54+72	LT	50	INLET 365		
0010	NB/HL	35+98	RT/RT	10+56	RT/RT	43	INLET 328	0010	ANN	10+17	LT	50	INLET 366		
0010	AL	10+44	LT	10+62	LT	19	INLET 330	0010	ANN	10+08	RT	45	INLET 367		
0010	HL/NB	10+40	LT/RT	36+75	LT/RT	50	INLET 330	0010	ANN	10+56	RT	50	INLET 367		
0010	NB	35+31	LT	36+39	LT	99	INLET 331	0010	NB/ANN	58+05	LT/LT	45	INLET 369		
0010	NB	37+77	LT	37+79	LT	8	INLET 332	0010	NB	58+08	LT	50	INLET 368		
0010	NB	37+28	LT	37+78	LT	50	INLET 332	0010	NB-SB	58+10	RT	50	INLET 369		
SUBTOTAL				52				SUBTOTAL				6			
				1,763								1,684			

PIPE UNDERDRAIN SUMMARY CONTINUED

612.0206

SPV. 0090.01

612.0406

PIPE UNDERDRAIN UNPERFORATED 6-INCH	PIPE UNDERDRAIN (6-INCH) UNPERFORATED WITH GEOTEXTILE FABRIC AND AGGREGATE	PIPE UNDERDRAIN WRAPPED 6-INCH
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CAT	ALI	STA	STA	LOCATION	LF	REMARKS	CAT	ALI	STA	STA	LOCATION	LF	REMARKS	
0010	NB/LSA	60+46	- 10+92	LT/RT	45	INLET 374	0060	NB	21+26	- 22+30	LT	111		
0010	NB	61+35	- 61+85	RT	50	INLET 370	0060	NB	22+56	- 23+16	LT	66		
0010	NB-SB	61+35	- 61+85	LT	50	INLET 375	0060	NB	23+36	- 23+60	LT	24		
0010	CR/NB	12+11	- 64+52	LT/RT	36	INLET 378	0060	NB	23+60		LT	5		
0010	NB	64+56	- 65+06	RT	50	INLET 378	0060	NB	23+68	- 25+02	LT	143		
0010	NB-SB	65+62	- 66+12	LT	50	INLET 380	0060	NB	25+25	- 26+37	LT	112		
0010	NB-SB	64+58	- 64+80	RT	50	INLET 379	0060	NB	23+60		LT	5		
0010	NB-SB	64+62	- 65+12	RT	50	INLET 379	0060	NB	26+45	- 26+92	LT	52		
0010	CR/NB	10+90	- 67+81	LT/RT	36	INLET 386	0060	NB	26+92		LT	5		
0010	NB	67+85	- 68+35	RT	50	INLET 384	0060	NB	27+00	- 27+49	LT	55		
0010	CR/NB	12+03	- 67+82	LT/LT	32	INLET 384	0060	NB	27+49		LT	5		
0010	NB-SB	67+83	- 68+33	LT	50	INLET 386	0060	NB	27+64	- 28+76	LT	117		
0010	NB-SB	67+90	- 68+10	RT	50	INLET 385	0060	NB	33+19	- 33+96	LT	77		
0010	NB-SB	67+94	- 68+44	RT	50	INLET 387	0060	NB	33+96		LT	5		
0010	NB-SB	69+60	- 70+08	RT	50	INLET 388	0060	NB	34+02	- 34+62	LT	65		
0010	NB-SB	69+74	- 70+24	LT	50	INLET 389	0060	NB	34+62		LT	5		
0010	NB	70+28	- 71+61	LT/LT	50	INLET 389	0060	NB	34+70	- 35+31	LT	66		
0010	NB	70+07	- 70+57	RT	50	INLET 390	0060	NB	35+31		LT	5		
0010	HE	10+31	- 10+55	RT	25	INLET 390	0060	NB	35+39	- 37+77	LT	224		
0010	NB	72+33	- 72+79	RT	50	INLET 393	0060	NB	37+77		LT	5		
0010	NB	72+83	- 73+85	RT	131	INLET 394	0060	NB	37+86	- 38+75	LT	92		
0010	NB	75+54	- 76+04	LT	50	INLET 396	0060	NB	38+75		LT	5		
0010	NB	76+79	- 77+29	LT	50	INLET 397	0060	NB	38+75	- 38+82	LT	8		
0010	NB	76+79	- 77+29	RT	50	INLET 398	0060	NB	38+82		LT	5		
0010	MRY	77+32	- 12+10	RT/RT	50	INLET 398	0060	NB	38+82	- 40+42	LT	160		
0010	MRY	11+91	- 12+41	LT	50	INLET 399.3	0060	NB	40+42		LT	5		
0010	NB	77+98	- 78+48	LT	50	INLET 399.4	0060	NB	40+51	- 40+85	LT	58		
SUBTOTAL					0	1,355						TOTAL	1,485	
TOTAL					58	4,802								

Addendum No. 01
 ID 5245-02-72
 Revised Sheet 406
 October 29, 2020

TOTAL
1,485

TEMPORARY STORM SEWER SUMMARY

CATEGORY	STATION	STATION	OFFSET	OFFSET	LF	STORM SEWER PIPE CLASS III-A 12-INCH	ABANDONING STORM PIPE	CY	COVERING STORM SEWER	EACH	REMARKS
0010	60+55.35	3.5' LT							1		STAGE 2
0010	64+03.64	7.4' LT							1		STAGE 2
0010	64+58.31 - 64+44.92	1.8' LT - 9.7' LT			16						STAGE 2
0010	67+32.41	10.0' LT							1		STAGE 2
0010	67+90.32 - 67+80.85	0.9' LT - 18.5' LT			17						STAGE 2
0010	70+45.00	10.0' LT							2		STAGE 2
0010	61+01.13	23.5' RT					5.3				STAGE 3
TOTAL					33		5.3		5		

WATER SUMMARY

CATEGORY	STATION	WATER	SEED WATER	SOD WATER	REMARKS
0010	624.0100	150			
	630.0500	110			
	631.0500		240		
CATEGORY TOTAL		260	240	50	
0020		20			
		20			
CATEGORY TOTAL		40	0	0	
TOTAL		300	240	50	

RESTORATION SUMMARY

ALIGNMENT	STATION	STATION	STATION	LOCATION	TOPSOIL	MULCHING	EROSTON MAT URBAN CLASS I TYPE A	FERTILIZER TYPE B	SEEDING MIXTURE NO. 20	SEEDING MIXTURE NO. 40	SEEDING MIXTURE NO. 75	SOD LANN	REMARKS
NB	6+56	16+05	16+05	STH 23 RT	963	963	--	0.6	26	--	--	--	
NB	16+05	20+50	20+50	STH 23 RT	1097	--	1097	0.7	30	--	--	--	
NB	20+50	26+85	26+85	STH 23 RT	856	--	--	0.5	--	--	856	--	
NB	26+85	36+27	36+27	STH 23 RT	769	--	--	0.5	--	--	769	--	
NB	36+27	49+35	49+35	STH 23 RT	1128	--	--	0.7	--	--	1128	--	
NB	49+35	64+15	64+15	STH 23 RT	70	--	25	0.0	--	1	45	--	
NB	64+15	67+45	67+45	STH 23 RT & MEDIAN	868	--	--	0.5	--	--	868	--	
NB	67+45	70+75	70+75	STH 23 RT & MEDIAN	640	--	--	0.4	--	--	640	--	
NB	70+75	77+65	77+65	STH 23 RT	583	--	--	0.4	--	--	583	--	
NB	77+65	80+50	80+50	STH 23 RT	598	--	--	0.4	--	--	598	--	
NB	80+50	83+95	83+95	STH 23 RT	1128	--	927	0.7	25	--	201	--	
NB	12+25	16+05	16+05	STH 23 LT	571	571	--	0.4	15	--	--	--	
NB	16+05	20+00	20+00	STH 23 LT	530	--	530	0.3	14	--	--	--	
NB	20+00	28+90	28+90	STH 23 LT	1665	--	1665	1.0	45	--	--	--	
NB	28+90	32+92	32+92	STH 23 LT	295	--	--	0.2	--	--	295	--	
NB	32+92	42+94	42+94	STH 23 LT	1443	--	1317	0.9	36	--	126	--	
NB	42+94	45+85	45+85	STH 23 LT	131	--	--	0.1	--	--	131	--	
NB	45+85	49+08	49+08	STH 23 LT	203	--	--	0.1	--	--	203	--	
NB	49+08	64+15	64+15	STH 23 LT	665	--	590	0.4	16	11	75	--	USE NO. 75 BY RIVER
NB	64+15	67+45	67+45	STH 23 LT	269	--	--	0.2	--	--	269	--	
NB	67+45	70+75	70+75	STH 23 LT	196	--	--	0.1	--	--	196	--	
NB	70+75	77+65	77+65	STH 23 LT	536	--	--	0.3	--	--	536	--	
NB	77+65	84+50	84+50	STH 23 LT	1657	280	1530	1.0	28	4	127	--	
TOTAL					18,551	1,814	8,514	11.5	228	44	1	8,416	

Addendum No. 01
ID 5245-02-72
Revised Sheet 407
October 29, 2020



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0034	204.0220 Removing Inlets	66.000 EACH	_____.	_____.
0036	204.0245 Removing Storm Sewer (size) 01. 8-IN	33.000 LF	_____.	_____.
0038	204.0245 Removing Storm Sewer (size) 02. 12-IN	2,114.000 LF	_____.	_____.
0040	204.0245 Removing Storm Sewer (size) 03. 15-IN	328.000 LF	_____.	_____.
0042	204.0245 Removing Storm Sewer (size) 04. 18-IN	1,218.000 LF	_____.	_____.
0044	204.0245 Removing Storm Sewer (size) 05. 19x30-Inch HE	65.000 LF	_____.	_____.
0046	204.0245 Removing Storm Sewer (size) 06. 21-IN	14.000 LF	_____.	_____.
0048	204.0245 Removing Storm Sewer (size) 07. 24x38-Inch HE	29.000 LF	_____.	_____.
0050	204.0245 Removing Storm Sewer (size) 08. 24-IN	688.000 LF	_____.	_____.
0052	204.0245 Removing Storm Sewer (size) 09. 30-IN	1,057.000 LF	_____.	_____.
0054	204.0245 Removing Storm Sewer (size) 10. 36-IN	1,509.000 LF	_____.	_____.
0056	204.0245 Removing Storm Sewer (size) 11. 42-IN	254.000 LF	_____.	_____.
0058	204.0245 Removing Storm Sewer (size) 12. 48-IN	407.000 LF	_____.	_____.
0060	204.0291.S Abandoning Sewer	180.000 CY	_____.	_____.
0062	204.9090.S Removing (item description) 01. Removing or Abandoning Conduit	1,700.000 LF	_____.	_____.
0064	205.0100 Excavation Common	28,579.000 CY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0066	205.0200 Excavation Rock	19.000 CY	_____.	_____.
0068	206.1000 Excavation for Structures Bridges (structure) 01. B-33-7	LS	LUMP SUM	_____.
0070	206.2000 Excavation for Structures Culverts (structure) 01. C-33-1	LS	LUMP SUM	_____.
0072	210.1500 Backfill Structure Type A	252.000 TON	_____.	_____.
0074	210.2500 Backfill Structure Type B	171.000 TON	_____.	_____.
0076	213.0100 Finishing Roadway (project) 01. 5245-02-72	1.000 EACH	_____.	_____.
0078	214.0100 Obliterating Old Road	5.000 STA	_____.	_____.
0080	305.0110 Base Aggregate Dense 3/4-Inch	197.000 TON	_____.	_____.
0082	305.0120 Base Aggregate Dense 1 1/4-Inch	30,059.000 TON	_____.	_____.
0084	311.0110 Breaker Run	34.000 TON	_____.	_____.
0086	312.0110 Select Crushed Material	38,294.000 TON	_____.	_____.
0088	405.1000 Stamping Colored Concrete	85.000 CY	_____.	_____.
0090	415.0410 Concrete Pavement Approach Slab	223.000 SY	_____.	_____.
0092	416.0160 Concrete Driveway 6-Inch	164.000 SY	_____.	_____.
0094	416.0170 Concrete Driveway 7-Inch	466.000 SY	_____.	_____.
0096	416.0260 Concrete Driveway HES 6-Inch	786.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0248	611.8110 Adjusting Manhole Covers	42.000 EACH	_____.	_____.
0250	611.9800.S Pipe Grates	1.000 EACH	_____.	_____.
0252	612.0206 Pipe Underdrain Unperforated 6-Inch	58.000 LF	_____.	_____.
0254	612.0406 Pipe Underdrain Wrapped 6-Inch	1,485.000 LF	_____.	_____.
0256	612.0902.S Insulation Board Polystyrene (inch) 01.2-Inch	25.000 SY	_____.	_____.
0258	614.2300 MGS Guardrail 3	150.000 LF	_____.	_____.
0260	614.2330 MGS Guardrail 3 K	662.500 LF	_____.	_____.
0262	614.2350 MGS Guardrail Short Radius	69.500 LF	_____.	_____.
0264	614.2500 MGS Thrie Beam Transition	39.000 LF	_____.	_____.
0266	614.2610 MGS Guardrail Terminal EAT	8.000 EACH	_____.	_____.
0268	614.2630 MGS Guardrail Short Radius Terminal	1.000 EACH	_____.	_____.
0270	616.0700.S Fence Safety	1,506.000 LF	_____.	_____.
0272	619.1000 Mobilization	1.000 EACH	_____.	_____.
0274	620.0100 Concrete Corrugated Median	250.000 SF	_____.	_____.
0276	620.0300 Concrete Median Sloped Nose	57.000 SF	_____.	_____.
0278	624.0100 Water	300.000 MGAL	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0280	625.0100 Topsoil	18,551.000 SY	_____.	_____.
0282	625.0105 Topsoil	65.000 CY	_____.	_____.
0284	627.0200 Mulching	1,814.000 SY	_____.	_____.
0286	628.1104 Erosion Bales	40.000 EACH	_____.	_____.
0288	628.1504 Silt Fence	2,967.000 LF	_____.	_____.
0290	628.1520 Silt Fence Maintenance	2,967.000 LF	_____.	_____.
0292	628.1905 Mobilizations Erosion Control	5.000 EACH	_____.	_____.
0294	628.1910 Mobilizations Emergency Erosion Control	5.000 EACH	_____.	_____.
0296	628.2006 Erosion Mat Urban Class I Type A	8,514.000 SY	_____.	_____.
0298	628.7015 Inlet Protection Type C	131.000 EACH	_____.	_____.
0300	628.7020 Inlet Protection Type D	3.000 EACH	_____.	_____.
0302	628.7504 Temporary Ditch Checks	10.000 LF	_____.	_____.
0304	628.7555 Culvert Pipe Checks	5.000 EACH	_____.	_____.
0306	628.7570 Rock Bags	88.000 EACH	_____.	_____.
0308	629.0210 Fertilizer Type B	11.500 CWT	_____.	_____.
0310	630.0120 Seeding Mixture No. 20	228.000 LB	_____.	_____.
0312	630.0140 Seeding Mixture No. 40	44.000 LB	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0314	630.0175 Seeding Mixture No. 75	1.000 LB	_____.	_____.
0316	630.0500 Seed Water	240.000 MGAL	_____.	_____.
0318	631.0300 Sod Water	50.000 MGAL	_____.	_____.
0320	631.1000 Sod Lawn	8,416.000 SY	_____.	_____.
0322	632.0101 Trees (species) (size) (root) 01. Quercus Robur, B&B, 2-Inch	5.000 EACH	_____.	_____.
0324	632.0101 Trees (species) (size) (root) 02. Malus X, B&B, 2-Inch	3.000 EACH	_____.	_____.
0326	632.0101 Trees (species) (size) (root) 03. Gleditsia Triacanthos, B&B, 2-Inch	4.000 EACH	_____.	_____.
0328	632.0101 Trees (species) (size) (root) 04. Gkinkgo Biloba, B&B, 2-Inch	3.000 EACH	_____.	_____.
0330	632.0101 Trees (species) (size) (root) 05. Celtis Occidentalis, B&B, 2-Inch	2.000 EACH	_____.	_____.
0332	632.0101 Trees (species) (size) (root) 06. Syringa Reticulata, B&B, 2-Inch	1.000 EACH	_____.	_____.
0334	632.0201 Shrubs (species) (size) (root) 01. Juniperus Horizontalis, Container, 3 Gal	40.000 EACH	_____.	_____.
0336	632.9101 Landscape Planting Surveillance and Care Cycles	16.000 EACH	_____.	_____.
0338	634.0612 Posts Wood 4x6-Inch X 12-FT	7.000 EACH	_____.	_____.
0340	634.0614 Posts Wood 4x6-Inch X 14-FT	10.000 EACH	_____.	_____.
0342	634.0616 Posts Wood 4x6-Inch X 16-FT	12.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201110009 Project(s): 5245-02-72, 5245-02-75

Federal ID(s): WISC 2020533, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0502	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	3,200.000 HRS	5.00000	16,000.00
0504	SPV.0035 Special 01. Shredded Bark Mulch	12.000 CY	_____.	_____.
0506	SPV.0035 Special 02. Exc, Seg, Hauling, and Disp of Cont Soil and the Mgmt of Cont Groundwater	822.000 CY	_____.	_____.
0508	SPV.0035 Special 03. Abandoning Storm Pipe Special	5.300 CY	_____.	_____.
0510	SPV.0035 Special 04. Utility Rock Excavation	126.000 CY	_____.	_____.
0512	SPV.0035 Special 05. Excavation Waste	25,391.000 CY	_____.	_____.
0514	SPV.0060 Special 01. Covering Storm Sewer	5.000 EACH	_____.	_____.
0516	SPV.0060 Special 02. Perennials (Achillea X, Container, 1 Gal)	20.000 EACH	_____.	_____.
0518	SPV.0060 Special 03. Perennials (Allium X, Container, 1 Gal)	142.000 EACH	_____.	_____.
0520	SPV.0060 Special 04. Perennials (Stella de Oro, Container, 1 Gal)	84.000 EACH	_____.	_____.
0522	SPV.0060 Special 05. Perennials (Panicum Virgatum, Container, 1 Gal)	24.000 EACH	_____.	_____.
0524	SPV.0060 Special 06. Bench	5.000 EACH	_____.	_____.
0526	SPV.0060 Special 07. Abandon Window Well-307 Main Street	1.000 EACH	_____.	_____.
0528	SPV.0060 Special 08. Abandon Window Well-324 Main Street	1.000 EACH	_____.	_____.