

HIGHWAY WORK PROPOSAL

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

Proposal Number: **031**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Marathon	6999-09-72	WISC 2024256	C Wausau, Stewart Avenue; S 72nd Avenue to S 48th Avenue	LOC STR

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: \$100,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: February 13, 2024 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code
Contract Completion Time October 25, 2024	SAMPLE NOT FOR BIDDING PURPOSES This contract is exempt from federal oversight.
Assigned Disadvantaged Business Enterprise Goal 4%	

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

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

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)

(Bidder Signature)

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

(Print or Type Bidder Name)

(Date Commission Expires)

(Bidder Title)

Notary Seal

Type of Work:		For Department Use Only	
Grading, Base, Milling, Concrete Pavement, Asphalt Pavement, Culvert Pipe, Precast Box Culvert Extension, Storm Sewer, Curb and Gutter, Sidewalk, Concrete Driveway, Signs, Pavement Markings, Traffic Signals, Street Lighting, Sanitary Sewer, Water Main.			
Notice of Award Dated		Date Guaranty Returned	

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

BID PREPARATION

Preparing the Proposal Schedule of Items

A. General

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

<https://wisconsin.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://wisconsin.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

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

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

B. Submitting Electronic Bids

B.1 On the Internet

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

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

- (1) Download the latest schedule of items from the Wisconsin pages of the Bid Express web site reflecting the latest addenda posted on the department's web site at:
<https://wisconsin.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 envelope but due at the same time and place as the sealed bid, also provide the Expedite™ generated schedule of items on a 3 1/2 inch computer diskette or CD ROM. Label each diskette or CD ROM with the bidder's name, the 4 character department-assigned bidder identification code from the top of the bidding proposal, and a list of the proposal numbers included on that diskette or CD ROM as indicated in the following example:

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

- (3) If bidding on more than one proposal in the letting, the bidder may include all proposals for that letting on one diskette or CD ROM. Include only submitted proposals with no incomplete or other files on the diskette or CD ROM.
- (4) The bidder-submitted printout of the Expedite™ generated schedule of items is the governing contract document and must conform to the requirements of section 102 of the standard specifications. If a printout needs to be altered, cross out the printed information with ink or typewriter and enter the new information and initial it in ink. If there is a discrepancy between the printout and the diskette or CD ROM, the department will analyze the bid using the printout information.

- (5) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:
1. The check code printed on the bottom of the printout of the Expedite™ generated schedule of items is not the same on each page.
 2. The check code printed on the printout of the Expedite™ generated schedule of items is not the same as the check code for that proposal provided on the diskette or CD ROM.
 3. The diskette or CD ROM is not submitted at the time and place the department designates.

B Waiver of Electronic Submittal

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

PROPOSAL BID BOND

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)

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, 2023

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 6999-09-72, C Wausau, Stewart Avenue, S 72nd Avenue to S 48th Avenue, Marathon 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, 2024 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 (20230629)

2. Scope of Work.

The work under this contract shall consist of Structure C-37-90, excavation common, borrow, base aggregate dense, HMA pavement, curb and gutter, storm sewer, culverts, sanitary sewer, water main, traffic signals, signing, marking, and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

3. Prosecution and Progress.

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

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

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

Interim Completion and Liquidated Damages – Stage 1 Stewart Avenue Pipe Installations: 12 Calendar Days

During Stage 1, close Stewart Avenue from Station 101+00 to Station 103+50 to through traffic for a maximum of 12 calendar days. Do not reopen until completing the following work: temporary culvert pipe, storm sewer, sanitary sewer, and asphaltic surface temporary.

If the contractor fails to complete the work necessary to reopen Stewart Avenue to traffic within 12 calendar days, the department will assess the contractor \$2,185 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – Stage 1 South 48th Avenue: 12 Calendar Days

During Stage 1, close South 48th Avenue to through traffic for a maximum of 12 calendar days. Do not reopen until completing the following work: sanitary sewer, storm sewer, and HMA pavement.

If the contractor fails to complete the work necessary to reopen South 48th Avenue to traffic within 12 calendar days, the department will assess the contractor \$2,185 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 12 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – Stage 1 South 48th Avenue Sidewalk Closure: 5 Calendar Days

During Stage 1, close South 48th Avenue sidewalk to pedestrian traffic for a maximum of 5 calendar days. Do not reopen until completing the following work: backfilling of adjacent sanitary manhole, placement of concrete sidewalk or temporary pedestrian surface. The sidewalk may be closed a second time for placement of concrete sidewalk with the cumulative sidewalk closure period not exceeding 5 calendar days.

If the contractor fails to complete the work necessary to reopen the South 48th Avenue sidewalk to pedestrian traffic within 5 total calendar days from the initial closure, the department will assess the contractor \$2,185 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 5 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – Stage 3C South 72nd Avenue: 3 Calendar Days

During Stage 3C, close South 72nd Avenue to through traffic south of Stewart Avenue for a maximum of 3 calendar days. Do not reopen until completing the following work: sanitary sewer and asphaltic surface patching.

If the contractor fails to complete the work necessary to reopen South 72nd Avenue to traffic within 3 calendar days, the department will assess the contractor \$2,185 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 3 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Interim Completion and Liquidated Damages – Stage 4 Stewart Avenue: 15 Calendar Days

During Stage 4, close Stewart Avenue to westbound traffic between South 72nd Avenue and South 68th Avenue for a maximum of 15 calendar days. Do not reopen until completing the following work: storm sewer, curb and gutter, and HMA pavement.

If the contractor fails to complete the work necessary to reopen Stewart Avenue to traffic within 15 calendar days, the department will assess the contractor \$2,185 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 15 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

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

Construction Staging

Stewart Avenue is anticipated to be constructed in the following stages to accommodate circulation of local and emergency traffic.

- Stage 1 – Construct temporary shoulder paving along Stewart Avenue. Construct temporary pavement at the northeast corner of the South 72nd Avenue intersection. Install the proposed storm sewer crossing and temporary culvert pipe (Station 102+00 to Station 102+50) and complete the sanitary sewer (Station 101+00 to Station 103+50, RT). Install storm sewer at South 68th Avenue. Install the sanitary sewer and storm sewer along South 48th Avenue.
 - For the storm sewer and temporary culvert installations from Station 102+00 to Station 102+50 and the sanitary sewer from Station 101+00 to Station 103+50, RT, Stewart Avenue may be closed for up to 12 calendar days. Complete asphaltic surface temporary at the pipe installations prior to reopening Stewart Avenue.
 - For the storm sewer installations at South 68th Avenue, close South 68th Avenue. Complete asphaltic surface temporary at the pipe installations prior to reopening South 68th Avenue.

- For the sanitary sewer and storm sewer installations along South 48th Avenue, close South 48th Avenue for up to 12 calendar days. Complete asphaltic pavements that will carry traffic prior to reopening South 48th Avenue. Close the sidewalk along the right side of South 48th Avenue during the installation of the manhole at Station 78+25, RT. After the installation of the manhole at Station 78+25, RT, reopen the sidewalk. Temporary pedestrian surface may be used until the concrete sidewalk can be replaced. Do not close this sidewalk for a total of more than 5 calendar days.
- Do not close Stewart Avenue from Station 102+00 to Station 102+50 and South 68th Avenue at the same time in Stage 1.
- Do not close Stewart Avenue from Station 102+00 to Station 102+50 and South 48th Avenue at the same time in Stage 1. It is anticipated South 48th Avenue will be constructed at the end of Stage 1 to accommodate continuous sanitary sewer replacement shown in Stage 2.
- Stage 2A – Construct the right side of Stewart Avenue from approximately Station 149+50 to South 48th Avenue. Construct the northwest quadrant of the South 72nd Avenue intersection.
- Stage 2B – Construct the box culvert extension at Structure C-37-90. Construct the left side of Stewart Avenue from approximately Station 151+50 to South 48th Avenue. Construct the southwest quadrant of the South 72nd Avenue intersection.
- Stage 3A – Construct storm sewer and temporary pavements on Stewart Avenue from South 72nd Avenue to South 68th Avenue. Remove a portion of the temporary culvert pipe at Station 102+50, LT. Construct the left and right sides of Stewart Avenue from South 68th Avenue to approximately Station 151+50.
- Stage 3B – Construct the right side of Stewart Avenue from South 72nd Avenue to South 68th Avenue and remove the remaining portions of the temporary culvert pipe near Station 102+50. Continue and complete construction on the left and right sides of Stewart Avenue from South 68th Avenue to approximately Station 151+50.
- Stage 3C – Construct South 68th Avenue north of Stewart Avenue. Complete the remaining section of the right side of Stewart Avenue from South 72nd Avenue to Station 102+50. Construct the sanitary sewer tie-in within the South 72nd Avenue intersection. Complete construction on the southeast quadrant of South 72nd Avenue.
 - For the sanitary sewer tie-in within the South 72nd Avenue intersection, close South 72nd Avenue south of Stewart Avenue for up to two calendar days. Complete asphaltic surface patching at the pipe installation prior to reopening South 72nd Avenue to through traffic.
 - Do not close South 72nd Avenue and South 68th Avenue at the same time.
- Stage 4 – Construct the left side of Stewart Avenue from South 72nd Avenue to South 68th Avenue. Construct the northeast quadrant of South 72nd Avenue and the widening along the right side of South 72nd Avenue. Complete the paving along South 68th Avenue.
 - At the end of Stage 4, reopen Stewart Avenue to two-way traffic east of approximately Station 103+00 and close Stewart Avenue for up to 15 calendar days from South 72nd Avenue to approximately Station 103+00 to complete any remaining work on the east side of the intersection. Do not work on South 68th Avenue during this closure.
- Stage 5 – Complete mill and overlay along South 72nd Avenue and within the Stewart Avenue/South 72nd Avenue intersection. Complete signal installations. Complete any remaining finishing items.

Fish Spawning

There shall be no instream disturbance of the unnamed stream at Station 102+82 at C-37-90, as a result of construction activity under or for this contract, from March 1 to June 15 both dates inclusive, in order to avoid adverse impacts upon the spawning of various fish species.

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

Northern Long-eared Bat (*Myotis septentrionalis*)

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

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

Direct temporary lighting, if used, away from wooded areas during the bat active season April 1 to October 31, both dates inclusive.

The department has contracted with others and will perform the following operations after October 31 and prior to April 1:

- Cutting down and removing trees.

Small Animal Protection

For all areas contiguous with the unnamed stream at Station 102+82 at C-37-90, place all silt fence with small animal turnarounds in this area prior to May 1 unless otherwise approved by the engineer. Monitor the construction work area and remove any turtles from the construction area throughout construction, if required.

4. Traffic.

General

During all stages, traffic may be flagged to one-lane conditions during working hours throughout the project limits. Maintain traffic during work operations as follows:

- Stage 1 – Complete work under flagging operations on Stewart Avenue. Reopen Stewart Avenue to two-lanes of traffic during non-working hours except when a short-term full closure is allowed to complete the pipe installations from Station 101+00 to Station 103+50. Close South 68th Avenue during work on South 68th Avenue. Close South 48th Avenue during work on South 48th Avenue.
- Stage 2A – Maintain shifted two-way traffic through the Stewart Avenue/South 72nd Avenue intersection. Maintain two-way traffic on existing Stewart Avenue from South 72nd Avenue to South 68th Avenue. Maintain shifted one-way westbound traffic on Stewart Avenue from South 68th Avenue to South 48th Avenue.
- Stage 2B – Maintain shifted two-way traffic through the Stewart Avenue/South 72nd Avenue intersection. Maintain shifted two-way traffic on Stewart Avenue from South 72nd Avenue to South 68th Avenue. Maintain shifted one-way westbound traffic on Stewart Avenue from South 68th Avenue to South 48th Avenue.
- Stage 3A/3B – Maintain shifted two-way traffic through the Stewart Avenue/South 72nd Avenue intersection. Maintain shifted two-way traffic on Stewart Avenue from South 72nd Avenue to South 68th Avenue. Close Stewart Avenue from South 68th Avenue to South 56th Avenue. Maintain two-way traffic on the proposed Stewart Avenue roadway from South 56th Avenue to South 48th Avenue.
- Stage 3C – Maintain shifted two-way traffic through the Stewart Avenue/South 72nd Avenue intersection except when full closure of South 72nd Avenue is allowed during the sanitary sewer work connection work in the intersection. Maintain shifted two-way traffic on Stewart Avenue from South 72nd Avenue to South 68th Avenue. Maintain two-way traffic on the proposed Stewart Avenue roadway from South 68th Avenue to South 48th Avenue. Close South 68th Avenue during work on South 68th Avenue.

- **Stage 4** – Maintain shifted two-way traffic through the Stewart Avenue/South 72nd Avenue intersection. Maintain shifted one-way eastbound traffic on Stewart Avenue from South 72nd Avenue to South 68th Avenue except when a full closure is allowed from South 72nd Avenue to approximately Station 103+00 at the end of Stage 4. Maintain two-way traffic on the proposed Stewart Avenue roadway from South 68th Avenue to South 48th Avenue. Complete remaining work on South 68th Avenue under flagging operations.
- **Stage 5** – Complete work in the Stewart Avenue/South 72nd Avenue intersection under flagging operations. Maintain two-way traffic on the proposed Stewart Avenue roadway from South 72nd Avenue to South 48th Avenue.

Driveways

Maintain access to all private and commercial entrances on a minimum of a base aggregate surface at the end of each work day, unless otherwise shown on the plans. Construct driveways in stages as required to maintain traffic.

Notify the property owners of the anticipated construction schedule of any driveways at least seven calendar days prior to reconstruction of driveways. Coordinate daily access with property owners.

Pedestrian and Bicycle Access

Maintain pedestrian and bicycle access from the existing multi-use trail located on the west side of South 72nd Avenue north of Stewart Avenue to the travel lane along South 72nd Avenue. Crossing movements to the east side of Stewart Avenue should be prohibited until completion of the proposed multi-use trail along Stewart Avenue.

The existing sidewalk on the east side of South 56th Avenue terminates on the north side of Stewart Avenue. Implement traffic control measures to prevent pedestrians from entering Stewart Avenue from this existing sidewalk route.

Except when a short-term closure of the sidewalk is allowed in Stage 1, maintain pedestrian traffic along the right side of South 48th Avenue and across Stewart Avenue at South 48th Avenue during all project work.

Close the entire proposed multi-use path along Stewart Avenue to pedestrians and bicycles until all finishing items are complete under this contract.

Bicycle Route

The Wausau MPO Bike Route known as Route 10 runs along Packer Drive to South 48th Avenue to Stewart Avenue east of the project limits.

<http://www.bicyclewausau.org/maps>

During closure of South 48th Avenue in Stage 1, post a bicycle route detour for Wausau MPO Bike Route 10 along Packer Drive to South 72nd Avenue to Stewart Avenue.

Portable Changeable Message Signs

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

Install PCMS approaching the closure limits in the plans or as directed by the engineer seven days prior to any closure.

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

5. **Holiday and Special Event Work Restrictions.**

Do not perform work on, nor haul materials of any kind along or across any portion of the street carrying Stewart Avenue traffic. The roadway may remain under staged traffic and traffic control may remain in place during the following holiday and special event periods:

- From noon Friday, May 24, 2024 to 6:00 AM Tuesday, May 28, 2024 for Memorial Day;
- From noon Wednesday, July 3, 2024 to 6:00 AM Monday, July 8, 2024 for Independence Day;
- From noon Friday, August 30, 2024 to 6:00 AM Tuesday, September 3, 2024 for Labor Day.

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6. **Utilities.**

This contract does not come under the provision of Administrative Rule Trans 220.

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

City County IT Commission has underground **communication** facilities located along the left side of South 72nd Avenue south of Stewart Avenue.

City County IT Commission does not anticipate a conflict with this facility.

Frontier Communications of WI LLC has underground **communication** facilities that run along the left side of Stewart Avenue for the entire length of the project, along the right side from approximately 300-feet west of South 72nd Avenue to South 72nd Avenue, and from 330-feet east of South 72nd Avenue to 2,200-feet east of South 68th Avenue and 500-feet West of South 48th Avenue to South 48th Avenue.

The communication lines run along the left side of South 72nd Avenue south of Stewart Avenue, the right side of South 72nd Avenue north of Stewart Avenue, and along the left side of South 48th Avenue.

Frontier Communications of WI LLC has overhead communication facilities that run along the left side of Stewart Avenue from approximately Station 117+40 to Station 155+20.

The communication lines cross Stewart Avenue throughout the project.

Frontier Communications of WI LLC plans to relocate their underground facilities prior to construction.

- Station 101+60 crossing of Stewart Avenue
- Station 101+60 – Station 105+85, right, along the right of way
- Station 101+50 – Station 121+16, left, along the right of way
- Station 107+05 – Station 107+40, crossing of Stewart Avenue
- Station 116+60 – Station 117+40, right, along the proposed right of way
- Station 131+25 – Station 173+65, left, along the right of way
- Station 139+25 crossing of Stewart Avenue
- Station 139+25 – Station 140+00, right, along the right of way
- Station 156+80 crossing of Stewart Avenue
- Station 162+10 crossing of Stewart Avenue
- Station 164+50 crossing of Stewart Avenue

Frontier Communications of WI LLC plans to relocate, remove, or adjust communication facilities underbuilt on Wisconsin Public Service power poles prior to construction.

- Station 117+40, left
- Station 119+35, left
- Station 152+70, right

Frontier Communications of WI LLC will adjust the following pedestals or junction boxes during construction. Frontier Communications of WI LLC anticipates this work will take one working day per location.

- Station 105+85, right
- Station 109+02, right
- Station 113+10, right
- Station 140+00, right
- Station 170+80, right

Arrange for a site watch to be present during work at the following locations. Frontier Communications of WI LLC plans to adjust the existing within one working day per location.

- Station 98+75 – Station 100+00, left and right – during roadway and storm sewer excavation
- Station 100+00 – Station 101+50, left – during roadway and storm sewer excavation
- Station 116+45 – Station 116+55, left and right – during roadway and sanitary sewer excavation
- Station 170+98, left and right – during roadway, sanitary sewer and storm sewer excavation
- Station 175+50 – Station 177+00, right – during roadway, sanitary sewer and storm sewer excavation

Net-Lec LLC has an empty **communication** easement located approximately 700-feet east of South 72nd Avenue along the right side of Stewart Avenue. There are no existing facilities within the easement and there are no conflicts anticipated.

Spectrum has underground **communication** facilities located along the left side of Stewart Avenue from the begin project limits to 800-feet west of South 68th Avenue, along the right side of Stewart Avenue from South 72nd Avenue to South 56th Avenue, along the left side of South 48th Avenue, and crossings of Stewart Avenue near Station 172+00 and Station 175+70.

Spectrum also has overhead communication facilities located along the left side of Stewart Avenue from 1,150-feet west of South 56th Avenue to South 48th Avenue.

Spectrum plans to relocate their underground facilities prior to construction along the left side of Stewart Avenue from Station 99+45 to Station 141+35.

Spectrum plans to relocate, remove, or adjust communication facilities underbuilt on Wisconsin Public Service power poles prior to construction.

- Station 166+45, left
- Station 169+72, right
- Station 171+59, left
- Station 171+93, left

Spectrum will adjust the following pedestals during construction. Spectrum anticipates this work will take one working day per location.

- Station 99+70, left
- Station 177+00, left

Arrange for a site watch to be present during work at the following locations. Spectrum plans to adjust the existing facilities at these locations within one working day per location.

- Station 171+90, right – during the sanitary sewer and storm sewer excavation
- Station 175+75, right – during the sanitary sewer and storm sewer excavation

TDS Metrocom LLC has overhead **communication** facilities along the left side of Stewart Avenue for the entire length of the project. Communication facilities are also located along the right side of South 72nd Avenue, the left side of South 56th Avenue, and the right side of South 48th Avenue. There are crossings throughout the project.

TDS Metrocom LLC has underground **communication** facilities along the right side of South 72nd Avenue and the right side of South 68th Avenue.

TDS Metrocom LLC plans to relocate, remove, or adjust communication facilities underbuilt on Wisconsin Public Service power poles prior to construction.

- Station 101+26, right
- Station 101+57, left and install temporary overhead communication around box culvert work area
- Station 103+50, left and install temporary overhead communication around box culvert work area
- Station 104+00, left and install temporary overhead communication around box culvert work area
- Station 105+32, right
- Station 106+36, left
- Station 107+05, left
- Station 113+11, left
- Station 113+14, right
- Station 117+40, left
- Station 119+35, left
- Station 119+55, left
- Station 152+66, right
- Station 166+45, left
- Station 169+72, right
- Station 171+59, left
- Station 171+93, left

TDS Metrocom LLC plans to relocate the underground communication facilities prior to construction from Station 40+00 to Station 41+50, right along South 68th Avenue to accommodate the roadway construction. TDS Metrocom LLC plans to complete the relocation prior to construction.

TDS Metrocom LLC will adjust the following underbuilt communication facilities during construction on Wisconsin Public Service poles. TDS Metrocom LLC anticipates this work will take three working days.

- Station 101+57, left – removal of temporary overhead communication after the box culvert extension is complete.
- Station 103+50, left – removal of temporary overhead communication after the box culvert extension is complete.
- Station 104+00, left – removal of temporary overhead communication after the box culvert extension is complete.

TDS Metrocom LLC will protect and support the following underground facilities during construction.

- Station 100+65 to Station 101+25, left – during the roadway excavation.
- Station 20+21 to Station 23+60, right along South 72nd Avenue – during roadway excavation.

Wisconsin Public Service Corporation has underground **electric** facilities along the right side of South 68th Avenue and crossings of Stewart Avenue at approximately 1,150-feet west of South 68th Avenue, 1,400-feet west of South 56th Avenue, 500-feet west of South 48th Avenue, and 200-feet west of South 48th Avenue.

Wisconsin Public Service Corporation has overhead facilities along the left side of Stewart Avenue for the entire length of the project with crossings of Stewart Avenue throughout the project. The overhead facilities run along the right side of South 72nd Avenue north of Stewart Avenue and the left side of South 56th Avenue.

Wisconsin Public Service Corporation plans to relocate, remove, or install the following power poles and adjust the overhead electric facilities prior to construction.

- Station 101+26, right
- Station 101+57, left and install temporary overhead electric around box culvert work area.
- Station 103+50, left and install temporary overhead electric around box culvert work area.
- Station 104+00, left and install temporary overhead electric around box culvert work area.
- Station 105+32, right
- Station 106+36, left
- Station 107+05, left
- Station 113+11, left
- Station 113+14, right
- Station 116+06, right
- Station 117+40, left and right
- Station 119+35, left
- Station 119+55, left
- Station 152+66, right
- Station 166+45, left
- Station 169+72, right
- Station 171+59, left
- Station 171+81, right
- Station 171+93, left

Wisconsin Public Service Corporation plans to relocate the following underground electric facilities prior to construction.

- Station 106+00 to Station 107+45, right
- Station 119+35, left
- Station 139+34, left and right

Wisconsin Public Service Corporation will adjust the following electric facilities during construction. Wisconsin Public Service Corporation anticipates this work will take three working days.

- Station 101+57, left – anchor relocation and removal of temporary overhead electric after the box culvert extension is complete.
- Station 103+50, left – pole removal and removal of temporary overhead electric after the box culvert extension is complete.
- Station 104+00, left – anchor relocation and removal of temporary overhead electric after the box culvert extension is complete.

- Station 111+08, left – anchor relocation after grading is complete.
- Station 139+34, left – adjust the pole after culvert grading is complete.
- Station 171+59, left – anchor relocation after grading is complete.

Wisconsin Public Service Corporation will protect and support facilities during construction.

- Station 111+08, left – pole hold during excavation.
- Station 139+26, left and right – during the sanitary sewer and water main excavation.

Wisconsin Public Service Corporation has underground **gas** facilities located along the right side of Stewart Avenue the entire length of the project with a crossing of Stewart Avenue at South 72nd Avenue. Underground gas facilities are also located along the right side of South 72nd Avenue north of Stewart Avenue and along the right side of South 68th Avenue. There are service crossings throughout the project limits.

Wisconsin Public Service Corporation plans to relocate the gas facility along the left side of Stewart Avenue from Station 102+20 to Station 172+20 and along the right side of Stewart Avenue from Station 99+00 to Station 176+75. Wisconsin Public Service Corporation plans to complete the relocations prior to construction.

Wausau Water Works has underground **sanitary** facilities located along the right side of Stewart Avenue from South 72nd Avenue to South 68th Avenue and from South 56th Avenue to South 48th Avenue with crossings at South 72nd Avenue, South 68th Avenue, and 600-feet west of South 48th Avenue. The sanitary sewer facilities are also located along the left side of South 72nd Avenue north of Stewart Avenue, the right side of South 68th Avenue, the center of South 56th Avenue, and right side of South 48th Avenue.

Adjustments of existing sanitary sewer facilities and installations of new sanitary sewer facilities will be completed as shown on the plans under the pertinent items in the contract.

Wausau Water Works has underground **water** facilities located along the right side of Stewart Avenue from South 72nd Avenue to South 68th Avenue and along the left side of Stewart Avenue from South 72nd Avenue to 400-feet east of South 72nd Avenue and from 1,300-feet west of South 56th Avenue to South 48th Avenue. Crossings are located throughout the project. The facilities are also located along the left side of South 72nd Avenue north of Stewart Avenue, the right side of South 56th Avenue, and the left side of South 48th Avenue.

Adjustments of existing water main facilities and installations of new water main facilities will be completed as shown on the plans under the pertinent items in the contract.

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

Both the department and City of Wausau personnel will inspect construction of sanitary sewer and water main under this contract. However, construction staking, and acceptance of the sanitary sewer and water main construction will be by the City of Wausau. Testing will be the responsibility of the contractor.

8. Sanitary Sewer and Water Main Materials.

For water main and sanitary sewer work, furnish only materials that are manufactured in the United States. "Manufactured in the United States" means that materials are manufactured in whole or in substantial part within the United States or that the majority of the components thereof were manufactured in whole or in substantial part in the United States.

Where sanitary sewer and water main materials are specified by reference to an ASNI, AWWA, AASHTO, or ASTM Specification, furnish to the engineer and the City of Wausau written certification from the materials manufacturer certifying that the materials furnished comply in all respects with the requirements of the referenced specifications.

9. Underground Utility Record Drawings.

Keep a current set of plans on the project that are marked to show the location of installed underground utilities. Accurately record the location of valves, fittings, service lines, and field changes for watermain, sanitary sewer, and storm sewer work. Dimension utilities from permanent reference points; record vertical distances. Submit record drawings to the engineer and City of Wausau upon completion of work. Record drawing work is incidental to the items included in this contract.

10. Work by Others.

The City of Wausau will remove all signs designated in the plans for "Removal by Municipality". Coordinate a schedule for removal at the preconstruction meeting with the contractor contacts shown on the plan.

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

The department has received written verification of coverage under the Section 404 Transportation Regional General Permit from the U.S. Army Corps of Engineers. Comply with the requirements of the permit in addition to requirements of the special provisions.

A copy of the permit is available from the regional office by contacting Michael Grage Michael.Grage@dot.wi.gov, (715) 365-5705.

If the contractor requires work outside the proposed slope intercepts, based on their method of operation to construct the project, it is the contractor's responsibility to determine whether a U.S. Army Corps of Engineers Section 404 permit modification is required. If a Section 404 permit modification is necessary, obtain the permit modification prior to beginning construction operations requiring the permit. No time extensions as discussed in standard spec 108.10 will be granted for the time required to apply for and obtain the permit modification. The contractor must be aware that the U.S. Army Corps of Engineers may not grant the permit modification request.

stp-107-054 (20230629)

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

The department has obtained permit coverage through the Wisconsin Department of Natural Resources to discharge storm water associated with land disturbing construction activities under this contract. Conform to all permit requirements for the project.

This permit is the Wisconsin Pollutant Discharge Elimination System, Transportation Construction General Permit, (WPDES Permit No. WI-S066796-2). The permit can be found at:

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

A certificate of permit coverage is available from the regional office by contacting Michael Grage Michael.Grage@dot.wi.gov, (715) 365-5705. Post the permit certificate in a conspicuous place at the construction site.

stp-107-056 (20230629)

13. Information to Bidders, Wisconsin Department of Natural Resources Clean Water Fund for Sanitary Sewer Construction.

Construction of sanitary sewer under this contract shall comply with the requirements of Wisconsin Department of Natural Resources (WDNR) Clean Water Fund (CWF).

<https://dnr.wisconsin.gov/sites/default/files/topic/Aid/loans/pubs/CF0042.pdf>

Comply with the following federal requirements as provided in linked publication:

- Davis-Bacon and Related Acts (DBRA)
- Disadvantaged Business Enterprises (DBEs)
- American Iron and Steel
- Build America, Buy America (BABA)

Compliance with these requirements will apply to the following sanitary sewer system bid items:

Item Number	Item Name
204.9060.S.02	Removing Sanitary Manholes
204.9090.S.01	Removing Sanitary Sewer 15-Inch
611.8110	Adjusting Manhole Covers
611.8120.S	Cover Plates Temporary
SPV.0035.01	Utility Trench Rock Excavation
SPV.0035.02	Abandoning Sanitary Sewer
SPV.0060.08	Abandoning Sanitary Structure
SPV.0060.09	Connecting Sanitary Sewer
SPV.0060.10	Manholes Sanitary 5-FT Diameter
SPV.0060.11	Manholes Sanitary 6-FT Diameter
SPV.0060.12	Sanitary Manhole Covers Type J-Special
SPV.0060.13	Sanitary Sewer PVC Wyes
SPV.0060.14	Sanitary Sewer Force Main Cleanout
SPV.0060.34	Manholes Sanitary 4-FT Diameter
SPV.0090.01	Bore and Jack Steel Casing Pipe 24-Inch
SPV.0090.05	Sanitary Sewer 8-Inch
SPV.0090.06	Sanitary Sewer 15-Inch
SPV.0090.07	Sanitary Sewer 21-Inch
SPV.0090.08	Sanitary Sewer Force Main 12-Inch
SPV.0090.09	Sanitary Sewer 15-Inch in Casing
SPV.0090.10	Sanitary Sewer Laterals

Provide proof of compliance to City of Wausau personnel. Compliance is a requirement of acceptance of the sanitary sewer construction. The contact information for the City of Wausau will be designated during the preconstruction meeting.

14. Information to Bidders, Sewer and Water Facility Permits.

The City of Wausau has obtained approval from the Wisconsin Department of Natural Resources for installation of the sewer and water facilities shown in the plans and specifications.

Copies of the approvals are available from the regional office by contacting Michael Grage Michael.Grage@dot.wi.gov, (715) 365-5705.

15. Construction Over or Adjacent to Navigable Waters.

The unnamed waterway near Station 102+82 is classified as a state navigable waterway under standard spec 107.19.

stp-107-060 (20171130)

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 following 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. Environmental Protection - Dewatering.

Add the following to standard spec 107.18:

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

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

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

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

ncr-107-025 (20160401)

18. Erosion Control.

Add the following to standard spec 107.20:

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

Replace topsoil on disturbed areas, including spot locations such as cross drains, driveways, guardrail and terminals, and intersections, immediately after grading is completed within those areas. Complete finishing operations, which includes seed, fertilizer, erosion mat, mulch, and any other permanent erosion control measures required, within seven calendar days after the placement of topsoil.

ncr-107-050 (20141015)

19. 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)

20. Notice to Contractor – Contamination Beyond Construction Limits.

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

1. Station 174+25 to Station 175+25 from 60 feet RT of centerline to 150 feet RT of centerline.

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

The Hazardous Materials Report is available by contacting: Mike Grage, Michael.Grage@dot.wi.gov, (715) 365-5705.

stp-107-100 (20050904)

21. Coordination with Businesses and Residents.

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

stp-108-060 (20141107)

22. Public Convenience and Safety.

Replace standard spec 107.8 (4) with the following:

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

- Marathon County Sheriff's Department
- Wisconsin State Patrol
- Marathon County Highway Department
- City of Wausau
- Town of Stettin
- Wausau School District
- Wausau Post Office

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

ncr-107-005 (20200729)

23. Property Marks – Protecting and Restoring.

Replace standard spec 107.11.3 (1) with the following:

Protect and carefully preserve all known property and survey marks, land monuments, and right-of-way monuments and marker posts. Notify the engineer of the nature and location of these monuments and markers. Do not disturb or destroy monuments or markers until the engineer has arranged for their referencing or perpetuation.

Reset or replace, to the required standard, any property and survey marks, land monuments, and right-of-way monuments and marker posts that fall outside the construction limits that are shifted, lost or damaged by the contractor during construction operations, as determined by the engineer. If the contractor fails to restore the disturbed monuments or markers within a reasonable time, the department may, upon 48 hours written notice, restore the disturbed monuments or markers. The department will deduct restoration costs from payments due the contractor under the contract.

ncr-107-010 (20110531)

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

A Description

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

B (Vacant)

C Construction

C.1 Equipment

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

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

C.2 Methods

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

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

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

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

D Measurement

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

E Payment

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

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

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

stp-204-041 (20080902)

25. Removing Apron Endwalls, Item 204.9060.S.01.

A Description

This special provision describes removing existing apron endwalls conforming to standard spec 204.

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Apron Endwalls at each location, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.01	Removing Apron Endwalls	EACH

stp-204-025 (20150630)

26. Removing Sanitary Manholes, Item 204.9060.S.02.

A Description

This special provision describes removing Sanitary Manholes conforming to standard spec 204.

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Sanitary Manholes at each location, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.02	Removing Sanitary Manholes	EACH

stp-204-025 (20150630)

27. Removing Sanitary Sewer 15-Inch, Item 204.9090.S.01.

A Description

This special provision describes removing and disposing of sanitary sewer main including any castings conforming to standard spec 204.

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Sanitary Sewer (size) in linear foot, acceptably completed. Measurement will be made along the mains to be removed and no additional payment will be made for services.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9090.S.01	Removing Sanitary Sewer 15-Inch	LF
stp-204-025 (20150630)		

28. General Requirements for Blasting Rock.

Add the following to standard spec 205.3.7:

Perform all blasting in compliance with the Wisconsin Administrative Code Department of Safety and Professional Services SPS 307.43.

Blasting Plan Submittal

Not less than two weeks before commencing blasting operations, or at any time when changes to the drilling and blasting methods are proposed, submit a Blasting Plan to the engineer for review. The blasting plan shall contain full details of the drilling and blasting patterns and controls proposed for both the controlled and production blasting. Include the following minimum information in the blasting plan:

1. Station limits of proposed shot.
2. Plan and section views of proposed drill pattern including free face, burden, blasthole spacing, blasthole diameters, blasthole angles, lift height, and subdrill depth.
3. Loading diagram showing type and amount of explosives, primers, initiators, and location and depth of stemming.
4. Initiation sequence of blastholes including delay times and delay system.
5. Manufacturer's data sheets for all explosives, primers, and initiators to be employed.

The blasting plan submittal is for quality control and record keeping purposes. Review of the blasting plan by the engineer does not relieve the contractor of responsibility for the accuracy and adequacy of the plan when implemented in the field.

Safety

Immediately notify the engineer of any incidents of fly rock, damage to any personal property, or existing roadway that is open to traffic, and any violations of the Wisconsin Administrative Code Department of Safety and Professional Services SPS 307.43. Failure to do so shall be considered a safety violation under standard spec 107 and all work on the project may be stopped under standard spec 105.1(1).

Notify the engineer of the station, location, and 'size' of all blasts at least one hour before the blast.

Observe the entire blast area for a minimum of five minutes following a blast to guard against rock or debris fall before commencing work in the area.

The engineer has the authority to prohibit or halt the contractor's blasting operations if it is apparent that through the methods being employed, the required slopes are not being obtained in a stable condition,

the safety and convenience of the traveling public is being jeopardized, or vibration levels above the allowable levels occur.

Condition Surveys

Conduct and document pre-blast and post-blast surveys of any nearby buildings or structures as required by the scaled-distance equation specified in the Wisconsin Administrative Code Department of Safety and Professional Services SPS 307.43. Make right of entry arrangements with the property owners for these condition surveys. Before any blasting, make the pre-blast survey records available to the engineer for review. After completion of blasting operations, perform a post-blast survey and make these records available to the engineer for review. The contractor shall be responsible for any damage resulting from blasting.

These condition surveys shall consist of visually inspecting and recording all existing defects in the structures before and after blasting operations. Photographs and/or videotape may be used to assist in documentation. Submit a written report to the department detailing the visual and photographic investigation of potentially affected structures. This report will include copies of the pre-blast and post-blast surveys and discuss any discrepancies and findings of these surveys.

If at any time during the progress of the work, the methods of drilling and blasting do not produce the desired result of a uniform slope and shear face, within the tolerances specified, drill, blast, and excavate in short sections, not exceeding 100 feet in length, until a technique is arrived at that will produce the desired results. Extra cost resulting from this requirement shall be borne by the contractor.

Vibration Control and Monitoring

All vibration control and monitoring shall comply with Wisconsin Administrative Code Department of Safety and Professional Services SPS 307.43, Instrumentation and SPS 307.44, Control of Adverse Effects.

Whenever there is a potential for vibration damage to adjacent buildings, structures, or utilities, monitor each blast with an approved seismograph located, as approved, between the blast area and the closest structure subject to blast damage, and as close as practical to the subject structure. Peak particle velocity shall not be allowed to exceed the safe limits of the nearest structure subject to vibration damage.

A vibration specialist, approved by the engineer, shall perform vibration monitoring. The vibration specialist shall monitor vibration levels according to the Wisconsin Administrative Code Department of Safety and Professional Services SPS 307.43 and interpret the seismograph records to ensure that the seismograph data shall be effectively utilized in the control of the blasting operations with respect to the existing structures and utilities.

According to the Wisconsin Administrative Code Department of Safety and Professional Services SPS 307.43 consult with the owner of any structure or utility not listed in SPS 307.43 to establish maximum allowable limits on ground vibrations. In no case shall these vibration limits exceed the following criteria:

Structure Type	Maximum Peak Particle Velocity (inches/second)
Reinforced Concrete, Structures, Unoccupied	4.0
Steel Structures, Unoccupied	4.0
Buried Utilities	2.0
Wells and Aquifers	2.0
Green Concrete (Less than 7 days)	1.0

Furnish data recorded for each shot to the engineer before the next blast; the data shall include the following:

1. Identification of vibration monitoring instrument used.
2. Name of qualified observer and interpreter.
3. Distance and direction of recording station from blast area.
4. Type of ground at recording station and material on which the instrument is sitting.
5. Peak particle velocity and principal frequency in each component.

6. A dated and signed copy of records of seismograph readings.
7. A comparison of measured seismograph readings to maximum allowable readings identified in the Wisconsin Administrative Code Department of Safety and Professional Services SPS 307.43 or as specified in this special provision.

If the recorded vibration data exceeds the allowable levels established in the Wisconsin Administrative Code Department of Safety and Professional Services SPS 307.43 or as specified in this special provision, immediately halt blasting operations. Submit a revised blasting plan to the engineer and do not resume blasting operations until the engineer approves the revised plan.

All costs associated with the work described herein shall be considered included in the bid item Utility Trench Rock Excavation.

~~stp-205-050 (20141107)~~

29. Protecting Concrete.

Add the following to standard spec 415.3.14:

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

The cost for providing the finisher(s), necessary equipment, and materials shall be considered incidental to the contract unit price for each concrete item.

ncr-415-005 (20141015)

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

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

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

B Materials

B.1 Personnel

- (1) Nuclear gauge owners and personnel using nuclear gauges shall comply with WisDOT requirements according to 460.3.3 and CMM 815.

B.2 Testing

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

B.3 Equipment

B.3.1 General

- (1) Furnish nuclear gauges according to CMM 815.2.
- (2) Furnish nuclear gauges from the department's approved product list at <https://wisconsin.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/tools/appr-prod/default.aspx>

B.3.2 Comparison of Nuclear Gauges

B.3.2.1 Comparison of QC and QV Nuclear Gauges

- (1) Compare QC and QV nuclear gauges according to WTM T355.

B.3.2.2 Reference Site Monitoring

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

B.4 Quality Control Testing and Documentation

B.4.1 Lot and Sublot Requirements

B.4.1.1 Mainline Traffic Lanes, Shoulders, and Appurtenances

- (1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 815.10.2.
- (2) Determine required number of tests according to CMM 815.10.2.1.
- (3) Determine random testing locations according to CMM 815.10.3.

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

- (1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 815.10.2.
- (2) Determine required number of tests according to CMM 815.10.2.2.
- (3) Determine random testing locations according to CMM 815.10.3.

B.4.2 Pavement Density Determination

B.4.2.1 Mainline Traffic Lanes and Appurtenances

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

B.4.2.2 Mainline Shoulders

B.4.2.2.1 Width Greater Than 5 Feet

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

B.4.2.2.2 Width of 5 Feet or Less

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

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

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

B.4.2.4 Documentation

- (1) Document QC density test data as specified in CMM 815. Provide the engineer with the data for each lot within 24 hours of completing the QC testing for the lot.

B.4.3 Corrective Action

- (1) Notify the engineer immediately when an individual test is more than 3.0 percent below the specified minimum in standard spec 460.3.3.1. Investigate and determine the cause of the unacceptable test result.
- (2) The engineer may require unacceptable material specified in B.4.3(1) to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine limits of the unacceptable area by measuring density of the layer at 50-foot increments both ahead and behind the point of unacceptable density and at the same offset as the original test site. Continue testing at 50-foot increments until a point of acceptable density is found as specified in standard spec 460.5.2.2(1). Removal and replacement of material may be required if extended testing is in a previously accepted 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 two consecutive subplot averages within the same paving pass and same target density are more than one percent below the specified target density, notify the engineer and take necessary corrective action. Document the locations of such sublots and the corrective action that was taken.

B.5 Department Testing

B.5.1 Verification Testing

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

B.5.2 Independent Assurance Testing

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

B.6 Dispute Resolution

- (1) The testers may perform investigation in the work zone by analyzing the testing, calculation, and documentation procedures. The testers may perform gauge comparison according to B.3.2.1.
- (2) The testers may use comparison monitoring according to B.3.2.2 to determine if one of the gauges is out of tolerance. If a gauge is found to be out of tolerance with its reference value, remove the gauge from the project and use the other gauge's test results for acceptance.

- (3) If the testing discrepancy cannot be identified, the contractor may elect to accept the QV subplot density test results or retesting of the subplot in dispute within 48 hours of paving. Traffic control costs will be split between the department and the contractor.
- (4) If investigation finds that both gauges are in error, the contractor and engineer will reach a decision on resolution through mutual agreement.

B.7 Acceptance

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

C (Vacant)

D (Vacant)

E Payment

E.1 QMP Testing

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

E.2 Disincentive for HMA Pavement Density

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

E.3 Incentive for HMA Pavement Density

- (1) The department will administer density incentives as specified in standard spec 460.5.2.3.
stp-460-020 (20230629)

31. Pipe Culverts.

Replace standard spec 520.3.3(5) with the following:

Provide joint ties at all joints of circular concrete culvert pipes, including endwalls. Ties are not required between culverts and concrete masonry endwalls unless shown on plan.

ncr-520-005 (20180319)

32. Storm Sewer.

Replace standard spec 608.3.3(5) with the following:

Provide joint ties at all joints on concrete storm sewer system in fall and outfall pipes, including endwalls. Ties are not required on installations with concrete masonry endwalls unless the plans show otherwise.

ncr-520-005b (20180319)

33. Cover Plates Temporary, Item 611.8120.S.

A Description

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

B Materials

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

C (Vacant)

D Measurement

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

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
611.8120.S	Cover Plates Temporary	EACH

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

The steel plates shall become the property of the contractor when no longer needed in the contract work.

stp-611-006 (20151210)

34. Insulation Board Polystyrene, 4-Inch, Item 612.0902.S.01.

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, 4-Inch by area in square yards of work, completed and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
612.0902.S.01	Insulation Board Polystyrene, 4-Inch	SY

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

stp-612-005 (20030820)

35. Water.

Provide the necessary environmental protection against aquatic exotic species control and pathogens if water source(s) is/are from surface waters of the state.

ncr-624-005 (20151215)

36. Field Facilities.

Add the following to standard spec 642.3:

Set up the field office within seven days after notice from the engineer.

Provide a parking area large enough to park a minimum of six cars directly adjacent to the field office. The parking area and approach to the field office shall be well drained and consist of a crushed base aggregate or an existing paved surface and shall be ready for use within seven days after the field office is set up.

ncr-642-005 (20160406)

37. Traffic Control.

Add the following to standard spec 643.3.1:

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

Provide the engineer and law enforcement (police, sheriff and State Patrol) the current telephone number(s) that the contractor, or their representative, can be contacted at, at all times, in the event a safety hazard develops. Repair, replace, or restore the damaged or disturbed traffic control devices within two hours from the time notified or made aware of the damaged or disturbed traffic control devices.

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

Add the following to standard spec 104.6.1.2.2:

Provide a dedicated person or alternate method to guide traffic travelling alongside or near moving operations such as milling, paving, and shouldering.

ncr-643-005 (20190703)

38. Install Conduit Into Existing Item, Item 652.0700.S.

A Description

This special provision describes installing proposed conduits into an existing manhole, pull box, junction box, communication vault, or other structure.

B Materials

Use conduits, as provided and paid for under other items in this contract. Furnish backfill material, topsoil, fertilizer, seed, and mulch conforming to the standard spec.

C Construction

Expose the outside of the existing structure without disturbing existing conduits or cabling. Drill the appropriate sized hole, or holes, for entering conduits at a location within the structure without disturbing the existing cabling and without hindering the installation of new cabling within the installed conduit. Fill void area between the respective drilled hole and conduit with an engineer-approved filling material to protect against conduit movement and entry of fill material into the structure. Tamp backfill into place.

D Measurement

The department will measure Install Conduit Into Existing System by the unit, acceptably installed. Up to five conduits entering a structure per entry point into the existing structure will be considered a single unit. Conduits in excess of five, or conduits entering at significantly different entry points into the existing pull box, manhole, or junction box will constitute multiple units of payment.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
652.0700.S	Install Conduit Into Existing Item	EACH

Payment is full compensation for excavating, drilling holes; furnishing and installing all materials, including bricks, coarse aggregate, sand, bedding, and backfill; for excavating and backfilling; and for furnishing and placing topsoil, fertilizer, seed, and mulch in disturbed areas; for properly disposing of surplus materials; and for making inspections.

stp-652-070 (20230629)

39. Fertilizer for Lawn Type Turf, Item SPV.0030.01.

A Description

This special provision describes furnishing and incorporating fertilizing material in the soil on areas of seeding or sod.

B Materials

Use fertilizers that are standard, commercial, packaged, or bulk products, in granular or liquid form conforming to Wisconsin Statutes and the Wisconsin Administrative Code Chapter ATCP 40. Ensure that each container of packaged fertilizer is plainly marked with the analysis of the contents showing minimum percentages of total nitrogen, available phosphoric acid, and soluble potash. If furnishing the fertilizer in bulk, include an invoice with each shipment indicating the minimum percentages of total nitrogen, available phosphoric acid, and soluble potash in the contents.

The total of nitrogen, phosphoric acid, and potash shall equal at least 41 percent. At least 80% of the nitrogen shall be water insoluble.

If using fertilizer with a nitrogen, phosphoric acid, and potash total greater than 41 percent, maintain a ratio of 4-1-2 (N-P-K) and apply at a rate that provides the equivalent amount of nitrogen, phosphoric acid, and potash that is provided by a fertilizer with a 41 percent total.

Provide a slow release type fertilizer with a 14-week residual effect after activation into the soil conforming to the following minimum requirements:

- Nitrogen,..... not less than 22%
- Phosphoric Acid,..... not less than 5%
- Potash,.....not less than 10%

C Construction

Uniformly apply the fertilizer to the seeding areas, and incorporate it into the soil by light discing or harrowing. If applying granular fertilizer, ensure it is well pulverized and free from lumps.

If incorporating fertilizer into topsoiled areas, apply it just before, and in conjunction with, final discing or harrowing, or if hand manipulating the topsoil, apply it just before final raking and leveling.

If fertilizing areas to receive sod, spread the fertilizer at the rate specified below uniformly over the soil before placing sod, and then work the fertilizer into the soil while preparing the earth bed as specified in standard spec 631.3.1.

Apply fertilizer containing 41 percent total of nitrogen, phosphoric acid, and potash at 7 pounds per 1000 square feet of area, unless the contract specifies otherwise. For Fertilizer for Lawn Type Turf that contains a different percentage of components, determine the application rate by multiplying the specified rate by a dimensionless factor determined as follows:

Conversion Factor = 41 / New Percentage of Components

D Measurement

The department will measure Fertilizer for Lawn Type Turf by the hundred pounds (CWT), acceptably completed, and it will be measured based on an application rate of 7 pounds per 1000 square feet. The department will not measure fertilizer used for the bid items under standard spec 632. The measured quantity equals the number of hundred-weight (CWT) of material determined by multiplying the actual number of CWT. of material incorporated by the ratio of the actual percentage of fertilizer components used to 41 percent for Fertilizer for Lawn Type Turf.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0030.01	Fertilizer for Lawn Type Turf	CWT

Payment is full compensation for providing, hauling, placing, and incorporating the fertilizer into the soil.

ncr-629-005 (20141015)

40. Utility Trench Rock Excavation, Item SPV.0035.01.

A Description

This special provision describes excavating rock for sanitary sewer and watermain construction according to standard spec 608 and as hereinafter provided.

B (Vacant)

C Construction

Provide a blasting plan, if required, to the engineer and the City of Wausau for approval at least 48 hours prior to any blasting. Include any required materials for crack and surveys.

The contractor will be required to use caution while blasting close to homes, garages, and other surrounding structures. Utilize smaller charges spaced at more frequent intervals to accomplish the work. Monitor all blasting with seismic equipment and recorded in a log book. Indicate in the log book the effect of each blast on all surrounding structures within the affected area. Furnish a copy of the log to the engineer and City of Wausau prior to payment for this item.

D Measurement

The department will measure Utility Trench Rock Excavation by the cubic yard acceptably completed and as specified in standard spec 608.4.2.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.00035.01	Utility Trench Rock Excavation	CY

Payment is full compensation for excavating rock including rock drilling, breaking, chipping, and pneumatic hammering, blasting, or other approved means; for preparation of a blasting plan, if required; for hauling and disposing of waste material; and for site protection.

41. Abandoning Sanitary Sewer, Item SPV.0035.02.

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 plans show or 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 Sanitary 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
SPV.0035.02	Abandoning Sanitary Sewer	CY

Payment is full compensation for furnishing all materials and excavating and backfilling where necessary.

42. Research and Locate Existing Land Parcel Monuments, Item SPV.0060.01.

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.

Prior to 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.0060.01	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 prior to construction; furnishing a professional land surveyor; preparing, annotating and delivering the monument location map.

ncr-621-015 (20170404)

43. Verify and Replace Existing Land Parcel Monuments, Item SPV.0060.02.

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.0060.02	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.

ncr-621-020 (20170404)

44. Inlet Covers Type H-D, Item SPV.0060.03.

A Description

This special provision describes furnishing and installing inlet covers according to the plan details, the pertinent requirements of standard spec 611 and as provided in this special provision.

B Materials

Provide an Inlet Cover Type H frame and grate with the curb box removed and replaced with a solid flat curb plate designed for heavy traffic loading as shown in the plan details.

C Construction

Construct 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.0060.03	Inlet Covers Type H -D	EACH

Payment is full compensation for providing covers, including frames, grates, curb plates, and all other required materials and for installing and adjusting each cover.

ncr-611-005 (20141015)

45. Remove and Reinstall Street Light Assembly, Item SPV.0060.04.

A Description

This special provision describes removing and reinstalling street lighting units as shown in the plans and as hereinafter provided.

B Materials

Reinstall the complete lighting unit using all street lighting materials salvaged from the project except for the pole wiring, concrete base, and conduit. The salvaged complete lighting unit includes a pedestal base, pole, mast arm, luminaire, and hardware. Any new or additional hardware required is incidental to this bid item.

C Construction

Coordinate disconnection of the electric power source to the lighting unit with the City of Wausau.

Reinstall the complete lighting unit in locations shown on the plans or as directed by the engineer.

Reinstall streetlights according to standard spec 657 and standard spec 659.

D Measurement

The department will measure Remove and Reinstall Street Light Assembly as each individual lighting unit, acceptably reinstalled.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.04	Remove and Reinstall Street Light Assembly	EACH

Payment is full compensation for coordination, for removal of all existing lighting unit components and for reinstalling the pedestal base, pole, mast arm, and luminaire; for temporarily storing lighting unit; and for disposal of all excess materials.

New concrete bases and new wiring will be paid for under the pertinent items included in the contract.

46. Salvage Traffic Signal and Lighting System (Stewart Avenue & S 72nd Avenue), Item SPV.0060.05.

A Description

This special provision describes removing and salvaging traffic signals and attached lighting systems according to the pertinent provisions of standard spec 204 and as hereinafter provided.

B (Vacant)

C Construction

Inventory the quantity and condition of the traffic signals, lighting equipment, and pull box frames and covers prior to removal. Provide the engineer and the City of Wausau electrician with a copy of the inventory.

Notify the contractor's electrician shown on the plans at least three working days prior to the desired starting date for the removal of the traffic signals. The contractor's electrical unit will arrange for de-energizing the signals with the local electrical utility. The contractor's electrical unit will verify that the traffic signals have been de-energized and will then notify the engineer.

Remove and salvage the traffic signals, lighting units, and control cabinet, following notification by the engineer to do so, in such a manner that they are not damaged.

Remove the traffic signal standards and poles from their concrete bases. Remove the attached transformer bases, trombone arms, and luminaire arms from the standards or poles. Access hand hole doors and hardware shall remain intact.

Notify the contractor's electrician at least three working days prior, to make arrangements for delivering the salvaged traffic signals and lighting units to the City of Wausau Water Plant at 1801 Burek Ave, Wausau, Wisconsin.

Load, transport, and unload the salvaged materials from the construction site to the designated location. Dispose of the underground cable, wires, conduits, pull boxes, and other hardware properly.

D Measurement

The department will measure Salvage Traffic Signal and Lighting System (intersection), per 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.0060.05	Salvage Traffic Signal and Lighting System (Stewart Avenue & S 72nd Avenue)	EACH

Payment is full compensation for inventorying; disconnecting the wiring of the traffic signals and lighting; removing and disassembling the traffic signals and lighting; loading, transporting, and unloading the salvaged traffic signal and lighting materials from the construction site to the designated location.

The removal of concrete bases and the pull boxes will be paid for separately under the pertinent items provided in the contract.

47. Transport and Install City Furnished EVP (Stewart Avenue & S 72nd Avenue), Item SPV.0060.06.

A Description

This special provision describes transporting and installing a City Furnished Emergency Vehicle Preemption (EVP) system on the traffic signals at Stewart Avenue and South 72nd Avenue.

B Materials

Pick up the City furnished materials at the City of Wausau Electrical Shop at 400 Myron Street, Wausau, WI.

Notify the contractor's electrical contact shown on the plans to make arrangements for picking up the contractor furnished materials at least five working days prior to picking the materials up.

C Construction

Install the EVP as shown on the plans. The contractor will confirm the exact location to ensure that the installation does not create a sight obstruction. Mount the EVP and wire per the manufacturer instructions.

D Measurement

The department will measure Transport and Install City Furnished EVP (location) by each intersection location, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.06	Transport and Install City Furnished EVP (Stewart Avenue & S 72nd Avenue)	EACH

Payment is full compensation for transporting and installing City Furnished Emergency Vehicle Preemption (EVP) system including any mounting brackets and hardware.

Wiring to the EVP will be paid for under the pertinent item in the contract.

48. Temporary Water Service, Item SPV.0060.07.

A Description

This special provision describes maintaining water services to existing buildings.

B Materials

Supply all temporary water main and service materials along with all fittings necessary to supply temporary water to property owners along the street who will be affected by the water main replacement. The material shall not alter the smell or taste of the water and meet all federal and state requirements for potable water supply.

C Construction

Before beginning water main work, submit a written plan to engineer that describes how water service will be maintained to existing buildings and how many temporary services will be required.

Contact all property owners and making the necessary arrangements with the residents to supply temporary water. Provide to the City of Wausau, the engineer, and all property owners connected, a phone number that will be monitored 24 hours a day for the duration of any active temporary water system.

Temporary water systems hooked to Hydrants require a Reduced Pressure Principal Backflow Prevention Assembly (RPZ) device installed at the Hydrant connection. Register and ensure Code Compliance for any RPZ device per the Wisconsin Department of Safety and Professional Services Section 382.

Temporary water systems hooked directly to existing watermains do not require a RPZ device but require an inline valve installed to directly control the temporary water line.

The temporary water main shall be chlorinated, flushed and a sample collected by the contractor to be tested and deemed safe by the Marathon County Health Department before connections to houses and businesses are made. Connections to hose bibs or other fixtures are not allowed. Connections to houses and businesses shall be made at the existing curbstop location only. These connections shall be made on the street side so that the existing curbstop is left in operation.

The contractor is also responsible for daily inspections and maintenance of the system to ensure a reliable service. Any necessary adjustments or maintenance to the temporary water service shall be included in this item.

D Measurement

The department will measure Temporary Water Service as a unit for each individual temporary water service, 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	Temporary Water Service	EACH

Payment is full compensation for preparing a temporary service plan; for furnishing and installing all materials; coordination; testing and maintenance; and for removing temporary service when no longer needed.

49. Abandoning Sanitary Structure, Item SPV.0060.08.

A Description

This special provision describes abandoning sanitary manholes.

B Materials

B.1 General

Furnish backfill slurry according to the pertinent requirements of standard spec 209 except as hereinafter modified. Use aggregates that conform to standard spec 501 for Grade A Concrete. Weigh aggregates at a batch plant suitable for batching concrete masonry. deliver to the project site using a truck mixer. Add enough water to enable the mixture to flow readily.

C Construction

C.1 General

This work includes abandoning existing sanitary manholes in place, according to the plans, the Standard Specifications for Highway and Structure Construction, latest edition and amendments, Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition and amendments (SSSW), the "Special Provision Notes for Sanitary Sewer Work" as found in the plans, and as hereinafter provided and these special provisions.

Contractor shall deliver all removed existing frames and covers to the DPW yard after the work is completed. Contact the Dustin Kraege, City of Wausau Public Works Superintendent at (715) 261-6960 to coordinate delivery of manhole frames and covers.

Remove existing frame and cover.

Clean manhole thoroughly. Plug the existing pipe with an 8-inch brick or concrete wall. Remove the walls of the structure to a depth of 3 feet below grade or to the base if directed by the engineer. Fill the excavation with backfill slurry, to existing surface or to appropriate depth for pavement restoration.

Maintain satisfactory bypass service during these operations.

Provide by-pass pumping of wastewater around the construction zone during working hours.

During non-work hours, provide temporary connection of replacement sanitary sewer to existing sanitary sewer to provide uninterrupted sanitary sewer service.

D Measurement

The department will measure Abandoning Sanitary Structure as a unit for each individual manhole, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.08	Abandoning Sanitary Structure	EACH

Payment is full compensation for furnishing and installing all materials; for surveying; for providing positive drainage of the area to be backfilled; for furnishing and placing backfill slurry; for salvaging frames and covers and for disposing of materials.

- 50. Connecting Sanitary Sewer, Item SPV.0060.09;
Manholes Sanitary 4-FT Diameter, Item SPV.0060.34;
Manholes Sanitary 5-FT Diameter, Item SPV.0060.10;
Manholes Sanitary 6-FT Diameter, Item SPV.0060.11;
Sanitary Manhole Covers Type J-Special, Item SPV.0060.12;
Sanitary Sewer PVC Wyes, Item SPV.0060.13;
Sanitary Sewer Force Main Cleanout, Item SPV.0060.14;
Air Release Valve and Vault, Item SPV.0060.29;
Sanitary Sewer 8-Inch, Item SPV.0090.05;
Sanitary Sewer 15-Inch, Item SPV.0090.06;
Sanitary Sewer 21-Inch, Item SPV.0090.07;
Sanitary Sewer Force Main 12-Inch, Item SPV.0090.08;
Sanitary Sewer 15-Inch in Casing, Item SPV.0090.09;
Sanitary Sewer Laterals, Item SPV.0090.10.**

A Description

This section describes providing sanitary sewer and all associated items.

B Materials

B.1 General

Supply American Made materials for all sanitary sewer items installed under this contract. All materials installed under this contract shall be new.

Where materials are herein specified by reference to an ASTM or AASHTO Specification, the contractor shall furnish to the owner, written certifications from the materials manufacturer certifying that all the materials furnished comply in all respects with the requirements of the referenced specifications.

B.2 Manholes

Precast concrete pipe manhole sections shall be in compliance with the latest ASTM C478.

Plain and reinforced concrete used in the structures, connections of new and existing pipes with structures, support of structures or frames, shall be Grade A air-entrained concrete conforming to the requirements of standard spec 501.

Manhole steps shall be a reinforced style step and shall conform to the latest revision of ASTM C478 and AASHTO M199.

See detail in the plans and provide all materials shown to construct a new sanitary manhole or partially reconstruct an existing sanitary manhole.

B.3 Butyl Based Wrap

Install a Butyl Based Wrap, Press-Seal Corporation EZ-Wrap Joint Wrap, at all manhole section joints.

B.4 Manhole Frames and Covers

Provide a Manhole Cover Type J-Special according to standard spec 611 for all sanitary manholes.

B.5 Adjusting Rings

Cretex Pro-Ring adjustment rings, each ring being 4 inches or less.

B.6 External Chimney Seal

One piece watertight flexible external chimney seal such as Adaptor, Inc. "I/E.A. Seal", Cretex Specialty Products "External Manhole Chimney Seal", Sealing Systems, Inc. "Infi-Shield Uniband", or approved equal. All seals shall meet the requirements of ASTM D: 2240,412, 1149, 395 Method B, 573, 471 and 2137.

B.7 Pipe

B.7.1 Polyvinyl Chloride (PVC) Pipe

Polyvinyl chloride (PVC)-standard dimension ration (SDR) 35 pipe shall conform to the requirements of the latest revision of ASTM Specifications Designation D3034. The maximum pipe length shall be 14.0 feet. Use for all gravity sanitary sewer installations.

Polyvinyl chloride (PVC) C900 pipe shall conform to the requirements of AWWA C900 for 4 inch through 12 inch and AWWA C905 for 14 inch through 36 inch, and shall be furnished with integral elastomeric bell and spigot joints. The pipe diameter shall conform to the O.D. of ductile iron pipe. The pressure class rating of the PVC pipe shall be a minimum of 150 psi. The PVC pipe shall be solid wall and green in color for in-ground identification. The maximum pipe length shall be 14.0 feet. Use for all sanitary force main installations.

B.7.2 Ductile Iron (DI) Pipe

Ductile iron (DI) pipe shall conform to the requirements of the latest revision of AWWA C-151 (ANSI 21.51), cement mortar lined with internal and external bituminous coating and furnished with either push-on or mechanical joints with rubber gaskets. Use for all force main sanitary sewer installations.

B.8 Flexible Watertight Seals

Pipes introduced into existing precast manholes shall be installed using a flexible watertight seal, Press-Seal Corporations Direct Drive Nitrile Connector. All seals shall meet the physical requirements of ASTM C443 and the performance requirements of both ASTM C425 and C443.

Pipes introduced into existing brick or block manholes shall be installed using a flexible watertight adapter. The adapter shall be the Fernco Large Diameter Concrete Manhole Adapter. All adapters shall meet the requirements of ASTM D 5926.

B.9 Joints and Connections

B.9.1 Polyvinyl Chloride (PVC) Joints

Joints for PVC sewer pipe shall be joined by elastomeric joints. Rubber rings and spigot joints shall have the rubber ring securely locked in position. The rubber ring shall meet ASTM Designation D3034.

B.9.2 Ductile Iron (DI) Joints

Joints on all ductile iron pipe shall conform to the latest revision of ANSI A21.11 (AWWA C111) with rubber gaskets unless otherwise specified.

B.9.2.1 Mechanical/Megalugs

All mechanical joint locations on all ductile iron pipe shall have Megalug mechanical joint restraints installed conforming to the latest revision of AWWA C600 or ASTM D2774.

B.9.3 Dissimilar pipe joints

Connections between different types of pipe or where two pipes of the same material meet without a bell and spigot are to be made using non-shear style couplings, Fernco Strong Back RC 5000 Series. The couplings shall meet ASTM Designations C-1173 and D-5926.

B.10 Sanitary Sewer in Casing

B.10.1 Pre-Manufactured Casing Spacers

Pre-manufactured casing spacers intended to position carrier pipe in casing and restrain against movement (including floatation). Casing spacers shall consist of stainless steel or epoxy-polymer-coated steel band and risers, elastomeric liner, abrasion resistant polymer skids/runners, and stainless steel fasteners.

B.10.2 Pre-Manufactured Casing End Seals

Pre-manufactured synthetic rubber casing end seal with minimum 1/8 in. thickness and stainless steel band and fasteners.

B.11 Fittings

B.11.1 Wyes

B.11.1.1 Polyvinyl Chloride (PVC) In-Line Wye

Shall be used when installing new PVC sanitary main for connections to new or existing laterals. The wye shall conform to the requirements of the latest revision of ASTM Specifications Designation D3034.

B.11.1.2 Solvent Cement Weld PVC Live Main Tap Saddle Wye

Shall be used when connecting sewer laterals to existing PVC sewer mains. The wye shall conform to the requirements of the latest revision of ASTM Specifications Designation D-2564.

B.11.1.3 Cured-In-Place-Pipe (CIPP) Live Main Tap Saddle Wye

Shall be used when connecting sewer laterals to sewer mains lined with CIPP. Saddles are to be LMK Technologies – LMT Saddle Kits. Each kit consists of one saddle, a paint stick and the appropriate amount of LMT adhesive for each application. These are the only approved saddles and adhesive for connections to CIPP. Two stainless steel adjustable bands per saddle are also required but are not part of the kit.

B.11.1.4 Rubber Saddle Wye

Rubber Saddle Wyes are not allowed unless specifically called out on the plans.

B.11.2 Sanitary Force Main Fittings

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

The usage of "compact ductile iron" mechanical joint water main fittings shall be permitted providing they meet the following specifications:

- Materials - Ductile Iron ASTM A536, AWWA C110 (ANSI A21.10)
- Pressure - Class 350 AWWA C153 (ANSI A21.10) 350 PSI water working pressure

- Testing - AWWA C153 (ANSI A21.10)
- Gasket - AWWA C111 (ANSI A21.11)
- Bolts - AWWA C111 (ANSI A21.11)
- Lining - Inside coating shall be bituminous material conforming to AWWA C104 (ANSI A21.4)

B.12 Sanitary Force Main Valves

B.12.1 Valves

All valves shall comply with the latest revisions of AWWA Standard C-515. Unless otherwise specified all valves shall be mechanical-joint, resilient wedge gate valves. Valves shall open counter-clockwise (left hand opening). The only valves acceptable shall be (1) AFC/Waterous or (2) Mueller.

Provide all necessary fittings, sleeves, and appurtenances to connect the valve to the sanitary sewer force main.

B.12.2 Air Release Valve and Vault

Sewage combination air valve (single body, double orifice) shall allow large volumes of air to escape or enter through the larger diameter air and vacuum orifice when filling or draining a pipeline. When the pipeline is filled and under pressure the large air and vacuum orifice shall stay closed, but the smaller diameter air release orifice shall remain operative and open to allow small pockets of air accumulating, to escape automatically and independently of the large orifice.

The large air and vacuum orifice shall shut-off when the free floating center guided plug is raised, into the orifice, by the lifting force of the concave bottom float. The large orifice shut-off shall be "without spilling". The float shall be heavily constructed stainless steel; hermetically sealed; and having a concave bottom impact area to provide immediate resistance to flow an instant upwards movement to shut off the large orifice "without spilling". The nitrile synthetic rubber seat shall be fastened to the valve cover, without distortion for drop tight shut-off. Provide one blow-off valve, one flush valve and a minimum 5 feet of rubber hose with quick disconnect couplings for back flushing.

Valve exterior shall be painted Universal Metal Primer for high resistance to corrosion. Materials of construction shall be certified to conform to ASTM A126 GR.B and ASTM A240T304.

Vault: Furnish a 60-inch precast manhole and manhole frame and cover to enclose the sewage combination air valve with attachments. Vault to be provided according to B.2 Manholes and B.4 Manhole Frames and Covers per the detail shown on the Drawings.

B.12.3 Valve Boxes

Valve boxes shall be cast iron conforming to ASTM Designation A-48, Class 20 shaft screw type boxes of adequate length to extend from the valve to the finished grade. Box covers shall be clearly marked "Sewer". The box shall be coated with a one mil thickness of bituminous coating.

B.12.4 Valve Box Adapters

Valve Box Adapters shall be used when installing Valve Boxes.

B.13 Sanitary Sewer Laterals

Schedule 40 PVC: pipe, bends, transition couplings or other fittings of 4-inch or 6-inch diameter.

B.14 Tracer Wire

Tracer wire is to be GREEN No. 10 gauge THWN, THHW, XHHW, or XHWN solid copper wire with a plastic corrosion protective coating. Use on all polyvinyl chloride (PVC) pipe installations.

B.14.1 Electrical Conductor

For sanitary force main installations using ductile iron (DI) pipe, electrical conductors shall be used. All joints, mechanical and push-on, shall have an electrical conductor between bell and spigot pipe ends. Capacity shall be sufficient to carry a minimum of 400 amps current at each joint and meet the approval of the engineer. Straps are preferred however other methods are allowed depending on the style of pipe being used. Lead tip gaskets and bronze wedges will not be accepted.

B.15 Ground Clamp

Brass, split-ring ground clamp.

B.16 Wire Nuts

Waterproof, silicon-filled wire nuts.

B.17 Tracer Wire Box

Metal Capped tracer wire box, Copperhead Industries – SnakePit Magnetized Tracer Wire Box.

B.18 Foundation Backfill (Manhole & Pipe Bedding), Initial Trench Backfill and Trench Backfill

B.18.1 Foundation Backfill

Class B Foundation Backfill: Furnish backfill conforming to standard spec 520.2.5.2. Native soils conforming to this specification may be used.

B.18.2 Initial Trench Backfill

Class B Initial Trench Backfill: Furnish backfill conforming to standard spec 209.2 or 520.2.5.2. Native soils conforming to these specifications may be used.

B.18.3 Trench Backfill

May consist of suitable native soils with proper moisture content for maximum compaction. Backfill shall not contain rocks, blasted rock fragments, or cobbles greater than six inches in diameter, except occasional rocks or cobbles of ten inches diameter or less may be used if surrounded by a matrix of material less than six inches in diameter. All roots, debris, rocks, or large stones or other unsuitable materials which in the opinion of the engineer would cause interference with the compaction requirements shall not be permitted in the backfill. The contractor may blend backfill materials to achieve acceptable quality; however, the foregoing requirements shall be strictly observed, or the backfill shall be re-excavated and replaced at the contractor's expense.

C Construction

C.1 General

C.1.1 Soils

Follow Class B Foundation Backfill, Initial Trench Backfill and Trench Backfill requirements listed above. The Foundation and Initial Trench Backfill shall provide lateral support against deflection of the pipe diameter and shall prevent any subsequent settlement which might result in excessive pressure and consequent rupture of the pipes.

Requirements for Foundation Backfill and Initial Trench Backfill will control the placement and compaction of granular material to 12 inches above the pipes or around manholes. Backfill the remainder of the trench after initial backfill requirements have been satisfied using Trench Backfill and mechanical compaction methods. Trench Backfill shall be compacted in lifts not to exceed 8 inches in compacted depth. The contractor shall have a vibratory type compactor in operating condition on the job site before starting to backfill. The entire fill shall be compacted to not less than 95 percent of maximum density at optimum moisture as determined according to the modified Proctor Test, AASHTO T180-10. Jetting or puddling to obtain compaction will not be permitted.

C.1.2 Cleanup During the Work

As the work progresses, all rubbish or refuse, and all unused materials and tools, shall be removed at once from the site. Whenever this clearing of rubbish from the streets, or the repairing of the street surfaces, fences or other damage is neglected, notice may be given to the contractor; and if said rubbish is not removed or said repairing is not done within two days thereafter, or if the contractor does not at once take the necessary precaution to ensure safety of public travel, the Board of Public Works may employ other parties to do such work, and the expense thus incurred will be deducted from any monies due or that may become due the contractor.

No excavated material, except the road surfacing and a limited amount of sand and gravel to be used for backfill shall be left on the streets.

When for any reason, the work is left unfinished, all trenches and excavation shall be filled and the roadways and sidewalk left unobstructed, and with the surfaces in safe and satisfactory condition.

Sanitary sewer shall be laid according to the separation requirements listed in Wisconsin Department of Natural Resources Code NR 811 and Wisconsin Administrative Code SPS 382. See details in the plans.

C1.3 Use of City Water

Water is available for purchase from the City of Wausau at the following locations: Wausau Water Works Utility Meter Shop, 1701 N. River Dr.; Well #11, 1739 Tierney Rd. and at a portable location – (contact Wausau Water Works Utility for location – (715) 261-7262).

C.2 Manholes

Manholes shall be constructed at the location shown on the plans and in conformity with the lines, grades and dimensions shown on the plans or as required by the engineer. Manholes shall be made of concrete pipe or ring sections, consisting of precast flat bases, risers, tapered sections with conical or truncated cones, precast covers, manhole frames, covers and flexible watertight seals at all pipe openings.

Manhole sections shall be sealed with a mastic type material between the sections. See details in the plans.

Excavate the trench to at least 6 inches below the elevation established for the bottom of the manhole. Backfill to this depth with Foundation Backfill. Mechanically compact the Foundation Backfill before installing the manhole. The trench shall be dry and free of all standing water prior to installing the manhole. After installing the manhole, place and mechanically compact the Initial Trench Backfill to an elevation of 12 inches above all connected pipes (existing and new) to provide full and continuous support. Do not place lifts more than 6 inches thick as measured after compaction. Compact the entire layer before placing the next layer. Do not compact by flooding.

Manholes shall be backfilled with Class B Initial Trench Backfill for the entire depth of the manhole and a minimum of 1 foot around the manhole until the subgrade of the proposed road or the proposed surface elevation is reached.

For partial reconstruction of existing sanitary manholes, complete construction also according to standard spec 611.3.

C.3 Butyl Based Wrap

A butyl based wrap shall be installed on the outside of all manhole section joints. See details in the plans. Install wrap according to manufacturer's specifications. Contractor shall clean areas around joints to be wrapped so they are free from dirt and debris. A minimum of a 9 inch wrap centered on each exterior joint is required. No leakage will be permitted.

C.4 Manhole Frames and Covers, Adjusting Rings, and External Chimney Seal

The manhole frame and cover shall be brought flush with the specified designed grade with 4 to 12 inches, each ring being 4 inches or less. Contractor shall clean the top of the manhole cone or cover so it is free of dirt and debris before installing the adjusting rings with manufacturer approved sealant. Two beads of sealant are required between the concrete manhole surface and the initial adjusting ring. Install the remaining rings by manufacturers recommended practices to an elevation and slope so that the frame and cover will align with the grade and slope of the proposed finished pavement or grade. Install the frame and cover on the adjusting rings using two beads of sealant between the top adjusting ring and the manhole frame. An external chimney seal shall then be installed and shall cover all adjusting rings and extend to a minimum depth of 4 inches over the cone of the manhole at the bottom and over the flange of the manhole frame at the top. See detail in the plans.

C.5 Pipe

C.5.1 Polyvinyl Chloride (PVC) Pipe

Pipe shall be installed according to ASTM Specification D-2321.

Excavate the trench to at least 6 inches below the elevation established for the bottom of the pipe.

Backfill to this depth with Foundation Backfill. Mechanically compact Foundation Backfill before laying the pipe. The trench shall be dry and free of all standing water prior to installing the pipe. The laying of pipes in finished trenches shall be commenced at the lowest point, so that the spigot ends point in the direction of flow. All pipes shall be laid with ends abutting and true to the location, line and grade as shown on the plans. They shall be fitted and matched so that when laid they will form a sewer with a smooth and uniform invert. After laying the pipe, place and mechanically compact Initial Trench Backfill to an elevation of 12 inches above the pipe to provide full and continuous support. Do not place lifts more than 6 inches thick as measured after compaction. Compact the entire layer before placing the next layer. See pipe bedding details in the plans for trench dimensions.

Not more than 300 feet of trench shall be open at any one time: (1) in advance of the completed pipe, or (2) remain after installation of the pipe, except upon special written permission of the engineer. In no such case shall more than one street crossing be obstructed by the same trench at any one time. It shall be the contractor's responsibility to adequately secure any trench left open.

The contractor shall carefully inspect each pipe and those not meeting the specifications shall be rejected. No pipe shall be laid except in the presence of the engineer or his representative, and the engineer may order the removal and relaying of any pipe not properly laid at the contractor's expense.

C.5.2 Ductile Iron (DI) Pipe

The contractor shall have sufficient and adequate equipment on the site for unloading and lowering pipe, fittings, hydrants and valves into the trench. Extreme care shall be exercised by the contractor in handling all pipe, fittings, hydrants and valves so as to prevent breakage and coating damage. Any significant damage to coating shall be repaired before installation. Under no circumstances shall pipe, fittings, hydrants or valves be dropped into the trench or so handled as to receive hard blows or jolts. All mud or concentration of soil shall be removed prior to installation.

The pipe shall be inspected for defects and while suspended above grade, be rung with a light hammer to detect cracks according to AWWA 600.

All pipe shall be laid to a depth of 7 foot 0 inches from established street grade to top of pipe, unless specified otherwise. Insulation may be required where cover is not sufficient to protect the pipe from frost.

Excavate the trench to at least 6 inches below the elevation established for the bottom of the pipe.

Backfill to this depth with Foundation Backfill. Mechanically compact Foundation Backfill before laying the pipe. The trench shall be dry and free of all standing water prior to installing the pipe. Pipe shall be laid with bell ends facing the direction of laying, unless directed otherwise by the engineer. Every precaution shall be taken to prevent foreign material from entering the pipe while it is being placed in the trench. If the pipe cannot be placed without getting earth into it, the engineer may require that before lowering the pipe into the trench, a heavy tightly woven canvas bag of suitable size shall be placed over each end and left there until the connection is to be made to the adjacent pipe. During laying operations, no debris, tools, clothing, or other materials shall be placed in the pipe. All lumps, blisters, and excess coal-tar coating shall be removed from the bell and spigot end of each pipe, and the outside of the spigot and the inside of the bell shall be wire brushed and wiped clean and dry, free from oil and grease before the pipe is laid. After placing a length of pipe in the trench, the spigot end shall be centered in the bell and the pipe forced home and brought to correct line and grade. At times when pipe laying is not in progress, the open ends of pipe shall be closed by a watertight plug or other means approved by the engineer. This provision shall apply during the noon hour as well as overnight. If any water is in the trench, the plugs shall remain in place until the trench is pumped completely dry. After laying the pipe, place and mechanically compact Initial Trench Backfill to an elevation of 12 inches above the pipe to provide full and continuous support. Do not place lifts more than 6 inches thick as measured after compaction. Compact the entire layer before placing the next layer. See pipe bedding details in the plans for trench dimensions.

The cutting of pipe for inserting valves, fittings or closure pieces shall be done in a neat and workmanlike manner without damage to the pipe or cement lining and so as to leave a smooth end at right angles to the axis of the pipe. All pipes shall be cut with an approved mechanical cutter. The cut end of a pipe to be used with rubber gasket joints shall be tapered by grinding or filing about 1/8-inch back at an angle of approximately 30 degrees with the center line of the pipe, and any sharp or rough edges shall be removed.

Any water main that is within 12 inches under or over storm sewer must be insulated at that point (2-inch polystyrene insulation or equivalent is to be used).

Wherever it is necessary to deflect pipe from a straight line, either in vertical or horizontal plane, to avoid obstructions or plumb stems, or where long-radius curves are permitted, the amount of deflection allowed shall not exceed the standards recommended by the manufacturer.

Not more than 300 feet of trench shall be open at any one time: (1) in advance of the completed pipe, or (2) remain after installation of the pipe, except upon special written permission of the engineer. In no case shall such more than one street crossing be obstructed by the same trench at any one time. It shall be the contractor's responsibility to adequately secure any trench left open.

The contractor shall carefully inspect each pipe and those not meeting the specifications shall be rejected. No pipe shall be laid except in the presence of the engineer or his representative, and the engineer may order the removal and relaying of any pipe not properly laid at the contractor's expense.

C.5.3 Pipe in Casing

Install carrier pipe in casing.

Support carrier pipe for its entire length either by means of hardwood planks strapped to pipe in such a way as to support pipe and prevent it from resting on casing pipe, or by means of pre-manufactured casing spacers designed for casing pipe use. Space and install pre-manufactured casing spacers according to the manufacturer's recommendations based on type and diameter of carrier pipe.

Fill void space between casing and carrier pipes with blown sand.

Seal ends of casing with pre-manufactured casing end seals.

C.6 Flexible Watertight Seals

The pipe to manhole connections shall be made water tight by adequately sealing the openings with flexible watertight seals.

C.6.1 Existing Precast Manholes

Where new PVC pipes are introduced into existing precast manholes, mechanically core a round hole of a suitable size to accommodate the proposed pipe size and a flexible watertight seal. Install the seal according to the manufacturer's directions. All seals shall meet the physical requirements of ASTM C443 and the performance requirements of both ASTM C425 and C443. See detail in the plans.

C.6.2 Existing brick or block Manholes

Where new PVC pipes are introduced into existing brick or block manholes, cut a hole of a size suitable to accommodate the proposed pipe size and a flexible watertight adapter, but not greater than 4 inches above the outside diameter of the adapter. Install the adapter on the pipe and insert pipe into the manhole so the adapter is centered in the wall of the manhole horizontally and centered in the hole vertically. Mortar the hole shut to a minimum thickness of the existing manhole. The entire adapter shall be encased within the mortar. All adapters shall meet the requirements of ASTM D 5926. See detail in the plans.

C.7 Joints and Connections

Pipe joints and connections shall be installed with the construction methods listed above for pipe.

C.7.1 Mechanical Joints/Megalugs

The contractor shall install Megalugs at all mechanical joint connections according to the manufacturer's specifications.

C.8 Fittings

C.8.1 Wyes

All wyes shall be placed at an angle of not less than 45-degree with the vertical plane of the sewer main. When the flow line of the sewer main is less than 12 feet below the curb grade, the wye shall be placed as shown on the plans without the use of riser pipe. Where sewer mains are of a depth greater than 12 feet below the curb grade, the wye connection may be brought to a point 9 feet below the curb grade, by means of a 4-inch or 6-inch riser from the wye. When a riser is used, it shall be plumb and all joints unbroken. If groundwater is present, riser pipes shall be installed to an elevation above the groundwater, if so desired by the engineer. All risers shall be marked with a pressure treated 2x4 extending two feet below the top of the riser and three feet above it. The contractor shall construct an 18-inch diameter poured concrete support around the connection with the sanitary sewer main of those laterals which require a vertical riser section. Refer to the detail shown in the plans for riser construction.

C.8.1.1 Polyvinyl Chloride (PVC) In-Line Wye

Wyes shall be installed with the same construction methods listed above for pipe and according to ASTM Specification D-2321. Wyes shall be of such dimension to accommodate a 4-inch or 6-inch diameter Schedule 40 PVC sanitary sewer lateral pipe and have rubber ring gaskets. The wye is placed in-line of the new main to align with new or existing lateral locations.

C.8.1.2 Solvent Cement Weld PVC Live Main Tap Saddle Wye

This wye shall be installed by cutting a lateral opening into the existing PVC sewer main of the same dimension as the opening in the wye. The contractor shall clean the saddle and host pipe. Apply solvent cement to both the main and the saddle. Position the saddle on the main so the openings on the main and saddle are aligned. Proper cure time for the solvent cement must be achieved prior to connecting laterals and backfilling around the saddle.

C.8.2 Sanitary Force Main Fittings

Fittings shall be installed with the construction methods listed above for pipe. Fittings shall be inspected for defects prior to installation. Any fittings found to be defective shall not be installed.

C.9 Sanitary Force Main Valves

Valves shall be installed with the construction methods listed above for pipe.

Valves shall be inspected for defects prior to installation. Any valves found to be defective shall not be installed.

Valves shall be installed at locations shown on the plans or as directed by the engineer. Typically located in the street on property lines extended, unless shown otherwise on the plans. Concrete blocks of suitable size to support the valve being installed shall be placed on a compacted base under each valve.

Valves shall be backfilled with Class B Initial Trench Backfill from the bottom of the concrete block to 1 foot above the wrenchnut of the valve.

C.10 Air Release Valve and Vault

Install the painted air release valve per the Manufacturer's recommendations.

Valve shall be sewage combination air valve with attachments and should be fit within the valve vault and be supported.

Install a 60-inch precast vault to the elevations provided in the Drawings along the Sanitary Sewer Force Main. Construct vault with cover according to section C.2 Manholes and C.4 Manhole Frames and Covers above and the plans.

C.11 Sanitary Force Main Valve Boxes

A valve box shall be provided for every valve which has no gearing or operating mechanism or in which the gearing or operating mechanism is fully protected with a cast iron grease case. The valve box shall not transmit shock or stress to the valve and shall be centered and plum over the wrenchnut of the valve, with the box cover flush with the surface of the finished pavement, or such other level as may be directed. Valve boxes shall be installed using valve box adapters.

Valve Boxes shall be backfilled with Class B Initial Trench Backfill for the entire depth of the valve box and a minimum of 1 foot around the valve box until the subgrade of the proposed road or the proposed surface elevation is reached.

For existing sanitary sewer valve boxes to be replaced; locate, expose, and provide the existing sanitary sewer valve, furnish and install a new sanitary sewer valve box; and adjust the sanitary sewer valve box to the finished elevation.

C.12 Sanitary Sewer Laterals

Laterals shall be installed using construction methods listed above for pipe.

The right is hereby reserved to connect laterals with any sewer or sewers, herein described at any time before completion of the project and no extra allowance to the contract will be made.

The contractor shall be responsible for reconstructing all sanitary sewer laterals as shown on the construction plans or as located in the field from the sewer main to the right-of-way.

Newly installed laterals shall have a pipe diameter of equal or greater size than the existing lateral at the point of connection. Under no circumstance is "Downsizing" allowed.

Construct laterals using SCH 40 PVC pipe, bends and fittings from the wye or riser to the right-of-way unless otherwise directed by the engineer. The connection at the right-of-way to the existing lateral pipe shall be made using non-shear style couplings meeting ASTM Designations C-1173 and D-5926.

Sanitary sewer lateral connections shall not be less than 8 feet below the curb grade except in cases where the flow line of the sewer is less than 8.8 feet below the curb grade. In all such cases the flow line of the lateral connection shall not be more than 1/4 inch per foot grade above the flow line of the sewer main. The existing sanitary sewer lateral pipe material is assumed to be PVC, vitrified clay, concrete, cast iron, orangeberg or asbestos. It shall be the contractor's responsibility to more accurately determine the size and type of each lateral and provide all equipment, labor and materials of 4-inch or 6-inch diameter to accomplish the reconnection.

C.13 Tracer Wire, Ground Clamp, Wire Nuts & Tracer Wire Box

Tracer wire shall be installed on new PVC sewer laterals from the connection to the wye at the main to the furthest end of the lateral excavation by strapping the wire to the pipe walls by means of a minimum of two complete wraps of electrical tape at intervals of a maximum of 20 feet, and at all bends.

If splicing is required, the use of a direct bury, waterproof splice site is required.

When sewer and water laterals are installed in the same trench, follow the installation method listed above until reaching the curbstop stack. From this point tracer wires shall be brought to the surface vertically by strapping them to the stack with electrical tape and a connected by a brass, split-ring ground clamp directly below the top of the stack and capped with a waterproof, silicon-filled wire nut. The wire shall have some slack to allow for vertical adjustment of the curbstack. When the sanitary sewer and water laterals are in separate trenches a 1-inch PVC pipe shall be placed vertically at the end of the sewer lateral trench. The tracer wire shall be installed within the PVC pipe from the lateral to near the surface of the ground and connected to a tracer wire box. The PVC pipe and the tracer wire box should overlap a minimum of 6 inches.

Tracer wire installation requires that access points be left at least every 300 feet.

Tracer wire must be accessible at one end, both ends if possible.

Wire junctions between new sewer lateral tracer wires and existing tracer wires from a building shall be made using a direct bury, waterproof splice.

When the sewer lateral has previously been extended into a lot, the tracer wire shall be dead-ended at the furthest end of the excavation.

Dead-ended tracer wires shall be capped with a waterproof, silicon-filled wire nut.

Depending upon specific installations, the City of Wausau Department of Inspection and Electrical Systems (Plumbing Inspector) may require tracer wiring for cleanout location(s), yard hydrants, etc. Coordinate with the engineer.

To preserve continuity, if a tracer wire is damaged or severed, it shall be repaired or replaced within five business days.

Proof of continuity may be required upon installation, repair and/or replacement of tracer wiring.

Tracer wire boxes shall be installed so that the top of the box will align with the grade and slope of the proposed finished grade at that location.

C.14 Electrical Conductor

Electrical conductors shall be installed at all joint connections, mechanical and push-on according to the manufacturers specifications and shall be able to sufficient to carry a minimum of 400 amps current. A final conductivity test may be made on each section of line by the Wausau Water Works Utility. The contractor shall, at the request of the Wausau Water Works Utility provide any assistance in performing those tests. Any failing test(s) shall require the contractor to locate and correct the point(s) of failure. Any assistance provided or correction of failing tests shall be made at the contractor's expense.

C.15 Insulation

Place a 4-foot wide sheet of insulation centered above the utilities as shown on the plans or as directed by the engineer using the applicable bid item provided in the contract.

C.16 Foundation Backfill (Manhole & Pipe Bedding), Initial Trench Backfill and Trench Backfill

Foundation backfill used beneath manholes or pipe; Initial Trench backfill used for haunching around the pipe or for initial backfill around manholes or over the top of the pipe; and Trench Backfill shall be carefully placed so as not to disturb the alignment of the manhole or pipe nor cause distortion of the pipe; it shall be carefully compacted by hand or mechanical methods in 6-8 inch lifts to at least 95 percent of modified Proctor Test, AASHTO T180-10.

C.17 Infiltration

C.17.1 Groundwater

Where groundwater is encountered during the construction, all pipe joints for the sewer line shall be of such quality that there shall be no perceptible infiltration of groundwater into the sewer from any single pipe joint.

C.18 Performance Tests

C.18.1 Television Inspection of Sanitary Sewers

Television inspection of sanitary sewers shall be required on all mains installed under this contract. The contractor shall employ a subcontractor, approved by the engineer, to televise sanitary sewer mains. Televising shall be conducted within 30 days after completion of the sanitary sewer installation and after all backfill has been placed and consolidated, but before paving is constructed. The subcontractor shall be a specialist in such work and shall submit a comprehensive written report and a video recording of the installed sewer pipe interior periphery to the engineer. The contractor shall notify the engineer 48 hours prior to the commencement of this work. The City of Wausau shall provide an inspector to observe all television inspection.

C.18.2 Low Pressure Air Test (Sanitary Sewer)

The contractor shall furnish all necessary equipment for the low pressure air test. The contractor shall notify the engineer 48 hours prior to the commencement of this work. The City of Wausau shall provide an inspector to observe these tests. The testing equipment shall be set-up as illustrated in the Table I and Figure II at the end of this section. Sanitary sewer which has been newly constructed and has no service laterals connected must be tested. If active service laterals are connected to the sewer, the air test can be omitted.

C.18.3 Low Pressure Air Test Procedure (Sanitary Sewer)

- (1) Isolate the section of sewer line to be tested by means of inflatable stoppers or other suitable test plugs. One of the plugs shall have an inlet tap, or other provision for connecting a hose to a portable air control source.
- (2) If the test section is below the groundwater level, determine the height of the groundwater above the spring line of the pipe at each end of the test section and compute the average. For every foot of groundwater above the pipe spring line, increase the gage test pressures by 0.43 pounds per square inch.
- (3) Connect the air hose to the inlet tap and a portable air control source. The air equipment shall consist of necessary valves and pressure gages to control the rate at which air flows into the test section and to enable monitoring of the air pressure within the test section. Also, the testing apparatus shall be equipped with a pressure relief device to prevent the possibility of loading the test section with the full capacity of the compressor.
- (4) Add air slowly to the test section until the pressure inside the pipe is raised to 4.0 psig greater than the average back pressure of any groundwater that may be over the pipe.
- (5) After a pressure of 4.0 psig is obtained, regulate the air supply so that the pressure is maintained between 3.5 and 4.0 psig (above the average groundwater back pressure) for a period of two minutes. This allows the air temperature to stabilize in equilibrium with the temperature of the pipe walls. The pressure will normally drop slightly until temperature equilibrium is obtained. During this period all plugs should be checked with a soap solution to detect any plug leakage.
- (6) Determine the rate of air loss by the time pressure drop method. After the two minute air stabilization period, the air supply is disconnected and the test pressure allowed to decrease to 3.5 psig. The time required for the test pressure to drop from 3.5 psig to 2.5 psig is determined by means of a stopwatch and this time interval is then compared to the required time in the table given on Figure I to determine if the rate of air loss is within the allowable time limit. If the time is equal to or greater than the times indicated in the tables, the pipe line shall be deemed acceptable.
- (7) Upon completion of the test, the bleeder valve is opened and all air is allowed to escape. Plugs should not be removed until all air pressure in the test section has been released. During this time no one shall be allowed in the trench or manhole while the pipe is being decompressed.

FIGURE I

LOW PRESSURE AIR TEST TIME (MANHOLE TO MANHOLE)

Specification time (Min:Sec) required for loss of air pressure from 3.5 psig to 2.5 psig for size and length of pipe indicated. (Based on 0.003 cfm per sq. ft. with a minimum loss of 2.0 cfm.)

LENGTH OF TEST SECTION (LF)	PIPE DIAMETER "D" IN INCHES								
	4	6	8	10	12	15	18	21	24
25	0:04	0:10	0:18	0:28	0:40	1:02	1:29	2:01	2:38
50	0:09	0:20	0:35	0:55	1:19	2:04	2:58	4:03	5:17
75	0:13	0:30	0:53	1:23	1:59	3:06	4:27	6:04	7:55
100	0:18	0:40	1:11	1:50	2:38	4:08	5:56	8:05	10:39
125	0:22	0:50	1:28	2:18	3:18	5:09	7:26	9:55	11:20
150	0:26	0:59	1:46	2:45	3:58	6:11	8:30	9:55	11:20
175	0:31	1:09	2:03	3:13	4:37	7:05	8:30	"	"
200	0:35	1:19	2:21	3:40	5:17	7:05	"	"	"
225	0:40	1:29	2:38	4:08	5:40	"	"	"	"
250	0:44	1:39	2:56	4:35	5:40	"	"	"	"
275	0:48	1:49	3:14	4:43	"	"	"	"	"
300	0:53	1:59	3:31	4:43	"	"	"	"	"
325	0:57	2:09	3:47	"	"	"	"	"	"
350	1:02	2:19	3:47	"	"	"	"	"	"
375	1:06	2:29	"	"	"	"	"	"	"
400	1:10	2:38	"	"	"	"	"	"	"
425	1:15	2:48	"	"	"	"	"	"	"
450	1:19	2:50	"	"	"	"	"	"	"
475	1:24	2:50	"	"	"	"	"	"	"
500	1:28	2:50	3:47	4:43	5:40	7:05	8:30	9:55	11:20

C.18.4 Pressure Test (Sanitary Sewer Force Main)

After the pipe has been laid and partially backfilled, all newly laid pipe, or any valved section thereof, shall be subjected to the hydrostatic pressure of 150 psi and held at that pressure for the duration of the test. The duration of each pressure test shall be at least 2 hours.

Each valved section of pipe shall be slowly filled with water and the specified test pressure, based on the elevation of the lowest point of the line or section under test and corrected to the elevation of the test gauge, shall be applied by means of a pump connected to the pipe in a manner satisfactory to the engineer. The pump, pipe connection, taps into the pipe and all necessary apparatus except gauges shall be furnished by the contractor. The owner will furnish the gauges for the test. The contractor shall furnish all necessary assistance for conducting the test.

Before applying the specified test pressure, all air shall be expelled from the pipe. If hydrants or blowoffs are not available at high places, the contractor shall make the necessary taps at points of highest elevation before the test is made and insert the plugs after the test has been completed.

C.18.5 Leakage Test (Sanitary Sewer Force Main)

Both pressure and leakage tests will be required. Both pressure and leakage tests may be conducted simultaneously.

A leakage test shall be conducted after the pressure test has been satisfactorily completed. The owner shall furnish the gauge and measuring device for the leakage test. The contractor shall furnish the pump, pipe, connections, and all necessary apparatus, and shall furnish all necessary assistance to conduct the test. The duration of each leakage test shall be two hours, and the main shall be subject to the pressure of 150 psi and held at that pressure for the duration of the test.

Leakage is defined as the quantity of water to be supplied into the newly laid pipe, or any valved section thereof, necessary to maintain the specified leakage test pressure after the pipe has been filled with water and the air expelled.

The allowable leakage at various pressure for pipe of various diameter is shown in Table 5. No pipe installation will be accepted until the allowable leakage in Table 5 is met. The allowable leakage for a pipeline is calculated by multiplying the leakage per hour per 1,000 feet at the average test pressure and for the diameter of pipe tested as obtained from the above mentioned table by the duration of the test in hours and the total length of the line being tested divided by 1,000. If the line under test contains sections of various diameters, the allowable leakage will be the sum of the computed leakage for each size.

The allowable leakage for Table 5 is based on the American Water Works Association Standard for the Installation of Cast Iron Water Mains (C-600) which requires that the leakage shall not exceed 11.65 gallons per day, per mile of pipe, per inch of nominal diameter, for mechanical joint and push-on joint pipe in 18-foot lengths evaluated at a pressure of 150 pounds per square inch.

Should any test of pipe laid disclose leakage greater than that specified, the contractor shall, at his own expense, locate and repair the defective joints until the leakage is within the specified allowance.

**TABLE 5
ALLOWABLE LEAKAGE PER 1000 FT. OF PIPELINE – GPH**

Avg. Test Pressure (psi)	3	4	6	8	10	12	14	16	18	20	24	30	36	42	48	54
450	0.48	0.64	0.95	1.27	1.59	1.91	2.23	2.55	2.87	3.18	3.82	4.78	5.73	6.69	7.64	8.60
400	0.45	0.60	0.90	1.20	1.50	1.80	2.10	2.40	2.70	3.00	3.60	4.50	5.41	6.31	7.21	8.11
350	0.42	0.56	0.84	1.12	1.40	1.69	1.97	2.25	2.53	2.81	3.37	4.21	5.06	5.90	6.74	7.58
300	0.39	0.52	0.78	1.04	1.30	1.56	1.82	2.08	2.34	2.60	3.12	3.90	4.68	5.46	6.24	7.02
275	0.37	0.50	0.75	1.00	1.24	1.49	1.74	1.99	2.24	2.49	2.99	3.73	4.48	5.23	5.98	6.72
250	0.36	0.47	0.71	0.95	1.19	1.42	1.66	1.90	2.14	2.37	2.85	3.56	4.27	4.99	5.70	6.41
225	0.34	0.45	0.68	0.90	1.13	1.35	1.58	1.80	2.03	2.25	2.70	3.38	4.05	4.73	5.41	6.03
200	0.32	0.43	0.64	0.85	1.06	1.28	1.48	1.70	1.91	2.12	2.55	3.19	3.82	4.46	5.09	5.73
175	0.30	0.40	0.59	0.80	0.99	1.19	1.39	1.59	1.79	1.98	2.38	2.98	3.58	4.17	4.77	5.36
150	0.28	0.37	0.55	0.74	0.92	1.10	1.29	1.47	1.66	1.84	2.21	2.76	3.31	3.86	4.41	4.97
125	0.25	0.34	0.50	0.67	0.84	1.01	1.18	1.34	1.51	1.68	2.01	2.52	3.02	3.53	4.03	4.53
100	0.23	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	1.50	1.80	2.25	2.70	3.15	3.60	4.05

C.18.6 Deflection Test

The entire length of the installed main line pipe shall be tested for acceptance with an approved go-no-go (mandrel) acceptance testing device. This device shall conform substantially to that shown on Figure II at the end of this section. The dimensions of the testing device shall be as shown on the following Table 1 which is based on a 5%, or 7.5% deflection of the following Base Inside diameter. The contractor shall furnish the testing device, all materials, equipment, and labor for making this acceptance test.

The test shall be conducted after all backfill has been placed and consolidated, but before paving is constructed. The 95% device shall be used if testing is done less than 30 days after consolidation. The 92.5% device may be used if testing is done 30 days or more after consolidation. Any section of the completed sewer failing to pass this test shall be repaired and retested. All testing shall be done under the observation of the engineer. For acceptance, the device must pass through the entire section between manholes or other structures in one pass when pulled by hand without the use of excessive force. Any section not meeting these requirements shall be repaired and tested. Note: The Base I.D. is a minimum pipe I.D. derived by subtracting a statistical tolerance package from the pipe's average I.D. The tolerance package is defined as the square root of the sum of squared standard manufacturing tolerances.

$$\text{Avg ID} = \text{AVG OD} - 2(1.06)t$$

$$\text{Tolerance Package} = (A^2 + B^2 + C^2)^{1/2}$$

Where:

A = OD Tolerance (ASTM D3034)

B = Excess Wall Thickness Tolerance = 0.06t

C = Out-of-Roundness Tolerance = 0.015 (Avg. OD)

t = Minimum Wall Thickness (ASTM D3034)

**FIGURE II
TESTING DEVICE DIMENSIONS FOR PVC PIPE**

NOMINAL SIZE (INCHES)	SDR 41 MINIMUM DIA. BASE ID 5% DEFL.		(INCHES) 7.5% DEFL.	SDR 35 MINIMUM DIA. BASE ID 5% DEFL.		(INCHES) 7.5%
8	7.837	7.44	7.25	7.763	7.37	7.18
10	9.797	9.31	9.06	9.704	9.22	8.98
12	11.663	11.08	10.79	11.546	10.97	10.68
15	14.272	13.56	13.20	14.140	13.43	13.08

Note: See Table 1 in Section 3.2.6 of the Standard Specifications for Sewer & Water Construction in Wisconsin (Latest Version) for Nominal Sizes greater than 15 inches.

TESTING DEVICE DIMENSIONS FOR A.B.S. PIPE

NOMINAL SIZE (INCHES)	D-2680 ABS 5% DEFLECTION (INCHES)
8	7.36
10	9.26
12	11.16
15	14.01

D Measurement

The department will measure Connecting Sanitary Sewer by each unit, acceptably completed per location.

The department will measure Manholes Sanitary 4-FT Diameter by each manhole, acceptably completed.

The department will measure Manholes Sanitary 5-FT Diameter by each manhole, acceptably completed.

The department will measure Manholes Sanitary 6-FT Diameter by each manhole, acceptably completed.

The department will measure Sanitary Manhole Covers Type J-Special by each cover, acceptably completed.

The department will measure Sanitary Sewer PVC Wyes by each wye connection, acceptably completed.

The department will measure Sanitary Sewer Force Main Cleanout by each location, acceptably completed.

The department will measure Air Release Valve and Vault by each location, acceptably completed.

The department will measure Sanitary Sewer (Size) by the linear foot, acceptably completed. Pipe measurement is inclusive of any joints and connections.

The department will measure Sanitary Sewer Force Main 12-Inch by the linear foot, acceptably completed. Pipe measurement is inclusive of any joints and connections.

The department will measure Sanitary Sewer 15-Inch in Casing by the linear foot, acceptably completed. Pipe measurement is inclusive of any joints and connections.

The department will measure Sanitary Sewer Laterals by the linear foot, acceptably completed. Measurement will be made from the connection at the wye to the connection at the existing lateral or to the terminus of the lateral pipe.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.09	Connecting Sanitary Sewer	EACH
SPV.0060.34	Manholes Sanitary 4-FT Diameter	EACH
SPV.0060.10	Manholes Sanitary 5-FT Diameter	EACH
SPV.0060.11	Manholes Sanitary 6-FT Diameter	EACH
SPV.0060.12	Sanitary Manhole Covers Type J-Special	EACH
SPV.0060.13	Sanitary Sewer PVC Wyes	EACH
SPV.0060.14	Sanitary Sewer Force Main Cleanout	EACH
SPV.0060.29	Air Release Valve and Vault	EACH
SPV.0090.05	Sanitary Sewer 8-Inch	LF
SPV.0090.06	Sanitary Sewer 15-Inch	LF
SPV.0090.07	Sanitary Sewer 21-Inch	LF
SPV.0090.08	Sanitary Sewer Force Main 12-Inch	LF
SPV.0090.09	Sanitary Sewer 15-Inch in Casing	LF
SPV.0090.10	Sanitary Sewer Laterals	LF

Payment is full compensation for manholes, manhole covers and frames, reconstructing existing sanitary manholes, wyes, sanitary sewer pipe, sanitary force main pipe, gate valves, air release valves, pipe supports, fittings, bends, sleeves, and sanitary sewer laterals; for providing all equipment, labor, materials, excavating, and all backfill; for concrete masonry; for joints and connections; for adjusting rings and chimney seals; for tracer wire, ground clamps, wire nuts, and tracer wire boxes; disposing of any excess materials; and any other incidentals necessary to acceptably complete the installation the proposed sanitary sewer facilities.

Payment is full compensation for furnishing and installing the sanitary sewer carrier pipe inside any casing, blocking carrier pipe, and filling and sealing casing pipe.

Separate payment will be made for steel casing.

Separate payment will be made for Utility Trench Rock Excavation.

51. **Connecting Water Main, Item SPV.0060.15;**
10x10x10-Inch Tee, Item SPV.0060.16;
12x12x8-Inch Tee, Item SPV.0060.17;
14x14x8-Inch Tee, Item SPV.0060.18;
14x14x12-Inch Tee, Item SPV.0060.19;
12-Inch 11.25 Degree Bend, Item SPV.0060.20;
12-Inch 45 Degree Bend, Item SPV.0060.21;
14-Inch 45 Degree Bend, Item SPV.0060.35;
8x6-Inch Reducer, Item SPV.0060.22;
12x10-Inch Reducer, Item SPV.0060.23;
8-Inch Valve & Valve Box, Item SPV.0060.24;
12-Inch Valve & Valve Box, Item SPV.0060.25;
14-Inch Valve & Valve Box, Item SPV.0060.26;
Standard Hydrant, Item SPV.0060.27;
Adjusting Hydrants, Item SPV.0060.28;
8-Inch DI Water Main, Item SPV.0090.11;
12-Inch DI Water Main, Item SPV.0090.12;
14-Inch DI Water Main, Item SPV.0090.14;
Water Laterals, Item SPV.0090.13.

A Description

This section describes installing water main items.

B Materials

B.1 General

Supply American Made materials for all water main items installed under this contract. All materials installed under this contract shall be new.

Where materials are herein specified by reference to an ANSI, AWWA, AASHTO or ASTM Specification, the contractor shall furnish to the owner, written certifications from the materials manufacturer certifying that all the materials furnished comply in all respects with the requirements of the referenced specifications.

B.2 Pipe

B.2.1 General

All new pipe regardless of size shall be ductile iron pipe and shall conform to the requirements of the latest revision of ANSI A21.50 (AWWA C150) and ANSI A21.51 (AWWA C151). Ductile iron pipe shall be cement-mortar lined and coated according to the latest revision of ANSI A21.4 (AWWA C104). All ductile iron pipe shall be Class 50 unless otherwise specified.

Joints on all ductile iron pipe shall conform to the latest revision of ANSI A21.11 (AWWA C111) with rubber gaskets unless otherwise specified.

B.2.2 Water Main in Casing

Provide joint restraint for entire length of carrier pipe to first joint beyond each end of casing. Acceptable restrained joints consist of the use of joint restraint gaskets on push-on joint pipe, use of Meg-A-Lug brand wedge action restraining glands on mechanical joint pipe and fittings, or approved equal. Standard mechanical joint retainer glands will not be acceptable.

B.2.3 Pre-Manufactured Casing Spacers

Pre-manufactured casing spacers intended to position carrier pipe in casing and restrain against movement (including floatation). Casing spacers shall consist of stainless steel or epoxy-polymer-coated steel band and risers, elastomeric liner, abrasion resistant polymer skids/runners, and stainless steel fasteners.

B.2.4 Pre-Manufactured Casing End Seals

Pre-manufactured synthetic rubber casing end seal with minimum 1/8 in. thickness and stainless steel band and fasteners.

B.3 Mechanical Joints/Megalugs

All mechanical joint locations shall have Megalug mechanical joint restraints installed conforming to the latest revision of AWWA C600 or ASTM D2774.

B.4 Electrical Conductor

All joints, mechanical and push-on, shall have an electrical conductor between bell and spigot pipe ends. Capacity shall be sufficient to carry a minimum of 400 amps current at each joint and meet the approval of the engineer. Straps are preferred; however, other methods are allowed depending on the style of pipe being used. Lead tip gaskets and bronze wedges will not be accepted.

B.5 Fittings

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

The usage of "compact ductile iron" mechanical joint water main fittings shall be permitted providing they meet the following specifications:

- Materials - Ductile Iron ASTM A536, AWWA C110 (ANSI A21.10)
- Pressure - Class 350 AWWA C153 (ANSI A21.10) 350 PSI water working pressure
- Testing - AWWA C153 (ANSI A21.10)
- Gasket - AWWA C111 (ANSI A21.11)
- Bolts - AWWA C111 (ANSI A21.11)
- Lining - Inside coating shall be bituminous material conforming to AWWA C104 (ANSI A21.4)

B.6 Hydrants

All hydrants shall comply with the latest revisions of AWWA Standard C-502 in addition to the following specifications:

Hydrants shall have two, 2½-inch hose nozzles with 7½ threads per inch, 3-2/32 inch OD. Hydrants shall have one 4-inch pumper nozzle with six threads per inch, 4-20/32 inch OD. The operating nut shall be 1-inch square and shall open right. The hose nozzle caps shall be 1-inch square with chains. The depth of bury shall be 7 foot 6 inches of cover or as specified. The main valve opening shall be 5¼ inches in size. Hydrants shall be painted red. The only acceptable hydrant shall be the Waterous Pacer WB-67.

B.7 Valves

All valves shall comply with the latest revisions of AWWA Standard C-515. Unless otherwise specified all valves shall be mechanical-joint, resilient wedge gate valves. Valves shall open counter-clockwise (left hand opening). The only valves acceptable shall be (1) AFC/Waterous or (2) Mueller.

B.8 Valve Boxes

Valve boxes shall be cast iron conforming to ASTM Designation A-48, Class 20 shaft screw type boxes of adequate length to extend from the valve to the finished grade. Box covers shall be clearly marked "Water". The box shall be coated with a one mil thickness of bituminous coating.

B.9 Valve Box Adapter

Valve Box Adapters shall be used when installing Valve Boxes.

B.10 Water Laterals

Copper and brass fittings must be AWWA compliant.

All services will be replaced with 1-inch, 1½-inch or 2-inch K copper.

All brass must be Ford or Mueller (no exceptions).

Corporations	Material
1-inch corp.	Ford FB1000-4Q or Mueller equivalent
1½-inch corp.	Ford FB1000-6Q or Mueller equivalent
2-inch corp.	Ford FB1000-7Q or Mueller equivalent

Curb Stops	Material
1-inch curb stops	Ford B44-444 MQ or Mueller equivalent
1½-inch curb stops	Ford B44-666 MQ or Mueller equivalent
2-inch curb stops	Ford B44-777 MQ or Mueller equivalent

Curb stops must use a screw on telescoping box (stack) with Minneapolis thread pattern. AY, Ford, or Mueller are acceptable.

B.11 Foundation Backfill (Pipe Bedding), Initial Trench Backfill, and Trench Backfill

B.11.1 Foundation Backfill

Class B Foundation Backfill: Furnish backfill conforming to standard spec 520.2.5.2. Native soils conforming to this specification may be used.

B.11.2 Initial Trench Backfill

Class B Initial Trench Backfill: Furnish backfill conforming to standard spec 209.2 or 520.2.5.2. Native soils conforming to these specifications may be used.

B.11.3 Trench Backfill

May consist of suitable native soils with proper moisture content for maximum compaction. Backfill shall not contain rocks, blasted rock fragments, or cobbles greater than six inches in diameter, except occasional rocks or cobbles of 10 inches diameter or less may be used if surrounded by a matrix of material less than 6 inches in diameter. All roots, debris, rocks, or large stones or other unsuitable materials which in the opinion of the engineer would cause interference with the compaction requirements shall not be permitted in the backfill. The contractor may blend backfill materials to achieve acceptable quality; however, the foregoing requirements shall be strictly observed, or the backfill shall be re-excavated and replaced at the contractor's expense.

B.12 Connecting Water Main

Use approved pipe, sleeves, mechanical joints, and/or fittings to connect new water main and appurtenances to existing water main.

C Construction

C.1 General

C.1.1 Soils

Follow Class B Foundation Backfill, Initial Trench Backfill and Trench Backfill requirements listed above. The Foundation and Initial Trench Backfill shall provide lateral support against deflection of the pipe diameter, and shall prevent any subsequent settlement which might result in excessive pressure and consequent rupture of the pipes.

Requirements for Foundation Backfill and Initial Trench Backfill will control the placement and compaction of granular material to 12 inches above the pipes or around valves and hydrants. Backfill the remainder of the trench after initial backfill requirements have been satisfied using Trench Backfill and mechanical compaction methods. Trench Backfill shall be compacted in lifts not to exceed 8 inches in compacted depth. The contractor shall have a vibratory type compactor in operating condition on the job site before starting to backfill. The entire fill shall be compacted to not less than 95 percent of maximum density at optimum moisture as determined according to the modified Proctor Test, AASHTO T180-10. Jetting or puddling to obtain compaction will not be permitted.

C.1.2 Cleanup During the Work

As the work progresses, all rubbish or refuse, and all unused materials and tools, shall be removed at once from the site. Whenever this clearing of rubbish from the streets, or the repairing of the street surfaces, fences or other damage is neglected, notice may be given to the contractor; and if said rubbish is not removed or said repairing is not done within two days thereafter, or if the contractor does not at once take the necessary precaution to ensure safety of public travel, the Board of Public Works may employ other parties to do such work, and the expense thus incurred will be deducted from any monies due or that may become due the contractor.

No excavated material, except the road surfacing and a limited amount of sand and gravel to be used for backfill shall be left on the streets.

When for any reason, the work is left unfinished, all trenches and excavation shall be filled and the roadways and sidewalk left unobstructed, and with the surfaces in safe and satisfactory condition.

Watermain shall be laid according to the separation requirements listed in Wisconsin Department of Natural Resources Code NR 811 and Wisconsin Administrative Code SPS 382. See details in the plans.

C.1.3 Use of City Water

Water is available for purchase from the City of Wausau at the following locations: Wausau Water Works Utility Meter Shop, 1701 N. River Dr.; Well #11, 1739 Tierney Rd. and at a portable location – (contact Wausau Water Works Utility for location – (715) 261-7262).

C.2 Pipe

C.2.1 General

The contractor shall have sufficient and adequate equipment on the site for unloading and lowering pipe, fittings, hydrants and valves into the trench. Extreme care shall be exercised by the contractor in handling all pipe, fittings, hydrants and valves so as to prevent breakage and coating damage. Any significant damage to coating shall be repaired before installation. Under no circumstances shall pipe, fittings, hydrants or valves be dropped into the trench or so handled as to receive hard blows or jolts. All mud or concentration of soil shall be removed prior to installation.

The pipe shall be inspected for defects and while suspended above grade, be rung with a light hammer to detect cracks according to AWWA 600.

All pipe shall be laid to a depth of 7 foot 0 inches from established street grade to top of pipe, unless specified otherwise. Insulation may be required where cover is not sufficient to protect the pipe from frost.

Excavate the trench to at least 6 inches below the elevation established for the bottom of the pipe.

Backfill to this depth with Foundation Backfill. Mechanically compact Foundation Backfill before laying the pipe. The trench shall be dry and free of all standing water prior to installing the pipe. Pipe shall be laid with bell ends facing the direction of laying, unless directed otherwise by the engineer. Every precaution shall be taken to prevent foreign material from entering the pipe while it is being placed in the trench. If the pipe cannot be placed without getting earth into it, the engineer may require that before lowering the pipe into the trench, a heavy tightly woven canvas bag of suitable size shall be placed over each end and left there until the connection is to be made to the adjacent pipe. During laying operations, no debris, tools, clothing, or other materials shall be placed in the pipe. All lumps, blisters, and excess coal-tar coating shall be removed from the bell and spigot end of each pipe, and the outside of the spigot and the inside of the bell shall be wire brushed and wiped clean and dry, free from oil and grease before the pipe is laid. After placing a length of pipe in the trench, the spigot end shall be centered in the bell and the pipe forced home and brought to correct line and grade. At times when pipe laying is not in progress, the open ends of pipe shall be closed by a watertight plug or other means approved by the engineer. This provision shall apply during the noon hour as well as overnight. If any water is in the trench, the plugs shall remain in place until the trench is pumped completely dry. After laying the pipe, place and mechanically compact Initial Trench Backfill to an elevation of 12 inches above the pipe to provide full and continuous support. Do not place lifts more than 6 inches thick as measured after compaction. Compact the entire layer before placing the next layer. See pipe bedding details in the plans for trench dimensions.

The cutting of pipe for inserting valves, fittings or closure pieces shall be done in a neat and workmanlike manner without damage to the pipe or cement lining and so as to leave a smooth end at right angles to the axis of the pipe. All pipes shall be cut with an approved mechanical cutter. The cut end of a pipe to be used with rubber gasket joints shall be tapered by grinding or filing about 1/8-inch back at an angle of approximately 30 degrees with the center line of the pipe, and any sharp or rough edges shall be removed.

Any water main that is within 12 inches under or over storm sewer must be insulated at that point (2-inch polystyrene insulation or equivalent is to be used).

Wherever it is necessary to deflect pipe from a straight line, either in vertical or horizontal plane, to avoid obstructions or plumb stems, or where long-radius curves are permitted, the amount of deflection allowed shall not exceed the standards recommended by the manufacturer.

Not more than 300 feet of trench shall be open at any one time: (1) in advance of the completed pipe, or (2) remain after installation of the pipe, except upon special written permission of the engineer. In no case shall such more than one street crossing be obstructed by the same trench at any one time. It shall be the contractor's responsibility to adequately secure any trench left open.

The contractor shall carefully inspect each pipe and those not meeting the specifications shall be rejected. No pipe shall be laid except in the presence of the engineer or his representative, and the engineer may order the removal and relaying of any pipe not properly laid at the contractor's expense.

C.2.2 Water Main in Casing

Install carrier pipe in casing.

Support carrier pipe for its entire length either by means of hardwood planks strapped to pipe in such a way as to support pipe and prevent it from resting on casing pipe, or by means of pre-manufactured casing spacers designed for casing pipe use. Space and install pre-manufactured casing spacers according to the manufacturer's recommendations based on type and diameter of carrier pipe.

Fill void space between casing and carrier pipes with blown sand.

Seal ends of casing with pre-manufactured casing end seals. Alternatively, casing pipe may be sealed using a 12 inch concrete bulkhead. Place 15 lb asphalt-impregnated felt between concrete and carrier pipe.

C.3 Mechanical Joints/Megalugs

The contractor shall install Megalugs at all mechanical joint connections according to the manufacturer's specifications.

C.4 Electrical Conductor

Electrical conductors shall be installed at all joint connections, mechanical and push-on according to the manufacturers specifications and shall be able to sufficient to carry a minimum of 400 amps current. A final conductivity test may be made on each section of line by the Wausau Water Works Utility. The contractor shall, at the request of the Wausau Water Works Utility provide any assistance in performing those tests. Any failing test(s) shall require the contractor to locate and correct the point(s) of failure. Any assistance provided or correction of failing tests shall be made at the contractor's expense.

C.5 Fittings

Fittings shall be installed with the construction methods listed above for pipe. Fittings shall be inspected for defects prior to installation. Any fittings found to be defective shall not be installed.

C.6 Hydrants

Hydrants shall be inspected for defects prior to installation. Any hydrants found to be defective shall not be installed.

Hydrants shall be installed at locations shown on the plans or as directed by the engineer and in a manner to provide complete accessibility, and also in such a manner that the possibility of damage from vehicles or injury to pedestrians will be minimized. When placed behind the curb, the hydrant barrel shall be set so that no portion of the hydrant will be less than 18 inches from the back of curb and less than 12 inches from any sidewalk or driveway unless otherwise noted on the plans.

When set in the lawn space between the curb and the sidewalk, or between the sidewalk and the property line, no portion of the hydrant shall be within 12 inches of the sidewalk.

All hydrants shall stand plumb and shall have their nozzles parallel with or at right angles to the curb, with the pumper nozzle facing the curb. Hydrants shall be set to the established grade, with nozzles at least 24 inches above the ground as shown or as directed by the engineer.

Each hydrant shall be connected to the main with a 6-inch hydrant lead controlled by an independent 6-inch gate valve, except as otherwise directed.

All hydrants shall be set so that drainage is provided at the base of the hydrant by placing ¾-inch stone in a drainage pit, two feet in diameter and three feet deep from the bottom of the trench to at least six inches above the drainage opening in the hydrant elbow. No drainage system shall be connected to the sewer. Prior to backfilling the hydrant, plastic shall be wrapped around the hydrant riser pipe and extend outward so no backfill material can contaminate the ¾-inch stone drainage pit. Concrete blocks of suitable size to support the hydrant shall be placed on the compacted base under each hydrant.

Hydrants shall be backfilled with Class B Initial Trench Backfill from the top of the plastic around the drainage pit to the traffic flange of the hydrant and a minimum of 1 foot around the hydrant.

For existing hydrants to be adjusted; locate and expose the hydrant; furnish and install any required extension; and adjust the hydrant to the finished elevation as shown on the plans.

C.7 Valves

Valves shall be installed with the construction methods listed above for pipe.

Valves shall be inspected for defects prior to installation. Any valves found to be defective shall not be installed.

Valves shall be installed at locations shown on the plans or as directed by the engineer. Typically located in the street on property lines extended, unless shown otherwise on the plans. Concrete blocks of suitable size to support the valve being installed shall be placed on a compacted base under each valve.

Valves shall be backfilled with Class B Initial Trench Backfill from the bottom of the concrete block to 1 foot above the wrenchnut of the valve.

C.8 Valve Boxes

A valve box shall be provided for every valve which has no gearing or operating mechanism or in which the gearing or operating mechanism is fully protected with a cast iron grease case. The valve box shall not transmit shock or stress to the valve and shall be centered and plum over the wrenchnut of the valve, with the box cover flush with the surface of the finished pavement, or such other level as may be directed. Valve boxes shall be installed using valve box adapters.

Valve Boxes shall be backfilled with Class B Initial Trench Backfill for the entire depth of the valve box and a minimum of 1 foot around the valve box until the subgrade of the proposed road or the proposed surface elevation is reached.

For existing water valve boxes to be replaced; locate, expose, and provide the existing water valve, furnish and install a new water valve box; and adjust the water valve box to the finished elevation.

C.9 Water Laterals

All services will be replaced from the corporation to the curb stop using copper and brass fittings, a new curb box, and connected to the homeowner's service line with the proper brass fitting. The new curb stop shall be placed on a brick or other suitably sized solid flat surfaced base.

A new corporation (direct tap or service saddle) will be installed by the contractor.

When connecting to existing mains a new corporation (direct tap or service saddle) will be installed by the contractor no closer than twelve inches on either side of old corporation and the old service must be shut off and disconnected from corp. All old lead, copper and brass scrap is to be removed from trench and the contractor is responsible for disposal.

Any service that is less than 5 foot 6 inches feet deep must be insulated. Any service line that is within 12 inches under or over storm sewer must be insulated at that point (2-inch polystyrene insulation or equivalent is to be used).

The new curb box is to be adjusted to finish grade. Any curb box that is in concrete or asphalt needs an adjustable telescoping top section installed by the contractor.

Laterals must conform to the following:

- All existing services on the city side (between the main and the curb stop) 5/8-inch to 1-inch will be replaced with 1-inch K copper.
- All existing services on the city side (between the main and the curb stop) 1 1/4-inch to 1 1/2-inch will be replaced with 1 1/2-inch K copper.
- All existing services on the city side (between the main and the curb stop) 2-inch will be replaced with 2-inch K copper.

C.10 Insulation

Place a 4-foot wide sheet of insulation centered above the utilities as shown on the plans or as directed by the engineer using the applicable bid item provided in the contract.

C.11 Foundation Backfill (Pipe Bedding), Initial Trench Backfill, and Trench Backfill

Foundation backfill used beneath pipe, hydrants or valves; Initial Trench backfill used for haunching around the pipe or for initial backfill around or over the top of the pipe, hydrants or valves; and Trench Backfill shall be carefully placed so as not to disturb the alignment of the pipe, hydrant or valve nor cause distortion of the pipe; it shall be carefully compacted by hand or mechanical methods in 6-8 inch lifts to at least 95 percent of modified Proctor Test, AASHTO T180-10.

C.12 Connecting Water Main

Prior to constructing a connection to existing water main, the contractor shall verify all necessary temporary water services are completed and operational.

Contractor shall coordinate water shutoff with the water utility (Wausau Water Works) before performing connection. Once water has been shutoff to the connection location, the contractor shall use appropriate means and methods, according to the latest version of Standard Specifications for Sewer & Water Construction in Wisconsin, to construct the water main connection using necessary pipe, mechanical joints, fittings, and other appurtenances.

Disinfecting Water Main and Performance and Safe Testing shall be performed for the water main on either side of the connection before re-establishing the connection to the rest of the drinking water system. If temporary blowoffs are required to complete the necessary testing, then the contractor shall provide the required materials and equipment at no additional cost.

C.13 Disinfecting Water Mains

The contractor shall be required to disinfect all mains according to the latest revision of C601-AWWA Standard for Disinfecting Water Mains.

The main shall be flushed by the contractor prior to disinfection except when the tablet method of disinfection is used.

The flushing velocity shall not be less than 2.5 feet per second. The rate of flow required to produce this velocity in various diameters is shown in Table 1.

The main shall be flushed by means of each hydrant on the main, progressing from the hydrant closest to the connection of the existing distribution system. No site for flushing shall be chosen unless it has been determined that drainage is adequate at that site.

**TABLE 1
(REQUIRED OPENINGS TO FLUSH PIPELINES*)
(40 psi Residual Pressure)**

INCHES	FLOW REQUIRED TO PIPE SIZE VELOCITY GPM	ORIFICE PRODUCE 2.5 FPS INCHES	HYDRANT OUTLET NOZZLES	
			NUMBER	SIZE (INCHES)
4	100	15/16	1	2½
6	220	1-3/8	1	2½
8	390	1-7/8	1	2½
10	610	2-5/16	1	2½
12	880	2-13/16	1	2½
14	1200	3-1/4	2	2½
16	1565	3-5/8	2	2½
18	1980	4-3/16	2	2½

*With 40 psi residual pressure, a 2½-inch hydrant outlet nozzle will discharge approximately 1000 gpm and a 4½-inch hydrant nozzle will discharge approximately 2500 gpm

The main shall be chlorinated by the contractor using one of the following forms of chlorine:

C.13.1 Liquid Chlorine

Liquid chlorine shall be injected into the main to be disinfected by means of a solution feed chlorinator in combination with a booster pump. Direct feed chlorinators shall not be used.

C.13.2 Sodium Hypochlorite

The hypochlorite shall be added to water in the proportion requisite for the desired concentration and injected into the water main with a gasoline or electrically-powered chemical feed pump designed for feeding chlorine solutions.

C.13.3 Granular Sodium Hypochlorite

See C13.4.3 Methods of Chlorine Application - Granular Method below.

C.13.4 Methods of Chlorine Application

C.13.4.1 Continuous Feed Method

Water from the existing distribution system shall be made to flow at a constant, measured rate into the newly laid pipeline. The water shall receive a dose of chlorine also fed at a constant, measured rate. The two rates shall be proportioned so that the chlorine concentration in the water in the pipe is maintained at a minimum of 50 mg/1 available chlorine. Table 2 gives the amount of chlorine residual required for each 100 feet of pipe of various diameters. Chlorine application shall not cease until the entire main is filled with chlorine solution. The chlorinated water shall be retained in the main for at least 24 hours, during which time all valves and hydrants in the section treated shall be operated in order to disinfect the appurtenances. At the end of the 24-hour period, the treated water shall contain no less than 25 mg/L chlorine throughout the length of the main. If the initial disinfection fails to produce a chlorine residual of 25 mg/L the main shall be re-chlorinated with 50 mg/L available chlorine until a residual of 25 mg/L is obtained.

C.13.4.2 Slug Method

Water from the existing distribution system shall be made to flow at a constant, measured rate into the newly laid pipeline. The water shall receive a dose of chlorine also fed at a constant, measured rate. The two rates shall be proportioned so that the concentration in the water entering the pipeline is maintained at no less than 300 mg/L. The chlorine shall be applied continuously and for a sufficient period to develop a solid column or "slug" of chlorinated water that will, as it passes along the line, expose all interior surfaces to a concentration of at least 300 mg/L for at least three hours. As the chlorinated water flows past tees and crosses, related valves, and hydrants shall be operated so as to disinfect appurtenances.

C.13.4.3 Granular Method

The granular method shall be used for extensions not exceeding 2,500 feet in length or 12 inches in diameter. Because the preliminary flushing step must be eliminated, this method shall not be used if trench water or foreign material has entered the main or if the water is below 5 degrees Celsius (41 degrees Fahrenheit). Granular Sodium Hypochlorite shall be placed in each section of pipe and also in hydrants, hydrant branches, and other appurtenances. See AWWA C-651 for applications. Once lines are filled the water shall remain in the pipe for at least 24 hours. At the end of the 24-hour period, the treated water shall contain no less than 25 mg/L chlorine throughout the length of the main. If the initial disinfection fails to produce a chlorine residual of 25 mg/L, the main shall be re-chlorinated with 50 mg/L available chlorine until a residual of 25 mg/L is obtained.

TABLE 2

CHLORINE REQUIRED TO PRODUCE 50 MG/L CONCENTRATION IN 100 FT. OF PIPE—BY DIAMETER

PIPE SIZE (INCHES)	100% CHLORINE (LB.)	1% CHLORINE SOLUTIONS (GAL)
4	0.027	0.33
6	0.061	0.73
8	0.108	1.30
10	0.170	2.04
12	0.240	2.88

After the applicable retention period, the heavily chlorinated water shall be flushed from the main until chlorine concentration in the water leaving the main is no higher than that generally prevailing in the system, or less than 1 mg/L.

The contractor shall conduct all flushing of new mains. The contractor shall conduct the flushing in the presence of the City of Wausau inspector or an employee of the Wausau Water Works Utility. The environment into which the chlorinated water is to be discharged shall be inspected. If there is any possibility that the chlorinated discharge will cause damage to the environment, then a neutralizing chemical shall be applied to the water to be wasted to neutralize thoroughly the chlorine residual remaining in the water. See Table 3 for neutralizing chemicals. Where necessary, federal, state, and local regulatory agencies should be contacted to determine special provisions for the disposal of heavily chlorinated water.

TABLE 3
DISPOSAL OF HEAVILY CHLORINATED WATER
 (Amounts of chemicals required to neutralize various residual
 chlorine concentrations in 100,000 gallons of water.)

CHEMICAL REQUIRED				
RESIDUAL CHLORINE CONCENTRATION MG/L	SULFUR DIOXIDE (SO ₃) LB	SODIUM BISULFITE (NAHSO ₃) LB	SODIUM SULFITE (NA ₂ SO ₃) LB	SODIUM THIOSULFATE (NA ₂ S ₂ O ₃ 5H ₂ O) LB
1	0.8	1.2	1.4	1.2
2	1.7	5.2	2.9	2.4
10	8.3	12.5	14.6	12.0
50	41.7	62.6	73.0	60.0

After final flushing, and before the watermain is placed in service, samples shall be collected from the end of the line or at 1,000 foot intervals along the line, whichever is the shorter distance, and tested for bacteriologic quality and shall show the absence of coliform organisms. The samples shall be collected by the City of Wausau for testing by the Marathon County Public Health Laboratory. The contractor shall furnish a sampling tap consisting of a standard corporation installed in the main with a copper tube gooseneck assembly. The contractor shall make the necessary taps and insert a corporation in the main. After the samples have been collected, the gooseneck assembly may be removed and retained for future use, and a plug inserted in the main by the contractor. The main shall not be placed in service, and the contractor shall not be paid the portion of monies withheld on his contract until at least one bacteriologically safe sample has been obtained from each sampling location.

If the initial disinfection fails to produce safe samples, disinfection and flushing shall be repeated by the contractor until two consecutive satisfactory samples have been obtained. These two samples shall be collected for testing a minimum of 24 hours apart. Liquid chlorine or Hypochlorite solution shall be the only acceptable methods for re-chlorination of the mains.

C.14 Performance and Safe Testing

C.14.1 Pressure Test

After the pipe has been laid and partially backfilled, all newly laid pipe, or any valved section thereof, shall be subjected to the hydrostatic pressure of 150 psi and held at that pressure for the duration of the test. The duration of each pressure test shall be at least 2 hours.

Each valved section of pipe shall be slowly filled with water and the specified test pressure, based on the elevation of the lowest point of the line or section under test and corrected to the elevation of the test gauge, shall be applied by means of a pump connected to the pipe in a manner satisfactory to the engineer. The pump, pipe connection, taps into the pipe and all necessary apparatus except gauges shall be furnished by the contractor. The owner will furnish the gauges for the test. The contractor shall furnish all necessary assistance for conducting the test.

Before applying the specified test pressure, all air shall be expelled from the pipe. If hydrants or blowoffs are not available at high places, the contractor shall make the necessary taps at points of highest elevation before the test is made and insert the plugs after the test has been completed.

D Measurement

The department will measure Connecting Water Main by each unit, acceptably completed per location.

The department will measure (Size) Tee by each unit ,acceptably completed.

The department will measure (Size) (Angle) Bend by each unit, acceptably completed.

The department will measure (Size) Reducer by each unit, acceptably completed.

The department will measure (Size) Valve & Valve Box by each unit, acceptably completed.

The department will measure Standard Hydrant by each unit, acceptably completed.

The department will measure Adjusting Hydrants by each existing hydrant, acceptably completed.

The department will measure (Size) DI Water Main by the linear foot, acceptably completed.

The department will measure Water Laterals by the linear foot acceptably completed from the corporation with the water main to the connection with the existing lateral or to the terminus of the lateral.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.15	Connecting Water Main	EACH
SPV.0060.16	10x10x10-Inch Tee	EACH
SPV.0060.17	12x12x8-Inch Tee	EACH
SPV.0060.18	14x14x8-Inch Tee	EACH
SPV.0060.19	14x14x12-Inch Tee	EACH
SPV.0060.20	12-Inch 11.25 Degree Bend	EACH
SPV.0060.21	12-Inch 45 Degree Bend	EACH
SPV.0060.35	14-Inch 45 Degree Bend	EACH
SPV.0060.22	8x6-Inch Reducer	EACH
SPV.0060.23	12x10-Inch Reducer	EACH
SPV.0060.24	8-Inch Valve & Valve Box	EACH
SPV.0060.25	12-Inch Valve & Valve Box	EACH
SPV.0060.26	14-Inch Valve & Valve Box	EACH
SPV.0060.27	Standard Hydrant	EACH
SPV.0060.28	Adjusting Hydrants	EACH
SPV.0090.11	8-Inch DI Water Main	LF
SPV.0090.12	12-Inch DI Water Main	LF
SPV.0090.14	14-Inch DI Water Main	LF
SPV.0090.13	Water Laterals	LF

Payment is full compensation for fittings, valves, replacing existing valve boxes, hydrants, adjusting existing hydrants, water mains, and water laterals,; for providing all equipment, labor, materials, excavating, and all backfill; for any megalugs, electrical conductors, ¾-inch stone, plastic, corporations, fittings, and unions; for any sleeves or other fittings required to make connections to existing mains; disinfecting and testing; making adjustments; disposing of any excess materials; protecting installed materials; and any other incidentals necessary to make the proposed water systems operational.

Separate payment will be made for Utility Trench Rock Excavation.

Separate payment will be made for insulation.

52. Adjusting Valve Box, Item SPV.0060.30.

A Description

This special provision describes locating, exposing and protecting existing water valve boxes after the pavement is removed, installing city-furnished new water valve boxes if necessary, and adjusting the water valve boxes to the finished elevation.

B Materials

The contractor will furnish new water valve boxes when the existing boxes are damaged and cannot be repaired.

C Construction

Notify the City of Wausau to inspect the water valve boxes after the initial removal of pavement. Install new water valve boxes furnished by the contractor for the valve boxes requiring replacement as necessary.

Clean out the water valve boxes as necessary to assure the valve wrench will fit completely over the valve bolt. Protect the water valve boxes during construction. Adjust the water valve boxes to the required finished elevation.

D Measurement

The department will measure Adjusting Valve Box by the unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.30	Adjusting Valve Box	EACH

Payment is full compensation for locating, exposing, and protecting the water valve boxes; notifying the local municipality; cleaning out the water valve boxes if necessary; installing city-furnished water valve boxes; and adjusting water valve boxes to the finished elevation. The contractor shall replace water valve boxes, which are damaged by the contractor's operations, in kind, at the contractor's expense.

53. Pipe Bollard, Item SPV.0060.31.

A Description

This special provision describes furnishing and installing pipe bollards at locations as detailed in the plans and as hereinafter provided.

B Materials

Fabricate pipe bollards from schedule 80 galvanized steel pipe. Provide concrete according to standard spec 501 conforming to Grade A, A-FA, A-S, A-T, A-IS, A-IP, and A-IT.

C Construction

Paint the pipe bollards as specified in standard spec 517.2.4, color yellow. Paint the pipe bollards according to standard spec 517.3. For the portion of the pipe bollard that will be fully encased in concrete, apply only the zinc-rich primer as specified in standard spec 517.3.1.7.2.

Excavate to the depth required for installation. Remove water or other foreign material from the excavation and inside the pipe before placing concrete. Place concrete in the excavation and inside pipe in a continuous operation at a rate that will not cause air pockets. The concrete may not have cold joints. Fill the pipe completely with concrete and consolidate to a depth as great as practicable with a mechanical vibrator or by other engineer-approved method.

Protect the pipe bollards from damage to the paint during transportation, storage, placement and concrete placement. Repair any damaged paint according to standard spec 517.3.

D Measurement

The department will measure Pipe Bollard as each individual pipe bollard, 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	Pipe Bollard	EACH

Payment is full compensation for providing pipe, concrete, and paint; for excavation; for placing concrete within the pipe and for the footing; for backfilling and disposing of surplus materials; and for repairs to the paint system.

54. Salvaging Hydrant, Item SPV.0060.32.

A Description

This special provision describes removing and salvaging existing fire hydrants at the locations the plans show.

B Materials

Provide one 6-inch mechanical joint plugs conforming to the requirements of ductile iron water main fittings.

Conform bedding and backfill materials to requirements for water main pipe.

C Construction

Provide a minimum of three working days' notice and coordinate with Wausau Water Works personnel for the temporary shutdown of the existing water main. Wausau Water Works will operate all existing valves and notify all affected businesses and residences of the time and approximate duration of the shutdown. Excavate the existing fire hydrant, remove the hydrant, 6-inch valve and all connecting 6-inch pipe from the existing tee. Plug the existing tee with a mechanical joint plug.

Stockpile and protect these salvaged hydrants until delivery. Coordinate with Wausau Water Works personnel to complete delivery.

D Measurement

The department will measure Salvaging Hydrant by the individual fire hydrant, acceptably removed and existing hydrant tee plugged.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.32	Salvaging Hydrant	EACH

Payment is full compensation for the removal of the existing fire hydrant; plugging of the existing hydrant tee; for excavating, sheeting and shoring, if required; furnishing and placing bedding; and for all backfilling and compaction of the excavation.

55. Traffic Signal Controller and Cabinet, Fully Actuated 8-Phase, Item SPV.0060.33.

A Description

This special provision describes providing an Econolite Cobalt traffic signal controller as shown on the plans and as hereinafter provided.

Submit a Certification of Compliance from the signal vendor, the contractor, or the company that wired the cabinet certifying that the cabinet and equipment as furnished, conform to the plan and specifications. Ensure that the certificate of compliance is on the letterhead stationery, signed by an authorized officer of the company, and notarized. Submit a copy to the engineer.

It is the responsibility of the contractor or his designee that all functions within the controller, cabinet, switches, and other timing parameters, and that all electrical and electronics components are in proper working condition. In addition, it is the responsibility of the contractor or his designee to ensure it meets the plan and the specifications, and shall demonstrate this to the engineer or his designee at the field location.

After mounting the cabinet on the cabinet foundation, connect all the field wiring inside the controller cabinet and test the signal circuits for correct operation. Connect and test the signal circuits outside the controller cabinet as directed by the engineer. Connecting and testing signal circuits shall be considered part of this item of work.

The delivered cabinet at the intersection shall perform in accordance to the standard specifications, the plan details, and special provisions once the field wiring is connected. It shall also be the responsibility of the contractor to have the person responsible for wiring the cabinet present at the location when the field wiring is connected to the cabinet wiring. In addition, the contractor assumes liability for any damage or damage due to malfunctions or improper wiring.

The controller shall be a fully traffic actuated, solid state, digital microprocessor controller, capable of providing the number and sequence of phases, overlaps, and any special logic as described herein and shown on the accompanying plan. The controller will match the manufacturer and model as specified by the City of Wausau.

The controller shall be fully programmed and shall be mounted in a control cabinet to operate as a complete and functioning intersection traffic signal control system. The equipment items included shall be, but not necessarily limited to, cabinet, microprocessor controller, monitor, detector amplifiers, power supply, power distribution panel, interior cabinet wiring, and other associated electrical and electronic equipment interior to the control cabinet that is necessary to provide the type of operation described in these specifications.

Provide dual ring, programmable for both single and dual entry concurrent timing, eight-phase frame or equivalent. Provide volume density and pedestrian timing for all phases. MUTCD flashing capability shall be provided. All controls shall be in accordance to the accompanying plans and with NEMA Standards Publication No. TSI-1976 including Revisions No. 1 and No. 2.

The intersection controller unit shall be capable of up to 8-phase operation plus four programmable overlaps regardless of whether preemption, coordination or the special programming is used. Wire the intersection cabinet for a minimum of twelve and include six 3-circuit load switches.

B Materials

B.1 Electrical and Operational Aspects

B.1.1 Buffering

Internally buffer all logic circuit inputs to withstand transients and noise, such as might result from normal usage, without damage to any mechanism components.

B.1.2 Timing Features

All controller timing parameters shall be fully programmable from the front panel using switches and/or keyboard inputs, and memory storage features shall be nonvolatile under power off conditions for at least 30 days. The locking, nonlocking detection mode and recall switches shall also be accessible on the front panel.

B.1.3 Minimum Green Timing

The passage timer shall time concurrently with the minimum green timer, so that the duration of the minimum green time is directly adjustable and is independent of the passage time setting.

B.1.4 Dual Ring Timing

In the dual ring application, no more than two phases shall be permitted to time concurrently, and no more than one phase per ring. The controller shall provide barrier protection against concurrent timing of two conflicting phases; no phases assigned to one side of the barrier shall be permitted to time concurrently, if a conflict will occur. The controller shall service calls on a single entry basis, and both rings shall cross the barrier simultaneously in accordance to the following logic: (a) Phases timing concurrently shall terminate simultaneously if both have a gap out due to excessive time between actuations. (b) Phases timing concurrently shall terminate simultaneously if both have a maximum time out. (c) In the event that one phase has not achieved a gap out or maximum time out, the other gapped out phase shall be permitted to leave the gapped out condition and retime an extension when an actuation is received.

B.1.5 Manual (Police) Control

If manual control is used, actuation of the manual control shall permit manual advance of the Walk, Pedestrian Clearance, and Green interval terminations only. Manual termination of Yellow or All Red clearance intervals shall not be permitted.

B.1.6 Red Revert

Provide an adjustable red revert control to assure adequate red display when recycling a phase during call-away or red rest mode operation. A call for service to a different phase shall be preceded by an all-red clearance interval, as programmed.

B.1.7 Coordination

The controller shall be capable of operation in progressive coordination systems and mutual coordination and shall contain, but not be limited to, the following external inputs, with all functions brought out:

Vehicle/Pedestrian Detectors per phase	Pedestrian Omit per phase
Phase Omit per phase	Hold per phase
Omit Red Clearance per ring	Internal Maximum Inhibit per ring
Maximum II per ring	Red rest per ring
Stop Timing per ring	Force-Off per ring
Select Minimum Recall per controller	Manual Control per controller
Semi-Mode per controller	External Start per controller

B.1.8 Minimum Safe Timings Control

Controllers shall not accept any operator input or stored timing parameters that would result in intervals shorter than the following: yellow clearance - 3.0 seconds; minimum walk - 4.0 seconds; minimum pedestrian clearance - 6.0 seconds. At the beginning of each of the above intervals, the controller shall check the previously stored data against these minimums. If an operator attempts to load an incorrect timing parameter, the controller unit shall output a unique error code on the front panel display. As an alternate to minimum timing control, a coded keyboard entry security feature may be provided.

B.1.9 Indicator Lights and Switches

Provide indicator lights to show the status of each signal phase on. Indicator lights shall also be used to show interval status, phase termination information, and presence of vehicular and pedestrian calls for each phase. Also provide an indicator light to show the status of the backup battery charging circuit for future use.

The controller shall have an on off switch and fuse for AC power.

B.1.10 Data Display

If keyboard entry is supplied, the front panel shall contain a display panel consisting of LED display characters. The face of the display shall be scratch, chemical, and solvent resistant. In the case of writing data or parameters into the controller, there shall be a visual indication that the data has been accepted. The number of characters shall be adequate to read or write all data and parameters in decimal format together with a data descriptor in either alpha numeric format, or thumbwheel switch display.

B.1.11 Diagnostic Program

A diagnostic program shall be prepared by the manufacturer of the controller unit that will demonstrate the proper operation of all the inputs, outputs, controls and indicators in the controller, and shall have visual conformation on the front panel. The diagnostic program shall be either resident in the controller or furnished as a separate plug in module. A flow chart and listing of the diagnostic routine shall be furnished with the controller unit.

B.1.12 Maintenance of Controller

For ease of service, the controller shall be divided to a minimum of the following separate circuit boards:

1. CPU/Memory
2. Input/Output
3. Front Panel
4. Power Supply

Each board must be easily removable without requirements for special tools.

The microprocessor supplied shall be the type that has a Fluke Pod that is compatible.

All electronic components must be removable by a PACE (model PPS-5) solder station and all integrated chips over 20 pins must be on sockets.

B.2 Monitoring

Provide a NEMA PLUS monitor with all components and circuitry, independent to the controller and having the capacity to handle a minimum of 12 channels. The monitor shall detect conflicting indications, controller voltage drops, and the absence of reds as follows:

1. Conflicting indications shall cause the monitor to place the intersection in a flashing mode of operation. The monitor shall maintain the flashing mode until manually reset, regardless of 110 VAC power to the conflict monitor.
2. The +24 VDC cabinet power source shall be monitored by the conflict monitor. If that voltage drops to an unsatisfactory level, the monitor shall cause the controller to revert to flashing mode. Upon resumption of normal voltages, the controller shall resume normal stop and go operation without the necessity of manual resetting.
3. The absence of any required red signal voltage at the field connection terminals in the controller assembly shall cause the monitor to place the intersection in a flashing mode of operation. The monitor shall maintain the flashing mode until manually reset.
4. After power interruption (exceeding 457 +/- 25 milliseconds) to the controller assembly a flashing period (4 to 10 seconds adjustable) shall precede the startup (initialization) sequence. This feature can be resident in either the monitor or the controller.
5. The flash circuit shall be wired in a failsafe manner so that the intersection will revert to and remain in flashing mode whenever and for as long as either the controller mechanism or the monitor is disconnected.
6. Indicator lights shall be: a) an indicator for each channel shall be provided with latch status of failure, b) +24V light inputs, c) conflict light, d) conflict monitor power light and program board ajar light, e) power interrupt after failure light, f) red failure light.
7. G or W vs. Y signals on the same channel: This function shall be enabled on a per unit basis. When enabled, the conflict monitor shall be capable of monitoring for green or walk versus yellow indications active on one channel. It shall be recognized as a failure if the condition exists for 850 +/- 150 milliseconds. This failure shall always be considered a latched failure when enabled.
8. G, W, or Y vs. R signals on the same channel: Enable this function on a per channel basis. When enabled, the conflict monitor shall be capable of monitoring for green or walk or yellow versus red indications active on one channel. It shall be recognized as a failure if the condition exists for 850 ±150 milliseconds. This failure shall always be considered a latched failure when enabled.

B.3 Terminal Facilities

Terminal facilities shall consist of all devices external to the controller unit that are necessary to complete the intersection control. Terminal facilities supplied shall be protected by dual 30-amp circuit breakers. The dual 30-amp breakers shall feed an evenly split signal bus supplied through bus relays and radio interference line filters. Bus relays, in all cases, shall be mercury type contractors and shall not be jack mounted. Terminal facilities shall also include applicable load switch panels of sufficient capacity to accommodate 8 vehicle phases, 4 pedestrian phases, and 4 overlap phases and shall include a minimum of 6 solid state 3 circuit load switches with visual indicators. Flash transfer relays and two double circuit flashers shall also be provided. The internal wiring in the load switch panels shall be insulated wiring of sufficient size or the individual outputs fused so that the wiring will not be damaged by shorted output light circuits. Printed circuits in the load switch panels will not be acceptable.

Use terminal strips to terminate controller cable, signal head cables and vehicle and pedestrian detector cables. Terminate all controller inputs and outputs on an interface panel. All interface and output terminal connections shall be the screw down type.

Fuse all interconnect terminal facilities to incoming lines.

B.4 Cabinet Switches

Locate the following switches inside the cabinet on a maintenance panel:

- a. Controller On/Off
- b. Cabinet Light
- c. Stop Time (Three Position)

Position	Label Switch	Function
Upper	Stop Time	Place stop time on the controller
Center	Run	Remove the stop time input to the controller
Lower	Normal	Connects the Monitor to the controller stop time input

Provide switches for all vehicle phases and all even pedestrian phases.

Locate the following switches behind the Police access door:

- a. Signal/Off
- b. Flash/Normal

The above switches shall function as follows:

Signal	Flash	Normal	Off
	Signals Flash	Signals Normal	Signals Dark
			Signals Dark

Manual Detector Operation. Provide three position switches external to the controller that will permit manual detector calls and manual detector disconnect for each phase independently. The switches shall be spring loaded and shall rest in the center (non-operative) position. The switches shall be appropriately labeled and shall operate as follows:

Upper Position:	Spring loaded:	Disconnect detector
Center Position:	Normal detector operation	
Lower Position:	Spring loaded:	Test call is placed to controller.

B.5 Cabinet and Cabinet Equipment

Furnish the controller completely housed in a door-in-door ground mounted (without anchor bolts) metal cabinet of minimum size 1115 mm wide, 685 mm deep, and 1495 mm high.

Provide a cabinet of clean-cut design and appearance. The size of the cabinet shall be such as to provide ample space for housing the controller, and all of the associated electrical devices which are to be furnished with the controller, together with any other auxiliary devices herein specified.

All cabinets shall have the following:

1. A 15-amp circuit breaker for auxiliary equipment.
2. A 2-pole 20-amp circuit breaker for street lighting, photo eye, and contactor.
3. A valve type surge protector, as manufactured by Joslyn, catalog #L9200-10; General Electric, catalog #9L15DCB002; or approved equal, shall be mounted internally within the traffic signal cabinet and shall be connected across the load terminals of the circuit breakers. A General Electric Varistor, catalog #V130PA20A, shall be installed at the load terminals of each circuit breaker from the hot line to the grounded current carrying neutral conductor.
4. Incandescent light socket.
5. Solid state jack mounted NEMA flasher(s) with visual indicators and completely wired base, rated for at least 10 amps per circuit at 74 degrees C.
6. Control switches, including controller power switch, stop time switch, cabinet light switch, and emergency flash switch.
7. All switches specified in Section C-8 and F.
8. Necessary fuses and circuit breakers.
9. All wiring harnesses including detector harnesses. Loop detector harness connector shall be MS-3106B018-IS fully wired terminals I and J which shall go to separate isolated terminals. One loop harness shall be provided for each of the phases (i.e., 01 - 08).
10. **Duplex power receptacle.**
A 120 VAC 20 amp, NEMA 5-20R GFI convenience outlet shall be mounted in each cabinet for energizing equipment or tools. The outlet shall be fuse protected.

11. Radio interference filter.

Each control cabinet shall be equipped with a single radio interference suppressor of sufficient ampere rating to handle the load requirements. The RIS shall be installed at the input power point. It shall minimize interference in both the broadcast and the aircraft frequencies, and shall provide a maximum attenuation of 50DB over a frequency range of from 200KHZ to 75MHZ, when used in connection with normal installations. The radio interference suppressor shall be hermetically sealed in a substantial metal case that shall be filled with a suitable insulating compound. The terminals shall be nickel-plated brass studs of sufficient external length to provide space to connect two No. 8 AWG wires and shall be so mounted that they cannot be turned in the case. Ungrounded terminals shall be properly insulated from each other, and shall maintain a surface leakage distance of not less than 6.35 mm between any exposed current conductor and any other metallic parts. The terminals shall have an insulation factor of 100-200 megohms dependent upon external conditions. The RIS shall not be rated less than 35 amperes. The RIS shall be designed for operation on 115 VAC +/- 10%, 60HZ, single-phase circuits, and shall meet the standards of UL and Radio Manufacturer's Association.

12. Cabinet grounding.

In all controller cabinets and auxiliary cabinets, the AC common, the logic ground, and the chassis ground shall be isolated from each other the same as detailed by NEMA Standard.

13. Suppressors.

Each 120 VAC circuit that serves as inductive device, such as a pan motor or a mechanical relay, shall have a suppressor to protect the controller's solid state devices from excessive voltage surges. Such suppressors shall be in addition to the surge protector at the input power point.

All conductors in the cabinet shall be number 22 AWG or larger, with a minimum of 19 strands, and conforming to military specifications, Mil-W-16878D, Type B or D, vinyl nylon jacket, 600 volt, 105 degree C. All cabinets shall be factory wired.

The cabinet shall provide weather protection and forced ventilation, air filters and heaters, with adjustable thermostat switches, and comply with the environmental and operating standards outlined in NEMA Specification TSI-1-1976. The cabinet shall provide reasonable vandalism protection. Provide access doors that have latches and a Corbin lock, dust cap, and key change IR6380. The small door shall be provided with standard police locks. The heater supplied shall have adjustable thermostat setting which varies from 0 degrees to 40 degrees Celsius.

B.5.1 Forced Ventilation.

Ventilate the controller cabinet containing solid-state equipment by means of a 120 VAC, 60HZ, tube axial compact type fan. The fans free delivery airflow shall be greater than 2.83 cubic meter per minute. The magnetic field of fan motor shall not affect the performance of control equipment. The fan bearings shall operate freely. The fan unit shall not crack, creep, warp or have bearing failure within a 7 year duty cycle. The maximum noise level shall be less than 40 decibels. The fan unit shall be corrosion resistant. The thermostat's turn on setting shall be adjustable from 32 to 49 degrees Celsius. The fan shall run until the cabinet temperature decrease to approximately 17 degrees C. below the turn on temperature setting. The fan shall be fused.

Provide metal shelves to support the controller and external equipment. The controller shall be located on the top shelf and not less than 965 mm above the bottom of the cabinet. There shall be a minimum of 250 mm vertical height for detector units.

Locate buss and flash transfer relays, flashers, load switches, circuit breakers, and interference filters on a standard panel consistent with the intersection plan. Design shall facilitate field inspection and maintenance accessibility without excessive disassembly or special tools.

Prime all inside and outside surfaces of the cabinet inside and outside surfaces with phosphate treatment and primer. After priming, give all exterior surfaces a minimum of two coats of rust resistant silver grey enamel; interior surfaces shall be furnished with rust resistant high gloss white enamel.

Neatly fold and cap any cables, wires, or circuits that are not being used. These wires shall be neatly tied and stowed away in or on the terminal facilities.

Terminal facilities arrangement shall be in a fashion so that trouble shooting of load bay or behind the load bay can be accomplished with simple tools. This means that the load bay will be hinged so that it can be dropped down for ease of maintenance. There will be sufficient slack in the load bay wiring to allow for dropping the load bay.

Protect all control cables, i.e., detector harnesses, controller harnesses, harnesses which connect manual/vehicle detector switches, by a nylon jacket or provide equivalent protection to prevent any contact with cabinet metal shelves, doors and any other sharp corners.

If any branch circuit wiring or control wiring does not conform to the wire specifications, the supplier will be considered as not meeting the specifications and proper corrective action will be exercised against the supplier.

Provide a 4 input PED isolation circuit to isolate controller logic ground from the field wiring. Outputs from the PED isolator shall be connected to phases 2,4,6,8.

B.6 Solid State Load Switches

Load switches shall meet the requirements of NEMA TSI-Part 5 for three circuit load switches.

Each load switch shall contain three individually replaceable, molded case, solid state relay modules. Each relay module shall utilize optical isolation between the control and the load circuits. The module shall have the functions and terminal assignments as specified in NEMA TSI-Part 5.

Each panel of load switches shall either be rack mounted or shall have a switch support bracket extending across the entire length of the switch panel.

The load bay arrangement from left to right in the cabinet shall be as described below:

1. Vehicular Phasing shall be groups first - 01, 02, 03, 04, 05, 06, 07, 08.
2. Pedestrian Phasing shall be followed second - 02, 04, 06, 08.
3. Any other special phasing shall be grouped last.

B.7 Equipment List and Drawings

Submit detailed shop drawings of the control cabinet, equipment layout drawings and wiring diagrams of all equipment installed in the controller cabinet to the owner or their representative for approval. Two sets of cabinet wiring diagrams shall be contained in a heavy duty clear plastic envelope mounted on the inside of the front door.

At the time of delivery, furnish one set of instruction manuals and an itemized price list for each type of equipment, their subassemblies, and their replacement parts. The instruction book shall include the following information: a) Table of Contents, b) operating procedure, c) step-by-step maintenance and troubleshooting information for the entire assembly, d) circuit wiring diagrams, e) pictorial diagrams of parts locations, f) parts numbers, and g) theory of operation. The instructional manuals shall include itemized parts lists. The itemized parts lists shall include the manufacturer's name and parts number for all components (such as IC's, diodes, switches, relays, etc.) used in each piece of equipment. The list shall include cross references to parts numbers of other manufacturers who make the same replacement parts.

B.8 Warranty

The contractor shall certify that the equipment meets the required specification and shall supply a complete catalog description. The following documents shall also be provided.

1. A supplier's warranty statement that stipulates that equipment to be supplied shall be warranted for two years from the date of purchase.
2. Operations manuals.
3. Maintenance manuals.
4. Schematic diagrams.
5. Component and equipment locations within the cabinet.

If a malfunction in the controller unit, or its auxiliary equipment occurs during the warranty period, the supplier shall, within 24 hours after notification (excluding Saturday and Sunday), furnish a like controller unit module, or auxiliary equipment, for use while the warranted unit is being repaired. The isolation of any malfunction during the warranty period shall be the responsibility of the supplier. After the supplier has repaired and returned the equipment, the owner or their representative shall then return the spare component to the supplier.

B.9 Preemption

B.9.1 General

These specifications detail a preemptor program for use with 2 through 8-phase-actuated controller.

The preemptor shall be capable of being adaptable to meet the various types of applications such as railroad, fire station, and bridge preempts.

The preemptor shall be internal to the controller and shall not alter controller capability or interchangeability under normal operation. The preemptor shall be completely programmable by the user.

B.9.2 Preempt Program

Preempt Registration. The preempt call input shall initialize preempt registration and start preempt sequence unless a priority call input is activated which would treat the current controller preemptions state as normal operation and reinitiate call registration.

Preempt Delay. As soon as the preempt call is registered the preempt delay will begin timing unless preempt delay is set zero or preempt delay omit was active during preempt call registration. Delay shall be programmable from 0 to 255 seconds minimum.

As soon as preempt delay is timed out, current running phases not next to be common in preempt sequence are cleared. If the running phases are green and must be cleared, special programmable values of minimum green, walk and pedestrian intervals will time normal times. Concurrently a special preempt clearance is generated. This clearance is designed for advance track signals and any overlaps that may be green and require yellow clearance.

Entry Clearance Phase(s) Select. Two sequential phases or phase pairs shall be available to be run as programmable fixed time intervals as an entry sequence. Two entry options shall be available, each programmable. The entry sequence shall be capable of being omitted entirely.

Dwell Sequence. After the entry sequence, the preemptor shall enter the dwell sequence. During the dwell sequence the controller shall cycle between selected phases on a pre-timed or actuated basis. Pedestrian phasing may be normal or omitted entirely. When the dwell sequence is entered, a preempt dwell output shall be generated. The preemptor shall remain in dwell for the length of the dwell extension timer which shall be capable of being held in reset by the preempt call input. Dwell extension shall be omissible by setting the timer to zero.

Exit Sequence. After leaving dwell, the controller shall enter one or two programmed exit phases(s) or phase pairs sequences. The sequence will time programmed minimum green and place a vehicle call on all phases not omitted. After timing exit phase minimum green the controller shall time and sequence normally.

B.10 Time Base Coordination

These specifications detail a Time Base Coordinator program for use with 2 through 8-phase actuated controller.

The units shall allow traffic control equipment to be coordinated without requiring the use of interconnection cables. The units shall coordinate traffic control equipment based on signals from a precise time base which will allow output control signals to be changed at the proper pre-programmed time to achieve the coordinated operation of an intersection with other intersections or the desired operation of an isolated intersection. The coordinators may also use a programmer for a master intersection controller which in turn is interconnected with secondary intersection controllers. The units shall also be capable of providing a command for MUTCD flash, and shall allow a full year program to be initiated and carried out without the necessity of field adjustment for anticipated special events, etc.

The time base coordinator shall be internal to the controller and shall not alter controller capability or interchangeability under normal operation. The time base coordinator shall be completely programmable by the user.

B.11 Loop Detector Amplifiers

Provide a 16 Channel Detector Rack and Power Supply compatible with microwave detector units.

B.12 Controller Operation

Consistent with customary trade practices, the manufacturer shall furnish a warranty for all electrical or mechanical equipment described herein. The contractor shall turn such warranty over to the owner for potential dealing with the guarantor.

If the contractor is the guarantor, he specifically waives the requirements of Section 289.14(2), Wisconsin Statutes, and agrees as a condition of the contract that the owner may maintain an action against him at any time during the warranty period for recovery of damages which the state may have sustained by reason of the failure of the contractor to comply with the provisions of the warranty provided to the owner.

During the installation and testing of the controller, the contractor shall provide, at his own expense, a competent representative to oversee, direct and manage the installation and testing of the controller. In the final stages of the installation and testing, the manufacturer's representative shall be available at the job site for consultation until such time as the controller operation is tested and accepted.

If a malfunction in the controller unit or its auxiliary equipment occurs during the warranty period, the supplier shall, within 24 hours after notification (excluding Saturday and Sunday), furnish a like controller unit, module, or auxiliary equipment, for use while the warranted unit is being repaired. The isolation of any malfunction and the repair and/or replacement of any device within the warranty period shall be the responsibility of the supplier. After the supplier has repaired and returned the equipment, the county shall return the spare component to the supplier.

C (Vacant)

D Measurement

The department will measure Traffic Signal Controller and Cabinet, Fully Actuated 8-Phase, as each 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
SPV.0060.33	Traffic Signal Controller and Cabinet, Fully Actuated 8-Phase	EACH

Payment is full compensation for providing the signal controller and conflict monitor together with cabinet, switches for flashing operation, and fittings as are necessary to assure that the controller will perform the said functions.

56. Adjusting Curb Stop, Item SPV.0060.36.

A Description

This special provision describes adjusting existing water service curb stops to the required finished elevation.

B (Vacant)

C Construction

Ensure existing water service curb stops are located and identified. Protect the curb stops during construction and ensure accessibility to the curb stops at all times. Adjust water service curb stops to the required finished elevations. Furnish and install extensions if necessary.

D Measurement

The department will measure Adjusting Curb Stop by the unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.36	Adjusting Curb Stop	EACH

Payment is full compensation for adjusting water service curb stops and furnishing and installing extensions if necessary. The contractor shall replace curb stops, which are damaged by the contractor's operations, in kind, at the contractor's expense.

57. Bore and Jack Steel Casing Pipe 24-Inch, Item SPV.0090.01.

A Description

This special provision describes furnishing and boring and jacking steel casing pipe as shown on the plans and as hereinafter provided.

B Materials

Provide casing pipe consisting of new steel pipe with continuously welded joints, ASTM A139, Grade B, or ASTM A53, Grade B. Wall thickness shall be a minimum of 0.375". Pipe coating and liner are not required.

C Construction

Install casing pipe at line and grade that will allow carrier pipe to be installed at the elevation and grade indicated on the plans.

Place casing pipe by boring and jacking method. Remove earth in front of pipe by means of an inserted auger (or by hand if pipe size permits). Advance pipe by means of jacks. Use a jacking collar, timbers, and other means as necessary to protect driven end of pipe from damage.

Steel casing pipe may be installed in sections with field joints welded according to ASME Code Requirements for single-welded butt joints.

D Measurement

The department will measure Bore and Jack Steel Casing Pipe 24-Inch by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Bore and Jack Steel Casing Pipe 24-Inch	LF

Payment is full compensation for furnishing and installing the casing pipe; and for all boring pit excavating and backfilling.

The carrier pipe within the casing will be measured and paid for separately under the applicable watermain pipe items provided in the contract.

**58. Concrete Curb and Gutter HES 30-Inch Type D, Item SPV.0090.02;
Concrete Curb and Gutter 12 1/2-Inch Sloped HES 30-Inch Type D, Item SPV.0090.03.**

A Description

This special provision describes constructing concrete curb and concrete curb & gutter according to the requirements of standard spec 601.

B Materials.

Provide concrete that conforms to the requirements for high early strength concrete according to standard spec 501.

C Construction (Vacant)

D Measurement

The department will measure Concrete Curb and Gutter HES (size) (type) in length by the linear foot, acceptably completed according to standard spec 601.4.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.02	Concrete Curb and Gutter HES 30-Inch Type D	LF
SPV.0090.03	Concrete Curb and Gutter 12 1/2-Inch Sloped HES 30-Inch Type D	LF

Payment will be made according to standard spec 601.5.

ncr-601-010 (10152014)

59. Precast Concrete Box Culvert, 10 FT x 8 FT Extension, Item SPV.0090.04.

A Description

This special provision describes designing, furnishing, and installing a precast concrete box culvert extension of the size and length the plans show and in accordance with standard spec 504.

B Materials

B.1 Design

Conform to AASHTO Load and Resistance Factor Design Specifications and the WisDOT Bridge Manual Chapter 36.

B.2 Plan Requirements and Submittals

Provide plans, shop drawings, and design calculations, signed and sealed by a professional engineer registered in the state of Wisconsin.

Electronically submit one copy of plans and design calculations to place on file to the engineer, for review and acceptance by the Bureau of Structures. If the engineer requests, submit 2 extra copies of plans for review before ordering materials or starting construction. Make the submittal no later than 45 days after date of notice of contract approval.

Allow the following time period in the construction schedule: 14 calendar days after the first receipt of plans by WisDOT for a complete initial review of the design and plans submittals, and an additional 14 calendar days for any necessary revisions and/or corrections.

C (Vacant)

D Measurement

The department will measure Precast Concrete Box Culvert, 10 FT x 8 FT Extension, completed according to the contract and accepted, in length by the linear foot in place. The box culvert will be measured on the centerline of the box along the flow line of the barrel and the apron.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.04	Precast Concrete Box Culvert, 10 FT x 8 FT Extension	LF

Payment is full compensation for design and construction of the box culvert extension including all necessary coordination with the department, including joint ties, mastic, and all hardware.

60. Preparing Topsoil for Lawn Type Turf, Item SPV.0180.01.

A Description

This special provision describes preparing the bed of topsoil or salvaged topsoil, for seeding or placing sod.

B (Vacant)

C Construction

Prepare and finish the subgrade so that rocks, concrete debris, or wood larger than 3 inches in diameter are not present within 1 foot of the finished surface of the topsoil.

Remove or break down all clods and lumps in the topsoil by using harrows or discs, screening, or other appropriate methods to provide a uniformly textured soil, in which 100 percent of the topsoil passes a 1-inch sieve and at least 90 percent passes a No. 10 sieve.

Remove rocks, twigs, clods, and other foreign material that will not break down, and dress the entire surface to present a uniform appearance.

Shape the topsoil so that the horizontal or sloped surface between any two points ten feet apart does not vary by more than 1 inch. Roll with a turf type roller to a uniform minimum compacted depth of 6 inches.

Shape and compact the topsoil adjacent to pavements, sidewalks, and curbs to 1 inch below the top of the abutting surface. Before seeding, correct locations that vary by more than ¼-inch.

D Measurement

The department will measure Preparing Topsoil for Lawn Type Turf acceptably completed in area by the square yard.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.01	Preparing Topsoil for Lawn Type Turf	SY

Payment is full compensation for preparing the subgrade and topsoil bed for sod or seed as described above.

ncr-625-005 (20150430)

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 4 (number) TrANS Apprentice(s) be utilized on this contract.
- 3) The maximum duration of reimbursement is two years as a TrANS graduate plus time in apprentice status.

- 4) If a TrANS program is not available in the contractor's area and another training program is utilized, payment of On-the-Job Training hours may be approved by the Wisconsin Department of Transportation (WisDOT) if the training program meets the established acceptance criteria. Only On-the-Job Training Hours accumulated after WisDOT approval will be reimbursed as specified under Items ASP.1T0G and ASP.1T0A. For more information, contact the Disadvantaged Business Enterprise Office at the phone numbers listed above.
- 5) WisDOT reserves the right to deny payments under items ASP.1T0G and ASP.1T0A if the contractor either fails to provide training or there is evidence of a lack of good faith in meeting the requirements of this training special provision.

II. RATIONALE AND SPECIAL NOTE

The \$5.00 per hour now being paid for TrANS placements is intended to cover the duration of two years to allow for reaching entry-level laborer status. An additional incentive, the \$5.00 rate, would promote movement into the underutilized skilled trades' apprenticeships and applies until the individual completes their apprenticeship. These incentives benefit TrANS candidates by giving them a better opportunity to enter a skilled trade; benefits contractors who will be assisted in meeting their EEO profiles and goals; and benefits the public who will see the program reinforce larger public-private employment reform in Wisconsin. The pool of TrANS graduates was created for the purpose of addressing underutilization in the skilled trades, an objective that is further reinforced by a parallel retention pilot program, known as the Companywide Reporting. *Whether or not reimbursement is involved, the WisDOT reassures contractors who are in the Companywide Program that TrANS placements still contribute toward fulfilling the new hire goal of 50% women and minorities.* Based on data administered by United States Department of Labor (US DOL), the highway skilled trades remain underutilized for women statewide (less than 6.9%); and for minorities in all counties (% varies by county).

NOTE: Unless using other advancement strategies, contractors are encouraged to use some or all of this monetary incentive to offset the cut in hourly wages an individual may incur when entering an apprenticeship if the full general laborer hourly rate has been previously paid. No special accounting measures are required.

III. IMPLEMENTATION

The implementation of ASP 1 is intended to cover only the amount of time it takes for underutilization to be resolved across the trades. This will be measured annually at the county and/or state levels using data administered by WisDWD in relation to goals set by the USDOL-OFCCP. With appropriate state and federal approvals, we may also do some measurement at the company level.

It is the contractor's responsibility to note on their Certified Payrolls if their employee is a TrANS graduate or a TrANS apprentice. The District EEO Coordinators utilize the information on the Certified Payrolls to track the hours accumulated by TrANS Graduates and TrANS apprentices on WisDOT contracts. Payment under this ASP 1 is made based on the hours recorded off of the Certified Payrolls. Tracking may eventually include improved linkages with the WisDWD apprentice database, information from company and committee level sources.

TrANS is nondiscriminatory by regulation, and is a tool for optional use by contractors to address the underutilization of women and minorities as laborers and apprentices in our industry's skilled trades.

IV. TRANS TRAINING

As part of the contractor's equal employment opportunity affirmative action program, training shall be provided to employees enrolled in apprenticeship and on-the-job training programs as follows:

The contractor shall provide on-the-job training aimed at developing full journey workers in the type of trade or job classifications involved. In the event the contractor subcontracts a portion of the contract work, the contractor shall determine how many, if any, of the trainees are to be trained by the subcontractor provided, however, that the contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The contractor shall also insure that this training special provision is made applicable to such subcontract.

Training and upgrading of minorities and women toward journey workers status is a primary objective of this training special provision. Accordingly, the contractor shall make every effort to enroll minority trainees and women (e.g., by conducting systematic and direct recruitment through public and private sources likely to yield minority trainees and women trainees); to the extent such persons are available within a reasonable area of recruitment. The contractor will be given an opportunity and will be responsible for demonstrating the steps that they have taken in pursuance thereof, prior to determination as to whether the contractor is in compliance with this training special provision. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journey workers status or in which they have been employed as a journey worker. The contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used, the contractor's records should document the findings in each case.

V. APPRENTICESHIP TRAINING

The Federal Highway Administration's (FHWA) policy is to require full use of all available training and skill improvement opportunities to assure increased participation of minority groups,

disadvantaged persons and women in all phases of the highway construction industry. The FHWA On-the-Job Training (OJT) Program requires the State transportation agencies (STAs) to establish apprenticeships and training programs targeted to move women, minorities, and disadvantaged individuals into journey-level positions to ensure that a competent workforce is available to meet highway construction hiring needs, and to address the historical 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) The Commitment to Subcontract to DBE (Form DT1506 or digital submittal), Attachments A, and Good Faith Effort Documentation (Form DT1202) will be submitted as described in Section 2.
- (2) Any change to DBE Commitments thereafter must follow modification of DBE subcontracting commitment as described in Section 9.
- (3) 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.
- (4) The contractor must utilize the specific DBE firms listed in the approved DBE Commitment to perform the work and/or supply the materials for which the DBE firm is listed unless the contractor obtains written consent in advance from WisDOT. The contractor will not be entitled to payment for any work or materials on the approved DBE Commitment that is not performed or supplied by the listed DBE without WisDOT's written consent.

Description

The Wisconsin Department of Transportation is committed to the compliant administration of the DBE Program. The DBE provisions work in tandem with FHWA 1273 and WisDOT's *Standard Specifications for Highway and Structure Construction* and *Construction and Materials Manual*. The WisDOT Secretary is signatory to assurances of department-wide compliance.

The Department assigns the contract DBE goal as a percentage of work items that could be performed by certified DBE firms on the contract. The assigned DBE goal is expressed on the bid proposal as a percentage applicable to the total contract bid amount.

- (1) WisDOT identifies the assigned DBE goal in its contract advertisements and posts the contract DBE goal on the cover of the bidding proposal. The contractor can meet the assigned contract DBE goal by subcontracting work to a DBE firm or by procuring services or materials from a DBE firm.

- (2) Under the contract, the prime contractor should inform, advise, and develop participating DBE firms to be more knowledgeable contractors who are prepared to successfully complete their contractual agreement through the proactive provision of assistance in the following areas:
- Produce accurate and complete quotes
 - Understand highway plans applicable to their work
 - Understand specifications and contract requirements applicable to their work
 - Understand contracting reporting requirements
- (3) The Department encourages contractors to assist DBE subcontractors more formally by participating in WisDOT's Business Development program as a mentor, coach, or resource. For comprehensive information on the Disadvantaged Business Enterprise Program, visit the Department's Civil Rights and Compliance Section website at: <http://wisconsindot.gov/Pages/doing-bus/civil-rights/dbe/default.aspx>

1. Definitions

Interpret these terms, used throughout this additional special provision, as follows:

- a. **Assigned DBE Contract Goal:** The percentage shown on the cover of the Highway Work Proposal that represents the feasible level of DBE participation for each contract. The goal is calculated using the Engineer's Estimate and DBE Interest Report. Goal assignment includes review of FHWA funds, analyzes bid items for subcontract opportunity and compatibility with DBE certified firm work codes. Additional factors considered include proximity, proportion, and regulations.
- b. **Bid Shopping:** In construction law, bid shopping is the practice of divulging a subcontractor's bid to another prospective contractor(s) before or after the award of a contract to secure a lower bid.
- c. **DBE:** Disadvantaged Business Enterprise – A for-profit small business concern where socially and economically disadvantaged individuals own at least a 51% interest and control management and daily business operations.
- d. **DBE Commitment:** The DBE Commitment is identified in the Commitment to Subcontract to DBE (Form DT1506) and is expressed as the amount of DBE participation the prime contractor has secured. The DT1506, a contract document completed by the bidder, is required to be considered a responsive bidder on an FHWA-funded contract that has an assigned DBE goal. The prime contractor will have the option to submit the DT1506 digitally, as an entry with the bid in Bid Express, or as an attachment to the bid.
- e. **DBE Utilization:** The actual participation of a DBE subcontractor on a project. WisDOT verifies DBE utilization through review of the DBE Commitment, payments to subcontractors, and contract documentation. The Prime Contractor receives DBE credit for payments made to the DBE firms performing the work listed on the approved DBE Commitment, and those submitted after approved commitment with Attachment A.
- f. **Good Faith Effort:** Legal term describing a diligent and honest effort taken by a reasonable person under the same set of facts or circumstances. For DBE subcontracting, the bidder must show that it took all necessary and reasonable steps to achieve the assigned DBE goal by the scope, intensity, and appropriateness of effort that could reasonably be expected for a contractor to obtain sufficient DBE participation.
- g. **Manufacturer:** A firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract.
- h. **Reasonable Price:** Contractors are expected to assess reasonable price by analyzing the contract scope for DBE subcontract feasibility and comparing common line items in DBE and non-DBE subcontract quotes for the same work. Per federal regulation, reasonable price is not necessarily the lowest price.
- i. **Supplier:** A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles, or equipment required under the contract are bought, kept in stock, and regularly sold or leased to the public.
- j. **Tied quote:** Subcontractor quote that groups multiple bid/line items at a bundled/package price with a notation that the items within the quote will not be separated.

2. WisDOT DBE Program Compliance

a. Documentation Submittal

- The Commitment to Subcontract to DBE (Form DT1506 or digital submittal) must be submitted at the time of bid (Tuesday) by all prime contractors.
- Attachments A OR quotes from all DBEs included in the Commitment must be submitted at bid (Tuesday) **OR**
- Within one-hour following bid submittal by ALL prime contractors via eSubmit (Tuesday).
- If only DBE quotes were submitted, all remaining signed Attachments A must be submitted within 24-hours of bid closing via eSubmit (Wednesday).
- If the assigned DBE contract goal is not met, Documentation of Good Faith Effort (Form DT1202) and supporting documentation must be submitted within 24-hours of bid closing (Wednesday) via eSubmit. [Instructions for eSubmit.](#)

**Bidders have the option of submitting the DBE Commitment at the time of bid via direct entry through Bid Express OR with attachment of Form DT1506 (Commitment to Subcontract to DBE). The DBE Commitment entered with bid is the digital form of the DT1506. Separate submission of Form DT1506 is not required if the DBE Commitment is entered in Bid Express. Form DT1202, if applicable, is no longer required to be submitted at time of bid; submit DT1202 within the 24-hour supplemental time frame following bid closing.

The DBE Office will not certify Good Faith Effort and the Bureau of Project Development will consider the bid nonresponsive if the contractor fails to furnish the DBE Commitment (digitally entered into the bid OR Form DT1506 as an attachment), Attachments A, and Form DT1202 if applicable, as required. See sample forms in the Appendix.

b. Verification of DBE Commitment

The documentation related to DBE subcontract commitment submitted prior to contract award is evaluated as follows:

(1) DBE Goal Met

If the bidder indicates that the contract DBE goal is met, the Department will evaluate the DBE Commitment submitted with bid OR Form DT1506, and Attachments A to verify the actual DBE percentage calculation. If the DBE Commitment is verified, the contract is eligible for award with respect to the DBE Commitment.

(2) DBE Goal Not Met

- a) If the bidder indicates a bid percentage on the DBE Commitment that does not meet the assigned DBE contract goal, the bidder must request alternative evaluation of good faith effort through submission of Form DT1202 (Documentation of Good Faith Effort) within 24-hours of bid including narrative description. Supplementary documentation of good faith effort that supports the DT1202 submission is also due within 24-hours of bid submission and prior to bid posting. The Department will review the bidder's DBE Commitment and evaluate the bidder's good faith efforts submission.
- b) Following evaluation of the bidder's Good Faith Effort documentation the bidder will be notified that the Department intends to:
 1. *Approve* the request (adequate documentation of GFE has been submitted) - no conditions placed on the contract with respect to the DBE Commitment;
 2. *Deny* the request (inadequate documentation of GFE has been submitted) - the contract is viewed as non-responsive per Wisconsin Standard Specifications for Highway and Structure Construction and will not be executed.

- c) If the Department denies the bidder's request, the contract is ineligible for award. The Department will provide a written explanation for denying the request to the bidder. The bidder may appeal the Department's denial (see Section 4).

Supplemental good faith effort documentation must be submitted through eSubmit.

3. Department's Criteria for Good Faith Effort Documentation

The Federal-aid Construction Contract Provision, referenced as FHWA-1273, explicitly states that the prime contractor shall be responsible for all work performed on the contract by piecework, station work, or subcontract.

The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of the contract including assurances of equal employment opportunity laws, DBE regulations, and affirmative action. Compliance encompasses responsible and responsive action, documentation, and good faith effort.

Contractually, all contractors, subcontractors, and service providers on the contract are bound by FHWA 1273 and DBE program provisions. **Prime contractors should encourage subcontractors to utilize DBE firms whenever possible to contribute to the assigned DBE contract goal.**

Bidders are required to document good faith effort. Per 49 CFR Part 26.53, good faith effort is demonstrated in one of two ways. The bidder:

- (1) Documents that it has obtained enough DBE participation to meet the goal; OR
- (2) Documents that it made adequate good faith efforts to meet the goal, even though it did not succeed

Appendix A of 49 CFR Part 26 provides guidance concerning good faith efforts. WisDOT evaluates good faith effort on a contract basis just as each contract award is evaluated individually.

The efforts employed by the bidder should be those that WisDOT can reasonably expect a bidder to take to actively and aggressively obtain DBE participation sufficient to meet the DBE contract goal. The Department will only approve demonstration of good faith effort if the bidder documents the quality, quantity, and intensity of the variety of activities undertaken that are commensurate with expected efforts to meet the stated goal.

The Department, in conjunction with industry stakeholders, has developed the following guidance for contractor good faith effort activity. The guidance and the attached appendices provide a framework for the actions required by all parties in the processing and evaluation of bidder's total efforts to achieve the project specific DBE goal prior to the bid letting date.

a. Solicitation Guidance for Prime Contractors:

- (1) Document all efforts and decisions made toward achieving the DBE goal on the contract. The bidder should use WisDOT-approved DBE outreach tools, including the UCP DBE Directory and the Bid Express Small Business Network to foster DBE participation on all applicable contracts.
- (2) As needed, request assistance with DBE outreach and follow-up by contacting the Department's DBE Support Services Office by phone or email request at least 14 days prior to the bid letting date. Phone numbers are (414) 438-4584 and/or (608) 267-3849; Fax: (414) 438-5392; E-mail: DBE_Alert@dot.wi.gov
- (3) Participate in and document a substantive conversation with at least one DBE firm per Let, to discuss questions, concerns, and any other contract related matters that may be applicable to the DBE firm. Guidelines for this conversation are provided in Appendix A of ASP-3.
- (4) Request quotes by identifying potential items to subcontract and solicit. In their initial contacts, contractors are strongly encouraged to include a single page, detailed list of items for which they are accepting quotes, by project, within a letting. *See attached sample entitled "Sample Contractor Solicitation Letter" in Appendix B.* Prime contractors should also indicate a willingness to accept quotes in areas they are planning to perform themselves, as required by federal rules. In some cases, it might be appropriate to use DBE firms to do work in a prime contractor's area of specialization.

- i. Solicit quotes from certified DBE firms who match possible items to subcontract using all reasonable and available means. Additionally, forward copies of solicitations highlighting the work areas for which quotes are being sought to DBE_Alert@dot.wi.gov
- ii. Acceptable outreach tools include SBN (Small Business Network, see Appendix C): <https://www.bidx.com/wi/main>, postal mail, email, fax, and phone.
 - a. Contractors must ask DBE firms for a response in their solicitations. See *Sample Contractor Solicitation Letter*, Appendix B. This letter may be included as an attachment to the sub-quote request.
 - b. Solicit quotes at least 10 calendar days prior to the letting date to allow DBE firms sufficient time to respond. Prime contractors should contact DBE firms early, asking if they need help organizing their quote, assistance confirming equipment needs, or other assistance supporting their submission of a competitive quote for their services.
 - c. A follow up solicitation should take place within 5 calendar days of the letting date. Email and/or SBN are the preferred method for the solicitation.
- iii. Upon request, provide interested DBE firms with adequate information about plans, specifications, and the requirements of the contract by letter, information session, email, phone call, and/or referral.
- iv. When potential exists, the contractor should advise interested DBE firms on how to obtain bonding, line of credit, or insurance if requested.
- v. Document DBE firm's interest in quoting by taking appropriate steps to follow up initial solicitation with:
 - a. Email to all prospective DBE firms in relevant work areas
 - b. Phone call log to DBE firms who express interest via written response or call
 - c. Fax/letter confirmation
 - d. Signed copy of record of subcontractor outreach effort

b. Guidance for Evaluating DBE quotes

- (1) Quote evaluation practices required to evaluate DBE quotes:
 - i. Reasonable Price: Contractors are expected to assess reasonable price by analyzing the contract scope for DBE subcontract feasibility and comparing common line items in DBE and non-DBE subcontract quotes for the same work. Per federal regulation, reasonable price is not necessarily the lowest price. See 49 CFR Part 26, Appendix A. IV.D(2).
- (2) Documentation submitted by the prime of the following evaluation is required to evaluate DBE quotes by contractors:
 - i. Evaluation of DBE firm's ability to perform "possible items to subcontract" using legitimate reasons, including but not limited to, **a discussion** between the prime and DBE firm regarding its capabilities prior to the bid letting. If lack of capacity is the reason for not utilizing the DBE firm's quote, the prime is required to contact the DBE by phone and email regarding their ability to perform the work indicated in the UCP directory listed as their work area by NAICS code. Only the work area indicated by the NAICS code(s) listed in the UCP directory can be counted toward DBE credit. Documentation of the conversation is required.
 - a. In striving to meet an assigned DBE contract goal, contractors are expected to use DBE quotes that are responsive and reasonable. This includes DBE quotes that are not the low quote.
 - b. Additional evaluation - Evaluation of DBE quotes with tied bid items. Typically, this type of quoting represents a cost saving but is not clearly stated as a discount. Tied quotes are usually presented as an 'all or none' quote. When non-DBE subcontractors submit tied bid items in their quotes, the DBE firm's quote may not appear competitive. In such a case, the following steps are taken in comparing the relevant quotes. These are qualitative examples:

- i Compare bid items common to both quotes, noting the reasonableness in the price comparison.
- ii Review quotes from other firms for the bid items not quoted by the DBE firm to see if combining both can provide the same competitive advantage that the tied bid items offered.

See Appendix D – *Good Faith Effort Evaluation Measures* and Appendix E - *Good Faith Effort Best Practices*.

c. Requesting Good Faith Effort Evaluation At the time of bid- if the DBE goal is not met in full, the prime contractor must indicate they will file form DT1202- Documentation of Good Faith Effort within 24-hours of bid submission. Supplementary documentation of good faith effort that supports the DT1202 submission is also due within 24-hours of bid submission and prior to bid posting. Supporting documentation for the DT1202 is to include the following:

- (1) Solicitation Documentation: The names, addresses, email addresses, and telephone numbers of DBE firms contacted along with the dates of both initial and follow-up contact; electronic copies of all written solicitations to DBE firms. A printed copy of SBN solicitation is acceptable.
- (2) Selected Work Items Documentation: Identify economically feasible work units to be performed by DBEs to include activities such as: list of work items to be performed; breaking up of large work items into smaller tasks or quantities; flexible time frames for performance and delivery schedules.
- (3) Documentation of Project Information provided to interested DBEs: A description of information provided to the DBE firms regarding the plans, specifications, and estimated quantities for portions of the work to be performed by that DBE firm.
- (4) Documentation of Negotiation with Interested DBEs: Provide sufficient evidence to demonstrate that good faith negotiations took place. Merely sending out solicitations requesting bids from DBEs does not constitute sufficient good faith efforts.
- (5) Documentation of Sound Reasoning for Rejecting DBEs and copies of each quote received from a DBE firm and, if rejected, copies of quotes from non-DBEs for same items.
- (6) Documentation of Assistance to Interested DBEs- Bonding, Credit, Insurance, Equipment, Supplies/Materials
- (7) Documentation of outreach to Minority, Women, and Community Organizations and other DBE Business Development Support: Contact organizations and agencies for assistance in contacting, recruiting, and providing support to DBE subcontractors, suppliers, manufacturers, and truckers at least 14 days before bid opening. Participate in or host activities such as networking events, mentor-protégé programs, small business development workshops, and others consistent with DBE support.

If the Good Faith Effort documentation is deemed adequate, the request will be approved and the DBE office will promptly notify the Prime Contractor and Bureau of Project Development.

If the DBE Office denies the request, the Prime Contractor will receive written correspondence outlining the reasons. The Department encourages the Prime Contractor to communicate with DBE staff to clarify any questions related to meeting goals and/or contractor demonstration of good faith efforts.

If the contract is awarded, the Prime Contractor must obtain written consent from the DBE Office to change or replace any DBE firm listed on the approved DBE Commitment. No contractor, prime or subsequent tier, shall be paid for completing work assigned to a DBE subcontractor on an approved DBE Commitment unless WisDOT has granted permission for the reduction, replacement, or termination of the assigned DBE in writing. If a prime contractor or a subcontractor on any tier uses its own forces to perform work assigned to a DBE on an approved DBE Commitment, **they will not be paid for the work**. Any changes to DBE Commitment after the approval of the DBE Commitment must be reviewed and approved by the DBE Office prior to the change (see Section 9).

Additional resources for demonstrating and tracking good faith effort can be found on the “Contracting with a DBE” webpage in the [ASP-3 and Good Faith Effort Guidance](#) section.

4. Bidder's Documentation of Good Faith Effort Evaluation Request Appeal Process

A bidder can appeal the Department's decision to deny the bidder's demonstration of Good Faith Effort through Administrative Reconsideration. The bidder must provide a written justification refuting the specific reasons for denial as stated in the Department's denial notice. The bidder may meet in person with the Department if so requested. Failure to appeal within 5 business days after receiving the Department's written notice denying the request constitutes a forfeiture of the bidder's right of appeal. Receipt of appeal is confirmed by email date stamp or certified mail signed by WisDOT staff. A contract will not be executed without documentation that the DBE provisions have been fulfilled.

The Department will appoint a representative who did not participate in the original good faith effort determination, to assess the bidder's appeal. The Department will issue a written decision within 5 business days after the bidder presents all written and oral information. In that written decision, the Department will explain the basis for finding that the bidder did or did not demonstrate an adequate good faith effort to meet the contract DBE goal. The Department's decision is final.

5. Determining DBE Eligibility

Directory of DBE firms

- a. The only resource for DBE firms certified in the State of Wisconsin is the Wisconsin Unified Certification Program (UCP) DBE Directory. WisDOT maintains a current list of certified DBE firms at: <http://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/dbe-ucp-directory.xlsx>
- b. The DBE Program office is available to assist with contracting DBE firms:(608) 267-3849.
- c. DBE firms are certified based on various factors including the federal standards from the Small Business Administration that assigns a North American Industrial Classification (NAICS) Codes. DBE firms are only eligible for credit when performing work in their assigned NAICS code(s). If a DBE subcontractor performs work that is not with its assigned NAICS code, the prime contractor should contact the DBE Office to inquire about compatibility with the Business Development Program.

6. Counting DBE Participation

Assessing DBE Work

The Department will only count the DBE usage towards the contract DBE goal if the DBE firm is certified as a DBE by one of the UCP agencies. The Department only counts the value of the work a DBE actually performs towards the DBE goal. The Department assesses the DBE work as follows:

- a. The Department counts work performed by the DBE firm's own resources. The Department includes the cost of materials and supplies the DBE firm obtains for the work. The Department also includes the cost of equipment the DBE firm leases for the work. The Department will not include the cost of materials, supplies, or equipment the DBE firm purchases or leases from the prime contractor or its affiliate, with the exception of non-project specific leases the DBE has in place before the work is advertised.
- b. The Department counts fees and commissions the DBE subcontractor charges for providing bona fide professional, technical, consultant, or managerial services. The Department also counts fees and commissions the DBE charges for providing bonds or insurance. The Department will only count costs the program engineer deems reasonable based on experience or prevailing market rates.
- c. If a DBE firm subcontracts work, the Department counts the value of the work subcontracted to a DBE subcontractor.
- d. The contractor will maintain records and may be required to furnish periodic reports documenting its performance under this item.
- e. It is the Prime Contractor's responsibility to determine whether the work that is committed and/or contracted to a DBE firm can be counted for DBE credit by referencing the work type and NAICS code listed for the DBE firm on the Wisconsin UCP DBE Directory.

- f. It is the Prime Contractor's responsibility to assess the DBE firm's ability to perform the work for which it is committing/contracting the DBE to do. Note that the Department encourages the Prime Contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts.
- g. The Prime Contractor will inform the DBE office via email of all DBE subcontractors added to the project following execution of the contract. The Prime Contractor may omit submission of another form DT1506, but must submit signed Attachment A forms for additional DBE firms.
- h. See Section 7 for DBE credit evaluation for Trucking and Section 8 for DBE credit evaluation for Manufacturers, Suppliers, and Brokers

Naming conventions: When emailing files, please use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, Attachment A" Email: DBE_Alert@dot.wi.gov

*Note: A sublet request is required for DBE work, regardless of subcontract tier, and also for reporting materials or supplies furnished by a DBE.

- Sublet Requests via form DT1925 or WS1925 are required for 1st Tier DBEs
- For all 2nd Tier and below notification of DBE sublet is indicated by the contractor entering them in CRCS

7. Credit Evaluation for Trucking

All bidders are expected to adhere to the Department's current trucking policy posted on the HCCI website at: <http://wisconsin.gov/Documents/doing-bus/civil-rights/dbe/trucking-utilization-policy.pdf>

The prime contractor is responsible for ensuring that all subcontractors including trucking firms, receive Form FHWA 1273: <https://www.fhwa.dot.gov/programadmin/contracts/1273/1273.pdf>

See Section 8 for Broker credit.

8. Credit Evaluation for Manufacturers, Suppliers, Brokers

The Department will calculate the amount of DBE credit awarded to a prime using a DBE firm for the provisions of materials and supplies on a contract-by-contract basis. The Department will count the material and supplies that a DBE firm provides under the contract for DBE credit based on whether the DBE firm is a manufacturer, supplier, or broker. Generally, DBE credit is determined through evaluation of the DBE owner's role, responsibility, and contribution to the transaction. Maximum DBE credit is awarded when the DBE firm manufactures materials or supplies. DBE credit decreases when the DBE firm solely supplies materials, and minimal credit is allotted when the DBE firm's role is administrative or transactional. It is the bidder's responsibility to confirm that the DBE firm is considered a supplier or a manufacturer before listing them on Commitment to Subcontract to DBE form DT1506 or DBE Commitment submitted with the bid.

a. Manufacturers

- (1) A manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications.
- (2) If the materials or supplies are obtained from a DBE manufacturer, **100%** percent of the cost of the materials or supplies counts toward DBE goals.

b. Regular Dealers of Material and/or Supplies

- (1) 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.

- (2) 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.
- (3) 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.
- (4) When DBE suppliers are contracted, additional documentation must accompany the DBE Commitment and Attachment A forms. An invoice or bill-of-sale that includes names of the bidder and the DBE supplier, along with documentation of the calculations used as the basis for the purchase agreement, subcontract, or invoice. WisDOT recognizes that the amount on the Attachment A form may be more or less than the amount on the invoice per b.(1) above.
 - i. The bidder should respond to the following questions and include with submission of form DT1506 or the DBE Commitment entered with bid:
 - a. What is the product or material?
 - b. Is this item in the prime's inventory or was the item purchased when contract was awarded?
 - c. Which contract line items were referenced to develop this quote?
 - d. What is the amount of material or product used on the project?
- (5) 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.
 - i. To ensure that the appropriate credit is assigned, follow the procedure below:
 - a. When DBE suppliers are contracted for bulk supply or commodity purchases, an invoice or bill-of-sale that includes names of the contractor and the DBE supplier should be submitted to the DBE Office via eSubmit (preferred during letting) or the DBE_Alert email box. The supply/commodity credit may be applied during the federal fiscal year (October- September) in which the purchase was made.
 - b. When the contractor intends to apply the credit to a particular project, submit a copy of the original invoice, documentation of the calculations for supplies/commodities to be used on the project, and an Attachment A. Indicate on the Attachment A:
 - c. This supply/commodity is in the prime's inventory or pre-paid in case of commodities
 - d. The full value of the original invoice submitted to the DBE Office, above in (1)
 - e. The amount of material or product used on this project
 - f. Fuel estimate listed on Attachment A will be recorded as a deduction from the full fuel purchase amount shown on the invoice
 - ii. DBE Office Process (Applies only to bulk purchases)
 - a. Supply/Commodity commitment is received
 - b. Engineer verifies amount listed on invoice and enters the full amount into spreadsheet
 - c. The amount of credit applied for each project is updated on the spreadsheet until the bulk purchase is exhausted
 - d. Engineer informs contractor when full amount of bulk purchase has been applied

c. Brokers, Transaction Expeditors, Packagers, Manufacturers' Representatives

- (1) No portion of the cost of the materials, supplies, services themselves will count for DBE credit. However, WisDOT will evaluate the fees or commissions charged when a prime purchases materials, supplies, or services from a DBE certified firm which is neither a manufacturer nor a regular dealer, namely: brokers, packagers, manufacturers' representatives, or other persons who arrange or expedite transactions.
- (2) Brokerage fees are calculated as **10%** of the purchase amount.
- (3) WisDOT may count the amount of fees or commissions charged for assistance in the procurement of the materials and supplies, fees, or transportation charges for the delivery of materials or supplies required on a job site.
- (4) Evaluation of DBE credit includes review of the contract need for the item/service, the sub-contract or invoice for the item/service, and a comparison of the fees customarily allowed for similar services to determine whether they are reasonable.

9. DBE Commitment Modification Policy (Formerly "DBE Replacement Policy")

a. Issuing a Contract Change Order

Any changes or modifications to the contract once executed are considered contract modifications and as such require a change order. In addition, the DBE office must provide consent for reduction, termination, or replacement of subcontractors approved on the DBE Commitment *in advance* of the modification for the prime contractor to receive payment for work or supplies. Additions to the DBE Commitment do not require advance notification of the DBE office. (see below e. DBE Utilization beyond the approved DBE Commitment)

b. Contractor Considerations

- (1) A prime contractor cannot modify the DBE Commitment through reduction in participation, termination, or replacement of a DBE subcontractor listed on the approved DBE Commitment without prior written consent from the DBE Office. This includes, but is not limited to, instances in which a prime contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm.
- (2) If a prime contractor reduces participation, replaces, or terminates a DBE subcontractor who has been approved for DBE credit toward its contract, the prime is required to provide documentation supporting its inability to fulfill the contractual commitment made to the Department regarding the DBE utilization.
- (3) The Prime Contractor is required to demonstrate efforts to find another DBE subcontractor to perform at least the same amount of work under the contract as the DBE subcontractor that was terminated, to the extent needed to meet the assigned DBE contract goal. When additional opportunity is available by contract modifications, the Prime Contractor must utilize DBE subcontractors that were committed to equal work items, in the original contract.
- (4) In circumstances when a DBE subcontractor fails to complete its work on the contract for any reason, or is terminated from a contract, the Prime Contractor must undertake efforts to maintain its commitment to the assigned DBE goal.
- (5) The DBE subcontractor should communicate with the Prime Contractor regarding its schedule and capacity in the context of the contract. If the DBE firm anticipates that it cannot fulfill its subcontract, they will advise the Prime Contractor and suggest a DBE subcontractor that may replace their services and provide written consent to be released from its subcontract.
 - i. Before the Prime Contractor can request modification to the approved DBE Commitment, the Prime Contractor must:
 - a. Make every effort to fulfill the DBE Commitment by working with the listed DBE subcontractor to ensure that the firm is fully knowledgeable of the Prime Contractor's expectations for successful performance on the contract. Document these efforts in writing.

- b. If those efforts fail, provide written notice to the DBE subcontractor of the Prime Contractor's intent to request to modify the Commitment through reduction in participation, termination, and/or replacement of the subcontractor including the reason(s) for pursuing this action.
- c. Copy the DBE Office on all correspondence related to changing a DBE subcontractor who has been approved for DBE credit on a contract, including preparation and coordination efforts.
- d. Clearly state the amount of time the DBE firm has to remedy and/or respond to the notice of intent to replace/terminate. The DBE must be allowed five days from the date notice was received as indicated by email time stamp or signed certified mail, to respond, in writing. EXCEPTION: The Prime Contractor must provide a verifiable reason for a response period shorter than five days. For example, a WisDOT project engineer or project manager confirms that WisDOT has eliminated an item the DBE subcontractor was contracted for.
- e. The DBE subcontractor must acknowledge the contract modification with written response to the Prime Contractor and the DBE Office. If objecting to the subcontract modification, the DBE subcontractor must outline the basis for objection to the proposed modification, providing sound reasoning for WisDOT to reject the prime's request.

c. Request to Modify DBE Subcontracting Commitment

The written request referenced above may be delivered by email or fax. The request must contain the following:

- (1) Project ID number
- (2) WisDOT Contract Project Engineer's name and contact information
- (3) DBE subcontractor name and work type and/or NAICS code
- (4) Contract's progress schedule
- (5) Reason(s) for requesting that the DBE subcontractor be replaced or terminated
- (6) Attach/include all communication with the DBE subcontractor to deploy/address/resolve work completion

Naming conventions: When emailing files, please use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, MODIFICATION" Email: DBE_Alert@dot.wi.gov + Project Engineer

WisDOT will review the request and any supporting documentation submitted to evaluate if the circumstance and the reasons constitute good cause for replacing or terminating the approved DBE subcontractor.

Good Causes to Replace a DBE subcontractor according to the federal DBE program guidelines {49 CFR part 26.53}

- The listed DBE subcontractor fails or refuses to execute a written contract
- The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor
- The listed DBE subcontractor fails or refuses to meet the prime contractor's reasonable, nondiscriminatory bond requirements
- The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness
- The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215, and 1,200 or applicable state law
- The prime has determined that the listed DBE subcontractor is not a responsible contractor
- The listed DBE subcontractor voluntarily withdraws from the project and provides written notice of its withdrawal
- The listed DBE subcontractor is ineligible to receive DBE credit for the type of work required

- A DBE firm owner dies or becomes disabled with the result that the listed DBE subcontractor is unable to complete its work on the contract.

d. Evaluation and Response to the Request

WisDOT's timely response to the Prime Contractor's request for modification of the approved DBE Commitment will be provided to the prime and the WisDOT project engineer via email.

If WisDOT determines that the Prime Contractor's basis for reduction in participation, replacement, or termination of the DBE subcontractor is not consistent with the good cause guidelines, the DBE office will provide a response via email within 48-hours of receipt of request from the Prime Contractor as indicated by email time stamp. The communication will include: the requirement to utilize the committed DBE, actions to support the completion of the contractual commitment, a list of available WisDOT support services, and administrative remedies, including withholding payment to the prime, that may be invoked for failure to comply with federal DBE guidelines for DBE replacement.

The WisDOT contact for all actions related to modification of the approved DBE Commitment is the DBE Program Engineer who can be reached at DBE_Alert@dot.wi.gov or (414) 335-0413.

e. DBE Utilization beyond the approved DBE Commitment

When the prime or a subcontractor increases the scope of work for an approved DBE subcontractor or adds a DBE subcontractor who was not on the approved form DT1506 or DBE Commitment submitted with bid at any time after contract execution, this is referred to as voluntary DBE contract goal achievement. The contractor must follow these steps to ensure that the participation is accurately credited toward the DBE goal:

- (1) Forward a complete, signed Attachment A form to the DBE Office. A complete Attachment A includes DBE subcontractor contact information, signatures, subcontract value, and description of the work areas to be performed by the DBE. The DBE Office will verify the DBE participation and revise the DBE Commitment based on the email/discussion and the new Attachment A.
- (2) When adding to an existing DBE Commitment, submit a new Attachment A to the DBE Alert mailbox
- (3) OR Submit a final Attachment A to DBE Alert during the Finals Process when Compliance receives notice of "Substantially Complete"

Naming conventions: When emailing files, please use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, New Attachment A" Email: DBE_Alert@dot.wi.gov

Special note on trucking

- DBE truckers added to the sublets in CRCS *will* be approved without DBE credit (You will see a "N" in CRCS instead of "Y")
- Prime Contractors may enter a "place holder" e.g. \$1000.00, for DBE Trucking in CRCS if the full amount of trucking is unknown for sublet purposes only
- The hiring contractor may obtain the Attachment A with DBE signature included but the **Prime Contractor** must sign the Attachment A before submitting
- DBE truckers need to be added to the DBE commitment once. If the DBE trucker is on the initial commitment (DT1506/E1506) there is no requirement to submit another Attachment A for that trucker for that contract.

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.
- d. Offsite Hauling – when DBE truck will haul between a pit and plant or location other than the construction site associated with the commitment
 - (1) Indicate Offsite Hauling on Attachment A
 - (2) Discuss offsite hauling at weekly progress meetings with Project Engineer (PE)
 - (3) PE conducts spot checks of pits/plants to verify DBE truck is hauling and/or verifying hauling log
 - (4) Prime should be prepared to submit haul tickets, plant/pit tickets, timecards, and other pertinent documentation if requested by PE or DBE Office

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

A joint venture is an association of a DBE firm and one or more other firms to carry out a single, for-profit business enterprise, for which the parties combine their property, capital, efforts, skills and knowledge, and in which the DBE is responsible for a distinct, clearly defined portion of the work of the contract and whose share in the capital contribution, control, management, risks, and profits of the joint venture are commensurate with its ownership interest. If a DBE performs as a participant in a joint venture, the Department will only credit 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.

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.
 - (1) DBE credit may only be awarded to a non-DBE mentor firm for using its own protégé firm for less than one half of its goal on any contract; and
 - (2) Not award DBE credit to a non-DBE mentor firm for using its own protégé firm for more than every other contract performed by the protégé firm.
- c. A DBE protégé firm may be eligible for conditional NAICS code extension for training with the mentor. Request permission from the DBE Office- Certification area.
- d. Refer to WisDOT's Mentor-Protégé guidelines for guidance on the number of contracts and amount of DBE credit allowed on WisDOT projects.

14. Use of Joint Checks

The use of joint checks is allowable if it is a commonly recognized business practice in the material industry. A joint check is defined as a two-party check between a DBE subcontractor, a prime contractor, and the regular dealer or materials supplier who is neither the prime nor an affiliate of the prime. Typically, the prime contractor issues one check as payor to the DBE subcontractor and to the supplier jointly (to guarantee payment to the supplier) as payment for the material/supplies used by the DBE firm in cases where the DBE subcontractor and materials have been approved for DBE credit. The DBE subcontractor gains the opportunity to establish a direct contracting relationship with the supplier to potentially facilitate a business rapport that results in a line of credit or increased partnering opportunities.

The cost of material and supplies purchased by the DBE firm is part of the value of work performed by the DBE to be counted toward the goal. To receive credit, the DBE firm must be responsible for negotiating price, determining quality and quantity, ordering the materials, and installing (where applicable) and "paying for the material itself." See 49 CFR 26.55(c)(1).

The approval to use joint checks constitutes a commitment to provide further information to WisDOT, upon request by staff. WisDOT will allow the use of joint checks when the following conditions are met:

- a. The Prime Contractor must request permission to use joint checks from the DBE Office by submitting the Application to Use Joint Checks.
 - (1) Request should be made when the DBE Commitment or the Request to Sublet is submitted; the request will not be considered if submitted after the DBE Subcontractor starts its work.
 - (2) Approval/Permission must be granted prior to the issuance of any joint checks.
 - (3) The payment schedule for the supplier must be presented to the DBE office before the first check is issued.
 - (4) The joint check for supplies must be strictly for the cost of approved supplies.
- b. The DBE subcontractor is responsible for furnishing and/or installing the material/work item and is not an 'extra participant' in the transaction. The DBE firm's role in the transaction cannot be limited solely to signing the check(s) to release payment to the material supplier. At a minimum, the DBE subcontractor's tasks should include the following:
 - (1) The DBE subcontractor (not the prime/payor) negotiates the quantities, price, and delivery of materials.
 - (2) The DBE subcontractor consents to sign/release the check to the supplier by signing the [Application to Use Joint Checks](#) after establishing the conditions and documentation of payment within the subcontract terms or in a separate written document.
- c. The Prime contractor/payor acts solely as a guarantor.
 - (1) The Prime Contractor agrees to furnish the check used for the payment of materials/supplies under the contract.
 - (2) The prime contractor/payor cannot require the subcontractor to use a specific supplier or the prime contractor's negotiated unit price.

15. Payment

Costs for conforming to this Additional Special Provision (ASP) and any associated DBE requirements are incidental to the contract.

Appendix A

Substantive Conversation Guidelines

The substantive conversation is critical to all bidders' demonstration of good faith effort to meet the DBE goal prior to bid opening. Relationship building between primes and subcontractors is crucial to DBE goal attainment. Responsible bidders seek to build rapport with potential DBE subcontractors to understand capacity, areas of expertise, and assess contracting feasibility. Bidders who compete for WisDOT contracts are specialty contractors responding to a growing and changing contract environment. Just as these specialists are responsible for care of the roads, they are likewise responsible for contributing to the health of the industry. The substantive conversation drives collaboration that will build industry health and capacity. The following is intended to provide guidance for such discussions but is not an exhaustive list. Contractors are encouraged to incorporate their existing strategies for cultivating business relationships as well.

Prior to Bid Opening- this discussion should happen as early as possible (WisDOT advertisements are released weeks prior to each Let)

1. Determine DBE subcontractor's interest in quoting
2. 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.
3. Assess their interest and experience in the road construction industry by asking questions such as:
 - Have you competed for other WisDOT contracts? Ratio of competed/to wins
 - Have you performed on any transportation industry contracts (locally or with other states)?
 - What the largest contract you've completed?
 - Have you worked in the industry: apprentice, journeyman, safety, inspection etc.?
 - Does this project fit into your schedule? Are you working on any contracts now?
 - Have you reviewed a copy of the plans? Are you comfortable performing within the scope and quantity considerations of this contract?
 - What region do you work in? Home base?
 - Which line items are you considering?
 - Have you read/are you familiar with WisDOT Standard Specifications? Construction Material Manual?
 - 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 formatting requirement)

DBE Solicitation - [Month] [Day], [Year] WisDOT Bid Letting

Attention all DBEs. [Prime Contractor] is actively seeking your quote for the [Month][Day], [Year] Bid Letting. [Prime Contractor] is considering bidding on the projects listed on page 2 as a prime contractor. Please see page 2 for instructions and the sub-contractable opportunities for each proposal.

Does [Prime Contractor] accept quotes in areas we might self-perform? Yes, we do! We support this federal rule and (if needed) we consider areas we might self-perform an opportunity to provide in the field assistance and training if we award your quote.

Where can DBEs find the plans, specifications & addenda? Please visit [Prime Contractor's] plan room [LINK] or on WisDOT's Highway Construction Contract Information HCCI website: [Wisconsin Department of Transportation Highway Construction Contract Information \(wisconsindot.gov\)](http://Wisconsin Department of Transportation Highway Construction Contract Information (wisconsindot.gov)). This same website can be checked for the contract status.

What should your quote include? All the costs required to complete the items you propose to perform including labor, equipment, material, and related bonding or insurance. The quote should also note items that you are DBE certified to perform, tied items, and any special terms. Please use page 2 as your cover sheet for your quote.

Do you have a question regarding bonding, credit, insurance, equipment, or supplies/materials? We welcome all DBE questions! Please call [Prime Contractor] and ask to speak with [Contact]. [Prime Contractor] can provide basic information as well as a referral to a trusted industry partner for insurance and bonding needs.

When are quotes due?

[Month] [Day], [Year] at [Time]. We accept quotes via SBN, email, or fax. Please make every effort to have your quotes in by this time or earlier. Quality check your quote so it includes the correct letting date, project ID, proposal number, unit price and extension.

Who can DBEs contact for questions, information, clarification or for a quote evaluation? [Project Manager Name] [Phone] [Email]. If you are quoting [Prime Contractor] for the first time, we encourage you to come meet with us in person to discuss the project. Our office hours are 7:30 a.m. – 5:00 p.m. On bid day, we are in the office by 6:30 a.m.

Why partner with [Prime Contractor]?

DBE partnership is a core part of [Prime Contractor's] mission. Including DBEs at the beginning of each project is essential in the success of each project. We consider DBEs to be important industry partners who bring dedication and knowledge at various stages during construction. We are proud to be an industry leader with our DBE partnership. Your success as a DBE is our success.

Sample Contractor Solicitation Letter Page 2
(This sample is provided as a guide, not a formatting requirement)
 REQUEST FOR QUOTE

[Prime Contractor]
Letting Date: [Month] [Day], [Year]
Project IDs: 1234-56-00 (Proposal #1) & 1234-01-78 (Proposal #6)

Please check all that apply:

- Yes, we will be quoting the projects & 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 Contact: _____ DBE: _____
 Phone: _____ Fax: _____
 Email: _____

Please circle the proposals and items you will be quoting below and contact us with any questions

Proposal County	1 Dane County	6 Crawford County
Clearing & Grubbing	X	X
Dump Truck Hauling	X	X
Curb/Gutter/Sidewalk	X	
Erosion Control Items		X
Excavation	X	X
Pavement Marking		X
Traffic Control	X	
Sawing	X	X
QMP, Base		X
Pipe Underdrain	X	
Landscape		X
Beam Guard	X	
Electrical	X	
Signs/Posts/Markers		X
Survey/Staking		X

Again, please make every effort to have your quotes into our office by time deadline prior to the letting date.

Sample Contractor Solicitation Email - Simplified
(This sample is provided as a guide, not a formatting requirement)

ATTENTION DBEs

- **[Prime Contractor] specializes in municipal projects in the XX Region(s)**
- **We have successfully competed for and completed XX WisDOT projects over the past XX years**
- **Consider [Prime Contractor] your partner on WisDOT Projects**

[Prime Contractor] is seeking your subcontractor quote for the XX/XX/20XX WisDOT bid letting on the below projects:

Project	Proposal	County	Region
1234-56-00	2	Dane	SW
1234-01-78	6	Crawford	SW

- Please review the attachments **[attach Solicitation Letter]** and respond with your intent to quote (or not) along with the work items you are interested in performing and respond via fax or email by **date**. The quote should note items that you are DBE certified to perform, tied items, and any special terms. Please include labor, equipment, material, and related bonding or insurance.
- If you have any questions regarding bonding, credit, insurance, equipment and/or materials/supplies, please feel free to call [Prime Contractor] and ask for [Contact]. **(Include if your company is willing to answer these types of DBE questions)**
- Plans and Specifications can be found: **WisDOT HCCI Website: List webpage where plans are located**
- If you do choose to quote, please make every effort to have your quote into our office by **time and date**. Make sure the correct letting date, project number, unit price and extension are included in your quote.
- Should you have questions regarding the mentioned project, please call our office at (414) 555-5555 and we will direct you to the correct estimator/project manager.
Our office hours are 7:30 a.m. - 5:00 p.m.

Thank you – we look forward to working with your company on this project!

Prime Contractor
 Project Manager
 Direct: 414-555-5555
 Cell: 414-555-5556

Sample Contractor Solicitation Email to **non-DBE** WisDOT Subcontractors - Simplified

(This sample is provided as a guide, not a formatting requirement)

ATTENTION WisDOT SUBCONTRACTORS

[Prime Contractor] is considering bidding on the below projects for the **XX/XX/20XX WisDOT Bid Letting**:

Project	Proposal	County	Region	DBE Goal
1234-56-00	2	Dodge	SW	6.00%
1234-01-78	11	Adams	NC	3.00%
1234-00-99	20	Buffalo	NW	5.00%
1234-00-98	33	Portage	NC	6.00%

The above projects have DBE goals and [Prime Contractor] is committed to DBE inclusion with every project. As such, we are requesting:

- All WisDOT Subcontractors to **solicit and utilize** DBEs in your quotes.
- DBE participation can be achieved through purchasing materials from DBE suppliers, using DBE subcontractors and/or DBE trucking firms or any combination of these.
- If there is an opportunity to untie an item in your quote so a DBE can be utilized, please look for those opportunities as well.
- Your quote will be evaluated based on the amount of DBE participation your company is able to provide when compared to other quotes for the same work.

If you do choose to quote, please make every effort to have your quote into our office by **time and date**. Please submit all quotes to [Email]. Make sure the correct letting date, project number, unit price and extension are included in your quote.

Should you have questions regarding the mentioned project, the Project Manager contact is: [Name] [Phone Number] [Email]

Thank you for utilizing DBEs who are trusted industry partners with WisDOT projects.

Prime Contractor
 Project Manager
 Direct: 414-555-5555
 Cell: 414-555-5556

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 help small businesses learn more about opportunities, compete more effectively, network with other contractors and subcontractors, and win more jobs. The DBE will provide free SBN accounts to DBEs when requested. Use DBE_Alert@dot.wi.gov to request an account. **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.

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 – Initial Review

DT1202	Examples	Rating	OBOEC Feedback
Solicitation Documentation	<p>Identify all reasonable and available activities performed to solicit the interest of all certified DBEs who have capacity and ability to perform work on the project.</p> <p><i>Such as: Updated solicitation letter and email, timely solicitation, and follow-up, and/or utilized various methods to communicate solicitation (ex: letter, email, publication, posting and/or website)</i></p>		
Selected Work Items Documentation	<p>All work items are broken out into economically feasible units to facilitate DBE participation.</p> <p><i>Such as: Selected work items are <u>specific</u> to each proposal and clearly identified in all solicitation(s)</i></p>		
Documentation of Project Information provided to Interested DBEs	<p>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.</p> <p><i>Such as: Project information is clearly identified in all solicitation(s)</i></p>		
Documentation of Negotiation with Interested DBEs	<p>Provide sufficient evidence demonstrating that good faith negotiations took place during the bid letting.</p> <p><i>Such as: Documented attempts with DBEs or on behalf of DBEs to increase DBE participation</i></p>		
Documentation of Sound Reason for Rejecting DBEs	<p>Provide sufficient evidence demonstrating that DBEs are rejected for sound reasons.</p> <p><i>Such as: Detailed and thoughtful analysis that considers both the percentage and dollar difference when rejecting a DBE including past performance, relevant business experience and stability, safety record, business ethic and integrity, technical capacity, and other tangible factors.</i></p>		
Documentation of Assistance to Interested DBEs- bonding, credit, insurance, equipment, supplies/materials	<p>Documented assistance in both solicitation(s) and outreach to DBEs.</p>		
Documentation of Outreach to Minority, Women, and Community organizations and other DBE Business Development Support	<p>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 participation in activities that support DBE business development.</p> <p><i>Such as: Variety of activities that translate into meaningful DBE participation</i></p>		
Documentation of other GFE activities	<p><i>Such as: Used DT1202 Excel Workbook, Diversity & Inclusion company policy, Mentor-Protégé participant, awarded neutral DBE after bid submission, included company GFE overview/strategy information and/or company website highlights DBE opportunities and participation</i></p>		
Overall Demonstration of GFE			

GFE EVALUATION RATING LEGEND – PHASE 1 – Initial Review

Documentation provided by bidder is evaluated and rated on the rubric. Bidders should include activities characterized by the following types of effort:

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

GFE EVALUATION – PHASE 2 – Team Review**GFE Team completes:**

- Review of activities included on the rubric
- Review of the intent to award and sound reasoning submitted by Prime
- Bid analysis to confirm if any bid submitted met the DBE goal
- Review average of other bidders DBE goal achievement
- Team review of combined efforts documented in Phase 1 and 2 constitute final GFE determination

Rating Scale:

- **GFE Approval:**
Bona Fide = 6 or more categories color coded green.
Genuine effort characterized by sincere and earnest activities – “Solicitation” and “Sound Reasoning” must be green
- **GFE Approval:**
Sufficient = 5 or more categories color coded green or yellow
Adequate effort documented with a variety of quality activities – “Solicitation” and “Sound Reasoning” must be green or yellow
- **GFE Denial:**
Pro Forma efforts = 4 or less categories color coded green or yellow. Perfunctory effort characterized by routine or superficial activities

Green = Exceeds expectations

Yellow = Meets expectations

Red = Areas in need of attention and/or absence of documentation

See OBOEC Rubric Analysis Feedback

Excerpt from Appendix A to 49 CFR Part 26:

V. In determining whether a bidder has made good faith efforts, it is essential to scrutinize its documented efforts. At a minimum, you must review the performance of other bidders in meeting the contract goal. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts. As provided in §26.53(b)(2)(vi), you must also require the contractor to submit copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract to review whether DBE prices were substantially higher; and contact the DBEs listed

GFE RUBRIC ANALYSIS	
OBOEC DECISION	APPROVAL OR DENIAL
Prime Contractor	
Proposal	
Project	
Bid Letting	
DBE Goal Amount	
DBE Goal Amount Achieved	
Bid Analysis	
Goal %	Achieved %
Apparent Low Bidder	%
Bidder B	
Bidder C	
Average of OTHER Bidders (Not including Apparent Low Bidder)	
DBE Quotes Received	
DBE Quotes Awarded	
DBE Quote(s) Rejected	Rejected Quote Analysis
DBE Quote(s) Awarded	Awarded DBE Amount

Appendix E

Good Faith Effort Best Practices

This list is not a set of requirements; it is a list of potential strategies

Primes

- Prime contractor open houses inviting DBE firms to see the bid “war room” or providing technical assistance.
- Participate in speed networking and mosaic exercises as arranged by DBE office.
- Host information sessions not directly associated with a bid letting.
- Participate in a formal mentor protégé or joint venture with a DBE firm.
- Participate in WisDOT advisory committees i.e. TRANSAC, or Mega Project committee meetings.
- Facilitate a small group DBE ‘training session’ clarifying how your firm prepares for bid letting, evaluates subcontractors, preferred qualifications, and communication methods.
- Encourage subcontractors to solicit and highlight DBE participation in their quotes to you.
- 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

- DBE firms should contact primes as soon as possible with questions regarding their quotes or bid; seven days prior is optimal.
- Continually check for contract addendums on the HCCI website through the Thursday prior to letting to stay abreast of changes.
- Review the status of contracts on the HCCI website reviewing the ‘apparent low bidder’ list and bid tabs at a minimum.
- 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.
- Participate in DBE office assessment programs.
- Participate on advisory and mega-project committees.
- Sign up to receive the DBE Contracting Update.
- Consider membership in relevant industry or contractor organizations.
- Active participation is a must. Quote as many projects as you can reasonably work on; quoting the primes and bidding as a prime with the Department are the only ways to get work.

Appendix F

Good Faith Effort Evaluation Guidance

Appendix A of 49 CFR Part 26

I. When, as a recipient, you establish a contract goal on a DOT-assisted contract for procuring construction, equipment, services, or any other purpose, a bidder must, in order to be responsible and/or responsive, make sufficient good faith efforts to meet the goal. The bidder can meet this requirement in either of two ways. First, the bidder can meet the goal, documenting commitments for participation by DBE firms sufficient for this purpose. Second, even if it doesn't meet the goal, the bidder can document adequate good faith efforts. This means that the bidder must show that it took all necessary and reasonable steps to achieve a DBE goal or other requirement of this part which, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not fully successful.

II. In any situation in which you have established a contract goal, Part 26 requires you to use the good faith efforts mechanism of this part. As a recipient, you have the responsibility to make a fair and reasonable judgment whether a bidder that did not meet the goal made adequate good faith efforts. It is important for you to consider the quality, quantity, and intensity of the different kinds of efforts that the bidder has made, based on the regulations and the guidance in this Appendix.

The efforts employed by the bidder should be those that one could reasonably expect a bidder to take if the bidder were actively and aggressively trying to obtain DBE participation sufficient to meet the DBE contract goal. Mere pro forma efforts are not good faith efforts to meet the DBE contract requirements. We emphasize, however, that your determination concerning the sufficiency of the firm's good faith efforts is a judgment call. Determinations should not be made using quantitative formulas.

III. The Department also strongly cautions you against requiring that a bidder meet a contract goal (i.e., obtain a specified amount of DBE participation) in order to be awarded a contract, even though the bidder makes an adequate good faith efforts showing. This rule specifically prohibits you from ignoring bona fide good faith efforts.

IV. The following is a list of types of actions which you should consider as part of the bidder's good faith efforts to obtain DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.

A. (1) Conducting market research to identify small business contractors and suppliers and soliciting through all reasonable and available means the interest of all certified DBEs that have the capability to perform the work of the contract. This may include attendance at pre-bid and business matchmaking meetings and events, advertising and/or written notices, posting of Notices of Sources Sought and/or Requests for Proposals, written notices or emails to all DBEs listed in the State's directory of transportation firms that specialize in the areas of work desired (as noted in the DBE directory) and which are located in the area or surrounding areas of the project.

(2) The bidder should solicit this interest as early in the acquisition process as practicable to allow the DBEs to respond to the solicitation and submit a timely offer for the subcontract. The bidder should determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.

B. Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units (for example, smaller tasks or quantities) to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces. This may include, where possible, establishing flexible timeframes for performance and delivery schedules in a manner that encourages and facilitates DBE participation.

C. Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation with their offer for the subcontract.

D. (1) Negotiating in good faith with interested DBEs. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional Agreements could not be reached for DBEs to perform the work.

(2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Prime contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.

E. (1) Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union status) are not legitimate causes for the rejection or non-solicitation of bids in the contractor's efforts to meet the project goal. Another practice considered an insufficient good faith effort is the rejection of the DBE because its quotation for the work was not the lowest received. However, nothing in this paragraph shall be construed to require the bidder or prime contractor to accept unreasonable quotes in order to satisfy contract goals.

(2) A prime contractor's inability to find a replacement DBE at the original price is not alone sufficient to support a finding that good faith efforts have been made to replace the original DBE. The fact that the contractor has the ability and/or desire to perform the contract work with its own forces does not relieve the contractor of the obligation to make good faith efforts to find a replacement DBE, and it is not a sound basis for rejecting a prospective replacement DBE's reasonable quote.

F. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or contractor.

G. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

H. Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, State, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.

V. In determining whether a bidder has made good faith efforts, it is essential to scrutinize its documented efforts. At a minimum, you must review the performance of other bidders in meeting the contract goal. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts. As provided in §26.53(b)(2)(vi), you must also require the contractor to submit copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract to review whether DBE prices were substantially higher; and contact the DBEs listed on a contractor's solicitation to inquire as to whether they were contacted by the prime. Pro forma mailings to DBEs requesting bids are not alone sufficient to satisfy good faith efforts under the rule.

VI. A promise to use DBEs after contract award is not considered to be responsive to the contract solicitation or to constitute good faith efforts.

[79 FR 59600, Oct. 2, 2014]

Appendix G

(SAMPLE) Forms DT1506 and DT1202

**COMMITMENT TO SUBCONTRACT TO DBE
ATTACHMENT A**

CONFIRMATION OF PARTICIPATION

Project I.D.:	Proposal Number:
Letting Date:	

Name of DBE Firm Participating in this Contract:	
Name of the Prime/Subcontractor who hired the DBE Firm: <i>(list all names of tiers if more than one)</i>	
Type of Work or Type of Material Supplied:	
Total Subcontract Value:	Total DBE Credit Value:

<p>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.</p>	Prime Contractor Representative's Signature
	Prime Contractor Representative's Name (Print Name)
	Prime Contractor (Print Company Name)
	Date

<p>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.</p> <p>FOR DBE TRUCKING FIRMS ONLY: I certify that I will utilize, for DBE credit, only trucks listed on my WisDOT approved Schedule of Owned/Leased Vehicles for DBE Credit form and I will be utilizing the number of trucks as listed below.</p>	Participating DBE Firm Representative's Signature	Date
	Participating DBE Firm Representative's Name (Print Name)	
	Participating DBE Firm (Print Company Name)	
	DBE Firm's Address:	

# Owned Trucks	# Leased Trucks	# DBE-Owned Leased Trucks	# Non-DBE-Owned Leased Trucks

Off site Hauling



DOCUMENTATION OF GOOD FAITH EFFORT
 Wisconsin Department of Transportation
 DT1202.....3/2020



Project ID *****	Proposal No. *****	Letting *****
Prime Contractor *****	County *****	
Person Submitting Document *****	Telephone Number *****	
Address *****	Email Address *****	

All bidders must undertake necessary and reasonable steps to achieve the assigned DBE contract goal per federal regulatory guidance at 49 CFR Part 26. Bidders use this form to document all efforts employed to meet the assigned goal as a record of contractor good faith efforts (GFE). Refer to ASP3 or 49 CFR Part 26 for guidance on actions that demonstrate good faith effort.

It is critical to list all efforts, attach documentation, and follow the instructions to complete this submission. Documentation of good faith effort includes copies of each DBE and non-DBE subcontractor quote submitted to the bidder for the same line items. Utilize the sample documentation logs to document and organize efforts.

Submit good faith effort documentation per ASP-3 guidelines.

Instructions: Provide a narrative description of all activities pursued to demonstrate good faith efforts, any corresponding documentation, and applicable explanation on separate pages. Include the following items, organized in the order listed below.

1. Solicitation Documentation:

- a. **Purpose:** To identify all reasonable and available activities the bidder performed to solicit the interest of all certified DBEs who have the capacity and ability to perform work on the project. All solicitation efforts should begin as early as possible to ensure DBEs have ample time to respond and ask questions.
- b. **Action:** Identify and list all activities engaged in to solicit DBEs using all reasonable and available means such as written notice and follow-up communications; substantive conversations; pre-bid meetings; networking events; market research; advertising.

2. Selected Work Items Documentation:

- a. **Purpose:** To ensure that all work items are broken out into economically feasible units to facilitate DBE participation. This must occur even when you prefer to perform the work yourself.
- b. **Action:** Identify economically feasible work units to be performed by DBEs to include activities such as: list of work items to be performed; breaking up of large work items into smaller tasks or quantities; flexible time frames for performance and delivery schedules.

3. Documentation of Project Information provided to Interested DBEs:

- a. **Purpose:** To provide interested DBEs with adequate information about the plans, specifications, and any other contractual requirements in a timely manner to assist DBEs in response to solicitation.
- b. **Action:** Provide DBEs access to plans, specifications, and other contract requirements. Early solicitation allows ample opportunity to provide project information, links to Let advertisements, and substantive engagement with DBEs.

4. → Documentation of Negotiation with Interested DBEs:

a. → Purpose: To ensure that negotiations with interested DBEs were made in good faith providing evidence as to why agreements could not be reached for DBEs to perform work.

b. → Action: Provide sufficient evidence to demonstrate that good faith negotiations took place. Merely sending out solicitations requesting bids from DBEs does not constitute sufficient good faith efforts. A bidder using good business judgment considers a number of factors in negotiating with all subcontractors, and the firm's price and capabilities in addition to contract goals are taken into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for failing to meet the DBE goal as long as costs are reasonable. (see 49 CFR Part 26 Appendix A)

5. → Documentation of Sound Reason for Rejecting DBEs:

a. → Purpose: To ensure that bidders avoid rejecting DBEs as unqualified without sound reasons. Reasons for rejection must be based on thorough investigation of DBE capabilities.

b. → Action: Provide sufficient evidence to demonstrate that DBE was rejected for sound reasons such as past performance, relevant business experience and stability, safety record, business ethic and integrity, technical capacity, other tangible factors.

6. → Documentation of Assistance to Interested DBEs - Bonding, Credit, Insurance, Equipment, Supplies/Materials:

a. → Purpose: To assist interested DBEs in obtaining bonds, lines of credit, insurance, equipment, supplies, materials, and other assistance or services.

b. → Action: Assist interested DBEs in obtaining bonding, lines of credit or insurance, and provide technical assistance or information related to plans, specifications, and project requirements. Assist DBEs in obtaining equipment, supplies, materials or other services related to meeting project requirements (excluding supplies or equipment the DBE purchases from the prime).

7. → Documentation of outreach to Minority, Women, and Community Organizations and other DBE Business Development Support:

a. → Purpose: To effectively use the services of minority, women, and community organizations as well as contractors' groups, local, state, and federal business assistance offices and organization that provide assistance in recruiting and supporting DBEs, as well as participation in activities that support DBE business development.

b. → Action: Contact organizations and agencies for assistance in contacting, recruiting, and providing support to DBE subcontractors, suppliers, manufacturers, and truckers at least 14 days before bid opening. Participate in or host activities such as networking events, mentor-protégé programs, small business development workshops, and others consistent with DBE support.

Return to:
Wisconsin Department of Transportation
DBE Program Office
PO Box 7965
Madison, WI 53707-7965
DBE_Alert@dot.wi.gov

I certify that I have utilized comprehensive good faith efforts to solicit and utilize DBE firms to meet the DBE participation requirements of this contract proposal, as demonstrated by my responses and as specified in Additional Special Provision 3 (ASP-3).

I certify that the information given in the Documentation of Good Faith Efforts is true and correct to the best of my knowledge and belief.

I further understand that any willful falsification, fraudulent statement, or misrepresentation will result in appropriate sanctions, which may involve debarment and/or prosecution under applicable state (Trans 504) and Federal laws.

		(Bidder/Authorized Representative Signature)

		(Print Name)

		(Title)

Good-Faith-Effort--Sample-Documentation-Logs

The sample logs below are provided as guides rather than exhaustive list. See ASP3, Appendix A for additional examples of demonstrable good faith efforts. Attach documentation for each activity listed.

Acceptable forms of documentation include copies of solicitations sent to DBEs, notes from substantive conversations and negotiations with DBEs, copies of advertisements placed, email communications, all quotes received from DBEs and from all subcontractors who were considered alongside DBE quotes, proof of attendance at applicable networking events; flyers for events or workshops for DBEs offered by the prime, and other physical records of good faith efforts activities.

SOLICITATION LOG

Date	Activity	Name of DBE Solicited	Follow-up
4/1/2020	Sent May-Let solicitation	Winterland Electric	Spoke with Mark Winterland on 4/15/20 to ask if he would quote.

SELECTED WORK ITEMS SOLICITED LOG

Work Type	DBE Firm	Contact Person	Date	Contact Mode
Pavement Marking	ABC Marking	Leslie Lynch	4/1/2020	Email; phone
	#1 Marking Co.	Mark Smart	4/1/2020	Email; left VM
Electrical	Winterland Electric	Tabitha Tinker	4/3/2020	Email; left VM
	Superstar Wiring	Jose Huascar	4/3/2020	Email; phone

INFORMATION PROVIDED LOG

Request Date	DBE Firm	Information Requested & Provided	Response Date
4/1/2020	Winterland Electric	Requested info on electrical requirements; provided plan and link to specs	4/3/2020
4/21/2020	Absolute Construction	Wanted to know how and when supplies are paid for by WisDOT; referred to spec that covers stockpiling	4/21/2020

NEGOTIATIONS LOG

Date	DBE Firm	Contact Name	Work Type	Quotes Rec'd?	Considered for project?	If not selected, why?
4/12/2020	ABC Landscape	John Dean	Erosion Control	Yes	No	Cannot perform all items
4/17/2020	Wild Ferns	Sandy Lynn	Erosion Control	Yes	Yes	
4/20/2020	#1 Marking	Mark Smart	Electrical	Yes	Yes	

ASSISTANCE LOG

Date	DBE Firm	Contact Person	Assistance Provided
4/1/2020	ABC Sawing	Jackie Swiggle	Informed DBE on how to obtain bonding
4/17/2020	Supreme Construction	Winston Walters	Provided contact for wholesale supply purchase

OUTREACH & BUSINESS DEVELOPMENT LOG

Date	Agency/Organization Contacted	Contact Person	Assistance Requested
4/1/2020	Women in Construction	LaTonya Klein	Contact information for woman-owned suppliers
4/28/2020	WBIC	Sam Smith	Asked for information to provide to DBE regarding financing programs through WBIC

Official Form DT1202 can be found here: <https://wisconsindot.gov/pages/global-footer/formdocs/default.aspx>

ADDITIONAL SPECIAL PROVISION 4

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

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

Acceptance and Final Payment

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

ADDITIONAL SPECIAL PROVISIONS 5 FUEL COST ADJUSTMENT

A Description

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

B Categories of Work Items

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

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

C Fuel Index

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

The base Fuel Index (BFI) for this contract is \$2.55 per gallon.

D Computing the Fuel Cost Adjustment

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

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

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

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

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

E Payment

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

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

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

Make the following revisions to the standard specifications:

108 Prosecution and Progress

Add subsection 108.9.4.1 effective with the November 2023 letting:

108.9.4.1 Winter Suspension for Completion Date Contracts

- (1) The contractor may request a winter suspension for a completion date contract. If the department determines weather conditions do not allow for the completion of the remaining work, the department may approve the contractor's request and determine the start date of the winter suspension. The end date of the winter suspension is March 31 or a date mutually agreed upon by both parties. For multi-year contracts, the department will only consider winter suspension for the final year of the contract.
 - (2) During winter suspension, store all materials in a manner that does not obstruct vehicular and pedestrian traffic and protect the materials from damage. Install traffic control and other safety devices necessary to protect the traveling public and pedestrians. Provide suitable drainage and install temporary erosion control where necessary. If the winter suspension begins when liquidated damages are being assessed, or when the work has not progressed as scheduled and would not have been completed prior to the completion date, the cost of necessary pre-suspension work is incidental. If the winter suspension begins prior to the contract completion date, and the work has progressed as scheduled and would have been completed prior to the completion date, the cost of pre-suspension work will be paid as specified under 109.4.
 - (3) For a winter suspension that begins prior to the contract completion date and the work has progressed as scheduled and would have been completed prior to the completion date, the engineer will extend contract time to correspond with the end of the winter suspension and liquidated damages will not be assessed during the winter suspension.
 - (4) For a winter suspension that begins when liquidated damages are being assessed or when the work has not progressed as scheduled and would not have been completed prior to the completion date, the engineer will not extend contract time. Time will be suspended until the end of the winter suspension. Liquidated damages will not be assessed during the winter suspension and liquidated damages will resume at the end of the winter suspension.
-

108.10.2 Excusable, Non-Compensable Delays

108.10.2.1 General

Replace entire section with the following effective with the January 2024 letting:

- (1) Non-compensable delays, 108.10.2.1(3), are excusable delays not the contractor's or the department's fault. The engineer will not pay for the delay costs listed in 109.4.7 for non-compensable delays.
 - (2) For non-compensable delays under calendar day and completion date contracts, the engineer will extend contract time if the conditions specified in 108.10.1 are met. The department will relieve the contractor from associated liquidated damages, as specified in 108.11, if the engineer extends time under 108.10.1.
 - (3) The following are non-compensable delays:
 1. Delays due to earthquakes, other cataclysmic phenomena of nature the contractor cannot foresee and avoid, severe weather or job conditions caused by recent weather as specified in 108.10.2.2.
 2. Extraordinary delays in material deliveries the contractor or their suppliers cannot foresee and forestall resulting from strikes, lockouts, freight embargoes, industry-wide shortages, governmental acts, or sudden disasters.
 3. Delays due to acts of the government, a political subdivision other than the department, or the public enemy.
 4. Delays from fires or epidemics.
 5. Delays from strikes beyond the contractor's power to settle not caused by improper acts or omissions of the contractor, their subcontractors, or their suppliers.
 6. Altered quantities as specified in 109.3.
-

108.10.3 Excusable Compensable Delays

Replace entire section with the following effective with the January 2024 letting:

- (1) Compensable delays are excusable delays due to the department's actions or lack of actions. The engineer will grant a time extension for a compensable delay if the conditions specified in 108.10.1 are met.
- (2) The following are compensable delays:

1. A contract change for revised work as specified for extra work under 104.2.2.1, for a differing site condition under 104.2.2.2, or for significant changes in the character of the work under 104.2.2.4.
 2. A contract change for an engineer-ordered suspension under 104.2.2.3.
 3. The unexpected discovery of human remains, an archaeological find, or historical find consistent with 107.25.
 4. The unexpected discovery of a hazardous substance consistent with 107.24.
 5. The non-completion of work that utilities or other third parties perform, if that work is not completed as specified in the contract.
- (3) For a compensable delay or a time extension, the department will relieve the contractor from associated liquidated damages under 108.11, and will pay the contractor for delay costs determined as follows:
1. Adjust the contract price as specified in 109.4.2 through 109.4.5 for delays under item 1 of 108.10.3(2).
 2. Adjust the contract price as specified in 109.4.7 for delays under items 2 through 5 of 108.10.3(2).

310 Open Graded Base

310.2 Materials

Replace paragraph two with the following effective with the November 2023 letting:

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

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

AASHTO No. 67 ^[1]	
SEIVE	COARSE AGGREGATE (% PASSING by WEIGHT) AASHTO No. 67
2-inch	-
1 1/2-inch	-
1-inch	100
3/4-inch	90 – 100
1/2-inch	-
3/8-inch	20 – 55
No. 4	0 – 10
No. 8	0 – 5
No. 16	-
No. 30	-
No. 50	-
No. 100	-
No. 200	<=1.5

[1] Size according to AASHTO M43.

390 Base Patching

390.4 Measurement

Replace entire section with the following effective with the November 2023 letting:

- (1) The department will measure Removing Pavement for Base Patching by the cubic yard acceptably completed. Measure the depth from the bottom of the adjacent pavement to the top of the patch.
- (2) The department will measure Base Patching Asphaltic by the ton acceptably completed as specified for asphaltic pavement in 450.4.
- (3) The department will measure Base Patching Concrete HES and Base Patching Concrete SHES by the cubic yard acceptably completed. Measure the depth from the bottom of the adjacent pavement to the top of the patch.

390.5 Payment

Replace entire section with the following effective with the November 2023 letting:

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

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
390.0100	Removing Pavement for Base Patching	CY
390.0201	Base Patching Asphaltic	TON
390.0305	Base Patching Concrete HES	CY
390.0405	Base Patching Concrete SHES	CY

- (2) Payment for Removing Pavement for Base Patching is full compensation for removing old pavement; for preparing the foundation and bringing up to grade. If the engineer orders the contractor to excavate yielding or unstable subgrade materials and backfill with suitable materials, the department will pay for that work with contract bid items or as agreed upon using 109.4.
- (3) Payment for Base Patching Asphaltic is full compensation for providing and compacting asphaltic mixture including asphaltic binder.
- (4) Payment for Base Patching Concrete HES and Base Patching Concrete SHES is full compensation for providing, curing, and protecting concrete. Payment also includes providing tie bars and dowel bars in unhardened concrete and steel within the patch. For tie bars and dowel bars provided in concrete not placed under the contract, the department will pay separately under the Drilled Tie Bars and Drilled Dowel Bars bid items as specified in 416.5.
- (5) Payment for Base Patching SHES also includes providing test data to the engineer as specified in 416.2.4.
- (6) The department will pay for sawing existing concrete pavement for removal under the Sawing Concrete bid item as specified in 690.5.

460 Hot Mix Asphalt Pavement**460.2.8.2.1.3.1 Contracts with 5000 Tons of Mixture or Greater**

Replace paragraph four with the following effective with the November 2023 letting:

- (4) Use the test methods identified below, or other methods the engineer approves, to perform the following tests at the frequency indicated:

Blended aggregate gradations:

Drum plants:

- Field extraction by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to WTM D8159. Gradation of resulting aggregate sample determined according to WTM T30.
- Belt samples, optional for virgin mixtures, obtained from stopped belt or from the belt discharge using an engineer-approved sampling device and performed according to WTM T11 and T27.

Batch plants:

- Field extraction by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to WTM D8159. Gradation of resulting aggregate sample determined according to WTM T30.

Asphalt content (AC) in percent:

Determine AC using one of the following methods:

- AC by ignition oven according to WTM T308.
- AC by chemical extraction according to AASHTO T-164 method A or B.
- AC by automated extraction according to WTM D8159.
- If the department is using an ignition oven to determine AC, conform to WTP H003.
- If the department is not using an ignition oven to determine AC, ignition oven correction factor (IOCF) must still be reverified for any of the reasons listed in WTP H003 Table 2 and conform to WTP H-003 sections 3 through 6.
- Gradation of resulting aggregate sample determined according to WTM T30.

Bulk specific gravity of the compacted mixture:

According to WTM T166.

Theoretical maximum specific gravity:

According to WTM T209.

Air voids (Va) by calculation according to WTM T269.

VMA by calculation according to WTM R35.

460.2.8.3.1.4 Department Verification Testing Requirements

Replace paragraph three with the following effective with the November 2023 letting:

- (3) The department will perform testing conforming to the following standards:
 - Bulk specific gravity (G_{mb}) of the compacted mixture according to WTM T166.
 - Maximum specific gravity (G_{mm}) according to WTM T209.
 - Air voids (V_a) by calculation according to WTM T269.
 - VMA by calculation according to WTM R35.
 - Asphalt content by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B, or automated extraction according to WTM D8159. If using an ignition oven to determine AC, conform to WTP H-003.

503 Prestressed Concrete Members

503.2.2 Concrete

Replace paragraph five with the following effective with the November 2023 letting:

- (5) Furnish prestressed concrete members cast from air-entrained concrete, except I-type girders may use non-air-entrained concrete. Use type I, IL, IS, IP, IT, II, or III cement. The contractor may replace up to 30 percent of type I, IL, II, or III cement with an equal weight of fly ash, slag, or a combination of fly ash and slag. Ensure that fly ash conforms to 501.2.4.2.2 and slag conforms to 501.2.4.2.3. Use only one source and replacement rate for work under a single bid item. Use a department-approved air-entraining admixture conforming to 501.2.5.2 for air-entrained concrete. Use only coarse aggregate conforming to 310.2(2).

604 Slope Paving

604.2 Materials

Replace paragraph three with the following effective with the November 2023 letting:

- (3) Under the Slope Paving Crushed Aggregate bid item, furnish crushed stone or crushed gravel conforming to the gradation in Table 604-01, but with the additional requirements that at least 75 percent of the particles, by count, have at least one fractured face. Determine fracture according to WTM D5821.

TABLE 604-01 COARSE AGGREGATE (% passing by weight)

AASHTO No. 4^[1]	
SEIVE	COARSE AGGREGATE (% PASSING by WEIGHT) AASHTO No. 4
2-inch	100
1 1/2-inch	90 - 100
1-inch	20 - 55
3/4-inch	0 - 15
1/2-inch	-
3/8-inch	0 - 5
No. 4	-
No. 8	-
No. 16	-
No. 30	-
No. 50	-
No. 100	-
No. 200	≤1.5

^[1] Size according to AASHTO M43.

612 Underdrains

612.3.9 Trench Underdrains

Replace paragraph one with the following effective with the November 2023 letting:

- (1) Under the Underdrain Trench bid item, excavate and backfill underdrain trenches. Backfill with coarse aggregate gradation conforming to 604.2(3). Before backfilling place geotextile as the plans show.

614 Semi-rigid Barrier Systems and End Treatments

614.2.6 Sand Barrel Arrays

Replace paragraph one with the following effective with the November 2023 letting:

- (1) Furnish sand barrels from the APL. Use fine aggregate conforming to gradation shown in Table 614-2 mixed with sodium chloride conforming to AASHTO M143. Apply an object marker to front-most barrel in the array.

TABLE 614-2 FINE AGGREGATE GRADATION

SEIVE	FINE AGGREGATE (% PASSING by WEIGHT)
3/8-inch	100
No. 4	90 - 100
No. 8	-
No. 16	45 - 85
No. 30	-
No. 50	5 - 30
No. 100	0 - 10
No. 200	<=3.5

628 Erosion Control

628.2.13 Rock Bags

Replace paragraph two with the following effective with the November 2023 letting:

- (2) Fill the bags with a clean, sound, hard, durable, engineer-approved coarse aggregate conforming by visual inspection to the gradation specified for coarse aggregate gradation in 604.2(3).

639 Drilling Wells

639.2.1 General

Replace paragraph two with the following effective with the November 2023 letting:

- (2) For grout use fine aggregate conforming to 501.2.7.2; and gradation conforming to 614.2.6(1); and type I, IL, IS, IP, or IT cement.

652 Electrical Conduit

652.3.1.2 Installing Underground

Replace paragraph two with the following effective with the November 2023 letting:

- (2) Excavate trenches true to line and grade to provide the conduit uniform bearing throughout its length. Do not backfill the trench before inspecting the conduit. Carefully tamp the backfill in place as specified for placing backfill in layers in 651.3. Place at least 0.7 cubic feet of coarse aggregate gradation conforming to 604.2(3) directly under each drainage hole.

ERRATA

390.3.4 Special High Early Strength Concrete Patching

Correct errata link in paragraph (1) by changing from 416.3.8 to 416.3.7.

- (1) Construct as specified for special high early strength repairs under 416.3.7 except as follows:
 - The contractor may delay removal for up to 14 calendar days after cutting the existing pavement.
 - Open to traffic as specified for concrete base in 320.3.

ADDITIONAL SPECIAL PROVISION 7

A. Reporting 1st Tier and DBE Payments During Construction

1. Comply with reporting requirements specified in the department's Civil Rights Compliance, Contractor's User Manual, Sublets and Payments.
2. Report payments to all DBE firms within 10 calendar days of receipt of a progress payment by the department or a contractor for work performed, materials furnished, or materials stockpiled by a DBE firm. Report the payment as specified in A(1) for all work satisfactorily performed and for all materials furnished or stockpiled.
3. Report payments to all first tier subcontractor relationships within 10 calendar days of receipt of a progress payment by the department for work performed. Report the payment as specified in A(1) for all work satisfactorily performed.
4. All tiers shall report payments as necessary to comply with the DBE payment requirement as specified in A(2).
5. DBE firms must enter all payments to DBE and non-DBE firms regardless of tier.
6. Require all first tier relationships, DBE firms and all other tier relationships necessary to comply with the DBE payment requirement in receipt of a progress payment by contractor to acknowledge receipt of payment as specified in A(1), (2), (3) and (4).
7. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4), (5), and (6), and shall be binding on all first tier subcontractor relationships, all contractors and subcontractors utilizing DBE firms on the project, and all payments from DBE firms.

B. Costs for conforming to this special provision are incidental to the contract.

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

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

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

ADDITIONAL SPECIAL PROVISION 9

Electronic Certified Payroll or Labor Data Submittal

- (1) Use the department's Civil Rights Compliance System (CRCS) 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. Non-segregated 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. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
- XI. Certification Regarding Use of Contract Funds for Lobbying
- XII. Use of United States-Flag Vessels:

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, United States Code, as required in 23 CFR 633.102(b) (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). 23 CFR 633.102(e).

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. 23 CFR 633.102(e).

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) in accordance with 23 CFR 633.102. 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 solicitation-for-bids or request-for-proposals 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). 23 CFR 633.102(b).

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. 23 CFR 633.102(d).

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. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A 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 Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), 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 Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), 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 Part 230, Subpart A, 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 (see 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 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 Part 35 and 29 CFR Part 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. 23 CFR 230.409 (g)(4) & (5).

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, sexual orientation, gender identity, 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 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 or other knowledgeable company official.

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, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure 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. 23 CFR 230.409. 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, sexual orientation, gender identity, 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, sexual orientation, gender identity, 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 thereunder. 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, sexual orientation, gender identity, 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, 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. Assurances Required:

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient 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 recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; and/or
- (4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

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 more than \$10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, 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, sexual orientation, gender identity, 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), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway

Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

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 (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), 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 basic hourly 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. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act ([40 U.S.C. 3141\(2\)\(B\)](#)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. 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 must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. 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 classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH-1321) must 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. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in [29 CFR part 1](#), a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must 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 be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate 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 used 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) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) 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 will be sent by the contracting officer by email to DBAconformance@dol.gov. 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.

(4) 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 will, by email to DBAconformance@dol.gov, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The 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.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division

under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must 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.

d. *Fringe benefits not expressed as an hourly rate.* 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 may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* 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, in accordance with the criteria set forth in § 5.28, 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.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and 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.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph

2.a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its procurement costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901–3907](#).

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements (1) Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; 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 [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section 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 [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act, the contractor must 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.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements (1) Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting

agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (e.g., the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH-347 or in any other format desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division website at <https://www.dol.gov/sites/dolgov/files/WHD/legacy/files/wh347.pdf> or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working 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 [29 CFR part 3](#); and

(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(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH-347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature*. The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification*. The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under [18 U.S.C. 1001](#) and [31 U.S.C. 3729](#).

(7) *Length of certified payroll retention*. The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents*. The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers*. The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements*. If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, 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, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under [29 CFR part 6](#) any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures*. Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address

of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices* (1) *Rate of pay*. Apprentices will be permitted to work at less than the predetermined rate for the work they perform 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 (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits*. Apprentices must 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, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio*. The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must 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 this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates*. Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity*. The use of apprentices and journeyworkers under this part must be in conformity with

the equal employment opportunity requirements of Executive Order 11246, as amended, and [29 CFR part 30](#).

c. 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. 23 CFR 230.111(e)(2). 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 journeyworkers 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 as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 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 as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, 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 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 [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, [18 U.S.C. 1001](#).

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#); or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#).

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), 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 watchpersons 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. 29 CFR 5.5.

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 and interest from the date of the underpayment. 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 watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* 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.

* \$31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, 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 that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its procurement costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901](#)–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the

event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

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" in paragraph 1 of Section VI 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: (based on longstanding interpretation)

- (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. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), 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. Pursuant to 23 CFR 635.116(c), 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. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

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 Part 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. 23 CFR 635.108.

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 Part 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). 29 CFR 1926.10.

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 Part 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 11, 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 (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of \$150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

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. 2 CFR 180.220 and 1200.220.

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. 2 CFR 180.320.
- 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. 2 CFR 180.325.
- 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. 2 CFR 180.345 and 180.350.

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, Subpart I, 180.900-180.1020, and 1200. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient 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 recipient or subrecipient 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. 2 CFR 180.330.

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. 2 CFR 180.220 and 180.300.

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. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. 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 System for Award Management website (<https://www.sam.gov/>). 2 CFR 180.300, 180.320, and 180.325.

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 CFR 180.325.

* * * * *

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 CFR 180.335;

(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, 2 CFR 180.800;

(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, 2 CFR 180.700 and 180.800; 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. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

3. 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). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant 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. 2 CFR 180.365.

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, Subpart I, 180.900 – 180.1020, 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 recipient or subrecipient 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 recipient or subrecipient 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. 2 CFR 1200.220 and 1200.332.

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. 2 CFR 180.220 and 1200.220.

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 System for Award Management website (<https://www.sam.gov/>), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

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. 2 CFR 180.325.

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should 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 Part 20, App. A.

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.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor 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. 46 CFR 381.7.

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 Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B)**

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).

**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.

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.

BUY AMERICA PROVISION

Buy America (as documented in [88 FR 57750 \(2 CFR part 184 and 200\)](#) from the Office of Management and Budget: [Federal Register: Guidance for Grants and Agreements](#)) shall be domestic products and permanently incorporated in this project as classified in the following three categories, and as noted in the Construction and Materials Manual (CMM):

1. Iron and Steel

All iron and steel manufacturing and coating processes (from the initial melting stage through the application of coatings) 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 the iron and steel manufacturing and coating processes Buy America 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.

2. Manufactured Product

All manufactured products (as defined in CMM 228.5) are covered under a previous waiver from 1983 and are currently exempt from Buy America.

3. Construction Material

All construction materials (as defined in [88 FR 57750 \(2 CFR part 184 and 200\)](#) and as referenced in CMM 228.5) must comply with Buy America. All manufacturing process of construction materials must occur in the United States.

[88 FR 55817 \(DOT-OST-2022-0124\)](#) allows a limited waiver of Buy America requirements for de minimis costs and small grants.

- The Total value of the non-compliant products is no more than the lesser of \$1,000,000 or 5% of total applicable costs for the project¹; or
- The total amount of Federal financial assistance applied to the project, through awards or subaward, is below \$500,000²

The contractor shall take actions and provide documentation conforming to CMM 228.5 to ensure compliance with this Buy America provision.

<https://wisconsin.gov/rdwy/cmm/cm-02-28.pdf>

Upon completion of the project, certify to the engineer, in writing using department form DT4567 that all iron and steel, manufactured products, and construction materials conform to this Buy America provision.

Form DT4567 is available at: <https://wisconsin.gov/Documents/formdocs/dt4567.docx>

Attach a list of iron or steel and construction material exemptions and their associated costs to the certification form.

¹ The de minimis public interest waiver does not apply to iron and steel subject to the requirements of 23 U.S.C. 313 on financial assistance administered by FHWA. The de minimis threshold in 23 CFR 635.410(b)(4) continues to apply for iron and steel.

² The small grant portion of the waiver does not apply to iron, steel, and manufactured goods subject to the requirements of 49 U.S.C. 22905(a).

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: WI20230010 12/22/2023

Superseded General Decision Number: WI20220010

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: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$16.20 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 2023.
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number Publication Date
 0 01/06/2023

1	01/13/2023
2	01/20/2023
3	03/31/2023
4	04/07/2023
5	05/26/2023
6	06/02/2023
7	06/16/2023
8	06/23/2023
9	07/07/2023
10	07/14/2023
11	07/28/2023
12	08/18/2023
13	09/01/2023
14	09/08/2023
15	10/13/2023
16	12/15/2023
17	12/22/2023

BRWI0001-002 06/01/2023

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.18	25.88

BRWI0002-002 06/01/2023

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 47.10	25.16

BRWI0002-005 06/01/2023

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...	\$ 39.97	25.02

BRWI0003-002 06/01/2023

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0004-002 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

Rates	Fringes
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BRICKLAYER.....\$ 44.50 26.96

BRWI0006-002 06/01/2023

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

Rates Fringes

BRICKLAYER.....\$ 40.08 25.98

BRWI0007-002 06/01/2023

GREEN, LAFAYETTE, AND ROCK COUNTIES

Rates Fringes

BRICKLAYER.....\$ 40.95 26.80

BRWI0008-002 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

BRICKLAYER.....\$ 44.96 25.67

BRWI0011-002 06/01/2023

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

Rates Fringes

BRICKLAYER.....\$ 40.00 26.06

BRWI0019-002 06/01/2023

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

Rates Fringes

BRICKLAYER.....\$ 39.32 26.74

BRWI0034-002 06/01/2023

COLUMBIA AND SAUK COUNTIES

Rates Fringes

BRICKLAYER.....\$ 41.56 26.19

CARP0068-011 05/02/2022

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.....\$ 41.19 27.05

CARP0264-003 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 41.91	29.72

CARP0310-002 06/05/2023		

Ashland, Bayfield, Forest, Iron, Langlade, Lincoln, Marathon, Oneida, Shawano, Taylor and Vilas

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0314-001 06/05/2023		

Columbia, Dane, Dodge, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk and Walworth

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0361-004 05/01/2018		

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

CARP0731-002 06/05/2023		

Calumet (Eastern portion of the County), Fond Du Lac, Manitowoc and Sheboygan

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0804-001 06/05/2023		

Adams, Juneau, Portage and Wood

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0955-002 06/05/2023		

Calumet (western portion of County), Fond Du Lac, Green Lake, Marquette, Outagamie and Winnebago

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

CARP1056-002 06/01/2023

	Rates	Fringes
MILLWRIGHT.....	\$ 40.00	27.77

CARP1074-002 06/05/2023

Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pepin,
Pierce, Polk, Rusk, Sawyer, St. Croix and Washburn

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

CARP1143-002 06/05/2023

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPLEAU AND
VERNON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

CARP1146-002 06/05/2023

Brown, Door, Florence, Kewaunee, Marinette, Menominee and
Shawano

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

CARP2337-009 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
PILEDRIVERMAN.....	\$ 39.22	34.01

ELEC0014-002 12/25/2022

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:.....	\$ 39.25	22.34

ELEC0014-007 05/29/2022

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician.....	\$ 29.63	3%+16.18

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 06/01/2023

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 46.05	30%+13.15

ELEC0158-002 05/30/2021

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.....	\$ 36.14	29.75%+10.26

ELEC0159-003 05/30/2021

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.....	\$ 43.38	23.13

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 05/30/2021

DOUGLAS COUNTY

	Rates	Fringes
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Electricians:.....	\$ 41.37	69.25%
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ELEC0388-002 06/01/2023

ADAMS, CLARK (Colby, Fremont, 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
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Electricians:.....	\$ 38.74	26%+11.76
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ELEC0430-002 06/01/2023

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
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Electricians:.....	\$ 46.70	25.02
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* ELEC0494-005 05/28/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
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Electricians:.....	\$ 47.75	26.72
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ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
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Electricians:.....	\$ 37.91	22.74
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* ELEC0494-013 05/28/2023

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
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Sound & Communications		
Installer.....	\$ 34.65	18.36
Technician.....	\$ 34.65	18.36

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 06/01/2022

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:.....	\$ 37.41	29.50%+10.00

 ELEC0890-003 06/01/2022

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.70	25.95%+11.26

 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 06/01/2023

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 43.77	27.40
Group 2.....	\$ 43.27	27.40
Group 3.....	\$ 42.77	27.40
Group 4.....	\$ 42.51	27.40

Group 5.....	\$ 42.22	27.40
Group 6.....	\$ 36.32	27.40

HAZARDOUS WASTE PREMIUMS:

EPA Level ""A"" protection - \$3.00 per hour
 EPA Level ""B"" protection - \$2.00 per hour
 EPA Level ""C"" protection - \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs; pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender, day light machine

GROUP 6: Off-road material hauler with or without ejector.

IRON0008-002 06/01/2023

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC,
MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO
COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 43.40	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),
WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 41.73	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2023

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.....	\$ 41.00	30.13

IRON0498-005 06/01/2023

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and
WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 45.18	47.08

IRON0512-008 04/30/2023

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU
COUNTIES

	Rates	Fringes
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IRONWORKER.....\$ 43.00 34.11

IRON0512-021 04/30/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

Rates Fringes

IRONWORKER.....\$ 39.14 34.00

LAB00113-002 06/01/2023

MILWAUKEE AND WAUKESHA COUNTIES

Rates Fringes

LABORER

Group 1.....	\$ 33.56	23.86
Group 2.....	\$ 33.71	23.86
Group 3.....	\$ 33.91	23.86
Group 4.....	\$ 34.06	23.86
Group 5.....	\$ 34.21	23.86
Group 6.....	\$ 30.05	23.86

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 06/01/2023

OZAUKEE AND WASHINGTON COUNTIES

Rates Fringes

LABORER

Group 1.....	\$ 32.81	23.86
Group 2.....	\$ 32.91	23.86
Group 3.....	\$ 32.96	23.86
Group 4.....	\$ 33.16	23.86
Group 5.....	\$ 33.01	23.86
Group 6.....	\$ 29.90	23.86

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 06/01/2023

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.62	23.86
Group 2.....	\$ 32.77	23.86
Group 3.....	\$ 32.97	23.86
Group 4.....	\$ 32.94	23.86
Group 5.....	\$ 33.27	23.86
Group 6.....	\$ 29.76	23.86

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 06/01/2023

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.....	\$ 37.57	19.25
Group 2.....	\$ 37.67	19.25
Group 3.....	\$ 37.72	19.25
Group 4.....	\$ 37.92	19.25
Group 5.....	\$ 37.77	19.25
Group 6.....	\$ 34.20	19.25

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 06/01/2023

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 37.85	19.25
Group 2.....	\$ 37.95	19.25
Group 3.....	\$ 38.00	19.25
Group 4.....	\$ 38.20	19.25
Group 5.....	\$ 38.05	19.25
Group 6.....	\$ 34.20	19.25

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 05/01/2023

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 34.59	24.84
Spray, Sandblast, Steel....	\$ 35.19	24.84
Repaint:		
Brush, Roller.....	\$ 33.09	24.84
Spray, Sandblast, Steel....	\$ 33.69	24.84

PAIN0108-002 06/01/2023

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 41.04	21.95
Spray & Sandblast.....	\$ 42.04	21.95

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 06/01/2023

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

Painters:

Bridge.....	\$ 39.84	24.86
Brush.....	\$ 39.09	24.86
Spray & Sandblast.....	\$ 39.84	24.86

PAIN0802-002 06/01/2023

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,
ROCK, AND SAUK COUNTIES

Rates Fringes

PAINTER

Brush.....	\$ 35.00	20.62
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PREMIUM PAY:

Structural Steel, Spray, Bridges = \$1.00 additional per hour.

PAIN0802-003 06/01/2023

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.....	\$ 35.00	20.62
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PAIN0934-001 06/01/2022

KENOSHA AND WALWORTH COUNTIES

Rates Fringes

Painters:

Brush.....	\$ 36.70	24.69
Spray.....	\$ 37.70	24.69
Structural Steel.....	\$ 36.85	24.69

PAIN1011-002 06/06/2021

FLORENCE COUNTY

Rates Fringes

Painters:.....	\$ 26.71	14.38
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PLAS0599-002 06/01/2023

Rates Fringes

CEMENT MASON/CONCRETE FINISHER

Area A.....	\$ 45.17	27.27
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Area B.....	\$ 39.97	25.02
Area C.....	\$ 40.40	25.25
Area D.....	\$ 41.16	24.49
Area E.....	\$ 40.50	25.14
Area F.....	\$ 36.98	28.67

AREA DESCRIPTIONS

AREA A: ASHLAND, BURNETT, BAYFIELD, DOUGLAS, IRON, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA B: ADAMS, BARRON, BROWN, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, 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 C: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE, MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND VERNON COUNTIES

AREA D: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA E: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA F: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2023

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 35.57	26.09
3 or more Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....	\$ 35.72	26.09

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 <https://www.dol.gov/agencies/whd/government-contracts>.

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 National Office because National Office has 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: WI20230008 12/22/2023

Superseded General Decision Number: WI20220008

State: Wisconsin

Construction Types: Heavy (Sewer and Water Line and Tunnel)

Counties: Wisconsin Statewide.

TUNNEL, SEWER & WATER LINE CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$16.20 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 2023.
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/06/2023
1	01/13/2023

2	01/20/2023
3	03/31/2023
4	04/07/2023
5	06/09/2023
6	06/16/2023
7	06/23/2023
8	07/07/2023
9	07/14/2023
10	08/18/2023
11	09/01/2023
12	09/08/2023
13	10/13/2023
14	12/22/2023

BRWI0001-002 06/01/2023

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.18	25.88

BRWI0002-002 06/01/2023

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 47.10	25.16

BRWI0002-005 06/01/2023

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...	\$ 39.97	25.02

BRWI0003-002 06/01/2023

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0004-002 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 44.50	26.96

BRWI0006-002 06/01/2023

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.08	25.98

BRWI0007-002 06/01/2023		

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.95	26.80

BRWI0008-002 06/05/2023		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 44.96	25.67

BRWI0009-001 06/01/2023		

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0011-002 06/01/2023		

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0013-002 06/01/2023		

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 41.56	26.19

BRWI0019-002 06/01/2023		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.32	26.74

BRWI0021-002 06/01/2023		

DODGE AND JEFFERSON COUNTIES

Rates	Fringes
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BRICKLAYER.....	\$ 40.49	27.24
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BRWI0034-002 06/01/2023

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 41.56	26.19

CARP0068-011 05/02/2022

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.....	\$ 41.19	27.05

CARP0264-003 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 41.91	29.72

CARP0310-002 06/05/2023

Ashland, Bayfield, Forest, Iron, Langlade, Lincoln, Marathon, Oneida, Shawano, Taylor and Vilas

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0314-001 06/05/2023

Columbia, Dane, Dodge, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk and Walworth

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

CARP0731-002 06/05/2023

Calumet (Eastern portion of the County), Fond Du Lac, Manitowoc and Sheboygan

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0804-001 06/05/2023

Adams, Juneau, Portage and Wood

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0955-002 06/05/2023

Calumet (western portion of County), Fond Du Lac, Green Lake, Marquette, Outagamie and Winnebago

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

CARP1056-002 06/01/2023

	Rates	Fringes
MILLWRIGHT.....	\$ 40.00	27.77

CARP1074-002 06/05/2023

Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pepin, Pierce, Polk, Rusk, Sawyer, St. Croix and Washburn

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

CARP1143-002 06/05/2023

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPPEALEAU AND VERNON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

CARP1146-002 06/05/2023

Brown, Door, Florence, Kewaunee, Marinette, Menominee and Shawano

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

CARP2337-009 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
PILEDRIVERMAN.....	\$ 39.22	34.01

CARP2337-010 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
MILLWRIGHT.....	\$ 39.31	32.21

ELEC0014-002 12/25/2022

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:.....	\$ 39.25	22.34

ELEC0127-002 06/01/2023

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 46.05	30%+13.15

ELEC0158-002 05/30/2021

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.....	\$ 36.14	29.75%+10.26

ELEC0159-003 05/30/2021

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.....	\$ 43.38	23.13

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 05/30/2021

DOUGLAS COUNTY

Rates Fringes

Electricians:.....\$ 41.37 69.25%

ELEC0388-002 06/01/2023

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:.....\$ 38.74 26%+11.76

ELEC0430-002 06/01/2023

RACINE COUNTY (Except Burlington Township)

Rates Fringes

Electricians:.....\$ 46.70 25.02

* ELEC0494-005 05/28/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

Electricians:.....\$ 47.75 26.72

ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

Rates Fringes

Electricians:.....\$ 37.91 22.74

ELEC0577-003 06/01/2022

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:.....	\$ 37.41	29.50%+10.00

ELEC0890-003 06/01/2022		

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.70	25.95%+11.26

ENGI0139-003 06/05/2023		

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 47.53	25.89
Group 2.....	\$ 46.28	25.89
Group 3.....	\$ 43.23	25.89
Group 4.....	\$ 42.70	25.89
Group 5.....	\$ 40.63	25.89
Group 6.....	\$ 39.10	25.89

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 06/05/2023

DODGE, FOND DU LAC, JEFFERSON, KENOSHA, MILWAUKEE, OZAUKEE, RACINE, SHEBOYGAN, WALWORTH, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 44.54	25.35
Group 2.....	\$ 43.76	25.35
Group 3.....	\$ 42.81	25.35
Group 4.....	\$ 41.76	25.35
Group 5.....	\$ 40.36	25.35

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 (145 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).

IRON008-002 06/01/2023

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

Rates

Fringes

IRONWORKER.....\$ 43.40 30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

IRONWORKER.....\$ 41.73 30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2023

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.....\$ 41.00 30.13

IRON0498-005 06/01/2023

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and WALWORTH (S.W. 1/3) COUNTIES:

Rates Fringes

IRONWORKER.....\$ 45.18 47.08

IRON0512-008 04/30/2023

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU COUNTIES

Rates Fringes

IRONWORKER.....\$ 43.00 34.11

IRON0512-021 04/30/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

Rates Fringes

IRONWORKER.....\$ 39.14 34.00

LAB00113-004 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Open Cut)		
Group 1.....	\$ 18.72	22.75
Group 2.....	\$ 21.10	22.75
Group 3.....	\$ 24.81	22.75
Group 4.....	\$ 34.62	22.75
Group 5.....	\$ 34.78	22.75
Group 6.....	\$ 34.84	22.75
Group 7.....	\$ 38.88	22.75
Group 8.....	\$ 41.83	22.75
Group 9.....	\$ 42.50	22.75

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 06/05/2023

SEWER, TUNNEL & UNDERGROUND

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
Laborers:		
Group 1.....	\$ 25.71	22.75
Group 2.....	\$ 31.93	22.75
Group 3.....	\$ 36.33	22.75
Group 4.....	\$ 38.19	22.75

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 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel-Free Air)		
Group 1.....	\$ 24.81	22.75
Group 2.....	\$ 34.78	22.75
Group 3.....	\$ 34.84	22.75
Group 4.....	\$ 38.88	22.75
Group 5.....	\$ 39.02	22.75
Group 6.....	\$ 41.83	22.75
Group 7.....	\$ 42.50	22.75

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 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel -		
*COMPRESSED AIR 0 - 15 lbs.)		
Group 1.....	\$ 24.81	22.75
Group 2.....	\$ 34.78	22.75
Group 3.....	\$ 39.44	22.75
Group 4.....	\$ 40.28	22.75
Group 5.....	\$ 40.41	22.75
Group 6.....	\$ 43.24	22.75

Group 7.....\$ 43.89

22.75

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; Pielayer 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 06/05/2023

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, KEWAUNEE, 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, WALLWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER (SEWER & WATER)		
Group 1.....	\$ 33.88	19.25
Group 2.....	\$ 35.73	19.25
Group 3.....	\$ 35.93	19.25
Group 4.....	\$ 36.68	19.25

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 Luteaman; 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 06/05/2023

DANE AND DOUGLAS COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.78	19.25
Group 2.....	\$ 35.98	19.25
Group 3.....	\$ 36.18	19.25
Group 4.....	\$ 36.93	19.25

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 06/05/2023

BAYFIELD, BURNETT, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
Laborers: (SEWER & WATER)		
Group 1.....	\$ 33.57	19.25
Group 2.....	\$ 35.63	19.25
Group 3.....	\$ 35.83	19.25
Group 4.....	\$ 36.58	19.25

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

PLAS0599-002 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area A.....	\$ 45.17	27.27
Area B.....	\$ 39.97	25.02
Area C.....	\$ 40.40	25.25
Area D.....	\$ 41.16	24.49
Area E.....	\$ 40.50	25.14
Area F.....	\$ 36.98	28.67

AREA DESCRIPTIONS

AREA A: ASHLAND, BURNETT, BAYFIELD, DOUGLAS, IRON, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA B: ADAMS, BARRON, BROWN, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, 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 C: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE, MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND VERNON COUNTIES

AREA D: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA E: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA F: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2023

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 35.57	26.09
3 or more Axles; Euclids, Dumpton & Articulated, Truck Mechanic.....	\$ 35.72	26.09

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 <https://www.dol.gov/agencies/whd/government-contracts>.

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 National Office because National Office has 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

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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: 20240213031 Project(s): 6999-09-72

Federal ID(s): WISC 2024256

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	201.0205 Grubbing	33.000 STA	_____.	_____.
0004	203.0100 Removing Small Pipe Culverts	22.000 EACH	_____.	_____.
0006	203.0220 Removing Structure (structure) 01. C-37-90	1.000 EACH	_____.	_____.
0008	204.0100 Removing Concrete Pavement	17,105.000 SY	_____.	_____.
0010	204.0105 Removing Concrete Pavement Butt Joints	34.000 SY	_____.	_____.
0012	204.0109.S Removing Concrete Surface Partial Depth	11,900.000 SF	_____.	_____.
0014	204.0110 Removing Asphaltic Surface	5,510.000 SY	_____.	_____.
0016	204.0115 Removing Asphaltic Surface Butt Joints	70.000 SY	_____.	_____.
0018	204.0120 Removing Asphaltic Surface Milling	3,040.000 SY	_____.	_____.
0020	204.0150 Removing Curb & Gutter	1,060.000 LF	_____.	_____.
0022	204.0155 Removing Concrete Sidewalk	50.000 SY	_____.	_____.
0024	204.0165 Removing Guardrail	25.000 LF	_____.	_____.
0026	204.0170 Removing Fence	50.000 LF	_____.	_____.
0028	204.0195 Removing Concrete Bases	13.000 EACH	_____.	_____.
0030	204.0210 Removing Manholes	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20240213031 Project(s): 6999-09-72

Federal ID(s): WISC 2024256

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	204.0220 Removing Inlets	8.000 EACH	_____.	_____.
0034	204.0245 Removing Storm Sewer (size) 01. 12-Inch	128.000 LF	_____.	_____.
0036	204.0245 Removing Storm Sewer (size) 02. 18-Inch	298.000 LF	_____.	_____.
0038	204.0245 Removing Storm Sewer (size) 03. 24-Inch	156.000 LF	_____.	_____.
0040	204.0245 Removing Storm Sewer (size) 04. 27-Inch	64.000 LF	_____.	_____.
0042	204.0245 Removing Storm Sewer (size) 05. 14x23-Inch	125.000 LF	_____.	_____.
0044	204.0280 Sealing Pipes	1.000 EACH	_____.	_____.
0046	204.9060.S Removing (item description) 01. Removing Apron Endwalls	1.000 EACH	_____.	_____.
0048	204.9060.S Removing (item description) 02. Sanitary Manholes	8.000 EACH	_____.	_____.
0050	204.9090.S Removing (item description) 01. Sanitary Sewer 15-Inch	2,425.000 LF	_____.	_____.
0052	205.0100 Excavation Common	28,619.000 CY	_____.	_____.
0054	206.2001 Excavation for Structures Culverts (structure) 01. C-37-90	1.000 EACH	_____.	_____.
0056	208.0100 Borrow	5,955.000 CY	_____.	_____.
0058	209.1100 Backfill Granular Grade 1	2,839.000 CY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20240213031 Project(s): 6999-09-72

Federal ID(s): WISC 2024256

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	211.0101 Prepare Foundation for Asphaltic Paving (project) 01. 6999-09-72	1.000 EACH	_____.	_____.
0062	211.0400 Prepare Foundation for Asphaltic Shoulders	45.000 STA	_____.	_____.
0064	211.0500 Prepare Foundation for Base Aggregate	84.000 STA	_____.	_____.
0066	213.0100 Finishing Roadway (project) 01. 6999-09-72	1.000 EACH	_____.	_____.
0068	305.0110 Base Aggregate Dense 3/4-Inch	740.000 TON	_____.	_____.
0070	305.0120 Base Aggregate Dense 1 1/4-Inch	36,335.000 TON	_____.	_____.
0072	310.0110 Base Aggregate Open-Graded	300.000 TON	_____.	_____.
0074	415.0060 Concrete Pavement 6-Inch	175.000 SY	_____.	_____.
0076	450.4000 HMA Cold Weather Paving	3,432.000 TON	_____.	_____.
0078	455.0605 Tack Coat	1,770.000 GAL	_____.	_____.
0080	460.2000 Incentive Density HMA Pavement	6,920.000 DOL	1.00000	6,920.00
0082	460.5223 HMA Pavement 3 LT 58-28 S	5,950.000 TON	_____.	_____.
0084	460.5224 HMA Pavement 4 LT 58-28 S	4,850.000 TON	_____.	_____.
0086	465.0105 Asphaltic Surface	125.000 TON	_____.	_____.
0088	465.0110 Asphaltic Surface Patching	185.000 TON	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0090	465.0120 Asphaltic Surface Driveways and Field Entrances	590.000 TON	_____.	_____.
0092	465.0125 Asphaltic Surface Temporary	1,870.000 TON	_____.	_____.
0094	465.0310 Asphaltic Curb	770.000 LF	_____.	_____.
0096	465.0315 Asphaltic Flumes	24.000 SY	_____.	_____.
0098	520.2048 Culvert Pipe Temporary 48-Inch	180.000 LF	_____.	_____.
0100	520.8000 Concrete Collars for Pipe	6.000 EACH	_____.	_____.
0102	522.0412 Culvert Pipe Reinforced Concrete Class IV 12-Inch	64.000 LF	_____.	_____.
0104	522.0418 Culvert Pipe Reinforced Concrete Class IV 18-Inch	238.000 LF	_____.	_____.
0106	522.0424 Culvert Pipe Reinforced Concrete Class IV 24-Inch	152.000 LF	_____.	_____.
0108	522.0436 Culvert Pipe Reinforced Concrete Class IV 36-Inch	48.000 LF	_____.	_____.
0110	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	12.000 EACH	_____.	_____.
0112	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	13.000 EACH	_____.	_____.
0114	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	9.000 EACH	_____.	_____.
0116	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	3.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0118	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	3.000 EACH	_____.	_____.
0120	601.0407 Concrete Curb & Gutter 18-Inch Type D	130.000 LF	_____.	_____.
0122	601.0411 Concrete Curb & Gutter 30-Inch Type D	9,600.000 LF	_____.	_____.
0124	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	215.000 LF	_____.	_____.
0126	602.0415 Concrete Sidewalk 6-Inch	2,870.000 SF	_____.	_____.
0128	602.0515 Curb Ramp Detectable Warning Field Natural Patina	100.000 SF	_____.	_____.
0130	602.0615 Curb Ramp Detectable Warning Field Radial Natural Patina	222.000 SF	_____.	_____.
0132	602.0860 Concrete Driveway HES 6-Inch	565.000 SY	_____.	_____.
0134	602.0870 Concrete Driveway HES 8-Inch	220.000 SY	_____.	_____.
0136	603.8000 Concrete Barrier Temporary Precast Delivered	560.000 LF	_____.	_____.
0138	603.8125 Concrete Barrier Temporary Precast Installed	560.000 LF	_____.	_____.
0140	606.0200 Riprap Medium	140.000 CY	_____.	_____.
0142	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	470.000 LF	_____.	_____.
0144	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	85.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0146	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	776.000 LF	_____.	_____.
0148	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	151.000 LF	_____.	_____.
0150	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	1,161.000 LF	_____.	_____.
0152	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	362.000 LF	_____.	_____.
0154	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	602.000 LF	_____.	_____.
0156	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	1,420.000 LF	_____.	_____.
0158	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	759.000 LF	_____.	_____.
0160	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	561.000 LF	_____.	_____.
0162	611.0530 Manhole Covers Type J	18.000 EACH	_____.	_____.
0164	611.0624 Inlet Covers Type H	48.000 EACH	_____.	_____.
0166	611.0645 Inlet Covers Type MS-A	18.000 EACH	_____.	_____.
0168	611.1004 Catch Basins 4-FT Diameter	11.000 EACH	_____.	_____.
0170	611.1005 Catch Basins 5-FT Diameter	7.000 EACH	_____.	_____.
0172	611.1006 Catch Basins 6-FT Diameter	1.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0174	611.1230 Catch Basins 2x3-FT	33.000 EACH	_____.	_____.
0176	611.2004 Manholes 4-FT Diameter	4.000 EACH	_____.	_____.
0178	611.2005 Manholes 5-FT Diameter	11.000 EACH	_____.	_____.
0180	611.2006 Manholes 6-FT Diameter	2.000 EACH	_____.	_____.
0182	611.3901 Inlets Median 1 Grate	12.000 EACH	_____.	_____.
0184	611.3902 Inlets Median 2 Grate	3.000 EACH	_____.	_____.
0186	611.8110 Adjusting Manhole Covers	2.000 EACH	_____.	_____.
0188	611.8120.S Cover Plates Temporary	35.000 EACH	_____.	_____.
0190	611.9710 Salvaged Inlet Covers	1.000 EACH	_____.	_____.
0192	612.0106 Pipe Underdrain 6-Inch	1,520.000 LF	_____.	_____.
0194	612.0206 Pipe Underdrain Unperforated 6-Inch	90.000 LF	_____.	_____.
0196	612.0902.S Insulation Board Polystyrene (inch) 01.4-Inch	285.000 SY	_____.	_____.
0198	614.0905 Crash Cushions Temporary	4.000 EACH	_____.	_____.
0200	616.0406 Fence Chain Link Salvaged 6-FT	95.000 LF	_____.	_____.
0202	619.1000 Mobilization	1.000 EACH	_____.	_____.
0204	624.0100 Water	920.000 MGAL	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0206	625.0100 Topsoil	50,710.000 SY	_____.	_____.
0208	627.0200 Mulching	21,030.000 SY	_____.	_____.
0210	628.1504 Silt Fence	8,465.000 LF	_____.	_____.
0212	628.1520 Silt Fence Maintenance	8,465.000 LF	_____.	_____.
0214	628.1905 Mobilizations Erosion Control	15.000 EACH	_____.	_____.
0216	628.1910 Mobilizations Emergency Erosion Control	5.000 EACH	_____.	_____.
0218	628.2004 Erosion Mat Class I Type B	4,230.000 SY	_____.	_____.
0220	628.2008 Erosion Mat Urban Class I Type B	9,880.000 SY	_____.	_____.
0222	628.2027 Erosion Mat Class II Type C	15,570.000 SY	_____.	_____.
0224	628.7005 Inlet Protection Type A	85.000 EACH	_____.	_____.
0226	628.7010 Inlet Protection Type B	18.000 EACH	_____.	_____.
0228	628.7015 Inlet Protection Type C	56.000 EACH	_____.	_____.
0230	628.7020 Inlet Protection Type D	16.000 EACH	_____.	_____.
0232	628.7504 Temporary Ditch Checks	1,360.000 LF	_____.	_____.
0234	628.7555 Culvert Pipe Checks	120.000 EACH	_____.	_____.
0236	628.7570 Rock Bags	300.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0238	629.0210 Fertilizer Type B	15.000 CWT	_____.	_____.
0240	630.0120 Seeding Mixture No. 20	660.000 LB	_____.	_____.
0242	630.0140 Seeding Mixture No. 40	440.000 LB	_____.	_____.
0244	630.0500 Seed Water	1,096.000 MGAL	_____.	_____.
0246	634.0810 Posts Tubular Steel 2x2-Inch X 10-FT	11.000 EACH	_____.	_____.
0248	634.0812 Posts Tubular Steel 2x2-Inch X 12-FT	20.000 EACH	_____.	_____.
0250	634.0814 Posts Tubular Steel 2x2-Inch X 14-FT	4.000 EACH	_____.	_____.
0252	637.2210 Signs Type II Reflective H	115.360 SF	_____.	_____.
0254	637.2215 Signs Type II Reflective H Folding	20.720 SF	_____.	_____.
0256	637.2230 Signs Type II Reflective F	92.120 SF	_____.	_____.
0258	638.2102 Moving Signs Type II	7.000 EACH	_____.	_____.
0260	638.2602 Removing Signs Type II	27.000 EACH	_____.	_____.
0262	638.3000 Removing Small Sign Supports	28.000 EACH	_____.	_____.
0264	638.4000 Moving Small Sign Supports	4.000 EACH	_____.	_____.
0266	642.5001 Field Office Type B	1.000 EACH	_____.	_____.
0268	643.0300 Traffic Control Drums	26,259.000 DAY	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0270	643.0420 Traffic Control Barricades Type III	2,483.000 DAY	_____.	_____.
0272	643.0705 Traffic Control Warning Lights Type A	4,227.000 DAY	_____.	_____.
0274	643.0715 Traffic Control Warning Lights Type C	1,980.000 DAY	_____.	_____.
0276	643.0800 Traffic Control Arrow Boards	40.000 DAY	_____.	_____.
0278	643.0900 Traffic Control Signs	23,077.000 DAY	_____.	_____.
0280	643.0920 Traffic Control Covering Signs Type II	37.000 EACH	_____.	_____.
0282	643.1000 Traffic Control Signs Fixed Message	456.750 SF	_____.	_____.
0284	643.1050 Traffic Control Signs PCMS	196.000 DAY	_____.	_____.
0286	643.3105 Temporary Marking Line Paint 4-Inch	30,050.000 LF	_____.	_____.
0288	643.3150 Temporary Marking Line Removable Tape 4-Inch	16,300.000 LF	_____.	_____.
0290	643.3305 Temporary Marking Crosswalk Paint 6-inch	76.000 LF	_____.	_____.
0292	643.3850 Temporary Marking Stop Line Removable Tape 18-Inch	145.000 LF	_____.	_____.
0294	643.3950 Temporary Marking Diagonal Removable Tape 12-Inch	100.000 LF	_____.	_____.
0296	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0298	644.1440 Temporary Pedestrian Surface Matting	155.000 SF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0300	644.1601 Temporary Pedestrian Curb Ramp	20.000 DAY	_____.	_____.
0302	644.1605 Temporary Pedestrian Detectable Warning Field	20.000 SF	_____.	_____.
0304	644.1810 Temporary Pedestrian Barricade	280.000 LF	_____.	_____.
0306	645.0111 Geotextile Type DF Schedule A	1,350.000 SY	_____.	_____.
0308	645.0120 Geotextile Type HR	395.000 SY	_____.	_____.
0310	646.1020 Marking Line Epoxy 4-Inch	29,148.000 LF	_____.	_____.
0312	646.3020 Marking Line Epoxy 8-Inch	750.000 LF	_____.	_____.
0314	646.4520 Marking Line Same Day Epoxy 4-Inch	3,112.000 LF	_____.	_____.
0316	646.5020 Marking Arrow Epoxy	53.000 EACH	_____.	_____.
0318	646.5120 Marking Word Epoxy	4.000 EACH	_____.	_____.
0320	646.5220 Marking Symbol Epoxy	31.000 EACH	_____.	_____.
0322	646.6120 Marking Stop Line Epoxy 18-Inch	140.000 LF	_____.	_____.
0324	646.6464 Cold Weather Marking Epoxy 4-Inch	22,018.000 LF	_____.	_____.
0326	646.6468 Cold Weather Marking Epoxy 8-Inch	109.000 LF	_____.	_____.
0328	646.7120 Marking Diagonal Epoxy 12-Inch	218.000 LF	_____.	_____.
0330	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	690.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0332	646.8320 Marking Parking Stall Epoxy	400.000 LF	_____.	_____.
0334	646.9000 Marking Removal Line 4-Inch	12,838.000 LF	_____.	_____.
0336	646.9100 Marking Removal Line 8-Inch	195.000 LF	_____.	_____.
0338	646.9110 Marking Removal Line Water Blasting 8-Inch	385.000 LF	_____.	_____.
0340	646.9200 Marking Removal Line Wide	192.000 LF	_____.	_____.
0342	646.9300 Marking Removal Special Marking	6.000 EACH	_____.	_____.
0344	646.9310 Marking Removal Special Marking Water Blasting	3.000 EACH	_____.	_____.
0346	648.0100 Locating No-Passing Zones	1.480 MI	_____.	_____.
0348	650.4000 Construction Staking Storm Sewer	96.000 EACH	_____.	_____.
0350	650.4500 Construction Staking Subgrade	10,769.000 LF	_____.	_____.
0352	650.5000 Construction Staking Base	10,769.000 LF	_____.	_____.
0354	650.5500 Construction Staking Curb Gutter and Curb & Gutter	11,545.000 LF	_____.	_____.
0356	650.6501 Construction Staking Structure Layout (structure) 01. C-37-90	1.000 EACH	_____.	_____.
0358	650.8501 Construction Staking Electrical Installations (project) 01. 6999-09-72	1.000 EACH	_____.	_____.
0360	650.9000 Construction Staking Curb Ramps	11.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0362	650.9500 Construction Staking Sidewalk (project) 01. 6999-09-72	1.000 EACH	_____.	_____.
0364	650.9911 Construction Staking Supplemental Control (project) 01. 6999-09-72	1.000 EACH	_____.	_____.
0366	650.9920 Construction Staking Slope Stakes	8,955.000 LF	_____.	_____.
0368	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	1,152.000 LF	_____.	_____.
0370	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	742.000 LF	_____.	_____.
0372	652.0615 Conduit Special 3-Inch	520.000 LF	_____.	_____.
0374	652.0700.S Install Conduit into Existing Item	1.000 EACH	_____.	_____.
0376	652.0800 Conduit Loop Detector	1,174.000 LF	_____.	_____.
0378	653.0135 Pull Boxes Steel 24x36-Inch	8.000 EACH	_____.	_____.
0380	653.0140 Pull Boxes Steel 24x42-Inch	11.000 EACH	_____.	_____.
0382	653.0905 Removing Pull Boxes	5.000 EACH	_____.	_____.
0384	654.0101 Concrete Bases Type 1	1.000 EACH	_____.	_____.
0386	654.0102 Concrete Bases Type 2	8.000 EACH	_____.	_____.
0388	654.0107 Concrete Bases Type 7	1.000 EACH	_____.	_____.
0390	654.0217 Concrete Control Cabinet Bases Type 9 Special	1.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0392	655.0260 Cable Traffic Signal 12-14 AWG	2,255.000 LF	_____.	_____.
0394	655.0270 Cable Traffic Signal 15-14 AWG	249.000 LF	_____.	_____.
0396	655.0320 Cable Type UF 2-10 AWG Grounded	404.000 LF	_____.	_____.
0398	655.0515 Electrical Wire Traffic Signals 10 AWG	1,839.000 LF	_____.	_____.
0400	655.0610 Electrical Wire Lighting 12 AWG	680.000 LF	_____.	_____.
0402	655.0615 Electrical Wire Lighting 10 AWG	150.000 LF	_____.	_____.
0404	655.0630 Electrical Wire Lighting 4 AWG	450.000 LF	_____.	_____.
0406	655.0700 Loop Detector Lead In Cable	3,957.000 LF	_____.	_____.
0408	655.0800 Loop Detector Wire	3,712.000 LF	_____.	_____.
0410	655.0900 Traffic Signal EVP Detector Cable	79.000 LF	_____.	_____.
0412	656.0201 Electrical Service Meter Breaker Pedestal (location) 01. Stewart Avenue & S 72nd Avenue	1.000 EACH	_____.	_____.
0414	657.0100 Pedestal Bases	1.000 EACH	_____.	_____.
0416	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	8.000 EACH	_____.	_____.
0418	657.0305 Poles Type 2	6.000 EACH	_____.	_____.
0420	657.0315 Poles Type 4	2.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0422	657.0430 Traffic Signal Standards Aluminum 10-FT	1.000 EACH	_____.	_____.
0424	657.0595 Trombone Arms 25-FT	4.000 EACH	_____.	_____.
0426	657.0709 Luminaire Arms Truss Type 4-Inch Clamp 12-FT	2.000 EACH	_____.	_____.
0428	658.0173 Traffic Signal Face 3S 12-Inch	7.000 EACH	_____.	_____.
0430	658.0175 Traffic Signal Face 5S 12-Inch	5.000 EACH	_____.	_____.
0432	658.0416 Pedestrian Signal Face 16-Inch	4.000 EACH	_____.	_____.
0434	658.0500 Pedestrian Push Buttons	4.000 EACH	_____.	_____.
0436	658.5070 Signal Mounting Hardware (location) 01. Stewart Avenue & S 72nd Avenue	1.000 EACH	_____.	_____.
0438	659.1115 Luminaires Utility LED A	2.000 EACH	_____.	_____.
0440	690.0150 Sawing Asphalt	7,430.000 LF	_____.	_____.
0442	690.0250 Sawing Concrete	3,300.000 LF	_____.	_____.
0444	715.0720 Incentive Compressive Strength Concrete Pavement	500.000 DOL	1.00000	500.00
0446	740.0440 Incentive IRI Ride	6,544.700 DOL	1.00000	6,544.70
0448	ASP.1T0A On-the-Job Training Apprentice at \$5.00/ HR	2,400.000 HRS	5.00000	12,000.00
0450	ASP.1T0G On-the-Job Training Graduate at \$5.00/ HR	2,760.000 HRS	5.00000	13,800.00



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0452	SPV.0030 Special 01. Fertilizer for Lawn Type Turf	15.000 CWT	_____.	_____.
0454	SPV.0035 Special 01. Utility Trench Rock Excavation	40.000 CY	_____.	_____.
0456	SPV.0035 Special 02. Abandoning Sanitary Sewer	29.000 CY	_____.	_____.
0458	SPV.0060 Special 01. Research and Locate Existing Land Parcel Monuments	97.000 EACH	_____.	_____.
0460	SPV.0060 Special 02. Verify and Replace Existing Land Parcel Monuments	97.000 EACH	_____.	_____.
0462	SPV.0060 Special 03. Inlet Covers Type H-D	2.000 EACH	_____.	_____.
0464	SPV.0060 Special 04. Remove and Reinstall Street Lighting Assembly	1.000 EACH	_____.	_____.
0466	SPV.0060 Special 05. Salvage Traffic Signal and Lighting System (Stewart Avenue & S 72nd Avenue)	1.000 EACH	_____.	_____.
0468	SPV.0060 Special 06. Transport and Install City Furnished EVP (Stewart Avenue & S 72nd Avenue)	1.000 EACH	_____.	_____.
0470	SPV.0060 Special 07. Temporary Water Service	1.000 EACH	_____.	_____.
0472	SPV.0060 Special 08. Abandoning Sanitary Structure	6.000 EACH	_____.	_____.
0474	SPV.0060 Special 09. Connecting Sanitary Sewer	6.000 EACH	_____.	_____.
0476	SPV.0060 Special 10. Manholes Sanitary 5-FT Diameter	14.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0478	SPV.0060 Special 11. Manholes Sanitary 6-FT Diameter	3.000 EACH	_____.	_____.
0480	SPV.0060 Special 12. Sanitary Manhole Covers Type J-Special	23.000 EACH	_____.	_____.
0482	SPV.0060 Special 13. Sanitary Sewer PVC Wyes	23.000 EACH	_____.	_____.
0484	SPV.0060 Special 14. Sanitary Sewer Force Main Cleanout	1.000 EACH	_____.	_____.
0486	SPV.0060 Special 15. Connecting Water Main	14.000 EACH	_____.	_____.
0488	SPV.0060 Special 16. 10x10x10-Inch Tee	1.000 EACH	_____.	_____.
0490	SPV.0060 Special 17. 12x12x8-Inch Tee	3.000 EACH	_____.	_____.
0492	SPV.0060 Special 18. 14x14x8-Inch Tee	6.000 EACH	_____.	_____.
0494	SPV.0060 Special 19. 14x14x12-Inch Tee	1.000 EACH	_____.	_____.
0496	SPV.0060 Special 20. 12-Inch 11.25 Degree Bend	4.000 EACH	_____.	_____.
0498	SPV.0060 Special 21. 12-Inch 45 Degree Bend	4.000 EACH	_____.	_____.
0500	SPV.0060 Special 22. 8x6-Inch Reducer	8.000 EACH	_____.	_____.
0502	SPV.0060 Special 23. 12x10-Inch Reducer	1.000 EACH	_____.	_____.
0504	SPV.0060 Special 24. 8-Inch Valve & Valve Box	9.000 EACH	_____.	_____.
0506	SPV.0060 Special 25. 12-Inch Valve & Valve Box	6.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20240213031 Project(s): 6999-09-72

Federal ID(s): WISC 2024256

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0508	SPV.0060 Special 26. 14-Inch Valve & Valve Box	6.000 EACH	_____.	_____.
0510	SPV.0060 Special 27. Standard Hydrant	9.000 EACH	_____.	_____.
0512	SPV.0060 Special 28. Adjusting Hydrants	6.000 EACH	_____.	_____.
0514	SPV.0060 Special 29. Air Release Valve Vault	1.000 EACH	_____.	_____.
0516	SPV.0060 Special 30. Adjusting Valve Box	18.000 EACH	_____.	_____.
0518	SPV.0060 Special 31. Pipe Bollard	2.000 EACH	_____.	_____.
0520	SPV.0060 Special 32. Salvaging Hydrant	1.000 EACH	_____.	_____.
0522	SPV.0060 Special 33. Traffic Signal Controller and Cabinet, Fully Actuated 8-Phase	1.000 EACH	_____.	_____.
0524	SPV.0060 Special 34. Manholes Sanitary 4-FT Diameter	6.000 EACH	_____.	_____.
0526	SPV.0060 Special 35. 14-Inch 45 Degree Bend	4.000 EACH	_____.	_____.
0528	SPV.0060 Special 36. Adjusting Curb Stop	17.000 EACH	_____.	_____.
0530	SPV.0090 Special 01. Bore and Jack Steel Casing Pipe 24-Inch	38.000 LF	_____.	_____.
0532	SPV.0090 Special 02. Concrete Curb & Gutter HES 30-Inch Type D	1,240.000 LF	_____.	_____.
0534	SPV.0090 Special 03. Concrete Curb & Gutter 12 1/2-Inch Sloped HES 30-Inch Type D	360.000 LF	_____.	_____.
0536	SPV.0090 Special 04. Precast Concrete Box Culvert 10 FT X 8 FT Extension	30.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20240213031 Project(s): 6999-09-72

Federal ID(s): WISC 2024256

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0538	SPV.0090 Special 05. Sanitary Sewer 8-Inch	1,522.000 LF	_____.	_____.
0540	SPV.0090 Special 06. Sanitary Sewer 15-Inch	346.000 LF	_____.	_____.
0542	SPV.0090 Special 07. Sanitary Sewer 21-Inch	4,985.000 LF	_____.	_____.
0544	SPV.0090 Special 08. Sanitary Sewer Force Main 12-Inch	2,560.000 LF	_____.	_____.
0546	SPV.0090 Special 09. Sanitary Sewer 15-Inch in Casing	38.000 LF	_____.	_____.
0548	SPV.0090 Special 10. Sanitary Sewer Laterals	1,106.000 LF	_____.	_____.
0550	SPV.0090 Special 11. 8-Inch DI Water Main	199.000 LF	_____.	_____.
0552	SPV.0090 Special 12. 12-Inch DI Water Main	2,053.000 LF	_____.	_____.
0554	SPV.0090 Special 13. Water Laterals	1,286.000 LF	_____.	_____.
0556	SPV.0090 Special 14. 14-Inch DI Water Main	78.000 LF	_____.	_____.
0558	SPV.0180 Special 01. Preparing Topsoil for Lawn Type Turf	24,350.000 SY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

PLEASE ATTACH ADDENDA HERE



Wisconsin Department of Transportation

January 18, 2024

**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:

ASP-6 Addendum #01

Letting of February 13, 2024

Attached is a copy of the revised ASP-6. This ASP-6 replaces ASP-6 in all proposals in the February 13, 2024 Letting.

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

Additional Special Provision 6 (ASP-6)

Modifications to the standard specifications

Make the following revisions to the standard specifications:

108 Prosecution and Progress

Add subsection 108.9.4.1 effective with the November 2023 letting:

108.9.4.1 Winter Suspension for Completion Date Contracts

- (1) The contractor may request a winter suspension for a completion date contract. If the department determines weather conditions do not allow for the completion of the remaining work, the department may approve the contractor's request and determine the start date of the winter suspension. The end date of the winter suspension is March 31 or a date mutually agreed upon by both parties. For multi-year contracts, the department will only consider winter suspension for the final year of the contract.
 - (2) During winter suspension, store all materials in a manner that does not obstruct vehicular and pedestrian traffic and protect the materials from damage. Install traffic control and other safety devices necessary to protect the traveling public and pedestrians. Provide suitable drainage and install temporary erosion control where necessary. If the winter suspension begins when liquidated damages are being assessed, or when the work has not progressed as scheduled and would not have been completed prior to the completion date, the cost of necessary pre-suspension work is incidental. If the winter suspension begins prior to the contract completion date, and the work has progressed as scheduled and would have been completed prior to the completion date, the cost of pre-suspension work will be paid as specified under 109.4.
 - (3) For a winter suspension that begins prior to the contract completion date and the work has progressed as scheduled and would have been completed prior to the completion date, the engineer will extend contract time to correspond with the end of the winter suspension and liquidated damages will not be assessed during the winter suspension.
 - (4) For a winter suspension that begins when liquidated damages are being assessed or when the work has not progressed as scheduled and would not have been completed prior to the completion date, the engineer will not extend contract time. Time will be suspended until the end of the winter suspension. Liquidated damages will not be assessed during the winter suspension and liquidated damages will resume at the end of the winter suspension.
-

108.10.2 Excusable, Non-Compensable Delays

108.10.2.1 General

Replace entire section with the following effective with the January 2024 letting:

- (1) Non-compensable delays, 108.10.2.1(3), are excusable delays not the contractor's or the department's fault. The engineer will not pay for the delay costs listed in 109.4.7 for non-compensable delays.
 - (2) For non-compensable delays under calendar day and completion date contracts, the engineer will extend contract time if the conditions specified in 108.10.1 are met. The department will relieve the contractor from associated liquidated damages, as specified in 108.11, if the engineer extends time under 108.10.1.
 - (3) The following are non-compensable delays:
 1. Delays due to earthquakes, other cataclysmic phenomena of nature the contractor cannot foresee and avoid, severe weather or job conditions caused by recent weather as specified in 108.10.2.2.
 2. Extraordinary delays in material deliveries the contractor or their suppliers cannot foresee and forestall resulting from strikes, lockouts, freight embargoes, industry-wide shortages, governmental acts, or sudden disasters.
 3. Delays due to acts of the government, a political subdivision other than the department, or the public enemy.
 4. Delays from fires or epidemics.
 5. Delays from strikes beyond the contractor's power to settle not caused by improper acts or omissions of the contractor, their subcontractors, or their suppliers.
 6. Altered quantities as specified in 109.3.
-

108.10.3 Excusable Compensable Delays

Replace entire section with the following effective with the January 2024 letting:

- (1) Compensable delays are excusable delays due to the department's actions or lack of actions. The engineer will grant a time extension for a compensable delay if the conditions specified in 108.10.1 are met.
- (2) The following are compensable delays:

1. A contract change for revised work as specified for extra work under 104.2.2.1, for a differing site condition under 104.2.2.2, or for significant changes in the character of the work under 104.2.2.4.
 2. A contract change for an engineer-ordered suspension under 104.2.2.3.
 3. The unexpected discovery of human remains, an archaeological find, or historical find consistent with 107.25.
 4. The unexpected discovery of a hazardous substance consistent with 107.24.
 5. The non-completion of work that utilities or other third parties perform, if that work is not completed as specified in the contract.
- (3) For a compensable delay or a time extension, the department will relieve the contractor from associated liquidated damages under 108.11, and will pay the contractor for delay costs determined as follows:
1. Adjust the contract price as specified in 109.4.2 through 109.4.5 for delays under item 1 of 108.10.3(2).
 2. Adjust the contract price as specified in 109.4.7 for delays under items 2 through 5 of 108.10.3(2).

310 Open Graded Base

310.2 Materials

Replace paragraph two with the following effective with the November 2023 letting:

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

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

AASHTO No. 67 ^[1]	
SEIVE	COARSE AGGREGATE (% PASSING by WEIGHT) AASHTO No. 67
2-inch	-
1 1/2-inch	-
1-inch	100
3/4-inch	90 – 100
1/2-inch	-
3/8-inch	20 – 55
No. 4	0 – 10
No. 8	0 – 5
No. 16	-
No. 30	-
No. 50	-
No. 100	-
No. 200	<=1.5

[1] Size according to AASHTO M43.

390 Base Patching

390.4 Measurement

Replace entire section with the following effective with the November 2023 letting:

- (1) The department will measure Removing Pavement for Base Patching by the cubic yard acceptably completed. Measure the depth from the bottom of the adjacent pavement to the top of the patch.
- (2) The department will measure Base Patching Asphaltic by the ton acceptably completed as specified for asphaltic pavement in 450.4.
- (3) The department will measure Base Patching Concrete HES and Base Patching Concrete SHES by the cubic yard acceptably completed. Measure the depth from the bottom of the adjacent pavement to the top of the patch.

390.5 Payment

Replace entire section with the following effective with the November 2023 letting:

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

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
390.0100	Removing Pavement for Base Patching	CY
390.0201	Base Patching Asphaltic	TON
390.0305	Base Patching Concrete HES	CY
390.0405	Base Patching Concrete SHES	CY

- (2) Payment for Removing Pavement for Base Patching is full compensation for removing old pavement; for preparing the foundation and bringing up to grade. If the engineer orders the contractor to excavate yielding or unstable subgrade materials and backfill with suitable materials, the department will pay for that work with contract bid items or as agreed upon using 109.4.
- (3) Payment for Base Patching Asphaltic is full compensation for providing and compacting asphaltic mixture including asphaltic binder.
- (4) Payment for Base Patching Concrete HES and Base Patching Concrete SHES is full compensation for providing, curing, and protecting concrete. Payment also includes providing tie bars and dowel bars in unhardened concrete and steel within the patch. For tie bars and dowel bars provided in concrete not placed under the contract, the department will pay separately under the Drilled Tie Bars and Drilled Dowel Bars bid items as specified in 416.5.
- (5) Payment for Base Patching SHES also includes providing test data to the engineer as specified in 416.2.4.
- (6) The department will pay for sawing existing concrete pavement for removal under the Sawing Concrete bid item as specified in 690.5.

460 Hot Mix Asphalt Pavement**460.2.8.2.1.3.1 Contracts with 5000 Tons of Mixture or Greater**

Replace paragraph four with the following effective with the November 2023 letting:

- (4) Use the test methods identified below, or other methods the engineer approves, to perform the following tests at the frequency indicated:

Blended aggregate gradations:

Drum plants:

- Field extraction by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to WTM D8159. Gradation of resulting aggregate sample determined according to WTM T30.
- Belt samples, optional for virgin mixtures, obtained from stopped belt or from the belt discharge using an engineer-approved sampling device and performed according to WTM T11 and T27.

Batch plants:

- Field extraction by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to WTM D8159. Gradation of resulting aggregate sample determined according to WTM T30.

Asphalt content (AC) in percent:

Determine AC using one of the following methods:

- AC by ignition oven according to WTM T308.
- AC by chemical extraction according to AASHTO T-164 method A or B.
- AC by automated extraction according to WTM D8159.
- If the department is using an ignition oven to determine AC, conform to WTP H003.
- If the department is not using an ignition oven to determine AC, ignition oven correction factor (IOCF) must still be reverified for any of the reasons listed in WTP H003 Table 2 and conform to WTP H-003 sections 3 through 6.
- Gradation of resulting aggregate sample determined according to WTM T30.

Bulk specific gravity of the compacted mixture:

According to WTM T166.

Theoretical maximum specific gravity:

According to WTM T209.

Air voids (Va) by calculation according to WTM T269.

VMA by calculation according to WTM R35.

460.2.8.3.1.4 Department Verification Testing Requirements

Replace paragraph three with the following effective with the November 2023 letting:

- (3) The department will perform testing conforming to the following standards:
 - Bulk specific gravity (G_{mb}) of the compacted mixture according to WTM T166.
 - Maximum specific gravity (G_{mm}) according to WTM T209.
 - Air voids (V_a) by calculation according to WTM T269.
 - VMA by calculation according to WTM R35.
 - Asphalt content by ignition oven according to WTM T308, chemical extraction according to AASHTO T-164 method A or B, or automated extraction according to WTM D8159. If using an ignition oven to determine AC, conform to WTP H-003.

460.3.3.2 Pavement Density Determinations

Replace entire section with the following effective with the February 2024 letting:

- (1) The engineer will determine the target maximum density using department procedures described in WTM T355. The engineer will determine density according to CMM 815 and WTM T355 as soon as practicable after compaction and before placement of subsequent layers or before opening to traffic.
- (2) Do not re-roll compacted mixtures with deficient density test results. Do not operate continuously below the specified minimum density. Stop production, identify the source of the problem, and make corrections to produce work meeting the specification requirements.
- (3) A lot is defined as one day's production for each subplot type or one production shift if running 24 hours per day and placed within a single layer for each location and target maximum density category indicated in table 460-3. The lot density is the average of the tests taken for that lot. The department determines the number of tests per lot according to WTP H-002.
- (4) An HTCP-certified Nuclear Density Technician I (NUCDENSITYTEC-I) or a nuclear density ACT working under a NUCDENSITYTEC-I technician, will locate samples and perform the testing. A NUCDENSITYTEC-I technician will coordinate and take responsibility for the work an ACT performs. No more than one ACT can work under a single NUCDENSITYTEC-I technician. The responsible NUCDENSITYTEC-I technician will ensure that sample location and testing is performed correctly, analyze test results, and provide density results to the contractor weekly.

503 Prestressed Concrete Members

503.2.2 Concrete

Replace paragraph five with the following effective with the November 2023 letting:

- (5) Furnish prestressed concrete members cast from air-entrained concrete, except I-type girders may use non-air-entrained concrete. Use type I, IL, IS, IP, IT, II, or III cement. The contractor may replace up to 30 percent of type I, IL, II, or III cement with an equal weight of fly ash, slag, or a combination of fly ash and slag. Ensure that fly ash conforms to 501.2.4.2.2 and slag conforms to 501.2.4.2.3. Use only one source and replacement rate for work under a single bid item. Use a department-approved air-entraining admixture conforming to 501.2.5.2 for air-entrained concrete. Use only coarse aggregate conforming to 310.2(2).

604 Slope Paving

604.2 Materials

Replace paragraph three with the following effective with the November 2023 letting:

- (3) Under the Slope Paving Crushed Aggregate bid item, furnish crushed stone or crushed gravel conforming to the gradation in Table 604-01, but with the additional requirements that at least 75 percent of the particles, by count, have at least one fractured face. Determine fracture according to WTM D5821.

TABLE 604-01 COARSE AGGREGATE (% passing by weight)

AASHTO No. 4^[1]	
SEIVE	COARSE AGGREGATE (% PASSING by WEIGHT) AASHTO No. 4
2-inch	100
1 1/2-inch	90 - 100
1-inch	20 - 55
3/4-inch	0 - 15
1/2-inch	-
3/8-inch	0 - 5
No. 4	-
No. 8	-
No. 16	-
No. 30	-
No. 50	-
No. 100	-
No. 200	<=1.5

^[1] Size according to AASHTO M43.

612 Underdrains

612.3.9 Trench Underdrains

Replace paragraph one with the following effective with the November 2023 letting:

- (1) Under the Underdrain Trench bid item, excavate and backfill underdrain trenches. Backfill with coarse aggregate gradation conforming to 604.2(3). Before backfilling place geotextile as the plans show.

614 Semi-rigid Barrier Systems and End Treatments

614.2.6 Sand Barrel Arrays

Replace paragraph one with the following effective with the November 2023 letting:

- (1) Furnish sand barrels from the APL. Use fine aggregate conforming to gradation shown in Table 614-2 mixed with sodium chloride conforming to AASHTO M143. Apply an object marker to front-most barrel in the array.

TABLE 614-2 FINE AGGREGATE GRADATION

SEIVE	FINE AGGREGATE (% PASSING by WEIGHT)
3/8-inch	100
No. 4	90 - 100
No. 8	-
No. 16	45 - 85
No. 30	-
No. 50	5 - 30
No. 100	0 - 10
No. 200	<=3.5

628 Erosion Control**628.2.13 Rock Bags**

Replace paragraph two with the following effective with the November 2023 letting:

- (2) Fill the bags with a clean, sound, hard, durable, engineer-approved coarse aggregate conforming by visual inspection to the gradation specified for coarse aggregate gradation in 604.2(3).

639 Drilling Wells**639.2.1 General**

Replace paragraph two with the following effective with the November 2023 letting:

- (2) For grout use fine aggregate conforming to 501.2.7.2; and gradation conforming to 614.2.6(1); and type I, IL, IS, IP, or IT cement.

652 Electrical Conduit**652.3.1.2 Installing Underground**

Replace paragraph two with the following effective with the November 2023 letting:

- (2) Excavate trenches true to line and grade to provide the conduit uniform bearing throughout its length. Do not backfill the trench before inspecting the conduit. Carefully tamp the backfill in place as specified for placing backfill in layers in 651.3. Place at least 0.7 cubic feet of coarse aggregate gradation conforming to 604.2(3) directly under each drainage hole.

ERRATA

390.3.4 Special High Early Strength Concrete Patching

Correct errata link in paragraph (1) by changing from 416.3.8 to 416.3.7.

- (1) Construct as specified for special high early strength repairs under 416.3.7 except as follows:
 - The contractor may delay removal for up to 14 calendar days after cutting the existing pavement.
 - Open to traffic as specified for concrete base in 320.3.



Wisconsin Department of Transportation

February 6, 2024

**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 February 13, 2024

Attached is a copy of the revised WI 10 Highway Davis Bacon Prevailing Wage Rates that are included in proposals 04 – 15, 17, 18, 20 – 25, 28, and 30 – 39; WI 8 Heavy (Sewer & Water Line & Tunnel) Davis Bacon Prevailing Wage Rates that are included in proposals 21 and 31; and WI 15 Heavy Davis Bacon Prevailing Wage Rates that are included in proposal 15. These wage rates are effective for all proposals they are included in in the February 13, 2024 letting. The updated wage rates are dated February 2, 2024 and are effective on or after February 12, 2024.

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

Superseded General Decision Number: WI20230010

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: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.20 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 2024.
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

1 01/26/2024
2 02/02/2024

BRWI0001-002 06/01/2023

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND
VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.18	25.88

BRWI0002-002 06/01/2023

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 47.10	25.16

BRWI0002-005 06/01/2023

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...	\$ 39.97	25.02

BRWI0003-002 06/01/2023

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0004-002 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 44.50	26.96

BRWI0006-002 06/01/2023

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.08	25.98

BRWI0007-002 06/01/2023

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.95	26.80

BRWI0008-002 06/05/2023		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 44.96	25.67

BRWI0011-002 06/01/2023		

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0019-002 06/01/2023		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.32	26.74

BRWI0034-002 06/01/2023		

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 41.56	26.19

CARP0068-011 05/02/2022		

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.....	\$ 41.19	27.05

CARP0264-003 06/05/2023		

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON
COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 41.91	29.72

CARP0310-002 06/05/2023		

Ashland, Bayfield, Forest, Iron, Langlade, Lincoln, Marathon,
Oneida, Shawano, Taylor and Vilas

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0314-001 06/05/2023

Columbia, Dane, Dodge, Grant, Green, Iowa, Jefferson,
Lafayette, Richland, Rock, Sauk and Walworth

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

CARP0731-002 06/05/2023

Calumet (Eastern portion of the County), Fond Du Lac, Manitowoc
and Sheboygan

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0804-001 06/05/2023

Adams, Juneau, Portage and Wood

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

* CARP0955-002 06/05/2023

Calumet (western portion of County), Fond Du Lac, Green Lake,
Marquette, Outagamie, Waupaca, and Winnebago

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

CARP1056-002 06/01/2023

	Rates	Fringes
MILLWRIGHT.....	\$ 40.00	27.77

CARP1074-002 06/05/2023

Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pepin,
Pierce, Polk, Rusk, Sawyer, St. Croix and Washburn

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP1143-002 06/05/2023

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPPEALEAU AND
 VERNON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP1146-002 06/05/2023

Brown, Door, Florence, Kewaunee, Marinette, Menominee and
 Shawano

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP2337-009 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
PILEDRIVERMAN.....	\$ 39.22	34.01

 ELEC0014-002 11/26/2023

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, TREMPPEALEAU, VERNON, AND WASHBURN
 COUNTIES

	Rates	Fringes
Electricians:.....	\$ 41.32	22.91

 ELEC0014-007 05/28/2023

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer Installer/Technician.....	\$ 29.82	17.70

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 06/01/2023

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 46.05	30%+13.15

ELEC0158-002 05/30/2021

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.....	\$ 36.14	29.75%+10.26

ELEC0159-003 05/30/2021

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.....	\$ 43.38	23.13

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 05/30/2021

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 41.37	69.25%

ELEC0388-002 06/01/2023

ADAMS, CLARK (Colby, Fremont, 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:.....	\$ 38.74	26%+11.76

ELEC0430-002 06/01/2023		

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 46.70	25.02

ELEC0494-005 05/28/2023		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 47.75	26.72

ELEC0494-006 06/01/2021		

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.91	22.74

ELEC0494-013 05/28/2023		

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.....	\$ 34.65	18.36
Technician.....	\$ 34.65	18.36

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 06/01/2022

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:.....	\$ 37.41	29.50%+10.00

ELEC0890-003 06/01/2022

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.70	25.95%+11.26

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 06/01/2023

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 43.77	27.40
Group 2.....	\$ 43.27	27.40
Group 3.....	\$ 42.77	27.40
Group 4.....	\$ 42.51	27.40
Group 5.....	\$ 42.22	27.40
Group 6.....	\$ 36.32	27.40

HAZARDOUS WASTE PREMIUMS:
EPA Level "A" protection - \$3.00 per hour
EPA Level "B" protection - \$2.00 per hour
EPA Level "C" protection - \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs; pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender, day light machine

GROUP 6: Off-road material hauler with or without ejector.

 IRON0008-002 06/01/2023

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 43.40	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor

Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),
WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 41.73	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2023

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.....	\$ 41.00	30.13

IRON0498-005 06/01/2023

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and
WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 45.18	47.08

IRON0512-008 04/30/2023

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPPEALEAU
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 43.00	34.11

IRON0512-021 04/30/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 39.14	34.00

LAB00113-002 06/01/2023

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.56	23.86
Group 2.....	\$ 33.71	23.86
Group 3.....	\$ 33.91	23.86
Group 4.....	\$ 34.06	23.86
Group 5.....	\$ 34.21	23.86
Group 6.....	\$ 30.05	23.86

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 06/01/2023

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.81	23.86
Group 2.....	\$ 32.91	23.86
Group 3.....	\$ 32.96	23.86
Group 4.....	\$ 33.16	23.86
Group 5.....	\$ 33.01	23.86
Group 6.....	\$ 29.90	23.86

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 06/01/2023

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.62	23.86
Group 2.....	\$ 32.77	23.86
Group 3.....	\$ 32.97	23.86
Group 4.....	\$ 32.94	23.86
Group 5.....	\$ 33.27	23.86
Group 6.....	\$ 29.76	23.86

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 06/01/2023

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.....	\$ 37.57	19.25
Group 2.....	\$ 37.67	19.25
Group 3.....	\$ 37.72	19.25
Group 4.....	\$ 37.92	19.25
Group 5.....	\$ 37.77	19.25
Group 6.....	\$ 34.20	19.25

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 06/01/2023

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 37.85	19.25
Group 2.....	\$ 37.95	19.25
Group 3.....	\$ 38.00	19.25
Group 4.....	\$ 38.20	19.25
Group 5.....	\$ 38.05	19.25
Group 6.....	\$ 34.20	19.25

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 05/01/2023

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 34.59	24.84
Spray, Sandblast, Steel....	\$ 35.19	24.84
Repaint:		
Brush, Roller.....	\$ 33.09	24.84
Spray, Sandblast, Steel....	\$ 33.69	24.84

PAIN0108-002 06/01/2023

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 41.04	21.95
Spray & Sandblast.....	\$ 42.04	21.95

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 06/01/2023

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 39.84	24.86
Brush.....	\$ 39.09	24.86
Spray & Sandblast.....	\$ 39.84	24.86

PAIN0802-002 06/01/2023

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,
ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush.....	\$ 35.00	20.62

PREMIUM PAY:
Structural Steel, Spray, Bridges = \$1.00 additional per hour.

PAIN0802-003 06/01/2023

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.....	\$ 35.00	20.62

PAIN0934-001 06/01/2022

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 36.70	24.69
Spray.....	\$ 37.70	24.69
Structural Steel.....	\$ 36.85	24.69

PAIN1011-002 06/06/2021

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 26.71	14.38

PLAS0599-002 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area A.....	\$ 45.17	27.27
Area B.....	\$ 39.97	25.02
Area C.....	\$ 40.40	25.25
Area D.....	\$ 41.16	24.49
Area E.....	\$ 40.50	25.14
Area F.....	\$ 36.98	28.67

AREA DESCRIPTIONS

AREA A: ASHLAND, BURNETT, BAYFIELD, DOUGLAS, IRON, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA B: ADAMS, BARRON, BROWN, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, 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 C: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE, MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND VERNON COUNTIES

AREA D: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA E: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA F: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2023

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 35.57	26.09
3 or more Axles; Euclids, Dumpton & Articulated, Truck Mechanic.....	\$ 35.72	26.09

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 <https://www.dol.gov/agencies/whd/government-contracts>.

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) (iii)).

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 National Office because National Office has 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: WI20240008 02/02/2024

Superseded General Decision Number: WI20230008

State: Wisconsin

Construction Types: Heavy (Sewer and Water Line and Tunnel)

Counties: Wisconsin Statewide.

TUNNEL, SEWER & WATER LINE CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 14026 generally applies to the contract.. The contractor must pay all covered workers at least \$17.20 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 2024.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 13658 generally applies to the contract.. The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/05/2024
1	01/19/2024

BRWI0001-002 06/01/2023

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.18	25.88

BRWI0002-002 06/01/2023

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 47.10	25.16

BRWI0002-005 06/01/2023

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...	\$ 39.97	25.02

BRWI0003-002 06/01/2023

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0004-002 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 44.50	26.96

BRWI0006-002 06/01/2023

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.08	25.98

BRWI0007-002 06/01/2023

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.95	26.80

BRWI0008-002 06/05/2023		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 44.96	25.67

BRWI0009-001 06/01/2023		

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,
AND WINNEBAGO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0011-002 06/01/2023		

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0013-002 06/01/2023		

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 41.56	26.19

BRWI0019-002 06/01/2023		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.32	26.74

BRWI0021-002 06/01/2023		

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.49	27.24

BRWI0034-002 06/01/2023		

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 41.56	26.19

CARP0068-011 05/02/2022		

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.....	\$ 41.19	27.05

CARP0264-003 06/05/2023		

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 41.91	29.72

CARP0310-002 06/05/2023		

Ashland, Bayfield, Forest, Iron, Langlade, Lincoln, Marathon, Oneida, Shawano, Taylor and Vilas

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0314-001 06/05/2023		

Columbia, Dane, Dodge, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk and Walworth

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0361-004 05/01/2018		

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

CARP0731-002 06/05/2023		

Calumet (Eastern portion of the County), Fond Du Lac, Manitowoc and Sheboygan

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0804-001 06/05/2023		

Adams, Juneau, Portage and Wood

Rates	Fringes
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CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

 * CARP0955-002 06/05/2023

Calumet (western portion of County), Fond Du Lac, Green Lake,
 Marquette, Outagamie, Waupaca, and Winnebago

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP1056-002 06/01/2023

	Rates	Fringes
MILLWRIGHT.....	\$ 40.00	27.77

 CARP1074-002 06/05/2023

Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pepin,
 Pierce, Polk, Rusk, Sawyer, St. Croix and Washburn

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP1143-002 06/05/2023

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPLEAU AND
 VERNON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP1146-002 06/05/2023

Brown, Door, Florence, Kewaunee, Marinette, Menominee and
 Shawano

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP2337-009 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
PILEDRIVERMAN.....	\$ 39.22	34.01

 CARP2337-010 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
MILLWRIGHT.....	\$ 39.31	32.21

ELEC0014-002 11/26/2023		

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:.....	\$ 41.32	22.91

ELEC0127-002 06/01/2023		

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 46.05	30%+13.15

ELEC0158-002 05/30/2021		

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.....	\$ 36.14	29.75%+10.26

ELEC0159-003 05/30/2021		

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.....	\$ 43.38	23.13

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 05/30/2021

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 41.37	69.25%

ELEC0388-002 06/01/2023

ADAMS, CLARK (Colby, Fremont, 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:.....	\$ 38.74	26%+11.76

ELEC0430-002 06/01/2023

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 46.70	25.02

ELEC0494-005 05/28/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 47.75	26.72

ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.91	22.74

ELEC0577-003 06/01/2022

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:.....	\$ 37.41	29.50%+10.00

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,
 RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.70	25.95%+11.26

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 47.53	25.89
Group 2.....	\$ 46.28	25.89
Group 3.....	\$ 43.23	25.89
Group 4.....	\$ 42.70	25.89
Group 5.....	\$ 40.63	25.89
Group 6.....	\$ 39.10	25.89

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 06/05/2023

DODGE, FOND DU LAC, JEFFERSON, KENOSHA, MILWAUKEE, OZAUKEE, RACINE, SHEBOYGAN, WALWORTH, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 44.54	25.35
Group 2.....	\$ 43.76	25.35
Group 3.....	\$ 42.81	25.35
Group 4.....	\$ 41.76	25.35
Group 5.....	\$ 40.36	25.35

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 (145 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 06/01/2023

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 43.40	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

 IRON0008-003 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 41.73	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2023

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.....	\$ 41.00	30.13

IRON0498-005 06/01/2023

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 45.18	47.08

IRON0512-008 04/30/2023

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPPEALEAU COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 43.00	34.11

IRON0512-021 04/30/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 39.14	34.00

LAB00113-004 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Open Cut)		
Group 1.....	\$ 18.72	22.75
Group 2.....	\$ 21.10	22.75
Group 3.....	\$ 24.81	22.75
Group 4.....	\$ 34.62	22.75
Group 5.....	\$ 34.78	22.75

Group 6.....	\$ 34.84	22.75
Group 7.....	\$ 38.88	22.75
Group 8.....	\$ 41.83	22.75
Group 9.....	\$ 42.50	22.75

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 06/05/2023

SEWER, TUNNEL & UNDERGROUND

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
Laborers:		
Group 1.....	\$ 25.71	22.75
Group 2.....	\$ 31.93	22.75
Group 3.....	\$ 36.33	22.75
Group 4.....	\$ 38.19	22.75

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 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel-Free Air)		
Group 1.....	\$ 24.81	22.75
Group 2.....	\$ 34.78	22.75
Group 3.....	\$ 34.84	22.75
Group 4.....	\$ 38.88	22.75
Group 5.....	\$ 39.02	22.75
Group 6.....	\$ 41.83	22.75
Group 7.....	\$ 42.50	22.75

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 06/05/2023

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel -		
*COMPRESSED AIR 0 - 15 lbs.)		
Group 1.....	\$ 24.81	22.75
Group 2.....	\$ 34.78	22.75
Group 3.....	\$ 39.44	22.75
Group 4.....	\$ 40.28	22.75
Group 5.....	\$ 40.41	22.75
Group 6.....	\$ 43.24	22.75
Group 7.....	\$ 43.89	22.75

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; Pielayer 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 06/05/2023

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, KEWAUNEE, 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, TREMPPEALEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER (SEWER & WATER)		
Group 1.....	\$ 33.88	19.25
Group 2.....	\$ 35.73	19.25
Group 3.....	\$ 35.93	19.25
Group 4.....	\$ 36.68	19.25

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 06/05/2023

DANE AND DOUGLAS COUNTIES

Rates Fringes

LABORER

Group 1.....	\$ 33.78	19.25
Group 2.....	\$ 35.98	19.25
Group 3.....	\$ 36.18	19.25
Group 4.....	\$ 36.93	19.25

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 06/05/2023

BAYFIELD, BURNETT, IRON, SAWYER, AND WASHBURN COUNTIES

Rates Fringes

Laborers: (SEWER & WATER)

Group 1.....	\$ 33.57	19.25
Group 2.....	\$ 35.63	19.25
Group 3.....	\$ 35.83	19.25
Group 4.....	\$ 36.58	19.25

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

PLAS0599-002 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area A.....	\$ 45.17	27.27
Area B.....	\$ 39.97	25.02
Area C.....	\$ 40.40	25.25
Area D.....	\$ 41.16	24.49
Area E.....	\$ 40.50	25.14
Area F.....	\$ 36.98	28.67

AREA DESCRIPTIONS

AREA A: ASHLAND, BURNETT, BAYFIELD, DOUGLAS, IRON, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA B: ADAMS, BARRON, BROWN, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, 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 C: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE, MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND VERNON COUNTIES

AREA D: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA E: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA F: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2023

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 35.57	26.09
3 or more Axles; Euclids, Dumpton & Articulated, Truck Mechanic.....	\$ 35.72	26.09

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 <https://www.dol.gov/agencies/whd/government-contracts>.

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) (iii)).

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 National Office because National Office has 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: WI20240015 02/02/2024

Superseded General Decision Number: WI20230015

State: Wisconsin

Construction Type: Heavy

Counties: Wisconsin Statewide.

HEAVY CONSTRUCTION PROJECTS (Excluding Tunnel, Sewer, and Water Lines).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.20 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 2024.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/05/2024
1	01/26/2024

BOIL0107-001 01/01/2021

	Rates	Fringes
BOILERMAKER		
Boilermaker.....	\$ 39.52	31.50
Small Boiler Repair (under 25,000 lbs/hr).....	\$ 26.91	16.00

BRWI0001-002 06/01/2023

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND
VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.18	25.88

BRWI0002-002 06/01/2023

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 47.10	25.16

BRWI0002-005 06/01/2023

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...	\$ 39.97	25.02

BRWI0003-002 06/01/2023

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0004-002 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 44.50	26.96

BRWI0006-002 06/01/2023

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.08	25.98

BRWI0007-002 06/01/2023		

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.95	26.80

BRWI0008-002 06/05/2023		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 44.96	25.67

BRWI0009-001 06/01/2023		

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,
AND WINNEBAGO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0011-002 06/01/2023		

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.00	26.06

BRWI0013-002 06/01/2023		

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 41.56	26.19

BRWI0019-002 06/01/2023		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.32	26.74

BRWI0021-002 06/01/2023		

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 40.49	27.24

BRWI0034-002 06/01/2023

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 41.56	26.19

CARP0068-011 05/02/2022

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.....	\$ 41.19	27.05

CARP0264-003 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 41.91	29.72

CARP0310-002 06/05/2023

Ashland, Bayfield, Forest, Iron, Langlade, Lincoln, Marathon, Oneida, Shawano, Taylor and Vilas

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0314-001 06/05/2023

Columbia, Dane, Dodge, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk and Walworth

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

CARP0731-002 06/05/2023

Calumet (Eastern portion of the County), Fond Du Lac, Manitowoc and Sheboygan

Rates Fringes

CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

 CARP0804-001 06/05/2023

Adams, Juneau, Portage and Wood

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
Piledriver.....	\$ 39.43	27.02

 * CARP0955-002 06/05/2023

Calumet (western portion of County), Fond Du Lac, Green Lake,
 Marquette, Outagamie, Waupaca, and Winnebago

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP1056-002 06/01/2023

	Rates	Fringes
MILLWRIGHT.....	\$ 40.00	27.77

 CARP1074-002 06/05/2023

Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pepin,
 Pierce, Polk, Rusk, Sawyer, St. Croix and Washburn

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP1143-002 06/05/2023

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPLEAU AND
 VERNON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP1146-002 06/05/2023

Brown, Door, Florence, Kewaunee, Marinette, Menominee and
 Shawano

	Rates	Fringes
CARPENTER.....	\$ 38.86	27.06
PILEDRIVER.....	\$ 39.43	27.02

 CARP2337-009 06/05/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
PILEDRIVERMAN.....	\$ 39.22	34.01

CARP2337-010 06/01/2023		

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA

	Rates	Fringes
MILLWRIGHT.....	\$ 39.31	32.21

ELEC0014-002 11/26/2023		

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:.....	\$ 41.32	22.91

ELEC0014-007 05/28/2023		

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer Installer/Technician.....	\$ 29.82	17.70

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 06/01/2023

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 46.05	30%+13.15

ELEC0158-002 05/30/2021		

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.....\$ 36.14 29.75%+10.26

 ELEC0159-003 05/30/2021

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.....	\$ 43.38	23.13

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 05/30/2021		

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 41.37	69.25%

ELEC0388-002 06/01/2023		

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:.....	\$ 38.74	26%+11.76

ELEC0430-002 06/01/2023		

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 46.70	25.02

ELEC0494-005 05/28/2023		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates	Fringes
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Electricians:.....\$ 47.75 26.72

ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

Rates Fringes

Electricians:.....\$ 37.91 22.74

ELEC0494-013 05/28/2023

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.....\$ 34.65 18.36
Technician.....\$ 34.65 18.36

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 06/01/2022

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:.....\$ 37.41 29.50%+10.00

ELEC0890-003 06/01/2022

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.70	25.95%+11.26

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 06/01/2023		

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 50.21	24.05
Group 2.....	\$ 49.71	24.05
Group 3.....	\$ 49.21	24.05
Group 4.....	\$ 48.37	24.05
Group 5.....	\$ 44.39	24.05
Group 6.....	\$ 39.24	24.05

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 06/05/2023

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 47.53	25.89
Group 2.....	\$ 46.28	25.89
Group 3.....	\$ 43.23	25.89
Group 4.....	\$ 42.70	25.89
Group 5.....	\$ 40.63	25.89
Group 6.....	\$ 39.10	25.89

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 06/01/2023

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC,
MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO
COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 43.40	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2023

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),
WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 41.73	30.67

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2023

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.....	\$ 41.00	30.13

IRON0512-008 04/30/2023

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 43.00	34.11

IRON0512-021 04/30/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

Rates Fringes

IRONWORKER.....\$ 39.14 34.00

LAB00113-002 06/01/2023

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.56	23.86
Group 2.....	\$ 33.71	23.86
Group 3.....	\$ 33.91	23.86
Group 4.....	\$ 34.06	23.86
Group 5.....	\$ 34.21	23.86
Group 6.....	\$ 30.05	23.86

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 06/01/2023

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.81	23.86
Group 2.....	\$ 32.91	23.86
Group 3.....	\$ 32.96	23.86
Group 4.....	\$ 33.16	23.86
Group 5.....	\$ 33.01	23.86
Group 6.....	\$ 29.90	23.86

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 06/01/2023

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.62	23.86
Group 2.....	\$ 32.77	23.86
Group 3.....	\$ 32.97	23.86
Group 4.....	\$ 32.94	23.86
Group 5.....	\$ 33.27	23.86
Group 6.....	\$ 29.76	23.86

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 06/01/2023

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.....	\$ 37.57	19.25
Group 2.....	\$ 37.67	19.25
Group 3.....	\$ 37.72	19.25
Group 4.....	\$ 37.92	19.25
Group 5.....	\$ 37.77	19.25
Group 6.....	\$ 34.20	19.25

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 06/01/2023

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 37.85	19.25
Group 2.....	\$ 37.95	19.25
Group 3.....	\$ 38.00	19.25
Group 4.....	\$ 38.20	19.25
Group 5.....	\$ 38.05	19.25
Group 6.....	\$ 34.20	19.25

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 05/01/2023

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 34.59	24.84
Spray, Sandblast, Steel....	\$ 35.19	24.84
Repaint:		
Brush, Roller.....	\$ 33.09	24.84
Spray, Sandblast, Steel....	\$ 33.69	24.84

PAIN0108-002 06/01/2023

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 41.04	21.95
Spray & Sandblast.....	\$ 42.04	21.95

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 06/01/2023

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 39.84	24.86
Brush.....	\$ 39.09	24.86
Spray & Sandblast.....	\$ 39.84	24.86

PAIN0802-002 06/01/2023

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,
ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush.....	\$ 35.00	20.62

PREMIUM PAY:

Structural Steel, Spray, Bridges = \$1.00 additional per
hour.

PAIN0802-003 06/01/2023

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.....	\$ 35.00	20.62

PAIN0934-001 06/01/2022

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 36.70	24.69
Spray.....	\$ 37.70	24.69
Structural Steel.....	\$ 36.85	24.69

PAIN1011-002 06/06/2021

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 26.71	14.38

PLAS0599-002 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area A.....	\$ 45.17	27.27
Area B.....	\$ 39.97	25.02
Area C.....	\$ 40.40	25.25
Area D.....	\$ 41.16	24.49
Area E.....	\$ 40.50	25.14
Area F.....	\$ 36.98	28.67

AREA DESCRIPTIONS

AREA A: ASHLAND, BURNETT, BAYFIELD, DOUGLAS, IRON, PRICE,
SAWYER, AND WASHBURN COUNTIES

AREA B: ADAMS, BARRON, BROWN, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, 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 C: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE, MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND VERNON COUNTIES

AREA D: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA E: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA F: KENOSHA AND RACINE COUNTIES

 PLUM0011-003 05/01/2023

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 47.52	25.78

 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 06/01/2023

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
Plumber and Steamfitter.....	\$ 50.50	25.47

 PLUM0400-003 05/29/2023

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.....	\$ 49.85	20.94

 PLUM0434-002 05/28/2023

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, TREMPLEAU, VERNON, VILAS, AND WOOD COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 46.89	22.73

 PLUM0601-003 06/01/2022

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, MILWAUKEE, OZAUKEE, ROCK, WASHINGTON AND WAUKESHA COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 50.00	28.93

 PLUM0601-009 06/01/2022

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 52.06	26.86

 TEAM0039-002 06/01/2023

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axle Trucks.....	\$ 35.57	26.09
3 or more axles; Euclids or Dumptor, Articulated Truck, Mechanic.....	\$ 35.72	26.09

 * 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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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.20) or 13658 (\$12.90). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

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 <https://www.dol.gov/agencies/whd/government-contracts>.

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) (iii)).

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 National Office because National Office has 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.

=====

END OF GENERAL DECISION"



Wisconsin Department of Transportation

February 5, 2024

Division of Transportation Systems Development

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

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #31: 6999-09-72, WISC 2024256
C Wausau, Stewart Avenue
S 72nd Avenue to S 48th Avenue
Loc Str
Marathon County

Letting of February 13, 2024

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

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
SPV.0060.10	Manholes Sanitary 5-FT Diameter	EA	14	1	15
SPV.0060.11	Manholes Sanitary 6-FT Diameter	EA	3	-1	2

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
19	Corrected error in dimensions between all views
207	Corrected summation error in HMA Pavement 4 LT 58-28 S in Stage 3 (no proposal change required)
223	Corrected manhole size on Structure 30 to match the plans

Schedule of Items

Attached, dated February 5, 2024, are the revised Schedule of Items Pages 16 and 17.

Plan Sheets

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

Revised: 19, 207, and 223.

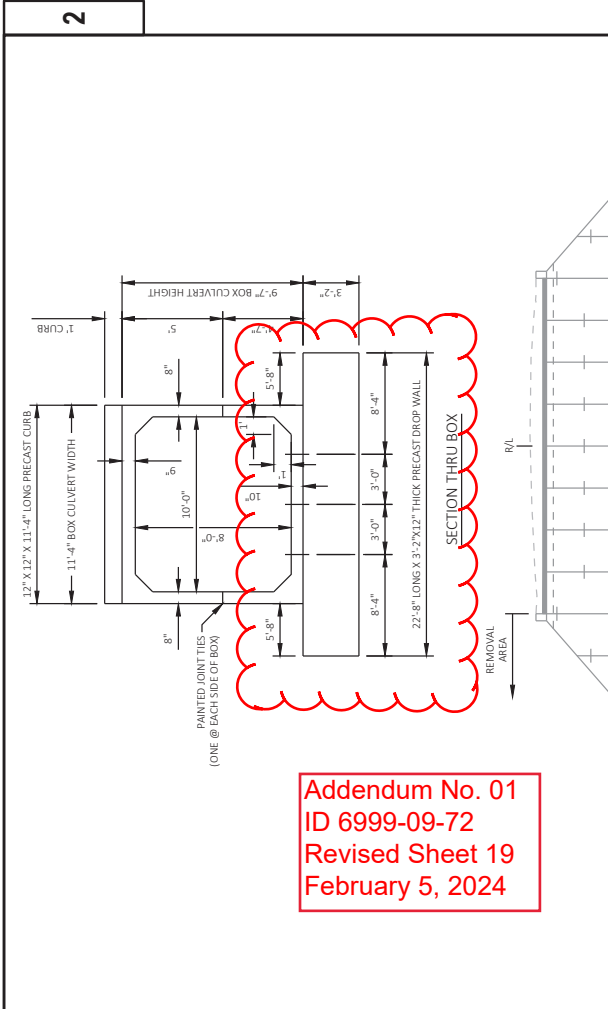
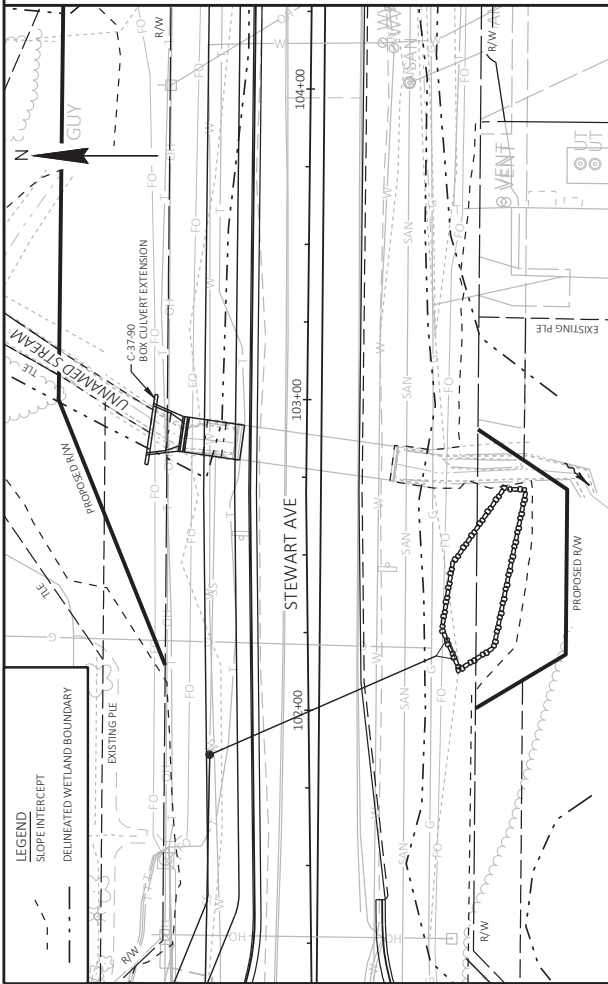
The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

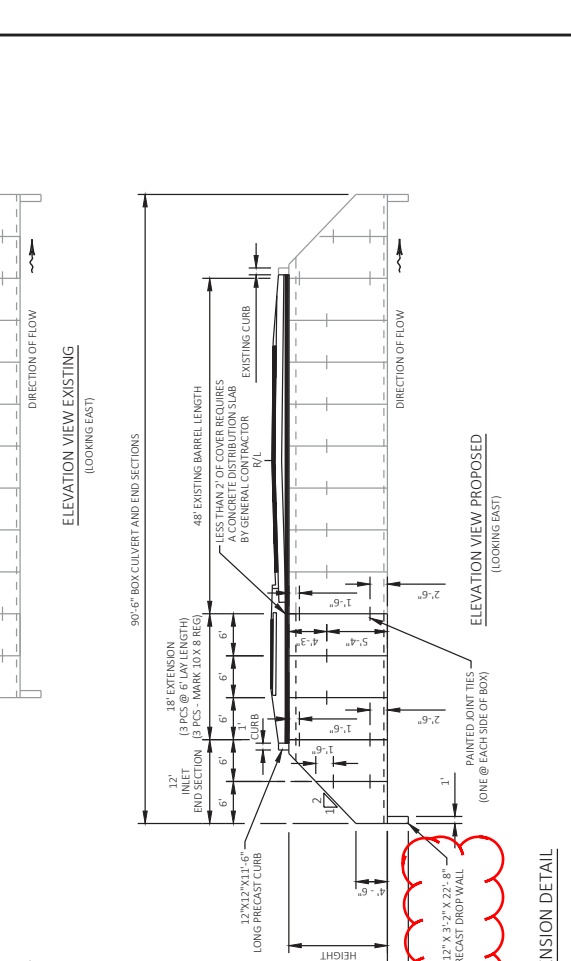
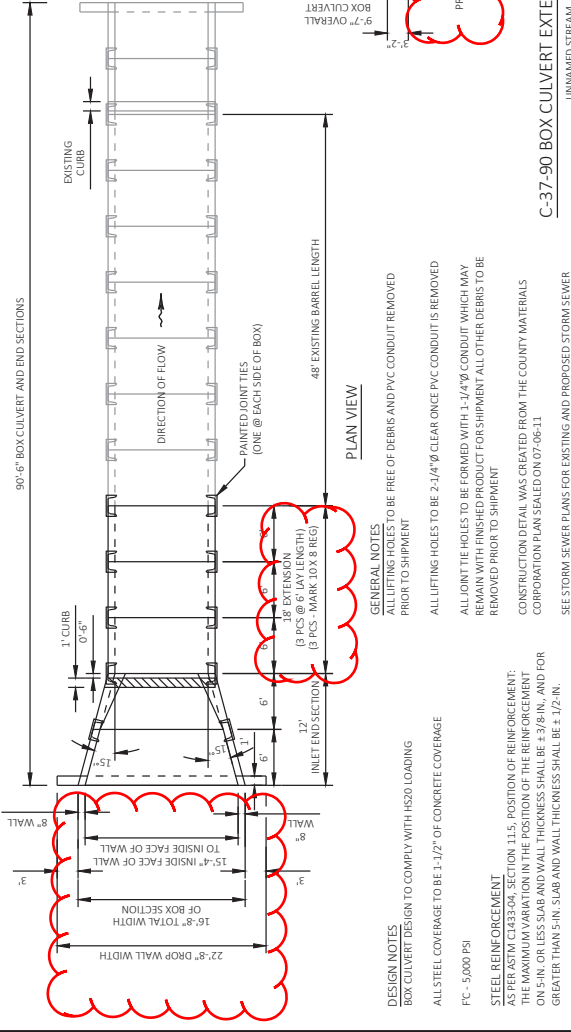
Mike Coleman

Proposal Development Specialist
Proposal Management Section

END OF ADDENDUM



Addendum No. 01
ID 6999-09-72
Revised Sheet 19
February 5, 2024



DESIGN NOTES
 BOX CULVERT DESIGN TO COMPLY WITH HS20 LOADING
 ALL STEEL COVERAGE TO BE 1-1/2" OF CONCRETE COVERAGE
 FC - 5,000 PSI
 AS PER ASTM C426/CSA S11.5, POSITION OF REINFORCEMENT:
 THE MAXIMUM VARIATION IN THE POSITION OF THE REINFORCEMENT
 ON 5-IN. OR LESS SLAB AND WALL THICKNESS SHALL BE ± 3/8-IN. AND FOR
 GREATER THAN 5-IN. SLAB AND WALL THICKNESS SHALL BE ± 1/2-IN.
GENERAL NOTES
 ALL LIFTING HOLES TO BE FREE OF DEBRIS AND PVC CONDUIT REMOVED
 PRIOR TO SHIPMENT
 ALL LIFTING HOLES TO BE 2-1/4" Ø CLEAR ONCE PVC CONDUIT IS REMOVED
 ALL JOINT TIE HOLES TO BE FORMED WITH 1-1/2" Ø CONDUIT WHICH MAY
 REMAIN WITH FINISHED PRODUCT FOR SHIPMENT. ALL OTHER DEBRIS TO BE
 REMOVED PRIOR TO SHIPMENT
 CONSTRUCTION DETAIL WAS CREATED FROM THE COUNTY MATERIALS
 CORPORATION PLAN SEALED ON 07-05-11
 SEE STORM SEWER PLANS FOR EXISTING AND PROPOSED STORM SEWER
 INFORMATION

Addendum No. 01
 ID 6999-09-72
 Revised Sheet 207
 February 5, 2024

3

BASE AGGREGATE ITEMS									
211.0500	305.0110*	305.0120*	DRIVEWAYS		DRIVEWAYS		DRIVEWAYS		COMMENTS
PREPARE	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	
BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	
DENSE 3/4-INCH	DENSE 1 1/4-INCH	DENSE 1 1/4-INCH	DENSE 3/4-INCH	DENSE 1 1/4-INCH	DENSE 1 1/4-INCH	DENSE 3/4-INCH	DENSE 1 1/4-INCH	DENSE 1 1/4-INCH	
TON	TON	TON	TON	TON	TON	TON	TON	TON	
1	100+42 - 101+34 LT	77+55 - 78+45 LT	80	80	80	80	80	80	5-48TH AVE
	77+50 - 80+00 LT & RT								
SUBTOTALS STAGE 1									
2	96+75 - 100+42 LT & RT	150+25 - 176+55 LT & RT	112	833	410	262	262	262	5-56TH AVE
	17+57 - 23+61 LT	58+80 - 61+00 LT & RT	15	15					
SUBTOTALS STAGE 2									
3	100+42 - 152+42 LT & RT	97+25 - 100+42 RT	85	85					
	15+82 - 18+67 RT	100+42 - 150+25 LT & RT	108	740	75	270	270	270	
	40+16 - 41+00 LT & RT								
SUBTOTALS STAGE 3									
4	100+42 - 119+00 LT	107+50 - 118+10 LT	113	175	37	220	11	11	MULTI-USE TRAIL & BUS DRIVEWAYS
	19+17 - 23+61 RT	14+60 - 23+61 LT & RT	34	34	43	10	10	10	5-72ND AVE
SUBTOTALS STAGE 4									
CATEGORY 0010 TOTALS			300	1,820	175	565	220	220	590

NOTE:
 *ADDITIONAL QUANTITIES SHOWN ELSEWHERE

EXCAVATION FOR STRUCTURES CULVERTS									
206.2001.01	206.2001.01	206.2001.01	EXCAVATION FOR STRUCTURES CULVERTS		EXCAVATION FOR STRUCTURES CULVERTS		EXCAVATION FOR STRUCTURES CULVERTS		COMMENTS
PREPARE	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	
BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	
DENSE 3/4-INCH	DENSE 1 1/4-INCH	DENSE 1 1/4-INCH	DENSE 3/4-INCH	DENSE 1 1/4-INCH	DENSE 1 1/4-INCH	DENSE 3/4-INCH	DENSE 1 1/4-INCH	DENSE 1 1/4-INCH	
TON	TON	TON	TON	TON	TON	TON	TON	TON	
1	100+42 - 101+34 LT	77+50 - 80+00 LT & RT	3	10	650	180	470	470	WIDENING 5-48TH AVE
SUBTOTALS STAGE 1									
2	96+75 - 100+42 LT & RT	150+25 - 176+55 LT & RT	27	27	9,470	700	700	700	5-72ND AVE
	17+57 - 23+61 LT	58+80 - 61+00 LT & RT	3	3	580	580	580	580	5-56TH AVE
SUBTOTALS STAGE 2									
3	100+42 - 152+42 LT & RT	97+25 - 100+42 RT	380	20,910	20,910	435	310	310	5-72ND AVE
	15+82 - 18+67 RT	100+42 - 150+25 LT & RT	10	10	435	310	310	310	5-68TH AVE
	40+16 - 41+00 LT & RT								
SUBTOTALS STAGE 3									
4	100+42 - 119+00 LT	107+50 - 118+10 LT	930	930	580	580	580	580	MULTI-USE TRAIL 5-72ND AVE
	19+17 - 23+61 RT	14+60 - 23+61 LT & RT	580	580	580	580	580	580	
SUBTOTALS STAGE 4									
CATEGORY 0010 TOTALS			84	440	34,515	3,510	3,510	3,510	

NOTE:
 *ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ASPHALTIC ITEMS												
211.0400	450.4000	455.0605	460.5223	465.0105	465.0110	465.0225	465.0310	465.0315	COMMENTS			
FOUNDATION FOR	HMA COLD	WEATHER	PAVING	PAVING	PAVING	PAVING	PAVING	PAVING				
PREPARE	WEATHER	PAVING	PAVING	PAVING	PAVING	PAVING	PAVING	PAVING				
ASPHALTIC SURFACE	PAVING	PAVING	PAVING	PAVING	PAVING	PAVING	PAVING	PAVING				
TEMPERARY	TEMPERARY	TEMPERARY	TEMPERARY	TEMPERARY	TEMPERARY	TEMPERARY	TEMPERARY	TEMPERARY				
FLUES	FLUES	FLUES	FLUES	FLUES	FLUES	FLUES	FLUES	FLUES				
SY	SY	SY	SY	SY	SY	SY	SY	SY				
1	94+50 - 150+25 LT & RT	14+60 - 23+61 LT & RT	77+50 - 80+00 LT & RT	23	89	44	20	745	170	2	TEMPORARY PAVING 5-72ND AVE	
SUBTOTALS STAGE 1												
2	17+90 - 22+23 LT	152+42 - 176+55 LT & RT	153+22 - 176+29 LT	488	1,911	956						
	58+80 - 61+00 LT & RT			30	115	57						
SUBTOTALS STAGE 2												
3	100+42 - 152+42 LT & RT	97+25 - 100+42 RT	100+42 - 152+42 LT & RT	3,026	125	125	16	1,125	600	4	5-72ND AVE INCLUDING MULTI-USE TRAIL	
	119+47 - 152+42 LT	18+62 - 18+82 LT & RT	40+16 - 41+00 LT & RT	67								
SUBTOTALS STAGE 3												
4	100+42 - 152+42 LT & RT	100+42 - 152+42 LT & RT	100+42 - 152+42 LT & RT	3,094	616	616	16	1,125	600	4	MULTI-USE TRAIL 5-72ND AVE SAN MH 5-68TH AVE	
SUBTOTALS STAGE 4												
5	100+42 - 118+37 LT	100+42 - 118+37 LT	100+42 - 118+37 LT	1,800	773	773						
	40+16 - 41+00 LT & RT			331								
SUBTOTALS STAGE 5												
CATEGORY 0010 TOTALS			45	3,432	1,770	5,950	125	185	1,870	770	24	

PRECAST CONCRETE BOX CULVERT										
SPV.0090.04	SPV.0090.04	SPV.0090.04	PRECAST CONCRETE BOX CULVERT		PRECAST CONCRETE BOX CULVERT		PRECAST CONCRETE BOX CULVERT		COMMENTS	
FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR	FOUNDATION FOR		
BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE	BASE AGGREGATE		
DENSE 3/4-INCH	DENSE 1 1/4-INCH	DENSE 1 1/4-INCH	DENSE 3/4-INCH	DENSE 1 1/4-INCH	DENSE 1 1/4-INCH	DENSE 3/4-INCH	DENSE 1 1/4-INCH	DENSE 1 1/4-INCH		
TON	TON	TON	TON	TON	TON	TON	TON	TON		
1	102+78 - 103+01 LT		1	1						
CATEGORY 0010 TOTAL										

Addendum No. 01
ID 6999-09-72
Revised Sheet 223
February 5, 2024

ABANDONING SANITARY SEWER

CATEGORY	STAGE	LOCATION	FROM	TO	SPV.0035.02 CY
0020	2	STEWART AVE	MH AT STA. 176+84	EXISTING MH AT STA. 177+40	3
SUBTOTAL STAGE 2					3
0020	3		EXISTING MH AT STA. 100+28	SAN MH (46) STA. 119+10	26
SUBTOTAL STAGE 3					26
CATEGORY 0020 TOTAL					29

TEMPORARY WATER SERVICE

CATEGORY	LOCATION	SPV.0060.07 EACH
0020	PROJECT	1
CATEGORY 0020 TOTAL		

ABANDONING SANITARY STRUCTURE

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.08 EACH
0020	3	104+03	RT	1
		107+22	RT	1
		111+24	RT	1
		114+73	RT	1
		117+14	RT	1
		119+12	RT	1
SUBTOTAL STAGE 3				
CATEGORY 0020 TOTAL				

CONNECTING SANITARY SEWER

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET	NO. OF EXISTING PIPES TO BE CONNECTED	SPV.0060.09 EACH	COMMENTS
0020	1	SAN MH (76)	79+16.0	30.4 RT	2	1	
SUBTOTAL STAGE 1							
0020	2	SAN MH (68)	170+36.0	11.8 RT	1	1	
SUBTOTAL STAGE 2							
0020	3	SAN MH (30)	100+27.8	27.5 RT	1	1	3 EXISTING PIPES, 1 TO BE ABANDONED
		SAN MH (34)	104+08.0	49.0 RT	1	1	2 EXISTING PIPES, 1 TO BE ABANDONED
		EX. SAN FM TEE	104+00.3	98.2 RT	1	1	EXISTING SANITARY FORCE MAIN TEE
		SAN MH (46)	119+10.0	0.0'	1	1	
SUBTOTAL STAGE 3							
CATEGORY 0020 TOTAL							

SANITARY SEWER MANHOLES AND COVERS

CATEGORY	STAGE	STATION	OFFSET	STRUCTURE	611.0230.5* TEMPORARY PLATES EACH	SPV.0060.34 SANITARY 6-FT DIAMETER EACH	SPV.0060.10 SANITARY 5-FT DIAMETER EACH	SPV.0060.11 SANITARY 6-FT COVERS EACH	SPV.0060.12 SPECIAL MANHOLE COVERS EACH
0020	1	176+83.9	13.4 RT	72	1	--	1	--	1
		078+54.4	38.6 RT	74	1	--	1	--	1
		26+00.0	26.0 RT	76	1	--	1	--	1
		101+00.4	46.4 RT	32	1	--	1	--	1
SUBTOTAL STAGE 1									
0020	2	149+08.3	12.0 RT	58	1	--	1	--	1
		155+08.3	12.0 RT	60	1	--	1	--	1
		161+07.3	12.0 RT	62	1	--	1	--	1
		167+07.3	12.0 RT	64	1	--	1	--	1
		168+35.5	12.0 RT	66	1	--	1	--	1
		170+35.8	12.0 RT	68	1	--	1	--	1
		173+91.9	12.0 RT	70	1	--	1	--	1
SUBTOTAL STAGE 2									
0020	3	100+27.8	27.6 RT	30	1	--	1	--	1
		104+05.7	90.17 RT	32	1	--	1	--	1
		104+51.0	0.0'	34	1	--	1	--	1
		104+51.0	0.0'	36	1	--	1	--	1
		108+50.0	0.0'	38	1	--	1	--	1
		111+47.4	0.0'	40	1	--	1	--	1
		115+00.0	0.0'	42	1	--	1	--	1
		118+00.0	0.0'	44	1	--	1	--	1
		119+08.3	0.0'	46	1	--	1	--	1
		129+01.7	0.0'	48	1	--	1	--	1
		132+91.1	0.0'	50	1	--	1	--	1
		137+08.5	0.0'	52	1	--	1	--	1
		143+08.3	0.0'	54	1	--	1	--	1
SUBTOTAL STAGE 3									
CATEGORY 0020 TOTALS									

NOTE:
ADDITIONAL QUANTITIES SHOWN ELSEWHERE



Proposal Schedule of Items

Proposal ID: 20240213031 Project(s): 6999-09-72

Federal ID(s): WISC 2024256

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0452	SPV.0030 Special 01. Fertilizer for Lawn Type Turf	15.000 CWT	_____.	_____.
0454	SPV.0035 Special 01. Utility Trench Rock Excavation	40.000 CY	_____.	_____.
0456	SPV.0035 Special 02. Abandoning Sanitary Sewer	29.000 CY	_____.	_____.
0458	SPV.0060 Special 01. Research and Locate Existing Land Parcel Monuments	97.000 EACH	_____.	_____.
0460	SPV.0060 Special 02. Verify and Replace Existing Land Parcel Monuments	97.000 EACH	_____.	_____.
0462	SPV.0060 Special 03. Inlet Covers Type H-D	2.000 EACH	_____.	_____.
0464	SPV.0060 Special 04. Remove and Reinstall Street Lighting Assembly	1.000 EACH	_____.	_____.
0466	SPV.0060 Special 05. Salvage Traffic Signal and Lighting System (Stewart Avenue & S 72nd Avenue)	1.000 EACH	_____.	_____.
0468	SPV.0060 Special 06. Transport and Install City Furnished EVP (Stewart Avenue & S 72nd Avenue)	1.000 EACH	_____.	_____.
0470	SPV.0060 Special 07. Temporary Water Service	1.000 EACH	_____.	_____.
0472	SPV.0060 Special 08. Abandoning Sanitary Structure	6.000 EACH	_____.	_____.
0474	SPV.0060 Special 09. Connecting Sanitary Sewer	6.000 EACH	_____.	_____.
0476	SPV.0060 Special 10. Manholes Sanitary 5-FT Diameter	15.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20240213031 Project(s): 6999-09-72

Federal ID(s): WISC 2024256

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0478	SPV.0060 Special 11. Manholes Sanitary 6-FT Diameter	2.000 EACH	_____.	_____.
0480	SPV.0060 Special 12. Sanitary Manhole Covers Type J-Special	23.000 EACH	_____.	_____.
0482	SPV.0060 Special 13. Sanitary Sewer PVC Wyes	23.000 EACH	_____.	_____.
0484	SPV.0060 Special 14. Sanitary Sewer Force Main Cleanout	1.000 EACH	_____.	_____.
0486	SPV.0060 Special 15. Connecting Water Main	14.000 EACH	_____.	_____.
0488	SPV.0060 Special 16. 10x10x10-Inch Tee	1.000 EACH	_____.	_____.
0490	SPV.0060 Special 17. 12x12x8-Inch Tee	3.000 EACH	_____.	_____.
0492	SPV.0060 Special 18. 14x14x8-Inch Tee	6.000 EACH	_____.	_____.
0494	SPV.0060 Special 19. 14x14x12-Inch Tee	1.000 EACH	_____.	_____.
0496	SPV.0060 Special 20. 12-Inch 11.25 Degree Bend	4.000 EACH	_____.	_____.
0498	SPV.0060 Special 21. 12-Inch 45 Degree Bend	4.000 EACH	_____.	_____.
0500	SPV.0060 Special 22. 8x6-Inch Reducer	8.000 EACH	_____.	_____.
0502	SPV.0060 Special 23. 12x10-Inch Reducer	1.000 EACH	_____.	_____.
0504	SPV.0060 Special 24. 8-Inch Valve & Valve Box	9.000 EACH	_____.	_____.
0506	SPV.0060 Special 25. 12-Inch Valve & Valve Box	6.000 EACH	_____.	_____.



Wisconsin Department of Transportation

Division of Transportation Systems Development

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

February 9, 2024

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #31: 6999-09-72, WISC 2024256
C Wausau, Stewart Avenue
S 72nd Avenue to S 48th Avenue
Loc Str
Marathon County

Letting of February 13, 2024

This is Addendum No. 2, which provides for the following:

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
658.0173	Traffic Signal Face 3S 12-Inch	EA	7	1	8
658.0175	Traffic Signal Face 3S 12-Inch	EA	5	-1	4
SPV.0090.13	Water Laterals	LF	1,286	-832	454

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
220	Corrected error in signal face size at signal head 7
225	Corrected water service lateral quantity to match the plans

Schedule of Items

Attached, dated February 9, 2024, are the revised Schedule of Items Pages 15 and 19.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 220 and 225.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

END OF ADDENDUM

TRAFFIC SIGNAL FACE ITEMS

CATEGORY	SIGNAL HEAD NO.	SIGNAL HEAD INCH	TRAFFIC SIGNAL FACE	TRAFFIC SIGNAL FACE	PEDESTRIAN SIGNAL FACE
0010		35.12-INCH	55.12-INCH	55.12-INCH	16-INCH
		EACH	EACH	EACH	EACH
1	585	1	-	-	-
2	582	1	-	-	-
3	581	1	-	-	-
4	584	1	-	-	-
5	583	1	-	-	-
6	585	1	-	-	-
7	583	1	-	-	-
8	589	1	-	-	-
9	588	1	-	-	-
10	586	1	-	-	-
11	587	1	-	-	-
12	583	1	-	-	-
13	585	1	-	-	-
14	586	1	-	-	-
15	588	1	-	-	-
16	587	1	-	-	-
CATEGORY 0010 TOTALS		8	4	4	4

TRAFFIC SIGNAL EVP DETECTOR CABLE

CATEGORY	FROM	TO	QUANTITY
0010	CB1	SB1	79
CATEGORY 0010 TOTAL			79

POLE ITEMS

CATEGORY	SIGNAL BASE NO.	PEDESTAL BASES	TRANSFORMER BUSES	11.12-INCH BOLT CIRCLE	POLES TYPE 2	POLES TYPE 4	TRAFFIC SIGNAL STANDARDS	ALUMINUM 10-FT	ARMIS 25-FT	TROMBONE	PEDESTRIAN PUSH BUTTONS
0010		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
581	-	1	1	1	-	-	-	-	-	-	-
582	-	1	1	1	-	-	-	-	-	-	-
583	-	1	1	1	-	-	-	-	-	-	-
584	-	1	1	1	-	-	-	-	-	-	-
585	1	-	-	-	-	-	-	-	-	-	-
586	-	1	1	1	-	-	-	-	-	-	-
587	-	1	1	1	-	-	-	-	-	-	-
588	-	1	1	1	-	-	-	-	-	-	-
589	-	1	1	1	-	-	-	-	-	-	-
CATEGORY 0010 TOTALS		1	8	6	2	1	1	4	4	4	4

ELECTRICAL SERVICE METER BREAKER PEDESTAL

CATEGORY	LOCATION	QUANTITY
0010	STEWART AVENUE & 572ND AVENUE	1
CATEGORY 0010 TOTAL		1

Addendum No. 02
 ID 6999-09-72
 Revised Sheet 220
 February 9, 2024

CONNECTING WATER MAIN

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET	SPV.0060.15 EACH	COMMENTS
0020	2	WG-V-156.1	156+77.3	21.7' LT	1	
		WF-156	156+81.2	21.7' LT	1	
		WF-157	161+55.2	20.6' LT	1	
		WF-161	161+55.2	20.6' LT	1	
		WG-V-166.1	166+00.2	22.5' LT	1	
		WF-166	166+03.8	22.6' LT	1	
SUBTOTAL STAGE 2						6
3		WF-104	104+21.2	49.7' RT	1	
		WF-119	139+05.0	8.0' LT	1	
		EX WM	139+68.7	19.5' LT	1	
		EX WM	139+68.7	19.5' LT	1	
		WG-V-142.1	142+34.9	19.8' LT	1	
		WF-142	142+38.3	19.9' LT	1	
		WG-V-146.1	146+74.1	21.5' LT	1	
		WF-146	146+78.1	21.6' LT	1	
SUBTOTAL STAGE 3						8
CATEGORY 0020 TOTAL						14

3

WATER MAIN REDUCER ITEMS

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.23 8X6-INCH REDUCER EACH	COMMENTS	
0020	2	156+81.4	36.5' LT	1	WR-156	
		161+55.5	36.5' LT	1	WR-161	
		166+04.1	36.5' LT	1	WR-166	
SUBTOTAL STAGE 2						3
3		119+09.4	8' LT	1	WR-119	
		124+89.0	36.4' LT	1	WR-124	
		130+86.2	36.4' LT	1	WR-130	
		136+81.4	36.6' LT	1	WR-136	
		142+38.5	36.6' LT	1	WR-142	
		146+78.3	36.6' LT	1	WR-146	
SUBTOTAL STAGE 3						5
CATEGORY 0020 TOTALS						8
CATEGORY 0020 TOTALS						1

UTILITY BEND ITEMS

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.20 12-INCH 1.125 DEGREE BEND EACH	SPV.0060.21 12-INCH 45 DEGREE BEND EACH	SPV.0060.35 14-INCH 45 DEGREE BEND EACH	COMMENTS
0020	3	104+00.3	95.4' RT	1	1		SB-104.1
		104+35.9	61.0' RT	1	1		SB-104.2
		104+36.2	33.2' RT	1	1		SB-104.3
		104+56.3	9.7' RT	1	1		SB-104.4
		111+57.9	4.0' RT	1	1		SB-111
		119+13.1	4.3' RT	1	1		SB-119.1
		119+76.0	0.0'	1	1		SB-119.2
		139+55.9	10.4' LT	1	1		WB-139.1
		139+55.9	18.5' LT	1	1		WB-139.2
		139+58.9	19.5' LT	1	1		WB-139.4
SUBTOTAL STAGE 3							
CATEGORY 0020 TOTALS							
CATEGORY 0020 TOTALS							

3

WATER MAIN TEE ITEMS

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET	SPV.0060.16 10X10X10-INCH TEE EACH	SPV.0060.17 12X12X8-INCH TEE EACH	SPV.0060.18 14X14X8-INCH TEE EACH	SPV.0060.19 14X14X12-INCH TEE EACH	COMMENTS
0020	2	156+81.2	21.7' LT		1	1	1	1	WF-156
		161+55.2	20.6' LT		1	1	1	1	WF-161
		166+03.8	22.6' LT		1	1	1	1	WF-166
SUBTOTAL STAGE 2									
3		104+21.2	49.7' RT		1	1	1	1	WF-104
		139+05.0	8' LT		1	1	1	1	WF-119
		139+68.7	19.5' LT		1	1	1	1	WF-130
		139+68.7	19.5' LT		1	1	1	1	WF-130
		136+81.3	8' LT		1	1	1	1	WF-136
		139+55.9	8' LT		1	1	1	1	WF-139
		142+38.3	19.9' LT		1	1	1	1	WF-142
		146+78.1	21.6' LT		1	1	1	1	WF-146
SUBTOTAL STAGE 3									
CATEGORY 0020 TOTALS									
CATEGORY 0020 TOTALS									

WATER LATERALS

CATEGORY	STAGE	STATION	OFFSET	SPV.0090.13 LF	COMMENTS
0020	2	156+41.2	RT	69	
		154+01.1	RT	69	
		154+22.3	RT	69	
		157+21.5	RT	67	
		157+60.4	LT	46	
		162+52.0	LT	35	
		166+89.8	LT	33	
SUBTOTAL STAGE 2					454
CATEGORY 0020 TOTAL					454

UTILITY VALVE & VALVE BOX ITEMS

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.24 8-INCH VALVE & VALVE BOX EACH	SPV.0060.25 12-INCH VALVE & VALVE BOX EACH	SPV.0060.26 14-INCH VALVE & VALVE BOX EACH	COMMENTS
0020	2	156+77.3	21.7' LT	1	1	1	WG-V-156.1
		156+81.4	34.0' LT	1	1	1	WG-V-156.2
		161+51.1	20.6' LT	1	1	1	WG-V-161.1
		161+51.1	20.6' LT	1	1	1	WG-V-161.2
		166+02.2	22.2' LT	1	1	1	WG-V-166.1
		166+04.0	34.0' LT	1	1	1	WG-V-166.2
SUBTOTAL STAGE 2							
CATEGORY 0020 TOTALS							
CATEGORY 0020 TOTALS							
3		104+23.9	48.3' RT	1	1	1	WG-V-104
		104+36.1	43.1' RT	1	1	1	SGV-104
		119+21.6	8.0' LT	1	1	1	WG-V-119
		124+91.9	8.0' LT	1	1	1	WG-V-124.2
		130+83.0	8.0' LT	1	1	1	WG-V-130.1
		130+86.2	34.0' LT	1	1	1	WG-V-130.2
		136+78.3	8.0' LT	1	1	1	WG-V-136.1
		138+51.4	8.0' LT	1	1	1	WG-V-138.1
		139+55.8	3.7' LT	1	1	1	WG-V-139.2
		142+34.9	19.8' LT	1	1	1	WG-V-142.1
		142+38.4	34.0' LT	1	1	1	WG-V-142.2
		146+78.2	34.0' LT	1	1	1	WG-V-146.2
SUBTOTAL STAGE 3							
CATEGORY 0020 TOTALS							
CATEGORY 0020 TOTALS							

Addendum No. 02
ID 6999-09-72
Revised Sheet 225
February 9, 2024



Proposal Schedule of Items

Proposal ID: 20240213031 Project(s): 6999-09-72

Federal ID(s): WISC 2024256

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0422	657.0430 Traffic Signal Standards Aluminum 10-FT	1.000 EACH	_____.	_____.
0424	657.0595 Trombone Arms 25-FT	4.000 EACH	_____.	_____.
0426	657.0709 Luminaire Arms Truss Type 4-Inch Clamp 12-FT	2.000 EACH	_____.	_____.
0428	658.0173 Traffic Signal Face 3S 12-Inch	8.000 EACH	_____.	_____.
0430	658.0175 Traffic Signal Face 5S 12-Inch	4.000 EACH	_____.	_____.
0432	658.0416 Pedestrian Signal Face 16-Inch	4.000 EACH	_____.	_____.
0434	658.0500 Pedestrian Push Buttons	4.000 EACH	_____.	_____.
0436	658.5070 Signal Mounting Hardware (location) 01. Stewart Avenue & S 72nd Avenue	1.000 EACH	_____.	_____.
0438	659.1115 Luminaires Utility LED A	2.000 EACH	_____.	_____.
0440	690.0150 Sawing Asphalt	7,430.000 LF	_____.	_____.
0442	690.0250 Sawing Concrete	3,300.000 LF	_____.	_____.
0444	715.0720 Incentive Compressive Strength Concrete Pavement	500.000 DOL	1.00000	500.00
0446	740.0440 Incentive IRI Ride	6,544.700 DOL	1.00000	6,544.70
0448	ASP.1T0A On-the-Job Training Apprentice at \$5.00/ HR	2,400.000 HRS	5.00000	12,000.00
0450	ASP.1T0G On-the-Job Training Graduate at \$5.00/ HR	2,760.000 HRS	5.00000	13,800.00



Proposal Schedule of Items

Proposal ID: 20240213031 Project(s): 6999-09-72

Federal ID(s): WISC 2024256

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0538	SPV.0090 Special 05. Sanitary Sewer 8-Inch	1,522.000 LF	_____.	_____.
0540	SPV.0090 Special 06. Sanitary Sewer 15-Inch	346.000 LF	_____.	_____.
0542	SPV.0090 Special 07. Sanitary Sewer 21-Inch	4,985.000 LF	_____.	_____.
0544	SPV.0090 Special 08. Sanitary Sewer Force Main 12-Inch	2,560.000 LF	_____.	_____.
0546	SPV.0090 Special 09. Sanitary Sewer 15-Inch in Casing	38.000 LF	_____.	_____.
0548	SPV.0090 Special 10. Sanitary Sewer Laterals	1,106.000 LF	_____.	_____.
0550	SPV.0090 Special 11. 8-Inch DI Water Main	199.000 LF	_____.	_____.
0552	SPV.0090 Special 12. 12-Inch DI Water Main	2,053.000 LF	_____.	_____.
0554	SPV.0090 Special 13. Water Laterals	454.000 LF	_____.	_____.
0556	SPV.0090 Special 14. 14-Inch DI Water Main	78.000 LF	_____.	_____.
0558	SPV.0180 Special 01. Preparing Topsoil for Lawn Type Turf	24,350.000 SY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.