

# HIGHWAY WORK PROPOSAL

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

Proposal Number: **015**

| <u>COUNTY</u> | <u>STATE PROJECT</u> | <u>FEDERAL</u> | <u>PROJECT DESCRIPTION</u>                   | <u>HIGHWAY</u> |
|---------------|----------------------|----------------|--|----------------|
| Waukesha      | 2718-04-71           | WISC 2022167   | W St Paul Avenue; Mountain Ave To Madison St | 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<br>Payable to: Wisconsin Department of Transportation | Attach Proposal Guaranty on back of this PAGE.  |
| Bid Submittal<br>Date: February 8, 2022<br>Time (Local Time): 11:00 am                         | Firm Name, Address, City, State, Zip Code       |
| Contract Completion Time<br>October 21, 2022   | <b>SAMPLE<br/>NOT FOR BIDDING PURPOSES</b>      |
| Assigned Disadvantaged Business Enterprise Goal 9%   | This contract is exempt from federal oversight. |

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

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

Subscribed and sworn to before me this date \_\_\_\_\_

\_\_\_\_\_  
(Signature, Notary Public, State of Wisconsin)

\_\_\_\_\_  
(Bidder Signature)

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

\_\_\_\_\_  
(Print or Type Bidder Name)

\_\_\_\_\_  
(Date Commission Expires)

\_\_\_\_\_  
(Bidder Title)

Notary Seal

|   |                         |
|---|-------------------------|
| Type of Work:<br>Grade, Sanitary Sewer, Water Main, Storm Sewer, Base, Concrete Pavement, Asphalt Pavement, Curb & Gutter, Sidewalk, Signals, Lighting, Signing, Pavement Marking | For Department Use Only |
| Notice of Award Dated   | Date Guaranty Returned  |

**PLEASE ATTACH  
PROPOSAL GUARANTY HERE**

**Effective with November 2007 Letting**

**PROPOSAL REQUIREMENTS AND CONDITIONS**

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

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

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

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

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

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

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

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

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

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

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

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

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



## **Effective with August 2015 Letting**

### **BID PREPARATION**

#### **Preparing the Proposal Schedule of Items**

##### **A General**

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

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

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

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

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

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

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

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

##### **B Submitting Electronic Bids**

###### **B.1 On the Internet**

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

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

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

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

**Bidder Name**

**BN00**

**Proposals: 1, 12, 14, & 22**

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

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

### **C Waiver of Electronic Submittal**

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

# PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

## PRINCIPAL

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

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Signature and Title)

## NOTARY FOR PRINCIPAL

\_\_\_\_\_  
(Date)

State of Wisconsin )  
 ) ss.  
\_\_\_\_\_ County )

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

\_\_\_\_\_  
(Signature, Notary Public, State of Wisconsin)

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

\_\_\_\_\_  
(Date Commission Expires)

**Notary Seal**

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

\_\_\_\_\_  
(Signature of Attorney-in-Fact)

## NOTARY FOR SURETY

\_\_\_\_\_  
(Date)

State of Wisconsin )  
 ) ss.  
\_\_\_\_\_ County )

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

\_\_\_\_\_  
(Signature, Notary Public, State of Wisconsin)

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

\_\_\_\_\_  
(Date Commission Expires)

**Notary Seal**

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

# CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

\_\_\_\_\_  
(Signature of Authorized Contractor Representative)

\_\_\_\_\_  
(Date)



## March 2010

## LIST OF SUBCONTRACTORS

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

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

[illegible]

**DECEMBER 2000**

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

Instructions for Certification

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



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

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

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

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

## Special Provisions

### Table of Contents

| Article | Description   | Page # |
|---------|---|--------|
| 1.      | General.....  | 4      |
| 2.      | Scope of Work.....  | 4      |
| 3.      | Prosecution and Progress.....   | 4      |
| 4.      | Traffic. ....   | 9      |
| 5.      | Holiday and Special Event Work Restrictions.....  | 9      |
| 6.      | Utilities.....  | 9      |
| 7.      | Other Contracts.....  | 13     |
| 8.      | Municipality Acceptance of Sanitary Sewer and Water Main Construction. ....   | 14     |
| 9.      | Referenced Construction Specifications. ....  | 14     |
| 10.     | Information to Bidders, WPDES General Construction Storm Water Discharge Permit. ....   | 14     |
| 11.     | Construction Over or Adjacent to Navigable Waters. ....   | 14     |
| 12.     | Notice to Contractor – Contamination Beyond Construction Limits.....  | 14     |
| 13.     | Notice to Contractor – Traffic Signal Equipment Lead Time.....  | 15     |
| 14.     | Archaeological Site Coordination. ....  | 15     |
| 15.     | Coordination with Businesses and Residents.....   | 15     |
| 16.     | Public Convenience and Safety. ....   | 16     |
| 17.     | Removing Monotube Concrete Bases, Item 204.9060.S.01.....   | 16     |
| 18.     | Removing Sanitary Sewer Manholes, Item 204.9060.S.02. ....  | 16     |
| 19.     | Removing Existing Traffic Signal W St Paul & Wisconsin, Item 204.9060.S.03; Removing Existing Traffic Signal W St Paul & Madison, Item 204.9060.S.04. ....  | 17     |
| 20.     | Removing Sanitary Sewer 6-inch, Item 204.9090.S.01; Removing Sanitary Sewer 8-inch, Item 204.9090.S.02; Removing Sanitary Sewer 10-inch, Item 204.9090.S.03; Removing Sanitary Sewer 24-inch, Item 204.9090.S.04..... | 18     |
| 21.     | Excavation, Hauling, and Disposal of Petroleum Contaminated Soil, Item 205.0501.S.....  | 18     |
| 22.     | Storm Catch Basins and Manholes.....  | 21     |
| 23.     | Adjusting Catch Basin Covers, Item 611.8105; Adjusting Manhole Covers, Item 611.8110. ....  | 21     |
| 24.     | Traffic Signals, General.....   | 22     |
| 25.     | Electrical Conduit. ....  | 23     |
| 26.     | Pull Boxes Steel (Size), Item 653.0135 and 653.0140. ....   | 23     |
| 27.     | Cable Traffic Signal 7-14 AWG.....  | 23     |
| 28.     | Electrical Service Meter Breaker Pedestal W St Paul & W North / Wisconsin, Item 656.0200.3001; Electrical Service Meter Breaker Pedestal W St Paul & Madison, Item 656.0200.3002. ....                                | 23     |
| 29.     | Traffic Signal Faces. ....  | 23     |
| 30.     | Pedestrian Signal Face 16-Inch. ....  | 24     |
| 31.     | Water Main, General. ....   | 24     |
| 32.     | Remove and Salvage Existing Street Lighting Unit, Item SPV.0060.01.....   | 26     |
| 33.     | Remove and Dispose of Existing Street Light Controller, Item SPV.0060.02. ....  | 26     |
| 34.     | Lighting Control Cabinet, Item SPV.0060.03. ....  | 26     |
| 35.     | Install City Furnished Pole & 8-Foot Arm LED Luminaire, Item SPV.0060.04. ....  | 27     |

|     |   |    |
|-----|---|----|
| 36. | Install City Furnished Post Top Pole LED Luminaire, Item SPV.0060.05. ....  | 27 |
| 37. | Install City-Furnished Street Light Luminaire on Traffic Signal, Item SPV.0060.06. ....   | 28 |
| 38. | Install Existing Fiber Optic Communications Conduit into New Pull Box, Item SPV.0060.07. ....   | 28 |
| 39. | Communications Vault 24x36, Item SPV.0060.08. ....  | 29 |
| 40. | Traffic Signal Controller Programming W St Paul Ave & Wisconsin Ave, Item SPV.0060.09;<br>Traffic Signal Controller Programming W St Paul Ave & Madison St, Item SPV.0060.10. ....  | 29 |
| 41. | Abandoning Sanitary Sewer Manholes, Item SPV.0060.11. ....  | 30 |
| 42. | Adjusting Sanitary Sewer Manholes, Item SPV.0060.12. ....   | 30 |
| 43. | Sanitary Manhole 48-inch, Item SPV.0060.13; Sanitary Manhole 72-inch, Item SPV.0060.14. ....  | 31 |
| 44. | Televise Sanitary Sewer Lateral, Item SPV.0060.15. ....   | 31 |
| 45. | Construction Staking Sanitary Sewer, Item SPV.0060.16. ....   | 31 |
| 46. | Construction Staking Fiber Optic, Item SPV.0060.17. ....  | 32 |
| 47. | Install Manhole Covers, Item SPV.0060.18. ....  | 32 |
| 48. | Install Inlet Covers, Item SPV.0060.19. ....  | 33 |
| 49. | Furnish and Install Gate Valve and Valve Box 8-inch, Item SPV.0060.23; Furnish and Install Gate<br>Valve and Valve Box 12-inch, Item SPV.0060.24; Furnish and Install Butterfly Valve and Valve<br>Box 16-inch, Item SPV.0060.25. ....  | 34 |
| 50. | Reconnect 3/4-inch Copper Water Service Type SL1, Item SPV.0060.26. ....  | 34 |
| 51. | Reconnect 4-inch Water Service Type SL2, Item SPV.0060.27. ....   | 35 |
| 52. | Reconnect 6-inch Water Service Type SL3, Item SPV.0060.28. ....   | 35 |
| 53. | Reconnect 6-inch Water Service Type SL4, Item SPV.0060.29. ....   | 36 |
| 54. | Reconnect 8-inch Water Service Type SL5, Item SPV.0060.30. ....   | 36 |
| 55. | Reconnect 1-inch Copper Water Service Type SL6, Item SPV.0060.31. ....  | 37 |
| 56. | Hydrant Assembly, Item SPV.0060.32. ....  | 37 |
| 57. | Abandon Hydrant, Item SPV.0060.33. ....   | 38 |
| 58. | Abandon Valve Boxes and Manholes, Item SPV.0060.34. ....  | 38 |
| 59. | Remove and Replace Fiber Optic Cable W St Paul Ave & N Prairie Ave, Item SPV.0060.35;<br>Remove and Replace Fiber Optic Cable W North St & Madison /Delafield St, Item SPV.0060.36;<br>Remove and Replace Fiber Optic Cable E St Paul Ave & NW Barstow St, Item SPV.0060.37. .... | 38 |
| 60. | Furnish and Install Traffic Signal Controller and Cabinet W St Paul Ave & Wisconsin Ave, Item<br>SPV.0060.38; Furnish and Install Traffic Signal Controller and Cabinet W St Paul Ave & Madison<br>St, Item SPV.0060.39. ....   | 39 |
| 61. | Furnish and Install Audible Pedestrian Push Button System W St Paul Ave & Wisconsin Ave, Item<br>SPV.0060.40; Furnish and Install Audible Pedestrian Push Button System W St Paul Ave &<br>Madison St, Item SPV.0060.41. ....   | 55 |
| 62. | Furnish and Install Emergency Vehicle Preemption System W St Paul Ave & Wisconsin Ave, Item<br>SPV.0060.42; Furnish and Install Emergency Vehicle Preemption System W St Paul Ave &<br>Madison St, Item SPV.0060.43. ....   | 57 |
| 63. | Relocate Existing Wireless Communications Antenna, Item SPV.0060.44. ....   | 58 |
| 64. | Furnish and Install Vehicle Video Detection System W St Paul Ave & Wisconsin Ave, Item<br>SPV.0060.45; Furnish and Install Vehicle Video Detection System W St Paul Ave & Madison St.,<br>Item SPV.0060.46. ....  | 58 |
| 65. | Temporary Street Lighting, Item SPV.0060.47. ....   | 64 |
| 66. | Remove and Dispose of Existing Wire and Abandon Conduit in Place, Item SPV.0090.01. ....  | 65 |
| 67. | Abandoning Storm Sewer, Item SPV.0090.02. ....  | 65 |

|     |   |    |
|-----|---|----|
| 68. | Abandoning Sanitary Sewer Pipe, Item SPV.0090.03.....   | 66 |
| 69. | CIPP Sanitary Sewer Pipe 8-inch, Item SPV.0090.04; CIPP Sanitary Sewer Pipe 10-inch, Item SPV.0090.05; CIPP Sanitary Sewer Pipe 18-inch, Item SPV.0090.06; CIPP Sanitary Sewer Pipe 24-inch, Item SPV.0090.07; CIPP Sanitary Sewer Pipe 42-inch, Item SPV.0090.08; CIPP Sanitary Sewer Pipe 48-inch, Item SPV.0090.09. .... | 66 |
| 70. | PVC Sanitary Sewer Pipe 8-inch, Item SPV.0090.10; PVC Sanitary Sewer Pipe 10-inch, Item SPV.0090.11. ....   | 67 |
| 71. | Sanitary Sewer Lateral Replacement 6-inch, Item SPV.0090.12. ....   | 67 |
| 72. | Furnish and Install Water Main and Fittings 8-inch, Item SPV.0090.13; Furnish and Install Water Main and Fittings 12-inch, Item SPV.0090.14; Furnish and Install Water Main and Fittings 16-inch Class 52, Item SPV.0090.15. ....   | 68 |
| 73. | Clean and Televiser Sanitary Sewer, Item SPV.0090.16; Clean and Televiser Storm Sewer, Item SPV.0090.17. ....   | 68 |
| 74. | Construction Staking Water Main, Item SPV.0090.18. ....   | 69 |
| 75. | Conduit HDPE 1-Duct 3-Inch, Item SPV.0090.19.....   | 69 |

**SPECIAL PROVISIONS**

**1. General.**

Perform the work under this construction contract for Project 2718-04-71, W. St Paul Avenue, Mountain Ave to Madison St, Loc Str, Waukesha County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2021 Edition, as published by the department, and these special provisions.

If all or a portion of the plans and special provisions are developed in the SI metric system and the schedule of prices is developed in the US standard measure system, the department will pay for the work as bid in the US standard system.

100-005 (20210708)

**2. Scope of Work.**

The work under this contract shall consist of removals, grading, dense graded base, concrete pavement, concrete curb and gutter, concrete sidewalk, HMA pavement, storm sewer, sanitary sewer, water main, erosion control, permanent signing, traffic signals, traffic control, pavement marking, street lighting, restoration, and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

**3. Prosecution and Progress.**

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

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

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

The Notice to Proceed will be issued such that work shall start no later than March 28, 2022, unless otherwise approved by the engineer.

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.

Be advised that there may be multiple mobilizations and/or remobilizations to complete construction operations, for example such items as: grading, concrete pavement repair/replacement, paving, traffic control, signing, temporary and permanent pavement marking, finishing items and other incidental items. No additional payment will be made, by the department, for additional mobilizations.

Place topsoil in all graded areas as designated by the engineer immediately after grading has been completed. Fertilize and sod all areas within five calendar days after placement of topsoil.

**Construction Staging**

The intent of staging and sequencing is as follows. Do not move to the next stage until all work in the current stage is completed or as approved by engineer.

Develop the schedule of operations to conform to the construction staging as described in the plans unless modifications of the plans are approved in writing by the engineer.

Submit any traffic control change request to the engineer at least 72 hours prior to an actual traffic control change. A request does not constitute approval.

### Stage 1

Stage 1 activities are primarily for St Paul Avenue between Wisconsin Avenue and Madison Street. Stage 1 construction activities may be concurrent with other stages.

#### Stage 1A

Close St Paul Avenue between Wisconsin Avenue and Madison Street for a maximum of 14 calendar days for necessary sanitary and watermain construction. Maintain traffic movements east and west of the closed segment of St Paul Avenue.

Maintain a minimum of a 12-foot paved surface along St Paul Avenue at all times for access to driveways between Wisconsin Avenue and Madison Street. Coordinate needed access with individual property owners. Maintain access to and from Fuller Street for alternative access to driveways during closure of St Paul Avenue.

#### Stage 1B

Construct storm sewer, roadway, and concrete paving of the westbound lanes of St Paul Avenue between Wisconsin Avenue and Madison Street.

Open St Paul Avenue to a minimum of one 12-foot paved lane for eastbound traffic along St Paul Avenue at all times. Provide one-way eastbound access to and from driveways. Coordinate needed access with individual property owners.

Maintain a pedestrian walkway on a paved surface from the intersection of North Street and St Paul Avenue to the first driveway at 310 West St Paul Avenue (Station 108+00 LT) until the time when sidewalk is open along St Paul Avenue from Fuller Street through the driveway at Station 110+25 LT.

#### Stage 1C

Construct storm sewer, roadway, and concrete paving of the eastbound lanes St Paul Avenue and left turn lanes between Wisconsin Avenue and Madison Street. Close and construct Fuller Street.

Open St Paul Avenue to a minimum of one 12-foot paved lane for eastbound traffic using the new constructed pavement along St Paul Avenue. Provide one-way eastbound access to and from driveways. Coordinate needed access with individual property owners.

Open sidewalk along the north side of St Paul Avenue.

Maintain the Mill Reserve Drive approach to Wisconsin Avenue during this stage. Minimize closure of Mill Reserve Drive approach to St Paul Avenue (Station 110+55 RT).

### Stage 2 – Madison Street area

Stage 2 activities are for work along Madison Street and on East St Paul Avenue. This stage is expected to start when the Madison Street bridge is closed for construction under WisDOT Project 2718-19-70. Coordinate necessary work zone signing and access requirements with this project.

#### Stage 2A

Remove traffic signals at the Madison intersection and install all-way stop control. Construct watermain and sanitary sewer along Madison Street and East St Paul Avenue.

Close Madison Street between North Street and Clinton Street. Maintain 2-way local access within the work zone.

Close westbound East St Paul Avenue at Brook Street. Maintain eastbound traffic on East St Paul Avenue on a minimum of one 12-foot paved lane through the work zone. Maintain access to driveways outside of the immediate work zone.

### Stage 2B

Construct Madison Street east of St Paul Avenue. Construct the westbound lanes of Madison Street between St Paul Avenue and Ann Street. Construct the westbound lane of East St Paul Avenue and the NW quadrant of the Madison Street intersection.

Maintain eastbound traffic on East St Paul Avenue on a minimum of one 12-foot paved lane through the work zone. Maintain access to Ann Street to and from the west at all times on a paved surface.

Maintain driveway access to the large parking lot in the SE corner of West St Paul Avenue and Madison Street from West St Paul Avenue. Maintain a paved pedestrian crossing of Madison Street at the intersection to provide access between the parking lot and the Waukesha State Bank building (NE corner of intersection).

Maintain full access to the Waukesha State Bank driveway on East St Paul Avenue (Station 122+65). Close all other driveways within Stage 2B construction limits. Coordinate any needed access for deliveries or garbage collection with individual property owners.

### Stage 2C

Construct the eastbound lanes of Madison Street between Ann Street and St Paul Avenue. Construct the Ann Street approach.

Maintain eastbound traffic on East St Paul Avenue on a minimum of one 12-foot paved lane through the work zone. Maintain 2-way local access on Madison Street.

Maintain driveway access to the large parking lot in the SE corner of West St Paul Avenue and Madison Street from Madison Street.

Maintain a one-way exit out of the Waukesha State Bank driveway onto East St Paul Avenue (Station 122+65). Close all other driveways within the construction limits.

### Stage 2D

Construct the East St Paul Avenue eastbound lane, shoulder, curb and gutter, and left turn lanes at the Madison Street intersection.

Maintain eastbound traffic on East St Paul Avenue on new pavements constructed in Stage 2B and 2C. Maintain 2-way local access on Madison Street west of St Paul Avenue.

Maintain a gap for access to Madison Street east of St Paul Avenue, or provide access to Madison Street east of St Paul Avenue from the east if the Madison Street bridge can be back open.

Maintain driveway access to the large parking lot in the SE corner of West St Paul Avenue and Madison Street from Madison Street.

Maintain a one-way exit out of the Waukesha State Bank driveway onto East St Paul Avenue (Station 122+65). Close all other driveways within the construction limits.

At the conclusion of Stage 2D, open Madison Street and East St Paul Avenue to through traffic. Complete incidental construction using single lane closures or shoulder closures following standard detail drawings. Maintain all-way stop control at St Paul Avenue and Madison Street until new traffic signals are operational at the intersection.

### Stage 3 – North Street and Wisconsin Avenue area

Stage 3 activities are primarily underground utility and storm sewer work and removals on St Paul Avenue west of Wisconsin Avenue, North Street, and Wisconsin Avenue.

Maintain eastbound and westbound St Paul Avenue west of Wisconsin Avenue at all times. Close North Street to one southeast bound lane approaching the project limits. Maintain eastbound and westbound traffic on Wisconsin Avenue within the project limits.

Maintain a minimum of one 12-foot paved lane eastbound, east of Wisconsin Avenue along St Paul Avenue at all times. Close Riverwalk Drive at the project limits. Close Mill Reserve Drive approach to Wisconsin Avenue.

### Stage 3A

Remove traffic signals at the Wisconsin Avenue intersection and install all-way stop control. Remove existing raised islands and pave with temporary asphalt to provide traffic movements in subsequent stages.

### Stage 3B and 3C

Construct utility and storm sewer work with necessary lane closures on St Paul Avenue, North Street, and Wisconsin Avenue. Daytime temporary flagging operations may be allowed as approved by the engineer. Provide any temporary connections needed for storm sewers until permanent connections are made.

Pave construction trenches with temporary asphalt to provide a paved surface for traffic movements in future stages.

### Stage 4 – North Street and Wisconsin Avenue area

Stage 4 work is for roadway construction and concrete paving on St Paul Avenue west of Wisconsin Avenue, North Street, and Wisconsin Avenue.

Maintain two-way traffic on St Paul Avenue and Wisconsin Avenue. Maintain one-way southeast bound traffic on North Street at all times. Maintain a minimum of one 12-foot paved lane eastbound, east of Wisconsin Avenue along St Paul Avenue at all times.

### Stage 4A

Construct the St Paul Avenue eastbound through lane and eastbound right turn lane west of Wisconsin Avenue. Do not construct the curb and gutter between Station 102+00 and 103+75. Construct temporary asphalt widening to maintain two-way traffic in Stage 4B.

Construct Wisconsin Avenue eastbound lanes, auxiliary lanes, and westbound left turn lane. Construct pavement within the intersection to accommodate traffic in subsequent stages.

Maintain pedestrian access using existing sidewalks outside of the Stage 4A work zone. Provide a pedestrian crossing of St Paul Avenue on the east side of the intersection.

### Stage 4B

Construct the North Street southbound outside lane and curb and gutter, and the NW quadrant of the intersection with St Paul Avenue.

Provide a pedestrian crossing of St Paul Avenue on the east side of the intersection.

### Stage 4C

Construct the St Paul Avenue westbound lane, auxiliary lane, curb and gutter, and eastbound left turn lane west of North Street. Construct the Mountain Avenue approach. Close Mountain Avenue during this stage. Construct the remaining North Street lanes, curb and gutter, and sidewalk, and the NE quadrant of the St Paul intersection.

Provide a pedestrian crossing of St Paul Avenue on the west side of the intersection on new pavement.

### Stage 4D

Construct any remaining North Street and Wisconsin Avenue lanes, curb and gutter, and sidewalk. Remove temporary pavement and construct remaining curb and gutter on St Paul Avenue west of Wisconsin Avenue.

At the conclusion of Stage 4D, open all roadways to through traffic. Complete incidental construction using single lane closures or shoulder closures following standard detail drawings. Maintain all-way stop control at St Paul Avenue and Wisconsin Avenue until new traffic signals are operational.



## Sidewalk Closure Restrictions

Maintain existing pedestrian access during the project. Any temporary pedestrian access and crossings must be ADA compliant on a hard surface and follow applicable details as show in Standard Detail Drawing 15d30 Traffic Control, Pedestrian Accommodation.

If during construction any existing sidewalk is removed on a pedestrian route that needs to be maintained, construct a hard surface with temporary asphalt before opening to pedestrian traffic. Base aggregate dense is not considered a hard surface and will not fulfill this requirement.

Place pedestrian safety fence along sidewalks directly adjacent to the work zone, as shown on the plans, directed by the engineer, or to accommodate the contractor's operations to prevent pedestrians from entering the work site.

## General

Provide the City of Waukesha Metro coordinator Brian Engelking, (262) 524-3634 and First Student Location Manager Joni Sablich, (262) 524-0667 with a schedule of any closures that effect any bus route and/or stop 7 calendar days prior to the closure or traffic control change.

Comply with all local ordinances that apply to local street work operations, including those pertaining to work during late night or early morning hours. Furnish any ordinance variance issued by the municipality or required permits to the engineer in writing 3 business days prior to performing such work.

Inform the engineer, property owners and tenants at least 48 hours prior to removing their driveway approach. Schedule sidewalk and driveway approach removal and replacement so that the time lapse between removal and replacement is minimal.

Do not close residential approaches or remove from service without giving sufficient notice to the occupants of the premises to remove their vehicles prior to driveway removal or closing of the driveway approach access. If necessary, make other access arrangements agreed to in writing and signed by the contractor and the property owner serviced by the driveway. Obtain approval from the engineer prior to alternating construction sequencing.

Contractor shall coordinate with Waste Management and the City of Waukesha to allow continuous garbage service pick-up during the project

Once the initial setup of traffic control devices has been completed, and the roadway is closed to through traffic, the maintenance of the work zone shall be the responsibility of the contractor. The contractor shall be responsible for maintaining a fully passible roadway for property access and emergency vehicles. The contractor shall be responsible for snow/ice removal and any other maintenance activity to allow for this access.

Existing street trees that are to be saved may be very close to the excavation limits. The contractor will be required to protect these trees from damage during construction.

The contractor shall schedule an on-site meeting with the City Forester **prior** to all the below activities:

- Water service excavation within the drip line of an existing tree to remain.
- Removal of sidewalk adjacent to existing tree to remain.
- Base course placement for curb and gutter, or concrete sidewalk adjacent to existing tree to remain.
- Terrace cutdowns/grading work adjacent to existing tree to remain.

Any damage occurring to the street trees prior to, or without completing the on-site meetings as required above with the City Forester, will be the responsibility of the contractor, and at the sole discretion of the City Forester. The stockpiling or leaning of materials against any tree is prohibited. The pruning of overhead limbs or branches to accommodate construction or construction equipment is prohibited. If a branch is broken by the contractor, the contractor must immediately contact the City Forester. Any damage to tree branches or roots, as determined by the City Forester that causes pruning or removal of the tree will be charged to the contractor.

#### **4. Traffic.**

##### **Access during construction**

Provide access to the following throughout construction as follows:

Maintain access to two of the 5 door bays of Waukesha Fire Department Station 1 on a paved surface at all times. Provide unimpeded access for fire department vehicles at all times through the work zone. The typical route for emergency calls is eastbound on St Paul Avenue, then continue east or turn left to go west on Madison Street. Emergency calls may also use Ann Street and turn left or right onto Madison Street.

Maintain access to one of the two driveways to 310 West St Paul Avenue at all times (NE corner of North Street and West St Paul Avenue).

Maintain minimum 11-foot wide lanes for roadways open to through traffic unless stated otherwise in these provisions or as directed by the engineer.

Coordinate with City of Waukesha Public Works and emergency medical services of open routes within the construction area to provide emergency services. Allow emergency vehicles access at all times during construction.

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

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying W. St Paul Avenue, Wisconsin Avenue, North Street, Fuller Street, and Madison Street traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday and special event periods:

- From noon Friday, May 27, 2022 to 6:00 AM Tuesday, May 31, 2022 for Memorial Day;
- From noon Friday, July 1, 2022 to 6:00 AM Tuesday, July 5, 2022 for Independence Day;
- From noon Friday, September 2, 2022 to 6:00 AM Tuesday, September 6, 2022 for Labor Day.

stp-107-005 (20210113)

#### **6. Utilities.**

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

stp-107-066 (20080501)

Underground and overhead utility facilities are located within the project limits. Utility adjustments are required for this construction project. Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per state statute. Use caution to ensure the integrity of underground facilities and maintain code clearance from overhead facilities at all times.

Contact utility companies listed in the plans prior to preparing bids to obtain current information on existing utility locations and the status of any new utility relocation work.

Utility companies will be performing utility work and adjustments within the limits and during the life of the project. The contractor shall cooperate and coordinate construction activities with these companies.

There may be discontinued utility facilities within the project limits. If a conflict with a discontinued utility facility is encountered, contact the appropriate utility owner/representative to coordinate construction activities and proper removal and disposal of said facility as necessary.

Additional information regarding recently relocated utility facilities may be available on permits issued to the utility companies. These permits can be viewed at the Region Office during normal working hours. Contact WisDOT SE Region Utility Coordinator, Denise Rosenthal at (262) 548-8733 for further information.

Some utility work, as described below, is dependent on prior work being performed by the contractor at a specific site. Provide the engineer and the affected utility a good faith notice of when the utility is to start work at the site. Notice shall be given 14 to 16 calendar days in advance of when the site will be available to the utility. Follow up with a confirmation notice to the engineer and the utility not less than 3 working days before the site will be ready for the utility to begin its work.

Known utilities in the projects are as follows:

**AT&T** has existing underground facilities within the project limits in the following locations:

- Underground facilities crossing St Paul Avenue from approximately station 103+00 to 104+00. These lines will be relocated during construction. This work will take approximately 5 working days after the lines have been exposed.
- Underground facilities along St Paul Avenue from approximately station 119+00 to station 121+00. Relocation is not anticipated with this facility.
- An aerial facility runs along St Paul Avenue from the Western project limits to approximately station 116+00. This line will be relocated within 60 working days after WE Energies complete placing ducts for AT&T.

Contact Bob Kosanke at (414) 257-0206 of AT&T to coordinate locations, schedule work, and any excavation near their facilities.

**City of Waukesha Fiber** has existing aerial facilities within the project limits in the following locations:

- An underground facility from the Westerly project limits to Wisconsin Avenue in the terrace on the south side of the road
- An aerial facility runs from approximately 110+25 to approximately 114+00 along W. St Paul Avenue on the south side of the road. This line will be relocated joint trench with WE Energies Electric on the South side of the road. This line will be relocated within 10 working days after WE Energies complete placing ducts for the City of Waukesha.

Contractor shall construct fiber optic conduit as shown in the plans and in the bid items for this project.

Contact Jeff Hernke at (262) 524-3592 office, (262) 336-5742 cell, of the City of Waukesha to coordinate locations and any excavation near their facilities.

**City of Waukesha Sanitary Sewer** has existing underground sewer facilities within the project limits in the following locations:

- An underground sanitary sewer beginning beyond the Westerly project limits and running NE along the Centerline of W. St Paul Avenue. This line will be lined from approximately 100+60 to 106+75, discontinued from 106+75 to 119+25, and lined from 119+25 to 121+25.
- Beginning at approximately 106+75 a secondary sewer line begins approximately 10' South of the line on the Centerline. This line will remain in place. This sanitary sewer line will be lined from 106+75 to 119+25. New manholes will be placed, or existing manholes will be adjusted.
- An underground sanitary sewer on Wisconsin Avenue begins at W. St Paul Avenue and runs South into Grede Park. This line will remain in place.
- An underground sanitary sewer on Fuller Street begins at W. St Paul Avenue and runs NW to W. North Street. This line will remain in place.
- An underground sanitary sewer on Madison Street begins at B-67-0099 and runs NW to Delafield Street. The sanitary sewer will be relayed from approximately 600+50 to 602+80. The remaining sewer will remain in place.

Contractor is to construct the sanitary sewer as shown in the plans and in the bid items for this.

Contact Chris Langemak at (262) 524-3598 office, (262) 349-6512 cell, or Jonathan Schapekahm at (262) 524-3584 office, (262) 804-7383 cell, of the City of Waukesha to coordinate locations and any excavation near their facilities.

**City of Waukesha Street Lighting** has existing underground facilities within the project limits in the following locations:

- An underground facility runs from the Western project limits along the North side of W. St Paul Avenue to Fuller Street.
- An underground facility runs on the West side of Wisconsin Avenue from W. St Paul Avenue to the Madison Street bridge.
- An underground facility runs on the West side of W. North Street from W. St Paul Avenue to the project limits.
- An underground facility runs on the West side of Fuller Street from W. St Paul Avenue to Ann Street.
- An underground facility run on the East and West side of Madison Street from the Madison Street Bridge to Ann St.

Contractor is to construct street lighting as shown in the plans and in the bid items for this project.

Contact Jeff Hernke at (262) 524-3592 office, (262) 336-5742 cell, of the City of Waukesha to coordinate locations and any excavation near their facilities.

**Spectrum** has existing underground facilities within the project limits in the following locations:

- An aerial facility runs from the Western project limits along the South side of W. St Paul Avenue to the Easterly project limits. At approximately station 116+10 the facility crosses the road on the North side of W. St Paul Avenue and continues to the end of the project limits. This facility will be buried on the South side of W. St Paul Avenue throughout the entire project.
- An aerial facility runs along Madison Street starting at the intersection of W. St Paul Avenue to the Northern project limit. This facility will be partially consolidated with the buried facility along W. St Paul Avenue. There will be one underground crossing at approximately 604+00. This line will continue North in the Western terrace to Ann Street.
- An underground facility at approximately station 121+68 at a depth of 24". Spectrum will lower in place after the road is removed and prior to subgrade improvements. Please contact Spectrum 7 days in advance.

Spectrum Communications work will be joint trench with WE Energies Electric. The work is expected to be completed within 60 day of completing the installation of the conduit.

Contact Neal Long at (414) 430-7189 of Spectrum Communications to coordinate locations and any excavation near their facilities.

**Waukesha Water Utility** has existing underground facilities within the project limits in the following locations:

- An underground facility runs from the Western project limits along the North side of W. St Paul Avenue to Madison Street. At Madison St the facility crosses to the south side of the roadway to the Easterly project limits.
- An underground facility runs from the Western project limits on the South side of Mountain Avenue to W. St Paul Avenue.
- An underground facility run from St Paul Avenue to the northern project limits on W. North Street.
- An underground facility runs from St Paul Avenue to the northern project limits on the West side of Fuller Street.
- An underground facility runs from the Western project limits to the Eastern project limits on the North side of Madison Street.

Contractor is to construct street lighting as shown in the plans and in the bid items for this project.

Contact Chris Walter at (262) 409-4460 office, (262) 901-5886 cell, of the Waukesha Water Utility to coordinate locations and any excavation near their facilities.

**WE Energies Electric** has existing aerial and underground facilities within the project limits in the following locations:

- An aerial facility runs from the Western project limits along the South side of W. St Paul Avenue to the Easterly project limits. At approximately Station 116+10 the facility crosses the road on the North side of W. St Paul Avenue and continues to the end of the project limits. This facility will be buried on the South side of W. St Paul Avenue throughout the entire project.
- An aerial facility runs along Madison Street starting at the intersection of W. St Paul Avenue to the Northern project limit. This facility will be partially consolidated with the buried facility along W. St Paul Avenue. There will be one underground crossing at approximately 604+00. This line will continue North in the Western terrace to Ann Street.
- Existing underground facility crossings at approximately Station 104+60, 107+96, and 122+52. These lines will remain in place.

WE Electric is expecting 120 working days with completion by June 1, 2022. After all underbuilds have been relocated from the poles, all poles will be removed within 10 working days.

Relocation of facilities is contingent on approvals of work plans and permits. It is imperative that the contractor contact WE Energies prior to removing any electrical underground cables to verify that they have been discontinued. The contractor must not assume that unmarked facilities have been discontinued. At no time is it acceptable to push, pull, cut, or drill an unmarked facility without consent from WE Energies. Contractor shall call WE Energies 24-hour dispatch lines to arrange for this verification.

We Energies Electric Dispatch, 1 (800) 662-4797

Contact Steve King at (262) 968-5768 of WE Energies to coordinate locations and any excavation near their facilities.

**WE Energies Gas** has existing underground facilities within the project limits in the following locations:

- An underground facility runs from the Western project limits along the South side of W. St Paul Avenue to the Easterly project limits. This facility will be reconstructed prior to construction. The proposed gas main will be in the following locations:
  - At the Western project limits the gas main will remain on the Southern side of the road to approximately Station 107+00.
  - From approximately station 107+00 to approximately Station 115+40 the facility will be on the North side of the road approximately 2' off the existing curb line.
  - From approximately station 115+40 to approximately Station 119+40 the facility will be under the existing sidewalk.
  - From 119+40 to the Western project limits will be on the South side of the roadway.
- An underground facility runs from B-67-0099 to the Northern project limits on the West side of Madison Street. After the relocation the gas main will be in the following locations.
  - The facility from B-67-0099 to approximately Station 603+75 the gas main will be discontinued in place. The gas main to the north will remain in place.

WE Gas is expecting 60 working days with completion by April 1, 2022. Relocation of facilities is contingent on approvals of work plans and permits. It is imperative that the contractor contact WE Energies prior to removing any gas facilities to verify that they have been discontinued and carry no natural gas. The contractor must not assume that unmarked facilities have been discontinued. At no time is it acceptable to push, pull, cut, or drill an unmarked facility without consent from WE Energies. Contractor shall call WE Energies 24-hour dispatch lines to arrange for this verification.

We Energies Gas Dispatch, 1 (800) 261-5325

Contact Steve Schecher at (262) 968-5768 of WE Energies to coordinate locations and any excavation near their facilities.

**Windstream** has existing underground facilities within the project limits in the following locations:

- An aerial facility runs from the Western project limits along the South side of W. St Paul Avenue to the Easterly project limits. At approximately Station 116+10 the facility crosses the road on the North side of W. St Paul Avenue and continues to the end of the project limits.
- An aerial facility runs along Madison Street starting at the intersection of W. St Paul Avenue to the Northern project limit.
- An underground facility along Madison Street from St Paul Avenue to Madison Street. This line is planned to remain in place.

Windstream is proposing to relocate their facility under the sidewalk on the North side of St Paul Avenue from the Western project limits to Fuller Street. The facility will follow Fuller street to North Street. This work will be completed prior to construction. Construction is expected to begin mid-December and take 120 days to construct.

Contact Lori Ketter at (414) 274-9215 of Windstream to coordinate locations and any excavation near their facilities.

## **Other Work**

**City of Waukesha Storm Sewer** has existing underground sewer facilities within the project limits in the following locations:

- An underground storm sewer beginning at the westerly project limits running NE to approximately Station 103+70. This main continues into Grede Park. This storm sewer is planned to be reconstructed with the project to MH 1579
- An underground storm sewer beginning at approximately station 108+95 running NE to approximately Station 113+70 under the southern curb line. This line is to be discontinued. This storm sewer will be reconstructed with the project.
- An underground storm sewer beginning at approximately Station 108+95 running NE to approximately Station 117+00 under the northern curb line. This line is to be discontinued. This storm sewer will be reconstructed with the project.
- An underground storm sewer beginning at B-67-0099 running North on both the East and West side of Madison St to the Northern project limits. This storm sewer will be reconstructed with the project.
- An underground storm sewer beginning on Wisconsin Ave at approximately Station 304+00 and runs to the northern project limits on North Street. This storm sewer will be reconstructed with the project.

Contractor is to construct street lighting as shown in the plans and in the bid items for this project.

Contact Chris Langemak at (262) 524-3598 office, (262) 349-6512 cell, or Jonathan Schapekahm at (262) 524-3584 office, (262) 804-7383 cell, of the City of Waukesha to coordinate locations and any excavation near their facilities.

## **7. Other Contracts.**

Coordinate your work according to standard spec 105.5.

Modifications to the traffic control plan may be required by the engineer to be safe and consistent with the adjacent work by others.

The following projects may be under construction concurrently with the work under this contract.

Coordinate activities, detours, work zone traffic control, roadway and lane closures, and other work items as required with other contracts.

### **Project: 2718-19-70**

Madison Street Bridge over Fox River B-67-0099

WisDOT contact: Phil Ciha, (414) 750-1951

City of Waukesha Contact: Craig Ausen, P.E., (262) 349-6516

## **Mandel Development**

Residential development from approx. Station 110+75 RT to Station 115+35 RT

Provide continual access for construction traffic to site.

Construction management contact: John Foss, (414) 416-0150, [jfoss@peridotcm.com](mailto:jfoss@peridotcm.com)

Construction management contact: Tom Calouette, (262) 770-1496, [tcoulette@peridotcm.com](mailto:tcoulette@peridotcm.com)

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

The department, City of Waukesha, and Waukesha Water Utility personnel will inspect construction of sanitary sewer and water main under this contract. However, acceptance of the sanitary sewer and water main construction will be by the City of Waukesha and Waukesha Water Utility.

stp-105-001 (20140630)

### **9. Referenced Construction Specifications.**

Construct the work enumerated below conforming to the City of Waukesha Standard Construction Specifications – 2020 Edition and the Specifications for Water Main & Service Lateral Materials and Installation of Water Main & Appurtenances for Waukesha Water Utility of the City of Waukesha dated November 21, 2019. If there is a discrepancy or conflict between the referenced specification and the standard specifications regarding contract administration, part 1 of the standard specifications governs.

Conform to the referenced construction specifications for the following:

- Sanitary Sewer

- Street Lighting

- Fiber Optic

- Storm Sewer

- Water Main

stp-105-002 (20130615)

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

The department has obtained coverage through the Wisconsin Department of Natural Resources to discharge storm water associated with land disturbing construction activities of this contract under the Wisconsin Pollutant Discharge Elimination System General Construction Storm Water Discharge Permit (WPDES Permit No. WI-S066796-1). A certificate of permit coverage is available from the regional office by contacting Kathleen Kramer at (262) 548-8772. Post the permit in a conspicuous place at the construction site.

stp-107-056 (20180628)

### **11. Construction Over or Adjacent to Navigable Waters.**

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

stp-107-060 (20171130)

### **12. Notice to Contractor – Contamination Beyond Construction Limits.**

A review of available records and testing results for properties adjacent to the project indicated that contaminated soil is present at the following sites:

- Site 3. Station 110+50 to 111+70 beyond the project limits left.
- Site 5. Station 112+10 to 112+60 beyond the project limits left.
- Site 7. Station 114+00 to 117+00 beyond the project limits left.
- Site 8. Station 117+00 to 119+75 beyond the project limits left and Station 603+25 to 604+75 beyond the project limits left.
- Site 9. Station 115+25 to 120+00 beyond the project limits right and Station 601+00 to 602+75 beyond the project limits left.
- Site 10. Station 604+00 to 604+50 beyond the project limits right.
- Site 11. Station 604+00 to 605+60 beyond the project limits right.

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

The Hazardous Materials Reports (Phase 1 Hazardous Materials Assessment, Phase 2/2.5 Subsurface Investigation) are available by contacting: Mr. Craig Ausen, City of Waukesha – Engineering Division, (262) 524-3589.

stp-107-100 (20050901)

### **13. Notice to Contractor – Traffic Signal Equipment Lead Time.**

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

### **14. Archaeological Site Coordination.**

The Tribal Historic Preservation Office requests an archaeological monitor to be present for the installation of the proposed new watermain, the storm sewer, and sanitary sewer improvements. In the event that human remains, or archaeological materials are exposed during the project activities work must halt and the project manager must contact the FCPC THPO for further consultation prior to removal of the find. The contractor shall contact the Bureau of Technical Services – Environmental Process and Document Section (BTS-EPDS) at (608) 266-0099 a minimum of a two week prior to the work.

### **15. Coordination with Businesses and Residents.**

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

stp-108-060 (20141107)



**16. Public Convenience and Safety.**

*Revise standard spec 107.8(6) as follows:*

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

stp-107-001 (20060512)

**17. Removing Monotube Concrete Bases, Item 204.9060.S.01.**

**A Description**

This special provision describes removing and disposing of existing monotube traffic signal concrete bases conforming to standard spec 204.

**B (Vacant)**

**C Construction**

Construction shall be according to standard spec 204.3.

At all locations at the W. St. Paul Ave & Madison Street traffic signal, all existing monotube bases are expected to interfere with the construction of new monotube and the entire existing monotube concrete bases shall be removed per standard spec 204.3.

**D Measurement**

The department will measure Removing Monotube Concrete Bases by each unit, acceptably completed.

**E Payment**

*Add the following to standard spec 204.5:*

| ITEM NUMBER   | DESCRIPTION                      | UNIT |
|---------------|----------------------------------|------|
| 204.9060.S.01 | Removing Monotube Concrete Bases | EACH |

stp-204-025 (20150630)

**18. Removing Sanitary Sewer Manholes, Item 204.9060.S.02.**

**A Description**

This special provision describes removing sanitary sewer manholes conforming to standard spec 204 and City of Waukesha Standard Construction Specifications for Remove Sewer Manhole.

**B (Vacant)**

**C Construction**

Sanitary sewer manholes shall be removed in accordance with standard spec 204 and City of Waukesha Standard Construction Specifications for Remove Sewer Manhole. Old covers and frames shall be returned to the City of Waukesha Municipal Garage at 300 Sentry Drive Municipal Garage. Contact Joe Baginski, (262) 524-3615, to make arrangements.

**D Measurement**

The department will measure Removing Sanitary Sewer Manholes by each unit, acceptably completed.

**E Payment**

*Add the following to standard spec 204.5:*

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

stp-204-025 (20150630)

**19. Removing Existing Traffic Signal W St Paul & Wisconsin, Item 204.9060.S.03;  
Removing Existing Traffic Signal W St Paul & Madison, Item 204.9060.S.04.**

**A Description**

This special provision describes removing existing traffic signals conforming to standard spec 204 and as hereinafter provided. Specific removal items are noted in the plans.

**B (Vacant)**

**C Construction**

All existing equipment shall remain in operation during the construction of the new equipment. The existing signal equipment shall only be de-energized when the new equipment is energized and fully operational. The de-energizing and removal of the existing equipment may only take place after receiving the approval from the engineer. The existing equipment shall be removed the same day as to not obstruct the newly operating equipment.

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

Each traffic signal has existing fiber optic interconnect cables and related equipment that will need to be removed before the signal can be de-energized and removed.

Notify the City of Waukesha Public Works Department at (414) 471-8422 at least five working days prior to the removal of the traffic signal. Complete the removal work as soon as possible following shut down of this equipment.

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

Remove all standards and poles per plan from their concrete footings and disassemble out of traffic. Remove the transformer bases from each pole. Remove the signal heads, mast arms, luminaires, wiring / cabling and traffic signal mounting devices from each signal standard, arm or pole. Ensure that access handhole doors and all associated hardware remain intact. Remove the traffic signal cabinet from the concrete footing. Dispose of the underground signal cable, internal wires, and street lighting cable. Deliver the remaining materials to the City of Waukesha City Garage at 300 Sentry Drive, Waukesha, WI. Contact the City of Waukesha Public Works Department at (262) 524-3600 at least five working days prior to delivery to make arrangements.

**D Measurement**

The department will measure Removing Existing Traffic Signal by each unit, acceptably completed.

**E Payment**

*Add the following to standard spec 204.5:*

| ITEM NUMBER   | DESCRIPTION  | UNIT |
|---------------|--|------|
| 204.9060.S.03 | Removing Existing Traffic Signal W St Paul & Wisconsin | EACH |
| 204.9060.S.04 | Removing Existing Traffic Signal W St Paul & Wisconsin | EACH |

Payment is full compensation for removing and disassembling traffic signals; for scrapping of some materials; for disposing of scrap material; and for delivering the requested materials to the City of Waukesha.

stp-204-025 (20150630)

**20. Removing Sanitary Sewer 6-inch, Item 204.9090.S.01;  
Removing Sanitary Sewer 8-inch, Item 204.9090.S.02;  
Removing Sanitary Sewer 10-inch, Item 204.9090.S.03;  
Removing Sanitary Sewer 24-inch, Item 204.9090.S.04.**

**A Description**

This special provision describes removing sanitary sewer conforming to standard spec 204 and City of Waukesha Standard Construction Specifications for Remove Pipe.

**B (Vacant)**

**C Construction**

Sanitary sewer shall be removed according to standard spec 204 and City of Waukesha Standard Construction Specifications for Remove Pipe.

**D Measurement**

The department will measure Removing Sanitary Sewer in length by the linear foot, acceptably completed.

**E Payment**

*Add the following to standard spec 204.5:*

| ITEM NUMBER   | DESCRIPTION                     | UNIT |
|---------------|---------------------------------|------|
| 204.9090.S.01 | Removing Sanitary Sewer 6-inch  | LF   |
| 204.9090.S.02 | Removing Sanitary Sewer 8-inch  | LF   |
| 204.9090.S.03 | Removing Sanitary Sewer 10-inch | LF   |
| 204.9090.S.04 | Removing Sanitary Sewer 24-inch | LF   |

stp-204-025 (20150630)

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

**A Description**

**A.1 General**

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

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

GFL Muskego Landfill Facility  
W124 S10629 South 124th Street  
Muskego, WI 53150  
(414) 529-1360

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

**A.2 Notice to the Contractor – Contaminated Soil Locations**

The City of Waukesha completed testing for soil contamination at locations within this project corridor where excavation is required. Testing indicated that soil and non-native fill materials contaminated with low-level VOCs and PAHs are present at the following locations the plans show:

Site 1. Station 107+00 to 112+00 from centerline to project limits right and Station 303+50 to 305+00 from centerline to project limits right.

Contaminated soils may be encountered at other locations within the construction limits. If contaminated soils are encountered at locations other than those described above, terminate excavation activities in the area and notify the engineer and the environmental consultant. Contaminated soil at other locations shall be managed by the contractor under this contract.

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

Name: Kristin Kurzka, P.E., P.G.  
Address: 1300 W. Canal Street  
Phone: (414) 643-4127  
Fax: (414) 643-4210  
E-mail: [kkurzka@thesigmagroup.com](mailto:kkurzka@thesigmagroup.com)

### **A.3 Coordination**

Coordinate work under this contract with the environment consultant:

Consultant: TRC Environmental Corporation  
Address: 6737 W. Washington St., Suite 2100, West Allis, WI 53214  
Contact: Bryan Bergmann  
Phone: (262) 901-2126 office, (262) 227-9210 cell  
Fax: (262) 879-1220  
E-mail: [bbergmann@trccompanies.com](mailto:bbergmann@trccompanies.com)

The role of the environmental consultant will be limited to:

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

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

Identify the DNR approved disposal facility that will be used for disposal of contaminated soils and provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation activities or at the preconstruction conference, whichever comes first. The environmental consultant will be responsible for obtaining the necessary approvals for disposal of contaminated soils from the disposal facility.

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

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

### **A.4 Health and Safety Requirements**

*Add the following to standard spec 107.1:*

During excavation activities, expect to encounter soil contaminated with gasoline, diesel fuel, fuel oil, or other petroleum related products. Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training that meets the Occupational Safety and Health Administration

(OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

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

## **B (Vacant)**

### **C Construction**

*Add the following to standard spec 205.3:*

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

The environmental consultant will periodically evaluate soil excavated from the contaminated areas to determine if the soil will require offsite bioremediation. The environmental consultant will evaluate excavated soil based on field screening results, visual observations, and soil analytical results from previous environmental investigations. Assist the environmental consultant in collecting soil samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 20 cubic yards excavated.

Based on the environmental consultant field screening, material will be designated for disposal as follows:

- Excavation Common consisting of clean soil and/or clean construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, bituminous pavement, bricks, building stone, and unpainted or untreated wood), which under NR 500.08 are exempt materials; or
- Soil exhibiting low-level contamination based on visual assessment and field screening (for example, PID readings less than 10 ppm and no visual evidence of petroleum impacts or non-exempt fill materials) for reuse as backfill within the construction limits; or
- Materials with significant contamination (for example, elevated contaminant concentrations from previous investigation activities, PID readings greater than 10 ppm, significant odor, staining, or non-exempt fill materials [such as cinders or foundry sand]) will be designated for off-site disposal at the WDNR-licensed disposal facility. Excess low-level contaminated soil that cannot be reused as backfill will also be transported to the WDNR-licensed landfill facility for disposal.
- Potentially contaminated soil for temporary stockpiling and additional characterization prior to disposal.

Some material may require additional characterization prior to disposal. Provide for the temporary stockpiling of up to 100 cubic yards of contaminated soil on-site that require additional characterization. Construct and maintain the temporary stockpile according to NR 718.05(3). Stockpiled material will be sampled and characterized by the environmental consultant within 10 business days. Based on the characterization results, the contractor will be advised of the disposal requirements of stockpiled soil by the environmental consultant. The stockpiled material shall be disposed either at the WDNR-licensed disposal facility by the contractor or, if characterized as hazardous waste, by the department. As an alternative to temporary stockpiling, excavation may be suspended and contaminated material requiring further characterization may be left in place pending characterization.

When material is encountered outside the above-identified limits of known contamination that appears to have been impacted with petroleum or chemical products, or when other obvious potentially contaminated materials are encountered or material exhibits characteristics of industrial-type wastes, such as fly ash, foundry sand, and cinders, or when underground storage tanks are encountered, suspend excavation in that area and notify the engineer and the environmental consultant.

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

### **D Measurement**

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

## E Payment

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

| ITEM NUMBER | DESCRIPTION  | UNIT |
|-------------|--|------|
| 205.0501.S  | Excavation, Hauling, and Disposal of Petroleum Contaminated Soil | TON  |

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

stp-205-003 (20150630)

## 22. Storm Catch Basins and Manholes.

For circular structures only, chimneys shall be constructed with adjustment rings manufactured from ARPRO Expanded Polypropylene (EPP).

*Append standard spec 611.2(1) with the following:*

All materials required for the installation of ARPRO Expanded Polypropylene (EPP) adjusting rings shall conform to City of Waukesha Standard Construction Specifications.

*Replace standard spec 611.3.1(8), 611.3.3(1) and 611.3.6.1(1) with the following:*

Install adjustment rings in accordance with City of Waukesha Standard Construction Specifications.

The City of Waukesha will furnish frames and covers/grates for all storm structures. Frames and covers/grates shall be picked up from the City of Waukesha Municipal Garage at 300 Sentry Drive. Old covers shall be returned to the Municipal Garage. Contact Joe Baginski, (262) 524-3615, to make arrangements.

## 23. Adjusting Catch Basin Covers, Item 611.8105; Adjusting Manhole Covers, Item 611.8110.

Catch basin and manhole covers shall be adjusted from their existing elevation to align with the adjacent grade or pavement. Entire chimney material shall consist of adjustment rings manufactured from ARPRO Expanded Polypropylene (EPP).

*Append standard spec 611.2(1) with the following:*

All materials required for the installation of ARPRO Expanded Polypropylene (EPP) adjusting rings shall conform to City of Waukesha Standard Construction Specifications.

*Conform to standard spec 611, except revise standard spec 611.3.5 and standard spec 611.3.7 with the following:*

Catch basins and manholes shall be adjusted in accordance with City of Waukesha Standard Construction Specifications. Remove existing casting and entire chimney and furnish and install new ARPRO Expanded Polypropylene (EPP) adjusting rings. Remove all existing adjusting rings and do not mix concrete and EPP rings. Raise or lower the casting or precast top from its existing elevation to align with the adjacent grade, pavement, curb, etc. Install a new city-furnished casting.

The City of Waukesha will furnish frames and covers/grates for all storm structures. Frames and covers/grates shall be picked up from the City of Waukesha Municipal Garage at 300 Sentry Drive. Old covers shall be returned to the Municipal Garage. Contact Joe Baginski, (262) 524-3615, to make arrangements.

## 24. Traffic Signals, General.

Work under this item shall consist of furnishing and installing all materials for traffic signals and interconnect at the following intersections in the City of Waukesha, WI, according to the plans and the State of Wisconsin Department of Transportation Standard Specifications for Highway and Structure Construction, 2022 Edition, and these special provisions.

W St Paul Ave and W North Ave / Wisconsin Ave

W St Paul Ave and Madison Street

The contractor will furnish all materials, which include but are not limited to, the traffic signal controller, the traffic signal cabinet, and traffic signal control equipment as listed in the plans (such as, pedestal bases, transformer bases, traffic signal standards, poles, monotube signal poles and arms, traffic signal faces, backplates, pedestrian signal faces, pedestrian push buttons, traffic signal mounting hardware, video detection system, emergency vehicle preemption system, concrete foundations, etc.). The existing traffic signal will be removed and all above-ground equipment and pull box rims and lids will be returned to the City of Waukesha. Make arrangements with Brian Knapp at (414) 507-1132 for delivery to the Municipal Garage at 300 Sentry Drive, Waukesha, WI 53186.

Work shall also consist of removing existing traffic signal interconnect fiber optic cable and installing new signal interconnect fiber optic, where shown on the signal interconnect plans.

Through the WisDOT material submittal process, the City of Waukesha will review and approve the material lists and specifications of all traffic control equipment prior to installation.

The contractor shall obtain the necessary electrical permits from the City of Waukesha Building Department prior to beginning the work. The contractor is responsible for all application fees and for any fines, penalties, damage done to property, etc., billed by the City of Waukesha.

The contractor is responsible for requesting the electrical service installation or relocation from the power company and the City of Waukesha shall pay the installation costs.

The contractor shall stake the proposed locations of traffic signal items 10 days prior to starting work so that the locations of the proposed facilities can be approved by WisDOT construction engineer the City of Waukesha. Any field changes regarding the location of the signal poles, pull boxes, etc. shall be approved by the City of Waukesha.

The contractor shall request a signal inspection of the completed signal installation. This request shall be made to the City of Waukesha at least three working days prior to the time of the requested inspection. The contractor shall turn over to the City of Waukesha a completed and operating traffic signal. Said final signal shall also include traffic signal timing setting for the controller. The City of Waukesha will provide traffic signal timing parameters to the electrical contractor prior to completion of the signal.

The contractor shall also complete the traffic signal interconnect fiber installation per plan and shall turn over to the City of Waukesha a completed and operational fiber interconnect system. The electrical contractor or vendor shall work with the City of Waukesha to ensure that all communication links from the City of Waukesha City Hall to the new signal interconnect equipment is functioning properly.

### Traffic Signal Equipment Color

The following signal items shall have a Flat Black Powder Coated exterior finish:

|               |  |
|---------------|--|
| Item 657.0100 | PEDESTAL BASES   |
| Item 657.050  | POLES, TYPE 10   |
| Item 657.0425 | TRAFFIC SIGNAL STANDARDS, ALUMINUM, 15-FT                        |
| Item 657.0430 | TRAFFIC SIGNAL STANDARDS, ALUMINUM, 10-FT                        |
| Item 657.0525 | MONOTUBE ARMS, 25-FT   |
| Item 657.0530 | MONOTUBE ARMS, 30-FT   |
| Item 657.0808 | LUMINAIRE ARMS STEEL, 8-FT                                       |
| Item 658.0173 | TRAFFIC SIGNAL FACE 3S 12-INCH                                   |
| Item 658.0174 | TRAFFIC SIGNAL FACE 4S 12-INCH                                   |
| Item 658.0175 | TRAFFIC SIGNAL FACE 5S 12-INCH                                   |
| Item 658.0416 | PEDESTRIAN SIGNAL FACE 16-IN                                     |
| Item 658.5069 | SIGNAL MOUNTING HARDWARE (LOCATION). Banding shall be unpainted. |

Item SPV.0060.40, SPV.0060.41 FURNISH AND INSTALL AUDIBLE PEDESTRIAN PUSH BUTTON SYSTEM (LOCATION). Button housing (back and sides) shall be black and face plate shall be yellow.

**25. Electrical Conduit.**

*Replace standard spec 652. 5 (2) with the following:*

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

**26. Pull Boxes Steel (Size), Item 653.0135 and 653.0140.**

*Append standard spec 653.3 (1) with the following:*

(1) The contractor shall ""Use covers stamped "TRAFFIC SIGNAL" for all traffic signal and signal interconnect pull boxes""

**27. Cable Traffic Signal 7-14 AWG**

*Append standard spec 655.5 (14) with the following:*

(14) Pedestrian push buttons are part of an Audible Pedestrian Push Button system and the wiring for all push buttons will use Cable Traffic Signal 7-14 AWG. Quantity for this cable will be paid for separately under item 655.0240 Cable Traffic Signal 7-14 AWG, per linear foot.

**28. Electrical Service Meter Breaker Pedestal W St Paul & W North / Wisconsin, Item 656.0200.3001;  
Electrical Service Meter Breaker Pedestal W St Paul & Madison, Item 656.0200.3002.**

*Append standard spec 656.3.4 with the following:*

The contractor will be responsible for electrical service installation or relocation requests. The City of Waukesha will be responsible for any charges from We Energies. Electrical utility company service installation or relocation and energy cost will be billed to and paid for by the maintaining authority. The new electric service should be requested 8-10 week prior to the time they will be required.

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

*Append standard spec 656.5(3) with the following:*

Payment is full compensation for grading the service trench and replacing topsoil; and for fertilizing, seeding, and mulching to restore the disturbed area of the service trench if necessary.

**29. Traffic Signal Faces.**

*Append standard spec 658.3.2(3) with the following:*

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



### **30. Pedestrian Signal Face 16-Inch.**

*Append standard spec 658.3.4(3) with the following:*

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

### **31. Water Main, General.**

All construction and installation shall be in accordance with the following: Specifications for Water Main & Service Lateral Materials and the Installation of Water Main & Appurtenances for Waukesha Water Utility of the City of Waukesha dated November 21, 2019, the regulations of the Wisconsin Department of Natural Resources (WDNR), the Standard Specifications for Sewer & Water Construction in Wisconsin – Sixth Edition, AWWA Specifications, manufacturers' recommendations and these Special Provisions.

The proposed water main installation will be extended within the right-of-way of w. St. Paul Avenue and Madison Street as shown on the plans, in strict compliance with these specifications and plans. The contractor shall also make connections to the existing water mains in W. North Street, Fuller Street, Ann Street and Madison Street as shown on the plan sheets.

The contractor will need to coordinate with the Waukesha Water Utility all work associated with the connecting the new and abandoning the old water mains in W. St Paul Avenue at all of the intersections, as shown on the plans. The Waukesha Water Utility will assist in turning the existing valves to isolate these areas for the installation of the valves, fittings, caps and plugs. The water mains will not be allowed to be shut down before 8:00 AM and there will be no extra costs or change orders allowed for down time associated with the Waukesha Water Utility crews turning the water off for the above work. The contractor is responsible for notifying all customers that will have their water shut off for the above work or in an emergency situation.

All contractors shall submit a Certificate of Insurance, as required by the Waukesha Water Utility, indicating that the insurance meets the Waukesha Water Utility's requirements and limits; and is in effect for the project.

A Waukesha Water Utility representative shall provide inspection for all water main installation and abandonment. The Contractor shall provide 72 hours (3 work days) notice of the anticipated need for inspection services. No work shall be undertaken without an inspector being on site or without the permission of the Waukesha Water Utility. Payments may be denied, or removal of work may be ordered, for work accomplished without an inspector present or without the approval of the Waukesha Water Utility.

The contractor is responsible for damage to adjoining buildings and grounds caused in the construction.

The location of structures and obstacles shall not be taken as conclusive. Verification to the satisfaction of the contractor shall be assumed as a condition of his/her bid; and therefore, the Contractor shall be solely responsible for all damages resulting from his/her activities.

The contractor shall be solely responsible for providing trench support in accordance with all applicable State and Federal regulations. The Waukesha Water Utility and Inspector shall be held harmless in all matters regarding shoring and bracing.

Side sloping of trenches will not be allowed where damage to sidewalk, curb, structures and underground utilities would be caused by such side sloping.

Existing valves and hydrants shall be operated only by Waukesha Water Utility personnel or in the presence of the inspector, as authorized by the Waukesha Water Utility.

#### **Materials**

The contractor shall submit to the Inspector and Owner, for approval, a list of all materials he/she intends to use prior to ordering and delivery to the job site, including the names of all material suppliers.

Storage of materials for construction will be permitted on the job site with prior City Engineering and Owner approval. Care shall be taken to avoid blocking driveways or interfering with traffic. Materials stored within the street right-of-way shall be barricaded and lighted with emergency flashers.

The Waukesha Water Utility will provide the tapping sleeves, tapping valves, the valve boxes for the tapping valves and will tap the existing water mains, for connecting the water mains. The Contractor shall provide the trench, trench shield and a means for lowering the tapping machine.

The contractor will need to install a 5 LBS anode bag to each copper service lateral. The Waukesha Water Utility will provide the anodes. The connection shall be made on the fitting end that connects to the copper pipe, in the tracer wire attachment nut.

The contractor shall provide all materials (pipe, fittings, valves, hydrants, accessories and sterilizing chemicals), equipment and labor to install the 16", 12" and 8" water mains.

Bedding material is required 4-Inches under and 12-Inches over the pipe as a minimum. Sand is required around all copper water laterals and brass fittings.

The cost for bedding, cover and mechanically compacted granular backfill shall be included in the linear foot of pipe being constructed.

Slurry backfill, if required by the Engineer at some locations, will be paid for under the Unit Bid Item "Cu. Yds. of Slurry Backfill."

The contractor is responsible for all surplus excavated material.

#### Mechanical Compaction

Excavated material or granular backfill shall be mechanically compacted with an initial lift of 2-Feet and subsequent lifts of 1-Foot, according to Section 2.6.14 (b) of the Standard Specifications for Sewer & Water Construction in Wisconsin – Sixth Edition. Any deficiency in quantity of backfill material (caused by shrinkage or settlement) shall be supplied at no additional cost to the owner. The cost of mechanically compacted backfill shall be included in the cost of linear foot of pipe being installed.

The contractor for this project will be required to meet a minimum compaction of 95% Standard Proctor Density in the top three feet of the granular backfill and 90% Standard Proctor Density in the remaining depth of the trench. The contractor is responsible for hiring an Engineering Firm to conduct the compaction testing. The contractor will be required to expose areas of the trench for the desired depth for testing. The cost of the compaction testing shall be included in the cost for the Unit Bid for lineal foot of water main.

#### Testing

All water mains shall be tested in full accordance with the requirements of Chapter 4.15.0 and Section 5.5.18 of the Standard Specifications for Sewer and Water Construction in Wisconsin.

In addition to the above referenced State specifications, the following will apply for all water main flushing activities associated with this project. The contractor will be responsible for the addition of any temporary standpipes or temporary hydrants (may be supplied by the WWU, when available) as shown on the plans and as required for completion of the flushing and disinfection portions of the water main work. A minimum of 24 hours after the water main has been filled; flush out the super chlorinated water from the water main. The super chlorinated water must be flushed using a fire hose or other approved direct conveyance device into a tanker, into the sanitary sewer (with prior City Engineering Approval Required) or onto a neutralizer to keep the environment safe. Only the super chlorinated water should be flushed per the aforementioned methods. Once the super chlorinated water has been flushed, additional flushing methods should be used. These flushing methods must use the appropriate number of hoses or other direct conveyance devices to reach the minimum water flow rate of 2-1/2 feet per second of water flow in the main as required for proper flushing. These hoses or devices must be supplied, installed and removed by the contractor. The water must be discharged in such a manner as to not promote erosion of the area or movement of site materials off site or into the storm sewer system. This may require discharge directly into an established storm sewer inlet, or conveyance to a clean and paved surface to utilize the existing curbs and storm sewer system. Flow of water from flushing or testing directly across disturbed surfaces will not be allowed. Flow of water within an existing curb and gutter line will only be allowed if the area is completely free of gravel and debris and if the flow fully remains on the undisturbed surface. It may be necessary to remove the inlet protection used during construction for the periods when flushing is occurring; these protections must be properly replaced when flushing has ended. Depending on the situation, it may also be necessary to stub up a temporary storm sewer inlet at flushing points if the distance to an established storm sewer system is too great.

**32. Remove and Salvage Existing Street Lighting Unit, Item SPV.0060.01.**

**A Description**

This special provision describes removing and salvaging existing street lighting unit according to City of Waukesha Standard Construction Specifications for Remove and Salvage Existing Street Light Unit.

**B (Vacant)**

**C Construction**

Remove and salvage existing street lighting unit according to City of Waukesha Standard Construction Specifications for Remove and Salvage Existing Street Light Unit.

**D Measurement**

The department will measure Remove and Salvage Existing Street Lighting Unit by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                                      | UNIT |
|-------------|--|------|
| SPV.0060.01 | Remove and Salvage Existing Street Lighting Unit | EACH |

Payment is full compensation for removing and salvaging existing street lighting unit according to City of Waukesha Standard Construction Specifications for Remove and Salvage Existing Street Light Unit.

**33. Remove and Dispose of Existing Street Light Controller, Item SPV.0060.02.**

**A Description**

This special provision describes removing and disposing of the existing Street Light Controller at the intersection of Wisconsin Ave. and W. St. Paul Ave. The contractor will remove the controller cabinet, all its components, and concrete base.

**B (Vacant)**

**C Construction**

The contractor shall remove and dispose of the existing Street Light Controller. The contractor shall notify the city when the existing Street Light Controller needs to be de-energized by We Energies. The contractor shall dispose of all components. The city does not request to salvage any of the components.

**D Measurement**

The department will measure Remove and Dispose of Existing Street Light Controller by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION  | UNIT |
|-------------|--|------|
| SPV.0060.02 | Remove and Dispose of Existing Street Light Controller | EACH |

Payment is full compensation for removing and disposing of the existing Street Light Controller at the intersection of Wisconsin Ave. and W. St. Paul Ave.

**34. Lighting Control Cabinet, Item SPV.0060.03.**

**A Description**

This special provision describes furnishing and installing lighting control cabinet according to City of Waukesha Standard Construction Specifications for Street Light Controller (Location).

**B Materials**

Materials shall be according to Waukesha Standard Construction Specifications.

**C Construction**

Furnish and install lighting control cabinet according to City of Waukesha Standard Construction Specifications for Street Light Controller (Location).

**D Measurement**

The department will measure Lighting Control Cabinet by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION              | UNIT |
|-------------|--------------------------|------|
| SPV.0060.03 | Lighting Control Cabinet | EACH |

Payment is full compensation for furnishing and installing lighting control cabinet according to City of Waukesha Standard Construction Specifications for Street Light Controller (Location).

**35. Install City Furnished Pole & 8-Foot Arm LED Luminaire, Item SPV.0060.04.****A Description**

This special provision describes installing City of Waukesha furnished pole & 8-foot arm LED luminaire according to City of Waukesha Standard Construction Specifications for Install City-Furnished Street Lighting Unit. This item shall represent a Type 5 pole, 8-foot luminaire arm, and Type C LED Luminaire.

**B (Vacant)****C Construction**

Install City of Waukesha furnished pole & 8-foot arm LED luminaire according to City of Waukesha Standard Construction Specifications for Install City-Furnished Street Lighting Unit.

**D Measurement**

The department will measure Install City Furnished Pole & 8-Foot Arm LED Luminaire by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION  | UNIT |
|-------------|--|------|
| SPV.0060.04 | Install City Furnished Pole & 8-Foot Arm LED Luminaire | EACH |

Payment is full compensation for installing City of Waukesha furnished pole & 8-foot arm LED luminaire according to City of Waukesha Standard Construction Specifications for Install City-Furnished Street Lighting Unit.

**36. Install City Furnished Post Top Pole LED Luminaire, Item SPV.0060.05.****A Description**

This special provision describes installing City of Waukesha furnished post top pole LED luminaire according to City of Waukesha Standard Construction Specifications for Install City-Furnished Street Lighting Unit. This item shall represent a 11-foot 8-inch decorative aluminum pole and a post top decorative LED Luminaire.

**B (Vacant)****C Construction**

Install City of Waukesha furnished post top pole LED luminaire according to City of Waukesha Standard Construction Specifications for Install City-Furnished Street Lighting Unit.

#### **D Measurement**

The department will measure Install City Furnished Post Top Pole LED Luminaire by each unit, acceptably completed.

#### **E Payment**

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

| ITEM NUMBER | DESCRIPTION  | UNIT |
|-------------|--|------|
| SPV.0060.05 | Install City Furnished Post Top Pole LED Luminaire | EACH |

Payment is full compensation for installing City of Waukesha furnished post top pole LED luminaire according to City of Waukesha Standard Construction Specifications for Install City-Furnished Street Lighting Unit.

### **37. Install City-Furnished Street Light Luminaire on Traffic Signal, Item SPV.0060.06.**

#### **A Description**

This special provision describes installing City of Waukesha furnished standard roadway LED luminaires (cobrahead style).

#### **B (Vacant)**

#### **C Construction**

Install the City Furnished luminaire on luminaire arm, level and connect to pole wiring according to standard spec 659. The contractor shall pick up and transport to the job site the City-Furnished Luminaires at the Waukesha City Garage located at 300 Sentry Drive, Waukesha, WI

#### **D Measurement**

The department will measure Install City-Furnished Street Light Luminaire on Traffic Signal by each unit, acceptably completed.

#### **E Payment**

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

| ITEM NUMBER | DESCRIPTION   | UNIT |
|-------------|---|------|
| SPV.0060.06 | Install City-Furnished Street Light Luminaire on Traffic Signal | EACH |

Payment is full compensation for installing City-Furnished Street Light Luminaire on Traffic Signal; connecting and installing new luminaire on lighting unit.

### **38. Install Existing Fiber Optic Communications Conduit into New Pull Box, Item SPV.0060.07.**

#### **A Description**

This special provision describes installing an existing fiber optic signal communication (interconnect) conduit into a new pull box. At locations shown on the signal interconnect plan, existing 2-Inch PVC conduit will be salvaged in place and reused. A new pull box will be installed in such a manner as to accept the existing 2-Inch conduit.

#### **B (Vacant)**

#### **C Construction**

The contractor shall drill a hole, at the appropriate depth, in the new pull box in a manner to accept the input of an existing 2-inch conduit. The existing conduit is static and cannot be pulled or pushed to adjust its location. Slide the pull box to have the 2-inch conduit penetrate the hole.

#### **D Measurement**

The department will measure Install Existing Fiber Optic Communications Conduit into New Pull Box by each unit, acceptably completed.

## **E Payment**

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

| ITEM NUMBER | DESCRIPTION   | UNIT |
|-------------|---|------|
| SPV.0060.07 | Install Existing Fiber Optic Communications Conduit into New Pull Box | EACH |

Payment is full compensation for installing fiber optic communication conduit into new pull box.

### **39. Communications Vault 24x36, Item SPV.0060.08.**

#### **A Description**

This special provision describes furnishing and installing communications vault 24x36 according to City of Waukesha Standard Construction Specifications for Install New Quazite Vault – Fiber.

#### **B Materials**

Materials shall be according to Waukesha Standard Construction Specifications.

#### **C Construction**

Furnish and install communications vault 24x36 according to City of Waukesha Standard Construction Specifications for Install New Quazite Vault – Fiber.

#### **D Measurement**

The department will measure Communications Vault 24x36 by each unit, acceptably completed.

#### **E Payment**

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

| ITEM NUMBER | DESCRIPTION                | UNIT |
|-------------|----------------------------|------|
| SPV.0060.08 | Communications Vault 24x36 | EACH |

Payment is full compensation for furnishing and installing communications vault 24x36 according to City of Waukesha Standard Construction Specifications for Install New Quazite Vault – Fiber.

### **40. Traffic Signal Controller Programming W St Paul Ave & Wisconsin Ave, Item SPV.0060.09; Traffic Signal Controller Programming W St Paul Ave & Madison St, Item SPV.0060.10.**

#### **A Description**

This special provision describes the required traffic signal controller programming necessary to update the intersection phasing and timing. Specific timing plans will be provided by the City of Waukesha.

#### **B (Vacant)**

#### **C Construction**

Input traffic signal timings into the new traffic signal controller as directed by the City of Waukesha to allow the traffic signal to operate according to the sequence of operations.

Allow the City of Waukesha and/or its representatives to review the operation of the controller prior to installation at the job site. Provide guidance as needed on special programming features based on the sequence of operations to maintain proper operation.

#### **D Measurement**

The department will measure Traffic Signal Controller Programming by each unit, acceptably completed.

#### **E Payment**

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

| ITEM NUMBER | DESCRIPTION   | UNIT |
|-------------|---|------|
| SPV.0060.09 | Traffic Signal Controller Programming W St Paul Ave & Wisconsin Ave | EACH |
| SPV.0060.10 | Traffic Signal Controller Programming W St Paul Ave & Madison St    | EACH |

Payment is full compensation for controller programming and timing modifications required to accommodate fully functional traffic signal operation as shown in the sequence of operations plan.

**41. Abandoning Sanitary Sewer Manholes, Item SPV.0060.11.**

**A Description**

This special provision describes abandoning sanitary sewer manholes according to City of Waukesha Standard Construction Specifications for Abandon Sewer Manhole.

**B (Vacant)**

**C Construction**

Sanitary sewer manholes shall be abandoned in accordance with City of Waukesha Standard Construction Specifications for Abandon Sewer Manhole. Old covers and frames shall be returned to the City of Waukesha Municipal Garage at 300 Sentry Drive Municipal Garage. Contact Joe Baginski, (262) 524-3615, to make arrangements.

**D Measurement**

The department will measure Abandoning Sanitary Sewer Manholes by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                        | UNIT |
|-------------|------------------------------------|------|
| SPV.0060.11 | Abandoning Sanitary Sewer Manholes | EACH |

Payment is full compensation for abandoning sanitary sewer manholes according to City of Waukesha Standard Construction Specifications for Abandon Sewer Manhole.

**42. Adjusting Sanitary Sewer Manholes, Item SPV.0060.12.**

**A Description**

This special provision describes adjusting sanitary sewer manholes from their existing elevation to align with the adjacent grade or pavement.

**B Materials**

Sanitary manhole materials shall be in accordance with City of Waukesha Standard Construction Specifications. The City of Waukesha will furnish frames and covers for all sanitary structures. Frames and covers shall be picked up from the City of Waukesha Municipal Garage at 300 Sentry Drive. Contact Joe Baginski, (262) 524-3615, to make arrangements.

**C Construction**

Sanitary sewer manholes shall be adjusted according to City of Waukesha Standard Construction Specifications. Remove existing casting and entire manhole chimney and furnish and install new ARPRO Expanded Polypropylene (EPP) adjusting rings. Remove all existing adjusting rings and do not mix concrete and EPP rings. Raise or lower the casting or precast top from its existing elevation to align with the adjacent grade, pavement, curb, etc. Install a new city-furnished casting.

**D Measurement**

The department will measure Adjusting Sanitary Sewer Manholes by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                       | UNIT |
|-------------|-----------------------------------|------|
| SPV.0060.12 | Adjusting Sanitary Sewer Manholes | EACH |

Payment is full compensation for removing the existing casting and manhole chimney; for furnishing and installing new adjusting rings; for raising or lowering a casting or precast top from its existing elevation to align with the adjacent grade, pavement, curb, etc.; for installing a new city-furnished casting; and for excavating and backfilling.

**43. Sanitary Manhole 48-inch, Item SPV.0060.13;  
Sanitary Manhole 72-inch, Item SPV.0060.14.**

**A Description**

This special provision describes furnishing and installing sanitary manholes according to City of Waukesha Standard Construction Specifications for (diameter) Sanitary Manhole.

**B Materials**

Sanitary manhole materials shall be according to City of Waukesha Standard Construction Specifications. The City of Waukesha will furnish frames and covers for all sanitary structures. Pick up from the City of Waukesha Municipal Garage at 300 Sentry Drive. Contact Joe Baginski, (262) 524-3615, to make arrangements.

**C Construction**

Sanitary manholes shall be installed according to City of Waukesha Standard Construction Specifications for (diameter) Sanitary Manhole.

**D Measurement**

The department will measure Sanitary Manhole by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION              | UNIT |
|-------------|--------------------------|------|
| SPV.0060.13 | Sanitary Manhole 48-inch | EACH |
| SPV.0060.14 | Sanitary Manhole 72-inch | EACH |

Payment is full compensation for furnishing and installing sanitary manholes according to City of Waukesha Standard Construction Specifications for (diameter) Sanitary Manhole.

**44. Televis Sanitary Sewer Lateral, Item SPV.0060.15.**

**A Description**

This special provision describes televising sanitary sewer laterals according to City of Waukesha Standard Construction Specifications for sewer televising.

**B (Vacant)**

**C Construction**

Sanitary sewer laterals shall be televised according to City of Waukesha Standard Construction Specifications.

**D Measurement**

The department will measure Televis Sanitary Sewer Lateral by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                    | UNIT |
|-------------|--------------------------------|------|
| SPV.0060.15 | Televis Sanitary Sewer Lateral | EACH |

Payment is full compensation for televising sanitary sewer laterals according to City of Waukesha Standard Construction Specifications for sewer televising.

**45. Construction Staking Sanitary Sewer, Item SPV.0060.16.**

**A Description**

Work under this item consists of contractor-performed construction staking required to establish the horizontal and vertical position for the sanitary sewer. Perform all work under this item according to standard spec 105.6 and 650



**B (Vacant)****C Construction**

Perform all work under this item according to standard spec 105.6 and 650. Set and maintain construction stakes or marks as necessary to achieve the required accuracy and to support the method of operations. Locate sanitary sewer pipe and manhole construction stakes to within 0.02 feet horizontally and establish the elevations to within 0.01 feet vertically. Verify that the final elevations of downstream sanitary sewer pipes match the existing field elevations and provide this information to the engineer at a mutually agreed upon date or at least 14 calendar days before ordering manholes and sanitary sewer pipe.

**D Measurement**

The department will measure Construction Staking Sanitary Sewer as each individual sanitary 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.0060.16 | Construction Staking Sanitary Sewer | EACH |

Payment is full compensation for locating and setting all construction stakes and for relocating and resetting damaged or missing construction stakes. Standard spec 650.5(2) shall apply for final payment.

**46. Construction Staking Fiber Optic, Item SPV.0060.17.****A Description**

Work under this item consists of contractor-performed construction staking required to establish the horizontal and vertical position for the fiber optic communication vaults. Perform all work under this item according to standard spec 105.6 and 650

**B (Vacant)****C Construction**

Perform all work under this item according to standard spec 105.6 and 650. Set and maintain construction stakes or marks as necessary to achieve the required accuracy and to support the method of operations. Locate fiber optic communication vault construction stakes to within 0.02 feet horizontally and establish the elevations to within 0.01 feet vertically.

**D Measurement**

The department will measure Construction Staking Fiber Optic as each individual fiber optic communications vault, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                      | UNIT |
|-------------|----------------------------------|------|
| SPV.0060.17 | Construction Staking Fiber Optic | EACH |

Payment is full compensation for locating and setting all construction stakes and for relocating and resetting damaged or missing construction stakes. Standard spec 650.5(2) shall apply for final payment.

**47. Install Manhole Covers, Item SPV.0060.18.****A Description**

This special provision describes removing and salvaging the existing covers, grates, and frames; for picking up new city-furnished covers including frames, grates or lids from the Waukesha Municipal Garage; for installing and adjusting each cover; and for returning old covers, grates, and frames removed to the Municipal Garage.

## **B Materials**

The City of Waukesha will furnish frames and covers/grates for all storm structures. Frames and covers/grates shall be picked up from the City of Waukesha Municipal Garage at 300 Sentry Drive. Old covers shall be returned to the Municipal Garage. Contact Joe Baginski, (262) 524-3615, to make arrangements.

## **C Construction**

Remove and salvage the existing covers, grates, and frames. Pick up new City-furnished covers including frames, grates or lids from the Waukesha Municipal Garage at 300 Sentry Drive. Install and adjust each cover. Return old covers, grates, and frames removed to the Municipal Garage.

## **D Measurement**

The department will measure Install Manhole Covers by each unit, acceptably completed.

## **E Payment**

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

| ITEM NUMBER | DESCRIPTION            | UNIT |
|-------------|------------------------|------|
| SPV.0060.18 | Install Manhole Covers | EACH |

Payment is full compensation for removing and salvaging the existing covers, grates, and frames; for picking up new City-furnished covers including frames, grates or lids from the Waukesha Municipal Garage; for installing and adjusting each cover; and for returning old covers, grates, and frames removed to the Municipal Garage.

# **48. Install Inlet Covers, Item SPV.0060.19.**

## **A Description**

This special provision describes removing and salvaging the existing covers, grates, and frames; for picking up new City-furnished covers including frames, grates or lids from the Waukesha Municipal Garage; for installing and adjusting each cover; and for returning old covers, grates, and frames removed to the Municipal Garage.

## **B Materials**

The City of Waukesha will furnish frames and covers/grates for all storm structures. Frames and covers/grates shall be picked up from the City of Waukesha Municipal Garage at 300 Sentry Drive. Old covers shall be returned to the Municipal Garage. Contact Joe Baginski, (262) 524-3615, to make arrangements.

## **C Construction**

Remove and salvage the existing covers, grates, and frames. Pick up new City-furnished covers including frames, grates or lids from the Waukesha Municipal Garage at 300 Sentry Drive. Install and adjust each cover. Return old covers, grates, and frames removed to the Municipal Garage.

## **D Measurement**

The department will measure Install Inlet Covers by each unit, acceptably completed.

## **E Payment**

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

| ITEM NUMBER | DESCRIPTION          | UNIT |
|-------------|----------------------|------|
| SPV.0060.19 | Install Inlet Covers | EACH |

Payment is full compensation for removing and salvaging the existing covers, grates, and frames; for picking up new City-furnished covers including frames, grates or lids from the Waukesha Municipal Garage; for installing and adjusting each cover; and for returning old covers, grates, and frames removed to the Municipal Garage.

**49. Furnish and Install Gate Valve and Valve Box 8-inch, Item SPV.0060.23;  
Furnish and Install Gate Valve and Valve Box 12-inch, Item SPV.0060.24;  
Furnish and Install Butterfly Valve and Valve Box 16-inch, Item SPV.0060.25.**

**A Description**

The contractor shall furnish and install all 8" and 12" gate valves and 16" butterfly valves and valve boxes including polyethylene wrap, bedding, cover and compacted granular backfill. Do not wrap valve boxes in polyethylene wrap. The contractor shall check all nuts and bolts for tightness, prior to installing valves. Any valve nut that needs to be placed deeper than 7 feet below finished grade, the contractor shall install a valve extension on the nut. The top of the valve nut extension shall be between 4' and 6' from the finished grade. Screw-type risers or long throat risers shall be used to accommodate final lift of asphalt if boxes cannot be turned to final grade. No inserts will be allowed.

**B Materials**

Furnish materials according to Chapter 4 of the Waukesha Water Utility standard specifications.

**C Construction**

Install gate valves and valve boxes according to Chapter 6 of the Waukesha Water Utility standard specifications.

The contractor will need to install a 5 pound anode bag to each copper service lateral. The Waukesha Water Utility will provide the anodes. The connection shall be made on the fitting end that connects to the copper pipe, in the tracer wire attachment nut

**D Measurement**

The department will measure Furnish and Install Gate and Butterfly Valves (Size) by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION   | UNIT |
|-------------|---|------|
| SPV.0060.23 | Furnish and Install Gate Valve and Valve Box 8-inch       | EACH |
| SPV.0060.24 | Furnish and Install Gate Valve and Valve Box 12-inch      | EACH |
| SPV.0060.25 | Furnish and Install Butterfly Valve and Valve Box 16-inch | EACH |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

**50. Reconnect 3/4-inch Copper Water Service Type SL1, Item SPV.0060.26.**

**A Description**

This special provision describes reconnecting the existing 3/4" copper water service laterals to the new water main, shown as "SL1" on the plans. The contractor shall tap the new water main for a 3/4" service using a direct tap with a 1" corporation for D.I. water main or a 12"x1" tapping saddle for PVC water main and a 1" corporation, approximately 13 feet of 1" PE(CTS) pipe, a 1" curb stop, rod and box and a 1"x3/4" straight coupling. All pipe connections to be compression connections and a tracer wire terminal is required on all quick joint nuts.

**B Materials**

Furnish materials according to Chapter 4 of the Waukesha Water Utility standard specifications.

**C Construction**

Install copper water service according to Chapter 6 of the Waukesha Water Utility standard specifications.

**D Measurement**

The department will measure Reconnect 3/4-inch Copper Water Service Type SL1 by each unit, acceptably completed.

## **E Payment**

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

| ITEM NUMBER | DESCRIPTION                                      | UNIT |
|-------------|--|------|
| SPV.0060.26 | Reconnect 3/4-inch Copper Water Service Type SL1 | EACH |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

## **51. Reconnect 4-inch Water Service Type SL2, Item SPV.0060.27.**

### **A Description**

This special provision describes reconnecting the existing water service laterals to the new water main, shown as "SL2" on the plans. The contractor shall connect the existing 4" water service to the new water main with the appropriate fittings, as noted on the plans per each lateral connection, a 12"x6" anchor tee, a 6" Gate Valve, a 6"x4" reducer, 6" - 45° bends (2) (If needed) and approximately 20 feet of 6" PVC, DR-14, AWWA C900, Pressure Class of 200 PSI or 6" Ductile Iron Pipe (Thickness Class 52) with tracer wire.

### **B Materials**

Furnish materials according to Chapter 4 of the Waukesha Water Utility standard specifications.

### **C Construction**

Install copper water service according to Chapter 6 of the Waukesha Water Utility standard specifications.

### **D Measurement**

The department will measure Reconnect 4-inch Water Service Type SL2 by each unit, acceptably completed.

### **E Payment**

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

| ITEM NUMBER | DESCRIPTION                             | UNIT |
|-------------|---|------|
| SPV.0060.27 | Reconnect 4-inch Water Service Type SL2 | EACH |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

## **52. Reconnect 6-inch Water Service Type SL3, Item SPV.0060.28.**

### **A Description**

This special provision describes reconnecting the existing water service laterals to the new water main, shown as "SL3" on the plans. The contractor shall connect the existing 6" water service to the new water main with the appropriate fittings, as noted on the plans per each lateral connection, a 12"x6" anchor tee, a 6" Gate Valve, a 6" solid sleeve or 6" - 45° bends (2) and approximately 10 feet (10') of 6" PVC, DR-14, AWWA C900, Pressure Class of 200 PSI or 6" Ductile Iron Pipe (Thickness Class 52) with tracer wire.

### **B Materials**

Furnish materials according to Chapter 4 of the Waukesha Water Utility standard specifications.

### **C Construction**

Install copper water service according to Chapter 6 of the Waukesha Water Utility standard specifications.

### **D Measurement**

The department will measure Reconnect 6-inch Water Service Type SL3 by each unit, acceptably completed.

### **E Payment**

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

| ITEM NUMBER | DESCRIPTION                             | UNIT |
|-------------|---|------|
| SPV.0060.28 | Reconnect 6-inch Water Service Type SL3 | EACH |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

**53. Reconnect 6-inch Water Service Type SL4, Item SPV.0060.29.**

**A Description**

This special provision describes reconnecting the existing water service laterals to the new water main, shown as "SL4" on the plans. The contractor shall connect the existing 6" water service to the new water main with the appropriate fittings, as noted on the plans per each lateral connection, a 16"x6" anchor tee, a 6" Gate Valve, a 6" solid sleeve or 6" - 45° bends (2) and approximately 5 feet of 6" PVC, DR-14, AWWA C900, Pressure Class of 200 PSI or 6" Ductile Iron Pipe (Thickness Class 52) with tracer wire.

**B Materials**

Furnish materials according to Chapter 4 of the Waukesha Water Utility standard specifications.

**C Construction**

Install copper water service according to Chapter 6 of the Waukesha Water Utility standard specifications.

**D Measurement**

The department will measure Reconnect 6-inch Water Service Type SL4 by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                             | UNIT |
|-------------|---|------|
| SPV.0060.29 | Reconnect 6-inch Water Service Type SL4 | EACH |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

**54. Reconnect 8-inch Water Service Type SL5, Item SPV.0060.30.**

**A Description**

This special provision describes reconnecting the existing water service laterals to the new water main, shown as "SL5" on the plans. The contractor shall connect the existing 8" water service to the new water main with the appropriate fittings, as noted on the plans per each lateral connection, a 16"x8" anchor tee, an 8" Gate Valve, an 8" solid sleeve or 8" - 45° bends (2) and approximately 20 feet of 8" PVC, DR-14, AWWA C900, Pressure Class of 200 PSI or 6" Ductile Iron Pipe (Thickness Class 52) with tracer wire.

**B Materials**

Furnish materials according to Chapter 4 of the Waukesha Water Utility standard specifications.

**C Construction**

Install water service according to Chapter 6 of the Waukesha Water Utility standard specifications.

**D Measurement**

The department will measure Reconnect 8-inch Water Service Type SL5 by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                             | UNIT |
|-------------|---|------|
| SPV.0060.30 | Reconnect 8-inch Water Service Type SL5 | EACH |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

**55. Reconnect 1-inch Copper Water Service Type SL6, Item SPV.0060.31.**

**A Description**

This special provision describes reconnecting the existing 1" copper water service laterals to the new water main, shown as "SL6" on the plans. The contractor shall tap the new water main for a 1" service using a direct tap with a 1" corporation for D.I. water main or a 12"x1" tapping saddle for PVC water main and a 1" corporation, approximately 15 feet of 1" PE(CTS) pipe, a 1" curb stop, rod and box and a 1" straight coupling (If needed). All pipe connections to be compression connections and a tracer wire terminal is required on all quick joint nuts.

**B Materials**

Furnish materials according to Chapter 4 of the Waukesha Water Utility standard specifications.

**C Construction**

Install water service according to Chapter 6 of the Waukesha Water Utility standard specifications.

**D Measurement**

The department will measure Reconnect 1-inch Copper Water Service Type SL6 by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                                    | UNIT |
|-------------|--|------|
| SPV.0060.31 | Reconnect 1-inch Copper Water Service Type SL6 | EACH |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

**56. Hydrant Assembly, Item SPV.0060.32.**

**A Description**

The contractor shall furnish and install all hydrant assemblies, which may include a 12"x6" or 8"x6" anchor tee, 6" hydrant valve and valve box and 6" ductile iron hydrant lead including polyethylene wrap, bedding, cover and compacted granular backfill. The contractor shall check all nuts and bolts for tightness, prior to installing hydrants. All hydrants shall be installed to the proper bury depth; the contractor is responsible for providing hydrant extensions, if required. The front nozzle must be a minimum of 18 inches behind the back of curb. The center of the nozzle shall be between 18" and 24" above final grade and include a tracer wire access box per figure 2 of the Waukesha Water Utility standard specifications. The contractor shall also provide the chlorination, flushing and pressure testing per the listed specifications.

**B Materials**

Furnish materials according to Chapter 4 of the Waukesha Water Utility standard specifications.

**C Construction**

Install all hydrants according to Chapter 6 and standard detail drawing Figure 2 of the Waukesha Water Utility standard specifications, unless otherwise shown or specified.

**D Measurement**

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

**E Payment**

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

| ITEM NUMBER | DESCRIPTION      | UNIT |
|-------------|------------------|------|
| SPV.0060.32 | Hydrant Assembly | EACH |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

**57. Abandon Hydrant, Item SPV.0060.33.**

**A Description**

The contractor shall abandon the existing fire hydrants in the locations shown on the plans or designated by the engineer.

**B (Vacant)**

**C Construction**

The contractor shall close the hydrant gate valve and then excavate to expose the entire hydrant, disconnect it from the hydrant lead and salvage it for pick up by the Waukesha Water Utility. Following the removal of the hydrant, the contractor shall remove the entire valve box and plug the hydrant lead with concrete and backfill the excavation.

**D Measurement**

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

**E Payment**

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

| ITEM NUMBER | DESCRIPTION     | UNIT |
|-------------|-----------------|------|
| SPV.0060.33 | Abandon Hydrant | EACH |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

**58. Abandon Valve Boxes and Manholes, Item SPV.0060.34.**

**A Description**

The contractor shall abandon all water valve boxes and manholes which serve valves no longer in service, where indicated by the plans or designated by the engineer.

**B (Vacant)**

**C Construction**

The contractor shall remove the entire valve box including the base section for all valve boxes. For all manholes, the contractor shall remove the cone top section and structure walls to a minimum depth of four feet. The contractor shall backfill all openings with granular backfill.

**D Measurement**

The department will measure Abandon Valve Boxes and Manholes by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                      | UNIT |
|-------------|----------------------------------|------|
| SPV.0060.34 | Abandon Valve Boxes and Manholes | EACH |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

**59. Remove and Replace Fiber Optic Cable W St Paul Ave & N Prairie Ave, Item SPV.0060.35;  
Remove and Replace Fiber Optic Cable W North St & Madison /Delafield St, Item  
SPV.0060.36;  
Remove and Replace Fiber Optic Cable E St Paul Ave & NW Barstow St, Item  
SPV.0060.37.**

**A Description**

This special provision describes removing existing traffic signal interconnect fiber from an existing traffic signal cabinet that is not being replaced and to reinstall a new fiber optic cable into the existing cabinet. Said work will reconnect and make operational the existing signal interconnect system.

**B (Vacant)**

## C Construction

Intersection of W St. Paul Ave. and North Prairie Ave.

- At this intersection, contractor will remove the signal interconnect fiber that leads to the intersection at W. St. Paul and W North / Wisconsin Ave. This work will involve disconnecting the fiber ends from the cabinet equipment while ensuring the integrity of the termination housing and equipment.
- Contractor will install new fiber optic cable, terminate the ends and ensure the system communicates as intended.
- Fiber termination at this intersection will be paid for under the Standard bid item 678.0400 Fiber Optic Termination. This will be for one each.

Intersection of W North St. and Madison / Delafield St.

- At this intersection, contractor will remove the signal interconnect fiber that leads to the intersection at W St. Paul and W North / Wisconsin Ave. and also to the intersection at W St. Paul and Madison Street. This work will involve disconnecting the fiber ends from the cabinet equipment while ensuring the integrity of the termination housing and equipment.
- Contractor will install new fiber optic cable (times 2), terminate the ends and ensure the system communicates as intended.
- Fiber termination at this intersection will be paid for under the Standard bid item 678.0400 Fiber Optic Termination. This will be for two each.

Intersection of E St. Paul Ave. and NW Barstow St.

- At this intersection, contractor will remove the signal interconnect fiber that leads to the intersection at W St. Paul and Madison St. This work will involve disconnecting the fiber ends from the cabinet equipment while ensuring the integrity of the termination housing and equipment.
- Contractor will install new fiber optic cable, terminate the ends and ensure the system communicates as intended.
- Fiber termination at this intersection will be paid for under the Standard bid item 678.0400 Fiber Optic Termination. This will be for one each.

## D Measurement

The department will measure Remove and Replace Fiber Optic Cable by each unit, acceptably completed.

## E Payment

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

| ITEM NUMBER | DESCRIPTION   | UNIT |
|-------------|---|------|
| SPV.0060.35 | Remove and Replace Fiber Optic Cable W St Paul Ave & N Prairie Ave      | EACH |
| SPV.0060.36 | Remove and Replace Fiber Optic Cable W North St & Madison /Delafield St | EACH |
| SPV.0060.37 | Remove and Replace Fiber Optic Cable E St Paul Ave & NW Barstow St      | EACH |

Payment is full compensation for furnishing and installing all materials plus all labor, tools, equipment and incidentals necessary to complete the work according to the plans and contract.

## 60. **Furnish and Install Traffic Signal Controller and Cabinet W St Paul Ave & Wisconsin Ave, Item SPV.0060.38; Furnish and Install Traffic Signal Controller and Cabinet W St Paul Ave & Madison St, Item SPV.0060.39.**

### A Description

This special provision describes furnishing and installing traffic signal controller(s) and cabinet(s) as shown on the plans and as hereinafter provided.



The controller shall be Eagle Signal Control EPAC M60 Series and shall provide a functional Ethernet port.

The traffic controllers and cabinets at the intersection shall include any necessary provisions to accommodate fiber optic interconnect.

The contractor shall submit two copies of the following to the City of Waukesha: Detection wiring diagrams, cable and routing diagrams, pole to pull box wiring diagrams, conductor layout standards and the associated head arrangements and other pertinent details.

Equipment will be examined, and tests will be performed to ensure that proper and sufficient equipment is furnished as is required to complete the signal plan operation and sequence in compliance with the intent of the contract specifications.

All testing and equipment examination shall be in the presence of the contractor's representative furnishing the equipment. The contractor's representative will be notified of any needed modifications or corrections to be accomplished by the contractor.

The cabinet shall not be installed until it is in proper working order and approved by City of Waukesha personnel or their designee.

After the contractor has mounted the cabinet on the cabinet foundation, he shall connect all the field wiring inside the controller cabinet and test the signal circuits for correct operation. The contractor shall 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 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 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.

Dual ring, programmable for both single and dual entry concurrent timing, 8-phase frame or equivalent shall be provided. Volume density and pedestrian timing shall be provided for all phases. MUTCD flashing capability shall be provided. All controls shall be according to the accompanying plans and with NEMA Standards Publication No. TS2-2003.

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. The intersection cabinet shall be wired for a minimum of 12 and include 12 three-circuit load switches.

## **B Electrical and Operational Aspects**

(1) Buffering. All logic circuit inputs shall be internally buffered to withstand transients and noise, such as might result from normal usage, without damage to any mechanism components.

(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.

(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.

(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 according 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.

(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.

(6) Red Revert. An adjustable red revert control shall be provided 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.

(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     |

(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.

(9) Indicator Lights and Switches. Indicator lights shall be provided 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. An indicator light shall also be provided to show the status of the backup battery charging circuit.

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

(10) Data Display. The data panel shall be a removable hand held unit. The 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. A data key shall be provided.

(11) Diagnostic Program. A diagnostic program shall be prepared by the manufacturer of the controller unit which 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.

(12) Preemption. (1) General. These specifications detail a preemptor program for use with 2 through 8 phase actuated controller.

- a) 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) Preempt Program.

1. 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 reinstate call registration.

2. 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.
3. 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.
4. 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.
5. Dwell Sequence. After the entry sequence, the preemtor 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 preemtor 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.
6. 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.

(13) 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.

## **C Monitoring**

A conflict monitor meeting the following requirements shall be provided:

- (1) General. Each cabinet assembly shall be wired to operate with one Malfunction Management Unit (MMU). The MMU shall be a Type 16.

This specification sets forth the minimum requirements for a shelf-mountable, sixteen channel, solid-state Malfunction Management Unit (MMU). The MMU shall meet, as a minimum, all applicable sections of the NEMA Standards Publication No. TS2-2003. Where differences occur, this specification shall govern.

- (2) Monitoring Functions. The following monitoring functions shall be provided in addition to those required by the NEMA Standard Section 4.

- a) Dual Indication Monitor Dual Indication monitoring shall detect simultaneous input combinations of active Green (Walk), Yellow, or Red (Don't Walk) field signal inputs on the same channel. In Type 12 mode this monitoring function detects simultaneous input combinations of active Green and Yellow, Green and Red, Yellow and Red, Walk and Yellow, or Walk and Red field signal inputs on the same channel.

When voltages on two inputs of a vehicle channel are sensed as active for more than 450 msec, the MMU shall enter the fault mode, transfer the OUTPUT relay contacts to the Fault position, and indicate the DUAL INDICATION fault. The MMU shall remain in the fault mode until the unit is reset by the RESET button or the EXTERNAL RESET input. When voltages on two inputs of a vehicle channel are sensed as active for less than 200 msec, the MMU shall not transfer the OUTPUT relay contacts to the Fault position.

When operating with Port 1 communications enabled, Bit #68 (Spare Bit #2) of the Type #129 response frame shall be set to indicate a Dual Indication fault has been detected.

Dual Indication Monitoring shall be disabled when the RED ENABLE input is not active.

- i) Dual Indication Programming. Programming shall be provided to enable the Dual Indication monitoring function for the Green and Red, Green and Yellow, and Yellow and Red combinations for each individual channel. In the Type 12 mode, the Walk inputs shall be logically OR'ed with the Green inputs for purposes of Dual Indication programming.
- b) Field Check Monitoring. The Field Check Monitor function shall provide two modes of operation, Field Check Fault and Field Check Status.

Field Check Monitoring shall be disabled when the RED ENABLE input is not active.

- i) Field Check Monitor. In the Field Check Fault mode, when the field signal input states sensed by the MMU do not correspond with the data provided by the Controller Unit in the Type #0 message for 10 consecutive messages, the MMU shall enter the fault mode, transfer the OUTPUT relay contacts to the Fault position, and indicate the FIELD CHECK FAIL fault. Bit #67 (Spare Bit #1) of the Type #129 response frame shall be set to indicate a Field Check fault has been detected. The MMU shall remain in the fault mode until the unit is reset by the RESET button or the EXTERNAL RESET input.
  - ii) Field Check Status. The Field Check Status mode shall work in combination with the other fault monitoring functions of the MMU. When a Conflict, Red Fail, Clearance Fail, or Dual Indication Fail triggers the MMU, the Channel Status Display and Fault Status Display shall correspond to that detected fault. If Field Check errors were detected while the fault was being timed, the inputs on which the Field Check errors were detected shall be reported on the Channel Status display. Bit #67 (Spare Bit #1) of the Type #129 response frame shall also be set to indicate Field Check errors have been detected.
  - iii) Field Check Programming. Programming shall be provided to enable the Field Check monitoring function for each Green, Yellow, and Red input individually. Programming shall be provided to enable the Field Check monitoring function for channel 2, 4, 6, and 8 Walk input individually when operating in the Type 12 with SDLC mode.
- c) Recurrent Pulse Monitoring. The Signal Monitor shall detect Conflict, Red Fail, and Dual Indication faults that result from intermittent or flickering field signal inputs. These recurring pulses shall result in a latching fault with the RECURRENT PULSE STATUS indicated along with the resulting Conflict, Red Fail, or Dual Indication status. An option shall be provided to disable the RP detect function for testing purposes.

When operating with Port 1 communications enabled, Bit #69 (Spare Bit #3) of the Type #129 response frame shall be set to indicate a Recurrent Pulse status has been detected.

- d) External Watchdog Monitoring. The MMU shall provide the capability to monitor an optional external logic level output from a Controller Unit or other external cabinet circuitry. If the MMU does not receive a change in state on the EXTERNAL WATCHDOG input for 1500 msec ( $\pm 100$  msec), the MMU shall enter the fault mode, transfer the OUTPUT relay contacts to the Fault position, and indicate the WATCHDOG fault. The MMU shall remain in the fault mode until the unit is reset by the RESET button or the EXTERNAL RESET input. An MMU Power Failure shall reset the WATCHDOG fault state of the monitor. The EXTERNAL WATCHDOG input shall be wired to connector MSB-S.

When operating with Port 1 communications enabled, Bit #70 (Spare Bit #4) of the Type #129 response frame shall be set to indicate an External Watchdog fault has been detected.

- e) Type Fault Monitor. The MMU shall verify at power-up that the Type 12 or Type 16 operating mode as determined by the TYPE SELECT input is consistent with the mode set by the last external reset.

Detection of a Type Fault shall place the MMU into the fault mode, transfer the OUTPUT relay contacts to the Fault position, and indicate the TYPE 12/16 fault. The MMU shall remain in the fault mode until the unit is reset by the RESET button or the EXTERNAL RESET input. An MMU Power Failure shall reset the Type Fault state of the monitor.

f) Flashing Yellow Arrow PPLT Support. The MMU shall be designed to monitor an intersection with up to four approaches using the four section Flashing Yellow Arrow (FYA) movement outlined by the NCHRP Research Project 3-54 on Protected/Permissive signal displays with Flashing Yellow Arrows. Two cabinet configurations shall be supported for both the MMU Type 16 and Type 12 modes depending on the number of load switches provided and the capabilities of the Controller Unit. In both modes the MMU shall be designed to provide the same fault coverage for the FYA approaches as it does for conventional protected left turn phases including Conflict, Red Fail, Dual Indication, and both Minimum Yellow and Minimum Yellow Plus Red Clearance monitoring.

### (3) Configuration Options

a) RYG ONLY Red Fail Option. The MMU shall provide the capability to exclude the Walk inputs from the Red Fail fault detection algorithm when operating in the Type 12 mode. When the option is selected, the absence of signals on the Green, Yellow, and Red field outputs of a channel will place the MMU unit into the fault mode, transfer the OUTPUT relay contacts to the Fault position, and indicate the RED FAIL fault.

b) LED Signal Threshold Adjust. The MMU shall provide the capability to sense field inputs signals with the following thresholds:

Conflict, Dual Indication Low Threshold Signal Inputs (Green, Yellow, and Red)

|           |                      |
|-----------|----------------------|
| No Detect | less than 15 Vrms    |
| Detect    | greater than 25 Vrms |

Red Fail High Threshold Signal Inputs (Green, Yellow, and Red)

|           |                      |
|-----------|----------------------|
| No Detect | less than 50 Vrms    |
| Detect    | greater than 70 Vrms |

c) CVM LOG Disable Option The MMU shall provide a means to disable the logging of CVM fault events.

(4) Display Functions. The following display functions shall be provided in addition to those required by the NEMA TS-2 Standard Section 4. A PC shall not be required to display the following parameters.

a) Field Signal Voltages Display. A mode shall be provided to display the RMS voltage of each field signal input. If the MMU is not in the fault mode, the displayed voltage will be the currently applied RMS voltage. If the MMU is in the fault mode, the displayed voltage will be the applied RMS voltage at the time of the fault.

b) Cabinet Control Signal Voltages Display. A mode shall be provided to display the RMS voltage of the AC Line and Red Enable, the frequency of the AC Line, and the ambient temperature measured at the MMU. If the MMU is not in the fault mode, the displayed values will be the currently applied values. If the MMU is in the fault mode, the displayed values will be the applied values at the time of the fault.

c) Field Check Status Display. When the MMU is in the fault mode, a display screen for the front panel display shall be provided to identify all field signal inputs with Field Check status.

d) Recurrent Pulse Status Display. When the MMU is in the fault mode, a display screen for the front panel display shall be provided to identify all field signal inputs with Recurrent Pulse status.

e) Configuration Display. A display mode for the front panel display shall be provided that allows the setting and viewing of all MMU configuration parameters. The configuration parameters provided on the program card shall be viewable only. A PC shall not be required to completely program or view the MMU configuration parameters.

f) Event Logs Display. A display mode for the front panel display shall be provided to review all details of the Previous Fail log, AC Line log, and the Monitor Reset log.

g) Clock Set Display. A display mode for the front panel display shall be provided to view and set the time and date of the MMU real time clock.

(5) Operating Modes. The MMU shall operate in both the Type 12 mode and Type 16 mode as required by the NEMA Standard.

a) Help System. A context sensitive Help system shall be provided that is activated by a separate Help button. The Main Status display shall respond with text messages relevant to the position in the menu navigation level. When the MMU is in the fault mode the Help system shall respond with the Diagnostic mode described in 0.

b) Setup Wizard. A built-in setup mode shall be provided that automatically configures the Dual Indication enable, Field Check enable, Red Fail enable, and Minimum Yellow Plus Red Clearance enable parameters from user input consisting only of channel assignment and class (vehicle, ped, pp-turn, etc.) responses.

c) Diagnostic Wizard. A built-in Diagnostic Wizard shall be provided that displays detailed diagnostic information regarding the fault being analyzed. This mode shall provide a concise view of the signal states involved in the fault, pinpoint faulty signal inputs, and provide guidance on how the technician should isolate the cause of the malfunction. The Diagnostic Wizard shall be automatically invoked when the MMU is in the fault mode and the HELP button is pressed. It shall also be automatically invoked when the MMU is in the Previous Fail (PF) event log display and the HELP button is pressed.

d) TS-1 Type 12 With SDLC Mode The MMU shall be capable of operating in the Type 12 mode with SDLC communications enabled on Port 1. The Channel Status display shall operate in the Type 12 configuration and provide the field check function for up to four pedestrian Walk inputs.

## **D Hardware**

### **(1) Enclosure**

a) Size. The MMU shall be compact so as to fit in limited cabinet space. It shall be possible to install on a shelf that is at least 7" deep. Overall dimensions, including mating connectors and harness, shall not exceed 10.5" x 4.5" x 11" (H x W x D).

b) Material. The enclosure shall be constructed of sheet aluminum with a minimum thickness of 0.062", and shall be finished with an attractive and durable protective coating. Model, serial number, and program information shall be permanently displayed on the top surface.

### **(2) Electronics**

a) Microprocessor Monitor. A microprocessor shall be used for all timing and control functions. Continuing operation of the microprocessor shall be verified by an independent monitor circuit, which shall force the OUTPUT RELAY to the de-energized "fault" state and illuminate the DIAGNOSTIC indicator if a pulse is not received from the microprocessor within a defined period not to exceed 500 ms. Only an MMU Power Failure shall reset the DIAGNOSTIC fault state of the monitor.

b) RMS Voltage Measurement. High speed sampling techniques shall be used to determine the true RMS value of the AC field inputs. Each AC input shall be sampled at least 32 times per line cycle. The RMS voltage measurement shall be insensitive to phase, frequency, and waveform distortion.

c) Sockets. In the interest of reliability, no IC sockets shall be used.

d) Battery. All user programmed configuration settings shall be stored in an electrically erasable programmable read-only memory (EEPROM). Designs using a battery to maintain configuration data shall not be acceptable. If a battery is used, it shall provide power only to the real time clock.

e) Field Input Terminals. All 120 VAC field terminal inputs shall provide an input impedance of at least 150K ohms and be terminated with a discrete resistor having a power dissipation rating of 0.5 Watts or greater.

f) Component Temperature Range. All electrical components used in the MMU except the front panel Status LCD shall be rated by the component manufacturer to operate over the full NEMA temperature range of -34oC to +74oC.

g) Printed Circuit Boards. All printed circuit boards shall meet the requirements of the NEMA Standard plus the following requirements to enhance reliability:

- i) All plated-through holes and exposed circuit traces shall be plated with solder.
- ii) Both sides of the printed circuit board shall be covered with a solder mask material.
- iii) The circuit reference designation for all components and the polarity of all capacitors and diodes shall be clearly marked adjacent to the component. Pin #1 for all integrated circuit packages shall be designated on both sides of all printed circuit boards.
- iv) All printed circuit board assemblies shall be coated on both sides with a clear moisture-proof and fungus-proof sealant.

### (3) Front Panel and Connectors

a) MMU Status Display. Four line by 20 character alpha-numeric LCD display shall be provided to report MMU status, time and date, menu navigation, etc. This display shall be separate from the full intersection channel status display.

b) Full Intersection Channel Status Display. A separate Red, Yellow, and Green indicator shall be provided for the channel status LCD display for each channel to show full intersection status simultaneously. For Type 12 mode operation a separate Red, Yellow, Green and Walk indicator shall be provided for each channel to show full intersection status simultaneously. Individual icons shall also be provided to indicate channels involved in a fault.

c) LED Display Indicators. The following LED display indicators shall be provided:

- i) Power Indicator. The green POWER indicator shall flash at a rate of 2Hz when the AC LINE voltage is below the drop-out level. It shall illuminate steadily when the AC LINE voltage returns above the restore level. It shall extinguish when the AC Line voltage is less than 75 Vrms.
- ii) Fault Indicator. The red FAULT indicator shall illuminate when the MMU is in the fault mode and the OUTPUT relay has transferred to the Fault position.
- iii) Port 1 Receive Indicator. The yellow RECEIVE indicator shall illuminate for a 40 msec pulse each time a Port 1 message is correctly received from the Controller Unit.
- iv) Port 1 Transmit Indicator. The yellow TRANSMIT indicator shall illuminate for a 40 msec pulse each time a Port 1 message is transmitted from the MMU.
- v) EIA-232 Receive Indicator. The yellow COMM indicator shall illuminate for a 40 msec pulse each time a message is correctly received on the EIA-232 port.
- vi) Diagnostic Indicator. The red DIAGNOSTIC indicator shall illuminate when the MMU has detected an internal diagnostic failure.

d) Controls. All displays, controls, and connectors shall be mounted on the front panel of the MMU.

- i) Help Button. A momentary contact button shall be provided the initiates the context sensitive help system described in 0.

e) MS Connectors. The MS connectors on the MMU shall have a metallic shell and be attached to the chassis internally. The connectors shall be mounted on the front of the unit according to the following: Connector A shall intermate with a MS 3116 22-55 SZ, and Connector B shall intermate with a MS 3116 16-26 S.

In the interest of reliability and repair ability, printed circuit board mounted MS connectors shall not be acceptable. Internal MS harness wire shall be a minimum of AWG #22, 19 strands.

f) EIA-232 Port. The EIA-232 port shall be electrically isolated from the MMU electronics using optical couplers and shall provide a minimum of 2500 Vrms isolation. The connector shall be an AMP 9721A or equivalent 9 pin metal shell D subminiature type with female contacts. Pin assignments shall be as shown in the following table:

g)

| PIN | FUNCTION                  |
|-----|---------------------------|
| 1   | DCD*                      |
| 2   | TX DATA                   |
| 3   | RX DATA                   |
| 4   | DTR (Data Terminal Ready) |
| 5   | SIGNAL GROUND             |
| 6   | DSR*                      |
| 7   | DSR*                      |
| 8   | CTS*                      |
| 9   | NC                        |

\*Jumper options shall be provided to allow the connection of Pin #4 to be made with Pin #7, and the connection of Pin #8 to be made with Pin #1 and or Pin #6.

(4) Monitor Configuration Parameters. All Nema standard configuration parameters shall be provided by a program card meeting the requirements of clause 4.3.6 of Nema TS-2. All configuration parameters for functions and options beyond the requirements of the standard shall be stored in non-volatile memory within the MMU. This memory shall be programmable from the front panel menu driven interface, data downloaded via the EIA-232 port, or loaded from shadow memory located on the program card (see 0).

(5) Program Card Memory . The program card supplied with the MMU shall provide non-volatile memory that contains the configuration parameters for the enhanced features of the MMU, such that transferring the program card to a different MMU completely configures that MMU. The non-volatile memory device used on the program card shall not utilize any I/O pins designated as "Reserved" by Nema TS-2.

## E Event Logging Functions

(1) General. The MMU shall be capable of storing in non-volatile memory a minimum of 100 events. Each event shall be marked with the time and date of the event. These events shall consist of fault events, AC Line events, reset events, and configuration change events. The capability to assign a four digit identification number and 30 character description to the unit shall be provided. The event logs shall be uploaded to a PC using the serial port of the MMU and Windows based software provided by the manufacturer.

Each event log report shall contain the following information:

- a) Monitor ID#: a four digit (0000-9999) ID number and 30 character description assigned to the monitor.
- b) Time and Date: time and date of occurrence.
- c) Event Number: identifies the record number in the log. Event #1 is the most recent event.

### (2) Reports

- a) Monitor Status Report (CS). The Current Status report shall contain the following information:
  - i) Fault Type: the fault type description.
  - ii) Field Status: the current GYR(W) field status and field RMS voltages if the monitor is not in the fault state, or the latched field status and field RMS voltages and fault channel status at the time of the fault.
  - iii) Cabinet Temperature: the current temperature if the monitor is not in the fault state, or the latched temperature at the time of the fault.
  - iv) C Line Voltage: the current AC Line voltage and frequency if the monitor is not in the fault state, or the AC Line voltage and frequency at the time of the fault.
  - v) Control Input Status: the current state and RMS voltages of the Red Enable input and Load Switch Flash bit input if the monitor is not in the fault state, or the status latched at the time of the fault.



- b) Previous Fault Log (PF). The Previous Fault log shall contain the following information:
  - i) Fault Type: the fault type description.
  - ii) Field Status: the latched field status with RMS voltages, fault channel status, RP Detect status and Field Check status at the time of the fault.
  - iii) Cabinet Temperature: the latched temperature at the time of the fault.
  - iv) AC Line Voltage: the AC Line voltage and frequency at the time of the fault.
  - v) Control Input Status: the latched state of the Red Enable input at the time of the fault.
- c) AC Line Event Log (AC) The AC Line log shall contain the following information:
  - i) Event Type: describes the type of AC Line event that occurred.
    - Power-up - AC on, monitor performed a cold start
    - Interrupt - AC Line < Brownout level
    - Restore - AC restored from AC brown-out or AC interruption (AC Off), no cold start
  - ii) AC Line Voltage: the AC Line voltage and frequency at the time of the event.
- d) Monitor Reset Log (MR) The Monitor Reset log shall contain the following information:
  - i) The monitor was reset from a fault by the front panel Reset button, or External Reset input, or a non-latched event clear.
- e) Configuration Change Log (CF) The Configuration Change log shall contain the following information:
  - i) The status of all configuration programming including the contents of the Program Card.
  - ii) Any configuration programming inputs such as 24V Inhibit, Port 1 Disable, Type Select.
  - iii) Configuration Check Value: A unique check value that is based on the configuration of items #a and #b above.

The log shall also indicate which items have been changed since the last log entry.

- f) Signal Sequence Log (SSQ) A minimum of five logs shall be provided that graphically display all field signal states and Red Enable for up to 30 seconds prior to the current fault trigger event. The resolution of the display shall be at least 50 milliseconds.

### (3) Remote Monitor Configuration

- a) Setup Wizard A setup mode shall be provided by the Windows based software that automatically configures the Dual Indication enable, Field Check enable, Red Fail enable, and Minimum Yellow Plus Red Clearance enable parameters from user input consisting only of channel assignment and class (vehicle, ped, pp-turn, etc.) responses.
- b) Upload From File All configuration parameters for functions and options beyond the requirements of the standard shall be programmable by transferring a file from a PC to the MMU via the front panel EIA-232 port. These parameters shall be stored in nonvolatile memory in the MMU.
- c) Download to File All configuration parameters for functions and options beyond the requirements of the standard shall be downloadable to a PC by transferring a file from the MMU to a PC via the front panel EIA-232 port.

## F Cabinet and Cabinet Equipment

- a. Each controller shall be furnished completely housed in a door-in-door ground mounted metal cabinet that meets the requirements for a TS2 Type 2 traffic control cabinet assembly. The cabinet assembly shall meet, as a minimum, all applicable sections of the NEMA Standard Publication No. TS2-1992. Where differences occur, this specification shall govern.
- b. Each eight phase cabinet shall consist of a size P cabinet capable of being base mounted, type three configuration main panel, 8 position (16 loop) detector rack, and auxiliary equipment as defined this specification.

c. Cabinet Construction

Each cabinet shall be constructed from type 5052-H32 aluminum with a minimum thickness of 0.125 inches.

Each cabinet shall be designed and manufactured with materials that will allow rigid mounting, whether intended for pole, base or pedestal mounting. The cabinet must not flex on its mount.

A rain channel shall be incorporated into the design of the main door opening to prevent liquids from entering the enclosure. Each cabinet door opening must be a minimum of 80 percent of the front surface of the cabinet. A stiffener plate shall be welded across the inside of the main door to prevent flexing.

The top of each cabinet shall incorporate a 1-inch slope toward the rear to prevent rain accumulation.

Each cabinet shall be supplied with a natural aluminum finish unless otherwise noted. Sufficient care shall be taken in handling to ensure that scratches are minimized. All surfaces shall be free from weld flash. Welds shall be smooth, neatly formed, free from cracks, blowholes and other irregularities. All sharp edges shall be ground smooth.

All seams shall be sealed with RTV sealant or equivalent material on the interior of the cabinet.

All cabinets shall be supplied with two easily removable shelves manufactured from 5052-H32 aluminum. Shelves shall be a minimum of 10 inches deep.

The shelf shall have horizontal slots at the rear and vertical slots at the front of the turned down side flange. The shelf shall be installed by first inserting the rear edge of the shelf on the cabinet rear sidewall mounting studs, then lowering the shelf on the front sidewall mounting studs. The shelf shall be held in place by a nylon tie-wrap inserted through holes on the front edge of the shelf and around the front sidewall mounting studs.

The front edge of the upper shelf shall have holes punched every 6 inches to accommodate tie wrapping of cables/harnesses.

One set of vertical "C" channels shall be mounted on each interior wall of the cabinet for the purpose of mounting the cabinet components. The channels shall accommodate spring-mounted nuts or studs. All mounting rails shall extend to within 7 inches of the top and bottom of the cabinets. Sidewall rail spacing shall be 7.88 inches center-to-center. Rear wall rail spacing shall be 18.50 inches center-to-center. (Size 5 and 6 cabinets) or 7.88 inches in size 3 cabinets. The rails shall be mounted to the cabinet with bolts (pressed into plates welded to interior of cabinet) to form a modular assembly.

The main door and police door-in-door shall close against a weatherproof and dust-proof, closed-cell neoprene gasket seal. The gasket material for the main door shall be a minimum of 0.250 inches thick by 1.00 inch wide. The gasket material for the police door shall be a minimum of 0.250 inches thick by 0.500 inches wide. The gaskets shall be permanently bonded to the cabinet.

The lower section of the cabinet door shall be equipped with a louvered air entrance. The air inlet shall be large enough to allow sufficient airflow per the rated fan capacity. Louvers must satisfy the NEMA rod entry test for 3R ventilated enclosures. A non-corrosive, vermin- and insect-proof, removable air filter shall be secured to the air entrance. The filter shall fit snugly against the cabinet door wall.

The roof of the cabinet shall incorporate an exhaust plenum with a vent screen. Perforations in the vent screen shall not exceed 0.125 inches in diameter.

The main door hinge shall be a one-piece, continuous piano hinge with a stainless steel pin running the entire length of the door. The hinge shall be attached in such a manner that no rivets or bolts are exposed.

The main door of a size 5 or larger cabinet shall include a mechanism capable of holding the door open at approximately 90, 125, and 150 degrees under windy conditions. Manual placement of the mechanism shall not be required by the field technician. The main door of a size 3 cabinet shall include a mechanism capable of holding the door open at approximately 90 and 150 degrees under windy conditions.

The main door shall be equipped with a Corbin tumbler lock number 1548-1. Two keys shall be supplied.

The police door-in-door shall be provided with a treasury type lock Corbin No. R357SGS or exact equivalent and one key.

Each cabinet shall be of sufficient size to accommodate all equipment. At a minimum, the minimal cabinet size is as follows:

- Size P cabinet - 52" H x 44" W x 24" D

d. TERMINALS AND FACILITIES/MAIN PANEL DESIGN AND CONSTRUCTION

The main panel shall be constructed from 5052-H32 brushed aluminum of 0.125 inches minimum thickness and formed so as to minimize any flexing when plug-in components are installed.

All position main panels shall be hinged at the bottom to allow easy access to all wiring on the rear of the panel.

The main panel shall be fully wired in the following configuration:

Type 3 Configuration - Twelve load switch sockets, six flash transfer relay sockets, one flasher socket and two main panel BIU rack slots.

All load switch and flash transfer relay socket reference designators shall be silk-screen labeled on the front and rear of the main panel to match drawing designations. Socket pins shall be marked for reference on the rear.

Up to eight load switch sockets may be positioned horizontally or stacked in two rows on the main panel. Main panels requiring more than eight load switch sockets shall be mounted in two horizontal rows.

All load switches shall be supported by a bracket extending at least half the length of the load switch.

Rack style mounting shall be provided to accommodate the required BIUs per the configuration listed in section 3.3 above. A dual-row, 64-pin female DIN 41612 Type B connector shall be provided for each BIU rack position. Card guides shall be provided for both edges of the BIU. Terminal and facilities BIU mounting shall be an integral part of the main panel. Detector rack BIU mounting shall be an integral part of the detector rack.

All BIU rack connectors shall have pre-wired address pins corresponding to the requirements of the TS2 specification. The address pins shall control the BIU mode of operation. BIUs shall be capable of being interchanged with no additional programming.

The 12- load switch position main panels shall have all field wires contained on two rows of horizontally mounted terminal blocks. The upper row shall be wired for the pedestrian and overlap field terminations. The lower row shall be reserved for phase one through phase eight vehicle field terminations.

All field output circuits shall be terminated on a barrier type terminal block with a minimum rating of 60 amps.

All field input/output (I/O) terminals shall be identified by permanent alphanumeric labels. All labels shall use standard nomenclature per the NEMA TS2 specification.

All field flash sequence programming shall be accomplished at the field terminals with the use of a screwdriver only.

Field terminal blocks shall be wired to use four positions per vehicle or overlap phase (green, yellow, red, flash). It shall not be necessary to de-bus field terminal blocks for flash programming.

It shall also be possible to program which flasher circuit the phase shall be connected to.

The main panel shall contain at least one flasher socket (silk screen labeled) capable of operating a 15-amp, 2-pole, NEMA solid state flasher. The flasher shall be supported by a bracket that extends at least half its length.

One RC network shall be wired in parallel with each group of three flash-transfer relays and any other relay coils.

All logic-level, NEMA-controller and Malfunction Management Unit input and output terminations on the main panel shall be permanently labeled. Cabinet prints shall identify the function of each terminal position.

At a minimum, two 20-position terminal blocks shall be provided at the top of the main panel to provide access to the controller unit's programmable and non-programmable I/O. Terminal blocks for DC signal interfacing shall have a number 6-32 x 7/32 inch screw as minimum.

All main panel wiring shall conform to the following wire size:

|  |                    |
|--|--------------------|
| Green/Walk load switch output                        | - 14 gauge         |
| Yellow load switch output                            | - 14 gauge         |
| Red/Don't Walk load switch output                    | - 14 gauge         |
| MMU (other than AC power)                            | - 22 gauge         |
| Controller I/O                                       | - 22 gauge         |
|  |                    |
| AC Line (power panel to main panel,(1 for each 4 LS) | - 10 gauge         |
| AC Line (main panel)                                 | - 14 gauge         |
| AC Neutral (power panel to main panel)               | - 10 gauge         |
| Earth ground (power panel)                           | - 8 gauge          |
| Logic ground   | - 22 gauge         |
| Flash programming                                    | - flasher terminal |
|  | - 14 gauge         |
|  | - field terminal   |
|  | - 14 gauge         |

All wiring, 14 AWG and smaller, shall conform to MIL-W-16878/1, type B/N, 600V, 19-strand tinned copper. The wire shall have a minimum of 0.010 inches thick PVC insulation with clear nylon jacket and rated to 105 degrees Celsius. All 12 AWG and larger wire shall have UL listed THHN/THWN 90 degrees Celsius, 600V, 0.020 inches thick PVC insulation and clear nylon jacketed.

All controller and Malfunction Management Unit cables shall be of sufficient length to allow the units to be placed on either shelf or the outside top of the cabinet in the operating mode. Connecting cables shall be sleeved in a braided nylon mesh. The use of exposed tie-wraps or interwoven cables are unacceptable.

All cabinet configurations shall be provided with enough RS-485 Port 1 communication cables to allow full capabilities of that cabinet. Each communication cable connector shall be a 15-pin metal shell D subminiature type. The cable shall be a shielded cable suitable for RS-485 communications.

All main panels shall be pre-wired for a Type-16 Malfunction Management Unit.

Provide necessary terminal for video detection.

All wiring shall be neat in appearance. All cabinet wiring shall be continuous from its point of origin to its termination point. Butt type connections/splices are not acceptable.

All control cables shall be protected by a nylon jacket or equivalent protection to prevent any contact with cabinet metal shelves, doors and any other sharp corners.

All connecting cables and wire runs shall be secured by mechanical clamps. Stick-on type clamps are not acceptable.

The grounding system in the cabinet shall be divided into three separate circuits (AC Neutral, Earth Ground, and Logic Ground). These ground circuits shall be connected together at a single point as outlined in the NEMA TS2 Standard.

All pedestrian pushbutton inputs from the field to the controller shall be opto-isolated through the BIU and operate at 12 VAC.

All wire (size 16 AWG or smaller) at solder joints shall be hooked or looped around the eyelet or terminal block post prior to soldering to ensure circuit integrity. Lap joint soldering is not acceptable.

e. POWER PANEL DESIGN AND CONSTRUCTION

The power panel shall consist of a separate, wholly enclosed module, securely fastened to the right sidewall of the cabinet. The power panel shall be wired to provide the necessary power to the cabinet, controller, Malfunction Management Unit, cabinet power supply and auxiliary equipment.

f. AUXILIARY CABINET EQUIPMENT

The cabinet shall be provided with a thermostatically controlled (adjustable between 80-150 degrees Fahrenheit) ventilation fan in the top of the cabinet plenum. The fan shall be a ball bearing type fan and shall be capable of drawing a minimum of 100 cubic feet of air per minute. 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.

A 25-watt incandescent lamp shall be included. The lamp shall be wired to a door activated switch mounted near the top of the door.

Provide a 15 amp circuit breaker for auxiliary equipment, 20 amp circuit breaker for street lights and a non-GFI outlet for additional equipment.

Provide all necessary hardware to accommodate fiber optic interconnect and Ethernet communications.

Provide a photocell and contactor for street lighting powered from signal cabinet.

Provide an Ethernet switch and a fiber/Ethernet modem.

Install all additional control units in cabinet per plans. Control units include, but are not limited to, audible pedestrian push button control unit, emergency vehicle preemption control device including card rack, and video detection processor.

Provide a sealable print pouch shall be mounted to the door of the cabinet. The pouch shall be of sufficient size to accommodate one complete set of cabinet prints.

Provide two sets of complete and accurate cabinet drawings shall be supplied with each cabinet.

Provide one set of manuals for each controller supplied.

g. VEHICLE DETECTION

A vehicle detector amplifier rack shall be provided in each cabinet. Detector racks shall be in the following configuration.

Shall support up to 16 channels of loop detection and one BIU.

Each cabinet shall contain detector interface panels for the purpose of connecting field loops and vehicle detector amplifiers. The panels shall be manufactured from FR4 G10 fiberglass, 0.062 inches thick, with a minimum of 2 oz. of copper for all traces.

One 16-position interface panel shall be provided for each 16-channel rack. The interface panel shall be secured to a mounting plate and attached to the left sidewall of the cabinet.

Each interface panel shall allow for the connection of eight or sixteen independent field loops. A ground bus terminal shall be provided between each loop pair terminal to provide a termination for the loop lead-in cable ground wire.

Lightning protection device mounting holes shall be provided to accommodate an Edco SRA-16C, or Edco SRA-6, or Edco LCA-6, or a varistor lightning protection device. Lightning protection devices shall not be provided.

A cable consisting of 20 AWG twisted pair wires shall be provided to enable connection to and from the panel to a detector rack. The twisted pair wires shall be color-coded red and white wires.

All termination points shall be identified by a unique number and silk screened on the panel.

Each detector rack shall be powered by the cabinet power supply (refer to section 9.6 of this specification).

h. CABINET TEST SWITCHES AND POLICE PANEL

A test switch panel shall be mounted on the inside of the main door. The test switch panel shall provide the following:

- (1) AUTO/FLASH SWITCH. When in the flash position, power shall be maintained to the controller and the intersection shall be placed in flash. The controller shall not be stop timed when in flash.
- (2) STOP TIME SWITCH. When applied, the controller shall be stop timed in the current interval.
- (3) CONTROL EQUIPMENT POWER ON/OFF. This switch shall control the controller, MMU, and cabinet power supply AC power.

The police door switch panel shall contain the following:

- (1) SIGNALS ON/OFF SWITCH. In the OFF position, power shall be removed from signal heads in the intersection. The controller shall continue to operate. When in the OFF position, the MMU shall not conflict or require reset.
- (2) FLASH/NORMAL SWITCH. In the flash position, power shall not be removed from the controller and stop time shall be applied.

All toggle type switches shall be heavy duty and rated 15 amps minimum. Single- or double-pole switches may be provided, as required.

Any exposed terminals or switch solder points shall be covered with a non-flexible shield to prevent accidental contact.

All switch functions must be permanently and clearly labeled.

All wire routed to the police door-in-door and test switch pushbutton panel shall be adequately protected against damage from repetitive opening and closing of the main door.

All test switch panel wiring shall be connected to the main panel via a multiple pin type connector.

i. AUXILIARY DEVICES

Load Switches

Load switches shall be solid state and shall conform to the requirements of Section 6.2 of the NEMA TS2 Standard.

Load switches shall be dedicated per phase. The use of load switches for other partial phases is not acceptable.

Flashers

The flasher shall be solid state and shall conform to the requirements of section 6.3 of the NEMA TS2 Standard.

Flash Transfer Relays

All flash transfer relays shall meet the requirements of Section 6.4 of the NEMA TS2 Standard.

The coil of the flash transfer relay must be de-energized for flash operation.

Bus Interface Units

All Bus Interface Units (BIUs) shall meet the requirements of Section 8 of the NEMA TS2 Standard.

The full complement of Bus Interface Units shall be supplied with each cabinet to allow for maximum phase and function utilization for which the cabinet is designed. BIU's shall be from the same manufacture as the controller manufacture used in the city.

Each Bus Interface Unit shall include power on, transmit and valid data indicators. All indicators shall be LEDs.

#### Cabinet Power Supply

The cabinet power supply shall meet the requirements of Section 5.3.5 of the NEMA TS2 Standard.

The cabinet power supply shall provide LED indicators for the line frequency, 12 VDC, 12 VAC, and 24 VDC outputs.

The cabinet power supply shall provide (on the front panel) jack plugs for access to the +24 VDC for test purposes.

One cabinet power supply shall be supplied with each cabinet assembly.

### **G Equipment List and Drawings**

Detailed shop drawings of the control cabinet, equipment layout drawings and wiring diagrams of all equipment installed in the controller cabinet shall be submitted to the city 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, the contractor shall 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.

### **H Warranty**

(1) 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.

- a. A manufacturer or vendor warranty statement which stipulates that equipment to be supplied shall be warranted for two years from the date of purchase.
- b. Operations manuals.
- c. Maintenance manuals.
- d. Schematic diagrams.
- e. Component and equipment locations within the cabinet.

(2) 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 city shall then return the spare component to the supplier.

(3) 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 city may have sustained by reason of the failure of the contractor to comply with the provisions of the warranty provided to the owner.

(4) 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 city shall return the spare component to the supplier.

#### **I Measurement**

The department will measure Furnish and Install Traffic Signal Controller and Cabinet by each unit, acceptably completed.

#### **E Payment**

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

| ITEM NUMBER | DESCRIPTION   | UNIT |
|-------------|---|------|
| SPV.0060.38 | Furnish and Install Traffic Signal Controller and Cabinet W St Paul Ave & Wisconsin Ave | EACH |
| SPV.0060.39 | Furnish and Install Traffic Signal Controller and Cabinet W St Paul Ave & Madison St    | EACH |

Payment is full compensation for furnishing and installing the signal controller and conflict monitor together with cabinet, all required control units, all additional harnesses for preemption, switches for flashing operation, and fittings as are necessary to assure that the controller will perform the said functions.

The department will pay separately for controller programming.

### **61. Furnish and Install Audible Pedestrian Push Button System W St Paul Ave & Wisconsin Ave, Item SPV.0060.40; Furnish and Install Audible Pedestrian Push Button System W St Paul Ave & Madison St, Item SPV.0060.41.**

#### **A Description**

This special provision describes providing vandal resistant Audible Pedestrian Signal and push button assemblies that provides a vibro-tactile ADA compliant 2-Inch push button with a raised directional arrow and custom message sounds during the walk cycle. During the “ped clearance” and “don’t walk” intervals locating sounds are emitted from inside the unit via a weatherproof speaker. The unit shall use existing 2-pair push button wires and interface with a single control unit located in the traffic control cabinet.

#### **B Materials**

Furnish pedestrian push buttons conforming to all of the following requirements:

##### Audible Pedestrian Signal Push Button

1. The Audible Pedestrian Push Button System shall be the Polara iCCU-S2 model.
2. Sunlight visible “Red LED” lights when the button is pushed and remains on until the walk phase goes into effect.
3. Audible “Tick” sound is heard each time the button is pushed, as well as tactile feedback given.
4. Extended push button can turn on boost volumes, and/or mute all sounds except those on actuated crosswalk.
5. All audible sounds automatically adjust in volume in relation to ambient noise level.
6. Audio Amplifier Power Output: 15 W, 8 ohm, weatherproof.
7. Provide separate volume controls for locator tone, walk message, Clearance and extended button volumes.
8. Volume Control Automatic Adjustment Range: 35 dB max.
9. Microphone For Ambient Noise approximate frequency range: 170 Hz to 2.3 kHz.
10. Jumper Selectable Options: Chirp, Cuckoo, Walk Message, Rest In Walk, Location Message, Extended Push of Activation and Locating Tone.



11. Audible Locating Tone: 880 Hz plus harmonic, 0.1-second duration, 1-second interval. Operates during ped clearance and don't walk interval. All tones shall meet MUTCD requirements.
12. Option standard locating tone, custom sound or verbal count down during PED Clearance and multiple voice message languages. Provide custom walk message, direction of travel and/or emergency vehicle warning message.
13. All sounds are synchronized. Sound alternate in front of the pedestrian and behind the pedestrian during the walking and/or ped clearance phase ("Ping Pong" feature).
14. Temperature Range: -40 degrees F to 165 degrees F.
15. Wind sensor to prevent runaway volume during windy conditions.
16. System can self-test and fault report to a remote site for real-time monitoring and system maintenance. Conflict Detect: WALK indication is ignored in the event of a WALK/DON'T WALK conflict.
17. Pedestrian Push Button Interface accepts 12 to 48 AC/DC. Capable of global configuration changes and/or single unit changes.
18. Dimensions: Length: 14.09-Inch, Width: 5.4-Inch, Depth: 2.2-Inch.
19. Frame: cast aluminum, powder coated yellow.
20. Face Plate: aluminum, powder coated, painted black background.
21. Arrow Push Button: aluminum, powder coated. Direction of arrow can adjust to one of four directions.
22. Push Button: ADA compliant, cast aluminum, nickel plated, powder coated. Vibrator Power shall be 15 VDC pulsed. Operates during walk interval only. Speaker: 8 ohm, 15 W MAX, weather proof.

#### Central Control Unit.

The control unit is the power supply and signaling interface between the existing intersection traffic controller and the pedestrian push button unit. The pedestrian control unit shall control up to 12 push button units and 4 pedestrian phases. The pedestrian control unit shall be housed inside the existing traffic controller cabinet and powered by the AC supply mains (115 VAC). The interface cable shall be included and considered incidental to the contract.

1. Pedestrian Walk/Don't Walk Inputs; Optically Isolated 80 – 150 Volts AC/DC 5mA Maximum.
2. General Purpose Outputs and Pedestrian Outputs; Optically Isolated 36 Volts AC/DC Peak, .3A Solid State Fused Contact Closure.
3. Fault Output; Normally Open and Closed Relay Contacts 125 Volts AC/DC 1A Maximum.
4. 4 Phase Pedestrian Push Button Power Output; Nominal 22 Volts DC, Short Circuit Protected – Auto Recovering.
5. General Purpose Inputs; 10 – 36 Volts AC/DC Peak 10mA Maximum, Optically Isolated.

#### **C Construction**

Install the Audible Pedestrian Push Button System as a complete unit per manufacturer installation requirements.

#### **D Measurement**

The department will measure Furnish and Install Audible Pedestrian Push Button System by each unit, acceptably completed.

## E Payment

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

| ITEM NUMBER | DESCRIPTION   | UNIT |
|-------------|---|------|
| SPV.0060.40 | Furnish and Install Audible Pedestrian Push Button System W St Paul Ave & Wisconsin Ave | EACH |
| SPV.0060.41 | Furnish and Install Audible Pedestrian Push Button System W St Paul Ave & Madison St    | EACH |

Payment is full compensation for furnishing and installing all materials.

## 62. **Furnish and Install Emergency Vehicle Preemption System W St Paul Ave & Wisconsin Ave, Item SPV.0060.42; Furnish and Install Emergency Vehicle Preemption System W St Paul Ave & Madison St, Item SPV.0060.43.**

### A Description

This special provision describes furnishing and installing an Emergency Vehicle Preemption (EVP) System at a single intersection, as shown on the plans and as hereinafter provided.

### B Materials

The Emergency Vehicle Preemption System shall include Tomar Strobecom II with DETOC series detectors with LED confirmation light. This equipment shall be furnished and installed by the contractor.

EVP Detector Cable will be paid for separately under Standard Pay Item 655.0900 Traffic Signal EVP Detector Cable.

Detectors shall be mounted on the mast arms and signal poles as shown on the plans.

The traffic signal mast arms and poles shall be drilled and tapped to accommodate the mounting of the detector units as shown in the plans. The installation method shall be approved by the City Traffic Engineer.

In the event, at installation, a noticeable obstruction is present in line with the detector, the contractor shall be obligated to advise the engineer before installation.

Unless otherwise directed by the city, the detector shield tube shall be installed with the drain hole at the bottom.

There shall be NO detector cable splices from the detector assembly to the controller terminations.

The EVP detector cables shall be routed to the controller. Each lead shall be appropriately marked as to which street or avenue it is associated. The contractor will perform all terminations inside the cabinet.

The EVP as specified and shown in the plans shall be complete in place, tested, and in full operation.

### C Construction

Install the EVP detector heads with confirmation lights and mounting brackets as shown on the plans. The department will determine the exact location to ensure that the installation does not create a sight obstruction. The contractor will terminate the EVP cable ends and install the discriminators and card rack in the cabinet.

### D Measurement

The department will measure Furnish and Install Emergency Vehicle Preemption System by each unit, acceptably completed.

## E Payment

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

| ITEM NUMBER | DESCRIPTION   | UNIT |
|-------------|---|------|
| SPV.0060.42 | Furnish and Install Emergency Vehicle Preemption System W St Paul Ave & Wisconsin Ave | EACH |
| SPV.0060.43 | Furnish and Install Emergency Vehicle Preemption System W St Paul Ave & Madison St    | EACH |

Payment is full compensation for furnishing and installing the Emergency Vehicle Preemption System (EVP) including detector heads with confirmation lights, mounting brackets, cabling, discriminators, auxiliary interface panels testing, and setting up the system.

**63. Relocate Existing Wireless Communications Antenna, Item SPV.0060.44.**

**A Description**

This special provision describes removing an existing wireless radio communication antenna and reinstalling it on a new signal pole.

**B (Vacant)**

**C Construction**

W. St. Paul and W. North / Wisconsin intersection:

As noted on the removal and proposed signal plan, the existing signal communications antenna and all related components in the existing signal cabinet, shall be removed, stored and reinstalled into the new signal cabinet and indicated pole.

The existing antenna cable will be removed and discarded. A new antenna cable will be installed from the controller to the antenna.

Contractor to provide a new wireless radio antenna cable. Said cable is incidental to this SPV pay item. If necessary, contractor will provide new mounting brackets.

Antenna is to face the intersection of Wisconsin and Clinton Street.

Contractor shall ensure that the relocated antenna will communicate with the Wisconsin and Clinton Street intersection and with the overall signal interconnect system.

**D Measurement**

The department will measure Relocate Existing Wireless Communications Antenna by each unit, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                                       | UNIT |
|-------------|---|------|
| SPV.0060.44 | Relocate Existing Wireless Communications Antenna | EACH |

Payment is full compensation for furnishing and installing all materials.

**64. Furnish and Install Vehicle Video Detection System W St Paul Ave & Wisconsin Ave, Item SPV.0060.45;  
Furnish and Install Vehicle Video Detection System W St Paul Ave & Madison St., Item SPV.0060.46.**

**A Description**

This special provision describes furnishing and installing a system that detects vehicles on a roadway using only video images of vehicle traffic. This item includes all materials and labor necessary to install a completely functional vehicle detection system including but not limited to cameras, processors, video monitor, mounting hardware, power cable, and coaxial cable.

The video detection system shall be Iteris, Inc. Vantage Next detection system.

**B Materials**

**B.1 System Hardware**

The video detection system (VDS) shall consist of up to four video cameras, a video detection processor (VDP) capable of processing from one to four video sources, either wired or wireless, wireless video transmission receiver, receiver antenna and a pointing device.

**B.2 System Software**

The system shall include software that detects vehicles in multiple lanes using only the video image. Detection zones shall be defined using only an on board video menu and a pointing device to place the zones on a video image. Up to 24 detection zones per camera view shall be available. A separate computer shall not be required to program the detection zones.

## C Construction

### C.1 System Configuration

The VDS will be deployed at locations where site conditions and roadway geometry vary. The VDS system may also be deployed at locations where existing cabinets or equipment exist. Existing site configurations will dictate the availability of cabinet space and VDS usage.

The proposed VDS shall be available in various configurations to allow maximum deployment flexibility. Each configuration shall have identical user interface for system setup and configuration. The communications protocol to each configuration shall be identical and shall be hardware platform independent. The proposed VDS shall have multiple configurations available for deployment.

**Table 1. VDS Configuration**

| <b>Description</b>          | <b>No. Video Inputs</b> | <b>No. Video Outputs</b> | <b>Mounting Configuration</b>                  | <b>Power Supply Requirements</b> |
|-----------------------------|-------------------------|--------------------------|--|----------------------------------|
| Single-Channel Rack Mounted | 1                       | 1                        | Rack Mount (Type 170 or NEMA TS-1, TS-2 Racks) | 12/24 VDC Power From Rack        |
| Dual-Channel Rack Mounted   | 2                       | 1                        | Rack Mount (Type 170 or NEMA TS-1, TS-2 Racks) | 12/24 VDC Power From Rack        |
| Quad-Channel Rack Mounted   | 4                       | 1                        | Rack Mount (Type 170 or NEMA TS-1, TS-2 Racks) | 12/24 VDC Power From Rack        |

- a. An option to have wireless video transmission between the camera sensor and VDP shall also be available from the VDS manufacturer.
- b. Wired camera systems shall be able to transmit NTSC or PAL video signals, with minimal degradation, up to 1000 feet under ideal conditions.
- c. Wireless camera systems shall be able to transmit an NTSC video signal, with minimal signal degradation, up to 500 feet under normal conditions and up to 900 feet under ideal electromagnetic interference conditions. Adjacent sources of electromagnetic radiation, or the absence of a direct line of sight between transmitter and receiver antennas, may result in video signal degradation.

### C.2 System Interfaces

The following interfaces shall be provided for each of the configurations identified in Table 1.

- a. Video Input: Each video input shall accept RS170 (NTSC) or CCIR (PAL) signals from an external video source (camera sensor or VCR). The interface connector shall be BNC type and shall be located on the front of the video processing unit. The video input shall have the capability to select 75-ohm or high impedance (Hi-Z) termination.
- b. Video Lock LED: A LED indicator shall be provided to indicate the presence of the video signal. The LED shall illuminate upon valid video synchronization and turn off when the presence of a valid video signal is removed.
- c. Video Output: One video output shall be provided. The video output shall be RS170 or CCIR compliant and shall pass through the input video signal. For multi-channel video input configurations, a momentary push-button shall be provided on the front panel to toggle through each input video channel. In the absence of a valid video signal, the channel shall be skipped, and the next valid video signal shall be switched. The video output shall have the capability to show text and graphical overlays to aid in system setup. The overlays shall display real-time actuation of detection zones upon vehicle detection or presence. Overlays shall be able to be turned off by the user. Control of the overlays and video switching shall also be provided through the serial communications port. The video output interface connector shall be BNC type.

Serial Communications: A serial communications port shall be provided on the front panel. The serial port shall compliant with EIA232 electrical interfaces and shall use a DB9 type connector. The serial communications interface shall allow the user to remotely configure the system and/or to extract calculated vehicle/roadway information. The interface protocol shall be documented, or interface software shall be provided. The interface protocol shall support multi-drop or point-to-multipoint communications. Each VDS shall have the capability to be addressable.

- d. Contact Closure Output: Open collector contact closure outputs shall be provided. Four open collector outputs shall be provided for the single, dual or quad channel rack-mount configuration. Additionally, the VDPs shall allow the use of extension modules to provide up to 24 open collector contact closures per camera input. Each open collector output shall be capable of sinking 30 mA at 24 VDC. The open collector output will be used for vehicle detection indicators as well as discrete outputs for alarm conditions.
- e. Detection LEDs: LEDs shall be provided on the front panel. The LEDs shall illuminate when a contact closure output occurs. Rack-mounted video processors shall have a minimum of four LEDs. Rack-mounted extension modules shall have two or four LEDs to indicate detection.
- f. Mouse Port: A USB mouse shall be provided on the front panel of the rack mount video processing unit. The mouse port shall not require special mouse software drivers. The mouse port shall be used as part of system setup and configuration. A mouse shall be provided with each video processor.

### **C.3 General System Functions**

Detection zones shall be programmed via an on board menu displayed on a video monitor and a pointing device connected to the VDP. The menu shall facilitate placement of detection zones and setting of zone parameters or to view system parameters. A separate computer shall not be required for programming detection zones or to view system operation.

The VDP shall store up to three different detection zone patterns. The VDP can switch to any one of the three different detection patterns within 1 second of user request via menu selection with the pointing device.

The VDP shall detect vehicles in real time as they travel across each detection zone.

The VDP shall have an EIA232 port for communications with an external computer. The VDP EIA232 port shall be multi-drop capable.

The VDP shall accept new detection patterns from an external computer through the EIA232 port when the external computer uses the correct communications protocol for downloading detection patterns. A Microsoft Windows-based software designed for local or remote connection and providing video capture, real-time detection indication and detection zone modification capability shall be provided with the system.

The VDP system shall have the capability to automatically switch to any one of the stored configurations based on the time of day which shall be programmable by the user.

The VDP shall send its detection patterns to an external computer through the EIA232 port when requested when the external computer uses the correct communications protocol for uploading detection patterns.

The VDP shall default to a safe condition, such as a constant call on each active detection channel, in the event of unacceptable interference with the video signal.

The system shall be capable of automatically detecting a low-visibility condition such as fog and respond by placing all defined detection zones in a constant call mode. A user-selected output shall be active during the low-visibility condition that can be used to modify the controller operation if connected to the appropriate controller input modifier(s). The system shall automatically revert to normal detection mode when the low-visibility condition no longer exists.

### **C.4 Vehicle Detection**

Up to 24 detection zones per camera input shall be supported and each detection zone can be sized to suit the site and the desired vehicle detection region.

The VDP shall provide up to 24 open collector output channels per camera input using one or more extension modules.

A single detection zone shall be able to replace multiple inductive loops and the detection zones shall be OR'ed as the default or may be AND'ed together to indicate vehicle presence on a single phase of traffic movement.

Placement of detection zones shall be done by using only a pointing device, and a graphical interface built into the VDP and displayed on a video monitor, to draw the detection zones on the video image from each video camera. No separate computer shall be required to program the detection zones.

Up to 3 detection zone patterns shall be saved for each camera within the VDP memory. The VDP's memory shall be non-volatile to prevent data loss during power outages.

The selection of the detection zone pattern for current use shall be done through a menu. It shall be possible to activate a detection zone pattern from VDP memory and have that detection zone pattern displayed within 1 second of activation.

The VDP system shall have the capability to automatically switch to any one of the stored configurations based on the time of day which shall be programmable by the user.

When a vehicle is detected within a detection zone, the corners of the detection zone shall activate on the video overlay display to confirm the detection of the vehicle.

Detection shall be at least 98% accurate in good weather conditions, with slight degradation possible under adverse weather conditions (e.g., rain, snow, or fog) which reduce visibility. Detection accuracy is dependent upon site geometry, camera placement, camera quality and detection zone location, and these accuracy levels do not include allowances for occlusion or poor video due to camera location or quality.

The VDP shall provide dynamic zone reconfiguration (DZR). DZR enables normal operation of existing detection zones when one zone is being added or modified during the setup process. The VDP shall output a constant call on any detector channel corresponding to a zone being modified.

Detection zone setup shall not require site specific information such as latitude and longitude to be entered into the system.

The VDP shall process the video input from each camera at 30 frames per second. Multiple camera processors shall process all video inputs simultaneously.

The VDP shall output a constant call for each enabled detector output channel if a loss of video signal occurs. The VDP shall output a constant call during the background learning period.

Detection zone outputs shall be configurable to allow the selection of presence, pulse, extend, and delay outputs. Timing parameters of pulse, extend, and delay outputs shall be user definable between 0.1 to 25.0 seconds.

Up to six detection zones per camera view shall have the capability to count the number of vehicles detected. The count value shall be internally stored for later retrieval through the EIA232 port. The zone shall also have the capability to calculate and store average speed and lane occupancy at bin intervals of 10 seconds, 20 seconds, 1 minute, 5 minutes, 15 minutes, 30 minutes and 60 minutes.

## **C.5 Hardware General**

The VDP and extension module (EM) shall be specifically designed to mount in a standard detector rack, using the edge connector to obtain power and provide contact closure outputs. No adapters shall be required to mount the VDP or EM in a standard detector rack. Detector rack rewiring shall not be required.

The EM shall be available to avoid the need of rewiring the detector rack, by enabling the user to plug an extension module into the appropriate slot in the detector rack. The extension module shall be connected to the VDP by a 8 wire cable with modular connectors, and shall output contact closures according to user selectable channel assignments. The EM is available in 2, 4, or 24 channel configurations.

## **C.6 Input Power**

The VDP and EM shall be powered by 12/24 volts DC. VDP power consumption shall not exceed 7 watts. The EM power consumption shall not exceed 2.5 watts.

## **C.7 Detection Outputs**

The VDP and EM shall include detector output pin out compatibility with industry standard detector racks. The 24-channel EM shall provide output through a 37-pin "D" connector on the front panel.

## **C.8 Video Inputs**

VDPs shall include one, two or four BNC video input connections suitable for composite video inputs. The video input shall include a switch selectable 75-ohm or high impedance termination to allow camera video to be routed to other devices, as well as input to the VDP for vehicle detection.

## **C.9 Video Outputs**

The front of the VDP shall include one BNC video output providing real time video output that can be routed to other devices.

## **C.10 Mechanical and Environmental**

The VDP shall operate satisfactorily in a temperature range from -34 °C to +74 °C and a humidity range from 0%RH to 95%RH, non-condensing as set forth in NEMA specifications.

The front panel of the VDP shall have detector test switches to allow the user to place calls on each channel. The test switch shall be able to place either a constant call or a momentary call depending on the position of the switch.

The front face of the VDP shall contain indications, such as LED displays, to enable the user to view real time detections for each channel of detection when the system is operational.

The VDP shall include an EIA232 port for serial communications with a remote computer. This port shall be a 9-pin "D" subminiature connector on the front of the VDP.

The VDP shall utilize non-volatile memory technology to enable the loading of modified or enhanced software through the EIA232 port and without modifying the VDP hardware.

## **C.11 Video Detection Camera**

Video detection cameras used for traffic detection shall be furnished by the video detection processor (VDP) supplier and shall be qualified by the supplier to ensure proper system operation.

The camera shall produce a useable video image of the bodies of vehicles under all roadway lighting conditions, regardless of time of day. The minimum range of scene luminance over which the camera shall produce a useable video image shall be the minimum range from nighttime to daytime, but not less than the range 1.0 lux to 10,000 lux.

The imager luminance signal to noise ratio (S/N) shall be more than 50 dB.

The camera shall be digital signal processor (DSP) based and shall use a CCD sensing element and shall output color video with resolution of not less than 470 TV lines. The CCD imager shall have a minimum effective area of 768(h) x 494(v) pixels.

The camera shall include an electronic shutter control based upon average scene luminance and shall be equipped with an auto-iris lens that operates in tandem with the electronic shutter.

The camera shall utilize automatic white balance.

The camera shall include a variable focal length lens with variable focus that can be adjusted, without opening up the camera housing, to suit the site geometry by means of a portable interface device designed for that purpose and manufactured by the detection system supplier.

The horizontal field of view shall be adjustable from 5.4 to 50.7 degrees. This camera configuration may be used for the majority of detection approaches in order to minimize the setup time and spares required by the user. The lens shall be a 10x zoom lens with a focal length of 3.8mm to 38.0 mm.

The lens shall also have an auto-focus feature with a manual override to facilitate ease of setup.

The camera shall incorporate the use of preset positioning that store zoom and focus positioning information. The camera shall have the capability to recall the previously stored preset upon application of power.

The camera electronics shall include automatic gain control (AGC) to produce a satisfactory image at night.

The camera shall be housed in a weather-tight sealed enclosure. The enclosure shall be made of 6061 anodized aluminum. The housing shall be field rotatable to allow proper alignment between the camera and the traveled road surface.

The camera enclosure shall be equipped with a sunshield. The sunshield shall include a provision for water diversion to prevent water from flowing in the camera's field of view. The camera enclosure with sunshield shall be less than 6" diameter, less than 18" long, and shall weigh less than 6 pounds when the camera and lens are mounted inside the enclosure.

The enclosure shall be design so that the pan, tilt and rotation of the camera assembly can be accomplished independently without affecting the other settings.

The camera enclosure shall include a proportionally controlled heater, where the output power of the heater varies with temperature, to assure proper operation of the lens functions at low temperatures and prevent moisture condensation on the optical faceplate of the enclosure.

The glass face on the front of the enclosure shall have an anti-reflective coating to minimize light and image reflections.

The glass face shall also employ a special coating to minimize the buildup of environmental debris such as dirt and water.

When mounted outdoors in the enclosure, the camera shall operate satisfactorily in a temperature range from -34 °C to +60 °C and a humidity range from 0% RH to 100% RH. Measurement of satisfactory video shall be based upon VDP system operation.

The camera shall be powered by 120-240 VAC 50/60 Hz. Power consumption shall be 45 watts or less under all conditions. An optional DC power configuration shall be available for 12 VDC operation.

Recommended camera placement height shall be 33 feet (or 10 meters) above the roadway, and over the traveled way on which vehicles are to be detected. For optimum detection the camera should be centered above the traveled roadway. The camera shall view approaching vehicles at a distance not to exceed 350 feet for reliable detection (height to distance ratio of 10:100). Camera placement and field of view (FOV) shall be unobstructed and as noted in the installation documentation provided by the supplier.

The camera enclosure shall be equipped with separate, weather-tight connections for power and video cables at the rear of the enclosure. These connections may also allow diagnostic testing and viewing of video at the camera while the camera is installed on a mast arm or pole using a lens adjustment module (LAM) supplied by the VDP supplier. Video and power shall not reside within the same connector.

The video signal shall be fully isolated from the camera enclosure and power cabling.

### **C.12 Video Monitor**

The monitor shall be a flat screen color video monitor with a minimum 9" diagonal picture display. It shall support EIA standards RS-170 composite video signal (1.0 v p-p, 75 OHM).

It shall have a resolution of 900 lines at center. Video bandwidth shall be >11 MHz. Loop through connectors shall be provided, and both input and output connectors shall be BNCs.

The monitor power source shall be 120 VAC +/- 10%, 60 Hz. Power consumption shall not be greater than 18 W. Ambient operating temperature shall be +50 to +122 degrees Fahrenheit.

Located on the front panel, the controls shall be on/off, contrast, bright, vertical hold, and horizontal hold. Rear panel shall have controls for vertical size, vertical linearity and scan switch.

Dimensions shall not exceed 9" (W), 10" (H), and 7" (D). Weight shall not exceed 10 pounds.

### **C.13 Coaxial Cable**

The coaxial cable to be used between the camera and the VDP in the traffic cabinet shall be Belden 8281 or equal. This cable shall be suitable for installation in conduit or overhead with appropriate span wire. BNC plug connectors should be used at both the camera and cabinet ends. The coaxial cable, BNC connector, and crimping tool shall be approved by the supplier of the video detection system, and the manufacturer's instructions must be followed to ensure proper connection.

### **C.14 Power Cable**

The power cabling shall be 16 AWG three conductor cable with a minimum outside diameter of 0.325 inch and a maximum diameter of 0.490 inch. The cabling shall comply with the National Electric Code, as well as local electrical codes. Cameras may acquire power from the luminaire if necessary.



### Installation

The video detection camera shall be installed by factory-certified installers as recommended by the supplier and documented in installation materials provided by the supplier. Proof of factory certification shall be provided.

### Warranty

The supplier shall provide a three-year warranty on the video detection system.

During the warranty period, technical support shall be available from the supplier via telephone within 4 hours of the time a call is made by a user, and this support shall be available from factory-certified personnel or factory-certified installers.

During the warranty period, updates to VDP software shall be available from the supplier without charge.

### Maintenance and Support

The supplier shall maintain an adequate inventory of parts to support maintenance and repair of the video detection system. These parts shall be available for delivery within 30 days of placement of an acceptable order at the supplier's then current pricing and terms of sale for said parts.

The supplier shall maintain an ongoing program of technical support for the video detection system. This technical support shall be available via telephone, or via personnel sent to the installation site upon placement of an acceptable order at the supplier's then current pricing and terms of sale for on-site technical support services.

Installation or training support shall be provided by a factory-authorized representative and shall be a minimum IMSA-Level II Traffic Signal Technician certified.

All product documentation shall be written in the English language.

### **D Measurement**

The department will measure Furnish and Install Emergency Vehicle Preemption System by each unit, acceptably completed.

### **E Payment**

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

| ITEM NUMBER | DESCRIPTION  | UNIT |
|-------------|--|------|
| SPV.0060.45 | Furnish and Install Vehicle Video Detection System W St Paul Ave & Wisconsin Ave | EACH |
| SPV.0060.46 | Furnish and Install Vehicle Video Detection System W St Paul Ave & Madison St    | EACH |

Payment is full compensation for furnishing and installing control units, cameras, cabling, mounting brackets, testing and setting up the system.

## **65. Temporary Street Lighting, Item SPV.0060.47.**

### **A Description**

This item is in addition to the City of Waukesha Standard Construction Specifications. The contractor shall temporary wire existing street lights so they function during construction.

### **B Materials**

The materials shall comply with the City of Waukesha Standard Construction Specifications.

### **C Construction**

The contractor, through the temporary street-light system, shall connect existing street lighting on W North Street. This work shall require an overhead system of wiring to riser down existing 30-foot poles, by removing the top pole cap, running the wire down the pole and splicing to the existing wiring in the base of the existing pole. Additional wood poles may be necessary to expand the temporary street lighting to the existing street-light system.

### **D Measurement**

The department will measure Temporary Street Lighting as completed once all the components have been installed and functional. Measurement will also include full removal of the Temporary Street Lighting once the permanent street lighting is installed.

## **E Payment**

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

| ITEM NUMBER | DESCRIPTION               | UNIT |
|-------------|---------------------------|------|
| SPV.0060.47 | Temporary Street Lighting | EACH |

Payment shall be completed in two phases: 50% of the unit once the temporary system is installed and functional, and the remaining 50% of the unit once the temporary system is removed and the permanent system is fully functional.

Payment is full compensation for furnishing and installing all materials.

## **66. Remove and Dispose of Existing Wire and Abandon Conduit in Place, Item SPV.0090.01.**

### **A Description**

This special provision describes removing and disposing existing wire and abandoning conduit in place according to City of Waukesha Standard Construction Specifications.

### **B (Vacant)**

### **C Construction**

Remove and dispose of existing wire and abandon conduit in place according to City of Waukesha Standard Construction Specifications.

### **D Measurement**

The department will measure Remove and Dispose of Existing Wire and Abandon Conduit in Place in length by the linear foot, acceptably completed.

### **E Payment**

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

| ITEM NUMBER | DESCRIPTION  | UNIT |
|-------------|--|------|
| SPV.0090.01 | Remove and Dispose of Existing Wire and Abandon Conduit in Place | LF   |

Payment is full compensation for removing and disposing existing wire and abandoning conduit in place according to City of Waukesha Standard Construction Specifications.

## **67. Abandoning Storm Sewer, Item SPV.0090.02.**

### **A Description**

This special provision describes abandoning storm sewer according to City of Waukesha Standard Construction Specifications for Abandon Pipe.

### **B (Vacant)**

### **C Construction**

Storm sewer shall be abandoned according to City of Waukesha Standard Construction Specifications for Abandon Pipe.

### **D Measurement**

The department will measure Abandoning Storm Sewer in length by the linear foot, acceptably completed.

### **E Payment**

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

| ITEM NUMBER | DESCRIPTION            | UNIT |
|-------------|------------------------|------|
| SPV.0090.02 | Abandoning Storm Sewer | LF   |

Payment is full compensation for abandoning storm sewer according to City of Waukesha Standard Construction Specifications for Abandon Pipe.

**68. Abandoning Sanitary Sewer Pipe, Item SPV.0090.03.**

**A Description**

This special provision describes abandoning sanitary sewer pipe according to City of Waukesha Standard Construction Specifications for Abandon Pipe.

**B (Vacant)**

**C Construction**

Sanitary sewer pipe shall be abandoned according to City of Waukesha Standard Construction Specifications for Abandon Pipe.

**D Measurement**

The department will measure Abandoning Sanitary Sewer Pipe in length by the linear foot, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                    | UNIT |
|-------------|--------------------------------|------|
| SPV.0090.03 | Abandoning Sanitary Sewer Pipe | LF   |

Payment is full compensation for abandoning sanitary sewer pipe according to City of Waukesha Standard Construction Specifications for Abandon Pipe.

**69. CIPP Sanitary Sewer Pipe 8-inch, Item SPV.0090.04;  
CIPP Sanitary Sewer Pipe 10-inch, Item SPV.0090.05;  
CIPP Sanitary Sewer Pipe 18-inch, Item SPV.0090.06;  
CIPP Sanitary Sewer Pipe 24-inch, Item SPV.0090.07;  
CIPP Sanitary Sewer Pipe 42-inch, Item SPV.0090.08;  
CIPP Sanitary Sewer Pipe 48-inch, Item SPV.0090.09.**

**A Description**

This special provision describes furnishing and installing CIPP sanitary sewer pipe according to City of Waukesha Standard Construction Specifications for (diameter) CIPP Sanitary Sewer Pipe.

**B Materials**

CIPP sanitary sewer pipe materials shall be according to City of Waukesha Standard Construction Specifications.

**C Construction**

CIPP sanitary sewer pipe shall be installed according to City of Waukesha Standard Construction Specifications for (diameter) CIPP Sanitary Sewer Pipe.

**D Measurement**

The department will measure CIPP Sanitary Sewer Pipe in length by the linear foot, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                      | UNIT |
|-------------|----------------------------------|------|
| SPV.0090.04 | CIPP Sanitary Sewer Pipe 8-inch  | LF   |
| SPV.0090.05 | CIPP Sanitary Sewer Pipe 10-inch | LF   |
| SPV.0090.06 | CIPP Sanitary Sewer Pipe 18-inch | LF   |
| SPV.0090.07 | CIPP Sanitary Sewer Pipe 24-inch | LF   |
| SPV.0090.08 | CIPP Sanitary Sewer Pipe 42-inch | LF   |
| SPV.0090.09 | CIPP Sanitary Sewer Pipe 48-inch | LF   |

Payment is full compensation for furnishing and installing CIPP sanitary sewer pipe according to City of Waukesha Standard Construction Specifications for (diameter) CIPP Sanitary Sewer Pipe.

**70. PVC Sanitary Sewer Pipe 8-inch, Item SPV.0090.10;  
PVC Sanitary Sewer Pipe 10-inch, Item SPV.0090.11.**

**A Description**

This special provision describes furnishing and installing PVC sanitary sewer pipe according to City of Waukesha Standard Construction Specifications for (diameter) PVC Sanitary Sewer Pipe.

**B Materials**

PVC sanitary sewer pipe materials shall be according to City of Waukesha Standard Construction Specifications.

**C Construction**

PVC sanitary sewer pipe shall be installed according to City of Waukesha Standard Construction Specifications for (diameter) PVC Sanitary Sewer Pipe.

**D Measurement**

The department will measure PVC Sanitary Sewer Pipe in length by the linear foot, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                     | UNIT |
|-------------|---------------------------------|------|
| SPV.0090.10 | PVC Sanitary Sewer Pipe 8-inch  | LF   |
| SPV.0090.11 | PVC Sanitary Sewer Pipe 10-inch | LF   |

Payment is full compensation for furnishing and installing PVC sanitary sewer pipe according to City of Waukesha Standard Construction Specifications for (diameter) PVC Sanitary Sewer Pipe.

**71. Sanitary Sewer Lateral Replacement 6-inch, Item SPV.0090.12.**

**A Description**

This special provision describes furnishing and installing sanitary sewer lateral replacement according to City of Waukesha Standard Construction Specifications for (diameter) Sanitary Sewer Lateral Replacement (Open Cut).

**B Materials**

Sanitary sewer lateral replacement pipe materials shall be according to City of Waukesha Standard Construction Specifications.

**C Construction**

Sanitary sewer lateral replacement shall be installed according to City of Waukesha Standard Construction Specifications for (diameter) Sanitary Sewer Lateral Replacement (Open Cut).

**D Measurement**

The department will measure Sanitary Sewer Lateral Replacement 6-inch in length by the linear foot, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                               | UNIT |
|-------------|---|------|
| SPV.0090.12 | Sanitary Sewer Lateral Replacement 6-inch | LF   |

Payment is full compensation for furnishing and installing sanitary sewer lateral replacement according to City of Waukesha Standard Construction Specifications for (diameter) Sanitary Sewer Lateral Replacement (Open Cut).

**72. Furnish and Install Water Main and Fittings 8-inch, Item SPV.0090.13;  
Furnish and Install Water Main and Fittings 12-inch, Item SPV.0090.14;  
Furnish and Install Water Main and Fittings 16-inch Class 52, Item SPV.0090.15.**

**A Description**

The contractor shall furnish and install all 8", 12" and 16" water main and fittings including tracer wire, bedding, cover and compacted granular backfill. The contractor shall install approximately 240 linear feet of 8" Polyvinyl Chloride (Class DR-18) AWWA C-900 or Ductile Iron Pipe (Class 52) AWWA C-151 Water Main including polyethylene wrap, install approximately 3020 linear feet of 12" Polyvinyl Chloride (Class DR-18) AWWA C-900 or Ductile Iron Pipe (Class 52) AWWA C-151 Water Main including polyethylene wrap, install approximately 440 linear feet of 16" Ductile Iron Pipe (Class 52) AWWA C-151 Water Main including polyethylene wrap. The contractor shall also provide the chlorination, flushing and pressure testing per the listed specifications. The plan profile views show the approximate depth of the existing crossing utilities, which were marked at the time of the survey, except the sanitary sewer laterals. The contractor is responsible for field verifying all existing utilities, to determine the proposed water main depth, including but not limited to the existing water mains, hydrant leads and laterals, sanitary sewer mains and laterals, storm sewers, gas mains and laterals, all electrical, telephone and fiber optic lines. Any damage that may be done to any existing utility will be the sole responsibility of the contractor.

The tracer wire shall be a minimum of 12 gauge solid core copper electric wire with blue PVC coating and rated for wet conditions. Or #12 AWG HS-CCS high-strength copper clad steel conductors (HS-CCS), insulated with a 30 mil, high-density, high molecular weight polyethylene (HDPE) insulation, and rated for direct burial use at 30 volts. HS-CCS conductor must be 21% conductivity for locating purposes, Break load 380# minimum. Stranded or braided tracer wire is unacceptable.

The contractor will be allowed to adjust the copper service laterals, by bending them up or down, to help with maintaining a depth of six feet (6') of cover over the water main. Any damage that may be done to the service laterals or any existing utility will be the sole responsibility of the contractor.

**B Materials**

Furnish materials according to Chapter 4 of the Waukesha Water Utility standard specifications.

**C Construction**

Install water main pipe and fittings according to Chapter 6 of the Waukesha Water Utility standard specifications.

**D Measurement**

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

**E Payment**

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

| ITEM NUMBER | DESCRIPTION  | UNIT |
|-------------|--|------|
| SPV.0090.13 | Furnish and Install Water Main and Fittings 8-inch           | LF   |
| SPV.0090.14 | Furnish and Install Water Main and Fittings 12-inch          | LF   |
| SPV.0090.15 | Furnish and Install Water Main and Fittings 16-inch Class 52 | LF   |

Payment is full compensation for furnishing, installing, excavation, backfill, compaction and restoration.

**73. Clean and Televis Sanitary Sewer, Item SPV.0090.16;  
Clean and Televis Storm Sewer, Item SPV.0090.17.**

**A Description**

This special provision describes cleaning and televising sewer according to City of Waukesha Standard Construction Specifications for sewer televising.

**B (Vacant)**

**C Construction**

Sewer shall be cleaned and televised according to City of Waukesha Standard Construction Specifications.

**D Measurement**

The department will measure Clean and Televis (type) Sewer by the linear foot, acceptably completed.

**E Payment**

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

| ITEM NUMBER | DESCRIPTION                      | UNIT |
|-------------|----------------------------------|------|
| SPV.0090.16 | Clean and Televis Sanitary Sewer | LF   |
| SPV.0090.17 | Clean and Televis Storm Sewer    | LF   |

Payment is full compensation for cleaning and televising sewer according to City of Waukesha Standard Construction Specifications for sewer televising.

**74. Construction Staking Water Main, Item SPV.0090.18.****A Description**

Work under this item consists of contractor-performed construction staking required to establish the horizontal and vertical position for the water main. Perform all work under this item according to standard spec 105.6 and 650.

**B (Vacant)****C Construction**

Perform all work under this item according to standard spec 105.6 and 650. Set and maintain construction stakes or marks as necessary to achieve the required accuracy and to support the method of operations. Locate water main pipe, hydrants, and valve construction stakes to within 0.02 feet horizontally and establish the elevations to within 0.01 feet vertically.

**D Measurement**

The department will measure Construction Staking Water Main 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.0090.18 | Construction Staking Water Main | LF   |

Payment is full compensation for locating and setting all construction stakes and for relocating and resetting damaged or missing construction stakes. Standard spec 650.5(2) shall apply for final payment.

**75. Conduit HDPE 1-Duct 3-Inch, Item SPV.0090.19.****A Description**

This special provision describes installing 1-Duct 3-Inch HDPE conduit conforming to standard spec 671.

**B Material**

Material shall be 3-inch diameter conduit conforming to standard spec 671.2.1

**C Construction**

Perform all work under this item in conformance to standard spec 671.

**D Measurement**

The department will measure Conduit HDPE 1-Duct 3-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.0090.19 | Conduit HDPE 1-Duct 3-Inch | LF   |

Payment is full compensation for providing, hauling, and installing materials including conduit, fittings, couplers, and bends; for pull wires or ropes; for expansion fittings and caps; for excavating, bedding, backfilling, and restoration of ground to original condition including sand, concrete, or other required materials; and for making inspections.

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**ADDITIONAL SPECIAL PROVISION 1 (ASP 1)  
FOR TRANSPORTATION ALLIANCE FOR NEW SOLUTIONS (TrANS)  
PROGRAM EMPLOYMENT PLACEMENTS AND APPRENTICESHIPS**

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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   9   (*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 3 (number) TrANS Apprentice(s) be utilized on this contract.

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

## **II. RATIONALE AND SPECIAL NOTE**

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

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

## **III. IMPLEMENTATION**

The implementation of ASP 1 is intended to cover only the amount of time it takes for underutilization to be resolved across the trades. This will be measured annually at the county and/or state levels using data administered by WisDWD in relation to goals set by the USDOL-

OFCCP. With appropriate state and federal approvals, we may also do some measurement at the company level.

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

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

#### **IV. TRANS TRAINING**

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

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

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

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journey workers status or in which they have been employed as a journey worker. The contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used, the contractor's records should document the findings in each case.

#### **V. APPRENTICESHIP TRAINING**

The Federal Highway Administration's (FHWA) policy is to require full use of all available training and skill improvement opportunities to assure increased participation of minority groups, disadvantaged persons and women in all phases of the highway construction industry. The FHWA On-the-Job Training (OJT) Program requires the State transportation agencies (STAs) to establish apprenticeships and training programs targeted to move women, minorities, and disadvantaged individuals into journey-level positions to ensure that a competent workforce is available to meet highway construction hiring needs, and to address the historical underrepresentation of members of these groups in highway construction skilled crafts.

The OJT Supportive Services (OJT/SS) Program was established in Title 23 Code of Federal Regulations (CFR), Part 230) to supplement the OJT program and support STA training programs by providing services to highway construction contractors and assistance to highway construction apprentices and trainees. The primary objectives of OJT/SS are:

- (1) To increase the overall effectiveness of the State highway agencies' approved training programs.
- (2) To seek other ways to increase the training opportunities for women, minorities, and disadvantaged individuals.

The STAs are responsible for establishing procedures, subject to the availability of Surface Transportation and Bridge Funds under 23 U.S.C. §140(b) (Nondiscrimination), for the provision of supportive services with respect to training programs approved under 23 CFR, Part 230(a) (Equal Employment Opportunity on Federal and Federal-aid Construction Contracts – including Supportive Services).

The contractor and subcontractor shall maintain records to demonstrate compliance with these apprenticeship requirements. Reasonable exemptions and modifications to and from any or all of these requirements will be determined by the Wisconsin Department of Transportation-Civil Rights Office. A request for an exemption or modification, with justification, shall be made in writing, addressed to WisDOT Civil Rights Office, 4802 Sheboygan Avenue, P.O. Box 7965, Rm. 451, Madison, WI 53707.

## ADDITIONAL SPECIAL PROVISION 3

### DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM IMPLEMENTATION

#### Authority

Wisconsin Department of Transportation (WisDOT) is a recipient of funds from the US Department of Transportation's Federal Highway Administration. The DBE program is a federal program applicable on all contracts administered by WisDOT that include federal-aid highway funds. The authority for the DBE program is the Transportation Bill as approved by Congress periodically. DBE program guidance and requirements are outlined in the Code of Federal Regulations at 49 CFR Part 26. This contract is subject to DBE provisions because it is financed with federal-aid-highway funds. Additionally, this contract is subject to the *State of Wisconsin Standard Specifications for Highway and Structure Construction* and all applicable contract documents.

#### Requirements

Pursuant to the federal DBE program regulation at 49 CFR Part 26, a contractor's failure to comply with any provision of the DBE program regulatory provisions will be considered a material breach of contract. This is nonnegotiable.

If a contractor fails to carry out the DBE program requirements and/or the Required Contract Provisions for Federal Aid Contracts (FHWA 1273) referenced in this document, sanctions will be assessed depending upon the facts, reasoning, severity, and remedial efforts of the contractor that may include: termination of contract, withholding payment, assessment of monetary sanctions, and/or suspension/debarment proceedings that could result in the disqualification of the contractor from bidding for a designated period of time.

- (1) 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 (preferred) OR to the DBE Office by email at: [DBE\\_Alert@dot.wi.gov](mailto:DBE_Alert@dot.wi.gov). Email naming convention: "Project #, Proposal #, Let date, Business Name, GFE"

### 3. Department's Criteria for Good Faith Effort Documentation

The Federal-aid Construction Contract Provision, referenced as FHWA-1273, explicitly states that the prime contractor shall be responsible for all work performed on the contract by piecework, station work, or subcontract. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of the contract including assurances of equal employment opportunity laws, DBE regulations, and affirmative action. Compliance encompasses responsible and responsive action, documentation, and good faith effort.

Contractually, all contractors, subcontractors, and service providers on the contract are bound by FHWA 1273 and DBE program provisions. **Prime contractors should encourage subcontractors to utilize DBE firms whenever possible to contribute to the assigned DBE contract goal.**

Bidders are required to document good faith effort. Per 49 CFR Part 26.53, good faith effort is demonstrated in one of two ways. The bidder:

- (1) Documents that it has obtained enough DBE participation to meet the goal; OR
- (2) Documents that it made adequate good faith efforts to meet the goal, even though it did not succeed

*Appendix A* of 49 CFR Part 26 provides guidance concerning good faith efforts. WisDOT evaluates good faith effort on a contract basis just as each contract award is evaluated individually.

The efforts employed by the bidder should be those that WisDOT can reasonably expect a bidder to take to actively and aggressively obtain DBE participation sufficient to meet the DBE contract goal. The Department will only approve demonstration of good faith effort if the bidder documents the quality, quantity, and intensity of the variety of activities undertaken that are commensurate with expected efforts to meet the stated goal.

The Department, in conjunction with industry stakeholders, has developed the following guidance for contractor good faith effort activity. The guidance and the attached appendices provide a framework for the actions required by all parties in the processing and evaluation of bidder's total efforts to achieve the project specific DBE goal prior to the bid letting date.

**a. Solicitation Guidance for Prime Contractors:**

- (1) Document all efforts and decisions made toward achieving the DBE goal on the contract. The bidder should use WisDOT-approved DBE outreach tools, including the UCP DBE Directory and the Bid Express Small Business Network to foster DBE participation on all applicable contracts.
- (2) As needed, request assistance with DBE outreach and follow-up by contacting the Department's DBE Support Services Office by phone or email request at least 14 days prior to the bid letting date. Phone numbers are (414) 438-4584 and/or (608) 267-3849; Fax: (414) 438-5392; E-mail: [DBE\\_Alert@dot.wi.gov](mailto: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](mailto:DBE_Alert@dot.wi.gov)
  - ii. Acceptable outreach tools include SBN (Small Business Network, see Appendix C):  
<https://www.bidx.com/wi/main>, postal mail, email, fax, and phone.
    - a. Contractors must ask DBE firms for a response in their solicitations. *See Sample Contractor Solicitation Letter*, Appendix B. This letter may be included as an attachment to the sub-quote request.
    - b. Solicit quotes at least 10 calendar days prior to the letting date to allow DBE firms sufficient time to respond. Prime contractors should contact DBE firms early, asking if they need help organizing their quote, assistance confirming equipment needs, or other assistance supporting their submission of a competitive quote for their services.
    - c. A follow up solicitation should take place within 5 calendar days of the letting date. Email and/or SBN are the preferred method for the solicitation.
  - iii. Upon request, provide interested DBE firms with adequate information about plans, specifications, and the requirements of the contract by letter, information session, email, phone call, and/or referral.
  - iv. When potential exists, the contractor should advise interested DBE firms on how to obtain bonding, line of credit, or insurance if requested.
  - v. Document DBE firm's interest in quoting by taking appropriate steps to follow up initial solicitation with:
    - a. Email to all prospective DBE firms in relevant work areas
    - b. Phone call log to DBE firms who express interest via written response or call
    - c. Fax/letter confirmation
    - d. Signed copy of record of subcontractor outreach effort

**b. Guidance for Evaluating DBE quotes**

- (1) Quote evaluation practices required to evaluate DBE quotes:
  - i. Reasonable Price: Contractors are expected to assess reasonable price by analyzing the contract scope for DBE subcontract feasibility and comparing common line items in DBE and non-DBE subcontract quotes for the same work. Per federal regulation, reasonable price is not necessarily the lowest price. See 49 CFR Part 26, Appendix A. IV.D(2).
- (2) Documentation submitted by the prime of the following evaluation is required to evaluate DBE quotes by contractors:



- i. Evaluation of DBE firm's ability to perform "possible items to subcontract" using legitimate reasons, including but not limited to, **a discussion** between the prime and DBE firm regarding its capabilities prior to the bid letting. If lack of capacity is the reason for not utilizing the DBE firm's quote, the prime is required to contact the DBE by phone and email regarding their ability to perform the work indicated in the UCP directory listed as their work area by NAICS code. Only the work area indicated by the NAICS code(s) listed in the UCP directory can be counted toward DBE credit. Documentation of the conversation is required.
  - a. In striving to meet an assigned DBE contract goal, contractors are expected to use DBE quotes that are responsive and reasonable. This includes DBE quotes that are not the low quote.
  - b. Additional evaluation - Evaluation of DBE quotes with tied bid items. Typically, this type of quoting represents a cost saving but is not clearly stated as a discount. Tied quotes are usually presented as an 'all or none' quote. When non-DBE subcontractors submit tied bid items in their quotes, the DBE firm's quote may not appear competitive. In such a case, the following steps are taken in comparing the relevant quotes. These are qualitative examples:
    - i. Compare bid items common to both quotes, noting the reasonableness in the price comparison.
    - ii. Review quotes from other firms for the bid items not quoted by the DBE firm to see if combining both can provide the same competitive advantage that the tied bid items offered.

See Appendix D – *Good Faith Effort Evaluation Measures* and Appendix E - *Good Faith Effort Best Practices*.

- c. **Requesting Good Faith Effort Evaluation** At the time of bid- if the DBE goal is not met in full, the prime contractor must indicate they will file form DT1202- Documentation of Good Faith Effort within 24-hours of bid submission. Supplementary documentation of good faith effort that supports the DT1202 submission is also due within 24-hours of bid submission and prior to bid posting. Supporting documentation for the DT1202 is to include the following:
  - (1) Solicitation Documentation: The names, addresses, email addresses, and telephone numbers of DBE firms contacted along with the dates of both initial and follow-up contact; electronic copies of all written solicitations to DBE firms. A printed copy of SBN solicitation is acceptable.
  - (2) Selected Work Items Documentation: Identify economically feasible work units to be performed by DBEs to include activities such as: list of work items to be performed; breaking up of large work items into smaller tasks or quantities; flexible time frames for performance and delivery schedules.
  - (3) Documentation of Project Information provided to interested DBEs: A description of information provided to the DBE firms regarding the plans, specifications, and estimated quantities for portions of the work to be performed by that DBE firm.
  - (4) Documentation of Negotiation with Interested DBEs: Provide sufficient evidence to demonstrate that good faith negotiations took place. Merely sending out solicitations requesting bids from DBEs does not constitute sufficient good faith efforts.
  - (5) Documentation of Sound Reasoning for Rejecting DBEs and copies of each quote received from a DBE firm and, if rejected, copies of quotes from non-DBEs for same items.
  - (6) Documentation of Assistance to Interested DBEs- Bonding, Credit, Insurance, Equipment, Supplies/Materials
  - (7) Documentation of outreach to Minority, Women, and Community Organizations and other DBE Business Development Support: Contact organizations and agencies for assistance in contacting, recruiting, and providing support to DBE subcontractors, suppliers, manufacturers, and truckers at least 14 days before bid opening. Participate in or host activities such as networking events, mentor-protégé programs, small business development workshops, and others consistent with DBE support.

Naming conventions: eSubmit (preferred) follow instructions OR when emailing files, use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, GFE" Email: [DBE\\_Alert@dot.wi.gov](mailto:DBE_Alert@dot.wi.gov)

If the Good Faith Effort documentation is deemed adequate, the request will be approved and the DBE office will promptly notify the Prime Contractor and Bureau of Project Development.

If the DBE Office denies the request, the Prime Contractor will receive written correspondence outlining the reasons. The Department encourages the Prime Contractor to communicate with DBE staff to clarify any questions related to meeting goals and/or contractor demonstration of good faith efforts.

If the contract is awarded, the Prime Contractor must obtain written consent from the DBE Office to change or replace any DBE firm listed on the approved DBE Commitment. No contractor, prime or subsequent tier, shall be paid for completing work assigned to a DBE subcontractor on an approved DBE Commitment unless WisDOT has granted permission for the reduction, replacement, or termination of the assigned DBE in writing. If a prime contractor or a subcontractor on any tier uses its own forces to perform work assigned to a DBE on an approved DBE Commitment, **they will not be paid for the work**. Any changes to DBE Commitment after the approval of the DBE Commitment must be reviewed and approved by the DBE Office prior to the change (see Section 9).

#### 4. Bidder's Documentation of Good Faith Effort Evaluation Request Appeal Process

A bidder can appeal the Department's decision to deny the bidder's demonstration of Good Faith Effort through Administrative Reconsideration. The bidder must provide a written justification refuting the specific reasons for denial as stated in the Department's denial notice. The bidder may meet in person with the Department if so requested. Failure to appeal within 5 business days after receiving the Department's written notice denying the request constitutes a forfeiture of the bidder's right of appeal. Receipt of appeal is confirmed by email date stamp or certified mail signed by WisDOT staff. A contract will not be executed without documentation that the DBE provisions have been fulfilled.

The Department will appoint a representative who did not participate in the original good faith effort determination, to assess the bidder's appeal. The Department will issue a written decision within 5 business days after the bidder presents all written and oral information. In that written decision, the Department will explain the basis for finding that the bidder did or did not demonstrate an adequate good faith effort to meet the contract DBE goal. The Department's decision is final.

#### 5. Determining DBE Eligibility

##### Directory of DBE firms

- a. The only resource for DBE firms certified in the State of Wisconsin is the Wisconsin Unified Certification Program (UCP) DBE Directory. WisDOT maintains a current list of certified DBE firms at: <http://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/dbe-ucp-directory.xlsx>
- b. The DBE Program office is available to assist with contracting DBE firms:(608) 267-3849.
- c. DBE firms are certified based on various factors including the federal standards from the Small Business Administration that assigns a North American Industrial Classification (NAICS) Codes. DBE firms are only eligible for credit when performing work in their assigned NAICS code(s). If a DBE subcontractor performs work that is not with its assigned NAICS code, the prime contractor should contact the DBE Office to inquire about compatibility with the Business Development Program.

## 6. Counting DBE Participation

### Assessing DBE Work

The Department will only count the DBE usage towards the contract DBE goal if the DBE firm is certified as a DBE by one of the UCP agencies. The Department only counts the value of the work a DBE actually performs towards the DBE goal. The Department assesses the DBE work as follows:

- a. The Department counts work performed by the DBE firm's own resources. The Department includes the cost of materials and supplies the DBE firm obtains for the work. The Department also includes the cost of equipment the DBE firm leases for the work. The Department will not include the cost of materials, supplies, or equipment the DBE firm purchases or leases from the prime contractor or its affiliate, with the exception of non-project specific leases the DBE has in place before the work is advertised.
- b. The Department counts fees and commissions the DBE subcontractor charges for providing bona fide professional, technical, consultant, or managerial services. The Department also counts fees and commissions the DBE charges for providing bonds or insurance. The Department will only count costs the program engineer deems reasonable based on experience or prevailing market rates.
- c. If a DBE firm subcontracts work, the Department counts the value of the work subcontracted to a DBE subcontractor.
- d. The contractor will maintain records and may be required to furnish periodic reports documenting its performance under this item.
- e. It is the Prime Contractor's responsibility to determine whether the work that is committed and/or contracted to a DBE firm can be counted for DBE credit by referencing the work type and NAICS code listed for the DBE firm on the Wisconsin UCP DBE Directory.
- f. It is the Prime Contractor's responsibility to assess the DBE firm's ability to perform the work for which it is committing/contracting the DBE to do. Note that the Department encourages the Prime Contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts.
- g. The Prime Contractor will inform the DBE office via email of all DBE subcontractors added to the project following execution of the contract. The Prime Contractor may omit submission of another form DT1506, but must submit signed Attachment A forms for additional DBE firms.
- h. See Section 7 for DBE credit evaluation for Trucking and Section 8 for DBE credit evaluation for Manufacturers, Suppliers, and Brokers

Naming conventions: When emailing files, please use the following language to identify your submission-  
"Project #, Proposal #, Let date, Business Name, Attachment A"      Email: [DBE\\_Alert@dot.wi.gov](mailto: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://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/trucking-utilization-policy.pdf>

The prime contractor is responsible for ensuring that all subcontractors including trucking firms, receive Form FHWA 1273: <https://www.fhwa.dot.gov/programadmin/contracts/1273/1273.pdf>

See Section 8 for Broker credit.

## 8. Credit Evaluation for Manufacturers, Suppliers, Brokers

The Department will calculate the amount of DBE credit awarded to a prime using a DBE firm for the provisions of materials and supplies on a contract-by-contract basis. The Department will count the material and supplies that a DBE firm provides under the contract for DBE credit based on whether the DBE firm is a manufacturer, supplier, or broker. Generally, DBE credit is determined through evaluation of the DBE owner's role, responsibility, and contribution to the transaction. Maximum DBE credit is awarded when the DBE firm manufactures materials or supplies. DBE credit decreases when the DBE firm solely supplies materials, and minimal credit is allotted when the DBE firm's role is administrative or transactional. It is the bidder's responsibility to confirm that the DBE firm is considered a supplier or a manufacturer before listing them on Commitment to Subcontract to DBE form DT1506 or DBE Commitment submitted with the bid.

### a. Manufacturers

- (1) A manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications.
- (2) If the materials or supplies are obtained from a DBE manufacturer, **100%** percent of the cost of the materials or supplies counts toward DBE goals.

### b. Regular Dealers of Material and/or Supplies

- (1) Supplies purchased in bulk from DBE firms at the beginning of the season may be credited to current contracts if submitted with appropriate documentation to the DBE office.
- (2) A regular dealer is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business.
- (3) If the materials or supplies are purchased from a DBE regular dealer, count **60%** percent of the cost of the materials or supplies toward DBE goals.
- (4) At a minimum, a regular dealer must meet the following criteria to be counted for DBE credit:
  - i. The DBE firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question.
  - ii. The DBE firm must both own and operate distribution equipment for the product--bulk items such as petroleum products, steel, cement, gravel, stone, or asphalt. If some of the distribution equipment is leased, the lease agreement must accompany the DBE Commitment form for evaluation of the dealer's control before the DBE office approves the DBE credit.
- (5) When DBE suppliers are contracted, additional documentation must accompany the DBE Commitment and Attachment A forms. An invoice or bill-of-sale that includes names of the bidder and the DBE supplier, along with documentation of the calculations used as the basis for the purchase agreement, subcontract, or invoice. WisDOT recognizes that the amount on the Attachment A form may be more or less than the amount on the invoice per b.(1) above.

- i. The bidder should respond to the following questions and include with submission of form DT1506 or the DBE Commitment entered with bid:
  - a. What is the product or material?
  - b. Is this item in the prime's inventory or was the item purchased when contract was awarded?
  - c. Which contract line items were referenced to develop this quote?
  - d. What is the amount of material or product used on the project?

**c. Brokers, Transaction Expeditors, Packagers, Manufacturers' Representatives**

- (1) No portion of the cost of the materials, supplies, services themselves will count for DBE credit. However, WisDOT will evaluate the fees or commissions charged when a prime purchases materials, supplies, or services from a DBE certified firm which is neither a manufacturer nor a regular dealer, namely: brokers, packagers, manufacturers' representatives, or other persons who arrange or expedite transactions.
- (2) Brokerage fees are calculated as **10%** of the purchase amount.
- (3) WisDOT may count the amount of fees or commissions charged for assistance in the procurement of the materials and supplies, fees, or transportation charges for the delivery of materials or supplies required on a job site.
- (4) Evaluation of DBE credit includes review of the contract need for the item/service, the sub-contract or invoice for the item/service, and a comparison of the fees customarily allowed for similar services to determine whether they are reasonable.

## **9. DBE Commitment Modification Policy (Formerly "DBE Replacement Policy")**

**a. Issuing a Contract Change Order**

Any changes or modifications to the contract once executed are considered contract modifications and as such require a change order. In addition, the DBE office must provide consent for reduction, termination, or replacement of subcontractors approved on the DBE Commitment *in advance* of the modification for the prime contractor to receive payment for work or supplies. Additions to the DBE Commitment do not require advance notification of the DBE office. (see below e. DBE Utilization beyond the approved DBE Commitment)

**b. Contractor Considerations**

- (1) A prime contractor cannot modify the DBE Commitment through reduction in participation, termination, or replacement of a DBE subcontractor listed on the approved DBE Commitment without prior written consent from the DBE Office. This includes, but is not limited to, instances in which a prime contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm.
- (2) If a prime contractor reduces participation, replaces, or terminates a DBE subcontractor who has been approved for DBE credit toward its contract, the prime is required to provide documentation supporting its inability to fulfill the contractual commitment made to the Department regarding the DBE utilization.
- (3) The Prime Contractor is required to demonstrate efforts to find another DBE subcontractor to perform at least the same amount of work under the contract as the DBE subcontractor that was terminated, to the extent needed to meet the assigned DBE contract goal. When additional opportunity is available by contract modifications, the Prime Contractor must utilize DBE subcontractors that were committed to equal work items, in the original contract.
- (4) In circumstances when a DBE subcontractor fails to complete its work on the contract for any reason, or is terminated from a contract, the Prime Contractor must undertake efforts to maintain its commitment to the assigned DBE goal.
- (5) The DBE subcontractor should communicate with the Prime Contractor regarding its schedule and capacity in the context of the contract. If the DBE firm anticipates that it cannot fulfill its subcontract, they will advise the Prime Contractor and suggest a DBE subcontractor that may replace their services and provide written consent to be released from its subcontract.

- i. Before the Prime Contractor can request modification to the approved DBE Commitment, the Prime Contractor must:
  - a. Make every effort to fulfill the DBE Commitment by working with the listed DBE subcontractor to ensure that the firm is fully knowledgeable of the Prime Contractor's expectations for successful performance on the contract. Document these efforts in writing.
  - b. If those efforts fail, provide written notice to the DBE subcontractor of the Prime Contractor's intent to request to modify the Commitment through reduction in participation, termination, and/or replacement of the subcontractor including the reason(s) for pursuing this action.
  - c. Copy the DBE Office on all correspondence related to changing a DBE subcontractor who has been approved for DBE credit on a contract, including preparation and coordination efforts.
  - d. Clearly state the amount of time the DBE firm has to remedy and/or respond to the notice of intent to replace/terminate. The DBE must be allowed five days from the date notice was received as indicated by email time stamp or signed certified mail, to respond, in writing. EXCEPTION: The Prime Contractor must provide a verifiable reason for a response period shorter than five days. For example, a WisDOT project engineer or project manager confirms that WisDOT has eliminated an item the DBE subcontractor was contracted for.
  - e. The DBE subcontractor must acknowledge the contract modification with written response to the Prime Contractor and the DBE Office. If objecting to the subcontract modification, the DBE subcontractor must outline the basis for objection to the proposed modification, providing sound reasoning for WisDOT to reject the prime's request.

### **c. Request to Modify DBE Subcontracting Commitment**

The written request referenced above may be delivered by email or fax. The request must contain the following:

1. Project ID number
2. WisDOT Contract Project Engineer's name and contact information
3. DBE subcontractor name and work type and/or NAICS code
4. Contract's progress schedule
5. Reason(s) for requesting that the DBE subcontractor be replaced or terminated
6. Attach/include all communication with the DBE subcontractor to deploy/address/resolve work completion

Naming conventions: When emailing files, please use the following language to identify your submission- "Project #, Proposal #, Let date, Business Name, MODIFICATION" Email: [DBE\\_Alert@dot.wi.gov](mailto: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](mailto: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](mailto:DBE_Alert@dot.wi.gov)

#### **Special note on trucking**

- DBE truckers added to the sublets in CRCS *will* be approved without DBE credit (You will see a "N" in CRCS instead of "Y")
- Prime Contractors may enter a "place holder" e.g. \$1000.00, for DBE Trucking in CRCS if the full amount of trucking is unknown for sublet purposes only
- The hiring contractor may obtain the Attachment A with DBE signature included but the **Prime Contractor** must sign the Attachment A before submitting

## 10. Commercially Useful Function

- a. Commercially Useful Function (CUF) is evaluated after the contract has been executed, while the DBE certified firm is performing contracted work items.
- b. The Department uses Form DT1011, DBE Commercially Useful Function Review and Certification to evaluate if the DBE is performing a commercially useful function. WisDOT counts expenditures of a DBE toward the DBE goal only if the DBE is performing a commercially useful function on that contract.
- c. A DBE firm is performing a commercially useful function if the following conditions are met:
  - (1) For contract work, the DBE is responsible for executing a distinct portion of the work and is carrying out its responsibilities by actually performing, managing, and supervising that work.
  - (2) For materials and supplies, the DBE is responsible for negotiating price, determining quality and quantity, ordering, and paying for those materials and supplies.

## 11. Credit Evaluation for DBE Primes

WisDOT calculates DBE credit based on the amount and type of work performed by DBE certified firms for work submitted with required documentation. If the prime contractor is a DBE certified firm, the Department will only count the work that the DBE prime performs with its own forces for DBE neutral credit. The Department will also calculate DBE credit for work performed by any other DBE certified subcontractor, DBE certified supplier, and DBE certified manufacturer on the contract in each firm's approved NAICS code/work areas that are submitted with required documentation. Crediting for manufacturers and suppliers is calculated consistent with Section 8 of this document and 49 CFR Part 26.

## 12. Joint Venture

If a DBE performs as a participant in a joint venture, the Department will only count the portion of the total dollar value of the contract equal to the portion of the work that the DBE performs with its own forces, for DBE credit.

## 13. Mentor-Protégé

- a. If a DBE performs as a participant in a mentor-protégé agreement, the Department will credit the portion of the work performed by the DBE protégé firm.
- b. DBE credit is evaluated and confirmed by the DBE Office for any contracts on which the mentor-protégé team identifies itself to the DBE Office as a current participant of the Mentor-Protégé Program.
- c. Refer to WisDOT's Mentor-Protégé guidelines for guidance on the number of contracts and amount of DBE credit allowed on WisDOT projects.

## 14. Use of Joint Checks

The use of joint checks is allowable if it is a commonly recognized business practice in the material industry. A joint check is defined as a two-party check between a DBE subcontractor, a prime contractor, and the regular dealer or materials supplier who is neither the prime nor an affiliate of the prime. Typically, the prime contractor issues one check as payor to the DBE subcontractor and to the supplier jointly (to guarantee payment to the supplier) as payment for the material/supplies used by the DBE firm in cases where the DBE subcontractor and materials have been approved for DBE credit. The DBE subcontractor gains the opportunity to establish a direct



contracting relationship with the supplier to potentially facilitate a business rapport that results in a line of credit or increased partnering opportunities.

The cost of material and supplies purchased by the DBE firm is part of the value of work performed by the DBE to be counted toward the goal. To receive credit, the DBE firm must be responsible for negotiating price, determining quality and quantity, ordering the materials, and installing (where applicable) and "paying for the material itself." See 49 CFR 26.55(c)(1).

The approval to use joint checks constitutes a commitment to provide further information to WisDOT, upon request by staff. WisDOT will allow the use of joint checks when the following conditions are met:

- a. The Prime Contractor must request permission to use joint checks from the DBE Office by submitting the Application to Use Joint Checks.
  - (1) Request should be made when the DBE Commitment or the Request to Sublet is submitted; the request will not be considered if submitted after the DBE Subcontractor starts its work.
  - (2) Approval/Permission must be granted prior to the issuance of any joint checks.
  - (3) The payment schedule for the supplier must be presented to the DBE office before the first check is issued.
  - (4) The joint check for supplies must be strictly for the cost of approved supplies.
- b. The DBE subcontractor is responsible for furnishing and/or installing the material/work item and is not an 'extra participant' in the transaction. The DBE firm's role in the transaction cannot be limited solely to signing the check(s) to release payment to the material supplier. At a minimum, the DBE subcontractor's tasks should include the following:
  - (1) The DBE subcontractor (not the prime/payor) negotiates the quantities, price, and delivery of materials.
  - (2) The DBE subcontractor consents to sign/release the check to the supplier by signing the Application to Use Joint Checks after establishing the conditions and documentation of payment within the subcontract terms or in a separate written document.
- c. The Prime contractor/payor acts solely as a guarantor.
  - (1) The Prime Contractor agrees to furnish the check used for the payment of materials/supplies under the contract.
  - (2) The prime contractor/payor cannot require the subcontractor to use a specific supplier or the prime contractor's negotiated unit price.

## 15. Payment

Costs for conforming to this Additional Special Provision (ASP) and any associated DBE requirements are incidental to the contract.

## Appendix A

### Substantive Conversation Guidelines

The substantive conversation is critical to all bidders' demonstration of good faith effort to meet the DBE goal prior to bid opening. Relationship building between primes and subcontractors is crucial to DBE goal attainment. Responsible bidders seek to build rapport with potential DBE subcontractors to understand capacity, areas of expertise, and assess contracting feasibility. Bidders who compete for WisDOT contracts are specialty contractors responding to a growing and changing contract environment. Just as these specialists are responsible for care of the roads, they are likewise responsible for contributing to the health of the industry. The substantive conversation drives collaboration that will build industry health and capacity. The following is intended to provide guidance for such discussions but is not an exhaustive list. Contractors are encouraged to incorporate their existing strategies for cultivating business relationships as well.

Prior to Bid Opening- this discussion should happen as early as possible (WisDOT advertisements are released 5 weeks prior to each Let)

- Determine DBE subcontractor's interest in quoting
- If response indicates inexperience with quoting- offer support/assistance to the DBE in understanding the industry including fundamentals a subcontractor needs to know, required reading and/or resources.
- Assess their interest and experience in the road construction industry by asking questions such as:
  1. Have you competed for other WisDOT contracts? Ratio of competed/to wins
  2. Have you performed on any transportation industry contracts (locally or with other states)?
  3. What the largest contract you've completed?
  4. Have you worked in the industry: apprentice, journeyman, safety, inspection etc.?
  5. Does this project fit into your schedule? Are you working on any contracts now?
  6. Have you reviewed a copy of the plans? Are you comfortable performing within the scope and quantity considerations of this contract?
  7. What region do you work in? Home base?
  8. Which line items are you considering?
  9. Have you read/are you familiar with WisDOT Standard Specifications? Construction Material Manual?
  10. Do you understand where your work fits in the project schedule, project phases?

Following Bid Opening- this discussion can happen at any time

1. After reviewing their quote, note the following in your discussion:
  - Does the quote look complete? Irregular?
  - Are there errors in the quote? Are items very high or very low?
  - In general, does the quote look competitive?
2. Questions and Advice for the bidder to share with the potential DBE subcontractor:
  - What line items would typically be in a competitive quote for a subcontractor of their specialty?
  - How many employees and what is their role/experience/expertise in your firm?
  - Do you have resources for labor (union member, family-based, community-resourced) and capital (banking relationship, bond agent, CPA)?
  - Where have you worked: cities, states, government, commercial, residential/private sector, etc. Explain similarities or differences.
  - Refer them to reliable, trusted, industry resources that can educate or connect them to relevant resources, education/certification resources, more appropriate contract opportunities.
  - Discussion about prime contract and subcontract liability, critical path items, contract quantities, schedule risks, and potential profit/loss (for upcoming known projects or in general).
  - Discussion of bonding, insurance, and overall business risk considerations.

**APPENDIX B**  
**Sample Contractor Solicitation Letter Page 1**  
***This sample is provided as a guide not a requirement***

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**GFESAMPLE MEMORANDUM**

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**TO:** DBE FIRMS  
**FROM:** POTENTIAL PRIME CONTRACTOR OR MAJOR SUBCONTRACTOR  
**SUBJECT:** **REQUEST FOR DBE QUOTES**  
**LET DATE & TIME**  
**DATE:** MONTH DAY YEAR  
**CC:** DBE OFFICE ENGINEER

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Our company is considering bidding on the projects indicated on the next page, as a prime and/or a subcontractor for the Wisconsin Department of Transportation **Month- date -year** Letting. Page 2 lists the projects and work items that we may subcontract for this letting. We are interested in obtaining subcontractor quotes for these projects and work categories. Also note that we are willing to accept quotes in areas we may be planning to perform ourselves as required by federal rules.

Please review page 2, respond whether you plan to quote, highlight the projects and work items you are interested in performing and return it via fax or email within 3 days. Plans, specifications and addenda are available through WisDOT at the DBE Support Services office or at the Highway Construction Contract Information (HCCI) site at <http://roadwaystandards.dot.wi.gov/hcci/>

Your quote should include all of the costs required to complete the items you propose to perform including labor, equipment, material, and related bonding or insurance. The quote should note items that you are DBE certified to perform, tied items, and any special terms. Page 2, with the indicated projects and items you plan to quote, should be used as a cover sheet for your quote.

Please make every effort to have your quotes into our office by **time deadline** the prior to the letting date. **Make sure the correct letting date, project ID and proposal number, unit price and extension are included in your quote.** We prefer quotes be sent via SBN but **prime's alternatives** are acceptable. Our office hours are **include hours and days**.

Please call our office as soon as possible prior to the letting if you need information/clarification to prepare your quote at **contact number**.

If you wish to discuss or evaluate your quote in more detail, contact us after the contract is awarded. Status of the contract can be checked at WisDOT's HCCI site at <http://roadwaystandards.dot.wi.gov/hcci/>  
All questions should be directed to:

Project Manager, John Doe, Phone:  
(000) 123-4567  
Email: [Joe@joetheplumber.com](mailto:Joe@joetheplumber.com)  
Fax: (000) 123- 4657

**Sample Contractor Solicitation Letter Page 2**  
***This sample is provided as a guide not a requirement***  
 REQUEST FOR QUOTE

**Prime's Name:** \_\_\_\_\_  
**Letting Date:** \_\_\_\_\_  
**Project ID:** \_\_\_\_\_

**Please check all that apply**

- ☐ Yes, we will be quoting on the projects and items listed below  
☐ No, we are not interested in quoting on the letting or its items referenced below  
☐ Please take our name off your monthly DBE contact list  
☐ We have questions about quoting this letting. Please have someone contact me at this number

Prime Contractor 's Contact Person:

DBE Contractor Contact Person:



Phone: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Email: \_\_\_\_\_

**Please circle the jobs and items you will be quoting below**

| Proposal No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------------|---|---|---|---|---|---|---|
| County       |   |   |   |   |   |   |   |

**WORK DESCRIPTION:**

|                                 |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|
| Clearing and Grubbing           | X |   | X | X |   | X | X |
| Dump Truck Hauling              | X |   | X | X |   | X | X |
| Curb & Gutter/Sidewalk, Etc.    | X |   | X | X |   | X | X |
| Erosion Control Items           | X |   | X | X |   | X | X |
| Signs and Posts/Markers         | X |   | X | X |   | X | X |
| Traffic Control                 |   | X | X | X |   | X | X |
| Electrical Work/Traffic Signals |   | X | X | X |   | X |   |
| Pavement Marking                |   | X | X | X | X | X | X |
| Sawing Pavement                 |   | X | X | X | X | X | X |
| QMP, Base                       | X | X |   | X | X | X | X |
| Pipe Underdrain                 | X |   |   | X |   |   |   |
| Beam Guard                      |   |   |   | X | X | X | X |
| Concrete Staining               |   |   |   |   |   |   | X |
| Trees/Shrubs                    | X |   |   |   |   |   | X |

Again please make every effort to have your quotes into our office by time deadline prior to the letting date.

**We prefer quotes be sent via SBN but prime's preferred alternatives are acceptable.**

If there are further questions please direct them to the prime contractor's contact person at phone number.

## Appendix C

### Small Business Network (SBN) Overview

The Small Business Network is a part of the Bid Express® service that was created to ensure that prime bidders have a centralized online location to find subs - including small and disadvantaged business enterprises (DBEs). It is available for prime bidders to use as part of their Basic Service subscription. Within the Small Business Network, **Prime Contractors** can:

1. Easily select proposals, work types and items:
  - a. After adding applicable work types, select items that you wish to quote. Enter the sub-quote quantities and add comments, if desired. Adding or removing items and work types can be done quickly. If needed, you can save the sub-quote for later completion.
2. Create sub-quotes for the subcontracting community:
  - a. Create sub-quotes with ease using the intuitive sub-quote creator. In seven short steps, you can rapidly create a custom sub-quote directed to all subcontractors that bid on the applicable work types. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
  - b. Create a sub-quote to send to subcontractors or suppliers that lists the items in a proposal that you want quoted
  - c. Create an unlimited number of sub-quotes for items you want quoted, and optionally mark them as a DBE preferred request.
  - d. Add attachments to sub-quotes.
3. View sub-quote requests & responses:
  - a. After logging into the Bid Express service, you can quickly review all of your sub-quote requests and all unsolicited sub-quote requests from subcontractors. To simplify the Small Business Network home screen, sub-quote requests can be hidden with one click if they are not applicable.
  - b. View or receive unsolicited sub-quotes that subcontractors have posted, complete with terms, conditions and pricing.
4. View Record of Subcontractor Outreach Effort:
  - a. For each sub-quote produced, a *Record of Subcontractor Outreach Effort* is generated that shows the response statistics for a particular sub-quote. If accepted by the letting agency, this report may serve as proof of a “Good Faith” effort in reaching out to the DBE community.
  - b. Easily locate pre-qualified and certified small and disadvantaged businesses.
  - c. Advertise to small and disadvantaged businesses more efficiently and cost effectively.
  - d. Document your interactions with subs/DBEs by producing an Outreach Report (may be accepted as proof of DBE outreach at the discretion of each agency).

The Small Business Network is a part of the Bid Express® service that was created to ensure that small businesses have a centralized area to access information about upcoming projects. It can help small businesses learn more about opportunities, compete more effectively, network with other contractors and subcontractors, and win more jobs. **DBE firms can:**

1. View and reply to sub-quote requests from primes:
  - a. After logging into the Bid Express service, you can quickly review all incoming sub-quote requests and all unsolicited sub-quotes created by your company. Receive notifications by selected work type. To simplify on the Small Business Network home screen, sub-quote requests can be filtered by work types relevant to your interests or hidden with one click if they are not applicable.
2. Select items when responding to sub-quote requests from primes:
  - a. You have the freedom to choose and price any number of items when responding to a sub-quote request. Quantities can be modified, and per-item comments are also available.
  - b. View requests for sub-quotes for work that primes have posted for projects they are bidding, add your pricing, terms, and conditions, and submit completed sub-quotes to the requesting primes.
  - c. Add attachments to a sub-quote.
3. Create and send unsolicited sub-quotes to specific contractors:
  - a. Create unsolicited sub-quotes with ease using the intuitive sub-quote creator. In eight short steps, you can rapidly create a custom sub-quote directed at any number of specific vendors of your choosing. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
4. Easily select and price items for unsolicited sub-quotes:
  - a. After adding applicable work types, select items that you wish to quote. The extended price calculates automatically, cutting out costly calculation errors. Comments can be provided on a per-item basis as well.
  - b. Create an unsolicited sub-quote that lists the items from a proposal that you want to quote, include pricing, terms and conditions, and send it to selected prime/plan holder.
  - c. Add attachments to a sub-quote.
  - d. Add unsolicited work items to sub-quotes that you are responding to.
5. Easy Access to Valuable Information
  - a. Receive a confirmation that your sub-quote was opened by a prime.
  - b. View Bid Tab Analysis data from past bids, including the high, average and low prices of items.
  - c. View important notices and publications from DOT targeted to small and disadvantaged businesses.
6. Accessing Small Business Network for WisDOT contracting opportunities
  - a. If you are a contractor not yet subscribing to the Bid Express service, go to [www.bidx.com](http://www.bidx.com) and select "Order Bid Express." The Small Business Network is a part of the Bid Express Basic Service.
  - b. DBE firms can request a Bid Express Small Business Network Account at no cost by calling 414-438-458

## APPENDIX D

### Good Faith Effort Evaluation Measures *by categories referenced in DBE regulations*

Bidders must demonstrate that they took all necessary and reasonable steps to achieve the assigned DBE contract goal. For each contract, all bidders must submit documentation indicating the goal has been met or if falling short of meeting the assigned goal, must request a DBE Goal Waiver and document all efforts employed to secure DBE subcontractor participation on Form DT1202.

DBE staff analyze the bidder's documented good faith efforts to determine if action taken was sufficient to meet the goal. Sufficiency is measured contract-by-contract. WisDOT evaluates active and aggressive efforts, quality, quantity, scope, intensity, and appropriateness of the bidder's efforts as a scale of the principles of Good Faith outlined in 49 CFR Part 26, Appendix A. Additional emphasis is placed on the bidder's demonstration of timely submission of documentation and communication with DBE subcontractors, and business development initiatives undertaken to support DBE firm growth.

The following is a sample of good faith effort activities that are rated according to the accompanying rubric. Contractors are encouraged to identify additional activities that align with their business type(s).

- Personal, tailored solicitation to firms that specialize in work types planned or desired for subcontracting
- Follow up to initial solicitation via email or phone
- Substantive conversation including topics such as contract liability, critical path work items, schedule risks, and potential profit/loss
- SBN utilization including posting quotes
- Review and response to DBE quotes including provision of information about plans, specifications, and requirements as applicable
- Documentation requesting subcontractors support DBE goal by solicitation and inclusion of DBE subcontractor quotes
- Responsive and timely submission of organized documentation
- Analysis of number of DBE firms who do work types that you typically subcontract
- Analysis of number of DBE firms who reside in geographical areas where prime seeks work
- Analysis of firms who express interest in bidding/quoting including the number of firms who declined your solicitation
- Reference check of DBE subcontractor work or training (documentation of questions and response required)
- Number of different efforts undertaken to meet the assigned DBE goal as documented in accompanying Form DT1202
- Submission of all DBE quotes received matched with a variety of work to be performed by DBEs
- Number and names of DBE firms provided written advice, or referral to industry-specific business development resources
- Overall pattern of DBE utilization on all WisDOT contracts which may include contracting with municipalities
- Documentation of resources expended to meet assigned DBE goal (#of hours, staff titles, average pay rate, actions taken)
- Analysis of subcontractable work items to be completed by prime beyond prime contractor's 30%
- Risk analysis of work items that are typically in tied quotes that could be unbundled
- List of contract work items in smallest economically feasible units, identifying schedule impact
- Submission of a Gap Analysis identifying DBE skillset and/or industry needs
- Staff training in EEO and Civil Rights laws as documented in training logs
- Written Capacity Assessment completed with DBE firm documenting its ability to perform the work quoted
- DBE engagement efforts beyond simple solicitation that include a substantive discussion, initiated as early in the acquisition process as possible (*points added for each day prior to letting*)
- Outreach and marketing efforts with minority, women, and veteran-focused organizations at least 10 days prior to bid opening
- Active involvement in WisDOT's Business Development Program, TrANS training, facilitated networking efforts, workshops
- Customized teaching/training efforts for future opportunities with DBE subcontractor, contract specific and/or annually
- Introduction and reference provided for DBE subcontractor to a prime who has not previously contracted with the DBE firm
- Prime utilization of a DBE subcontractor the prime has not contracted with previously
- Written referral/recommendation to bond/insurance agents, manufacturer, supplier
- Documented efforts fostering DBE participation through administrative and/or technical assistance
- Evidence of negotiation with the DBE firm about current and future Let opportunities
- Recommendation of local and state services that support small business and access to opportunity: DOA, SBA, WEDC, WPI, etc.
- Advice on bonding, lines of credit, or insurance as required to complete the items quoted and contract requirements



**GFE EVALUATION RUBRIC – PHASE 1**

|   | <b>Active &amp;<br/>Aggressive<br/>Category</b> | <b>Quality<br/>Category</b> | <b>Quantity<br/>Category</b> | <b>Scope &amp;<br/>Intensity<br/>Category</b> | <b>Timing<br/>Category</b> | <b>Business<br/>Develop't<br/>Efforts</b> | <b>Total=</b> |
|---|---|-----------------------------|------------------------------|---|----------------------------|---|---------------|
| <b>Solicitation<br/>Documentation</b>   |   |                             |                              |   |                            |   |               |
| <b>Selected Work<br/>Items<br/>Documentation</b>  |   |                             |                              |   |                            |   |               |
| <b>Documentation of<br/>Project<br/>Information<br/>provided to<br/>Interested DBEs</b>   |   |                             |                              |   |                            |   |               |
| <b>Documentation of<br/>Negotiation with<br/>Interested DBEs</b>  |   |                             |                              |   |                            |   |               |
| <b>Documentation of<br/>Sound Reason for<br/>Rejecting DBEs</b>   |   |                             |                              |   |                            |   |               |
| <b>Documentation of<br/>Assistance to<br/>Interested DBEs-<br/>bonding, credit,<br/>insurance,<br/>equipment,<br/>supplies/materials</b>                    |   |                             |                              |   |                            |   |               |
| <b>Documentation of<br/>Outreach to<br/>Minority, Women,<br/>and Community<br/>organizations and<br/>other DBE<br/>Business<br/>Development<br/>Support</b> |   |                             |                              |   |                            |   |               |
| <b>Documentation of<br/>other GFE<br/>activities</b>  |   |                             |                              |   |                            |   |               |
| <b>Overall Total=</b>   |   |                             |                              |   |                            |   |               |

**GFE EVALUATION RATING LEGEND – PHASE 1 – Initial Review**

**ACTIVE & AGGRESSIVE:** Demonstrated through engaged and assertive activity

**QUALITY:** Demonstrated through essential character of conscientious and serious activity

**QUANTITY:** Demonstrated through a measurable number of activities

**SCOPE & INTENSITY:** Demonstrated through a rigorous approach to an appropriate and purposeful range of activities

**TIMING:** Demonstrated through engagement efforts beyond simple solicitation, initiated early in the process

**BUSINESS DEVELOPMENT INITIATIVES:** Demonstrated by efforts to support business growth and health of DBEs

**Rating Scale**

- **Each qualifying activity is worth 5 points per Category**
  - **Pro Forma efforts= 0-50 points**  
Perfunctory effort characterized by routine or superficial activities
  - **Bona Fide= 55+ points**  
Genuine effort characterized by sincere and earnest activities

**GFE EVALUATION – PHASE 2 – Team Review****DBE Office completes:**

- Review of quote comparisons submitted by Prime
- Bid analysis to confirm if any bid submitted met the DBE goal
- Review average of other bidders DBE goal achievement
- Team review of combined efforts documented in Phase 1 and 2 by apparent low bidder

Excerpt from Appendix A to 49 CFR Part 26:

V. In determining whether a bidder has made good faith efforts, it is essential to scrutinize its documented efforts. At a minimum, you must review the performance of other bidders in meeting the contract goal. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts. As provided in §26.53(b)(2)(vi), you must also require the contractor to submit copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract to review whether DBE prices were substantially higher; and contact the DBEs listed on a contractor's solicitation to inquire as to whether they were contacted by the prime. Pro forma mailings to DBEs requesting bids are not alone sufficient to satisfy good faith efforts under the rule.

## **APPENDIX E**

### **Good Faith Effort Best Practices**

This list is not a set of requirements; it is a list of potential strategies

#### **Primes**

- 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: |

|  |   |
|--|---|
| <b>FOR PRIME CONTRACTORS ONLY:</b><br>I certify that I made arrangements with the participating DBE firm to perform the type of work listed or supply the material indicated above for the subcontract value listed above. | Prime Contractor Representative's Signature         |
|  | Prime Contractor Representative's Name (Print Name) |
|  | Prime Contractor (Print Company Name)               |
|  | Date  |

|  |   |
|--|---|
| <b>FOR PARTICIPATING DBE FIRMS ONLY:</b><br>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.<br><br><b>FOR DBE TRUCKING FIRMS ONLY:</b><br>I certify that I will utilize, for DBE credit, only trucks listed on my WisDOT approved Schedule of Owned/Leased Vehicles for DBE Credit form and I will be utilizing the number of trucks as listed below. | Participating DBE Firm Representative's Signature & Date  |
|  | Participating DBE Firm Representative's Name (Print Name) |
|  | Participating DBE Firm (Print Company Name)               |
|  | DBE Firm's Address:                                       |

| # Owned Trucks | # Leased Trucks | # DBE-Owned Leased Trucks | # Non-DBE-Owned Leased Trucks |
|----------------|-----------------|---------------------------|-------------------------------|
|                |                 |                           |                               |



**DOCUMENTATION OF GOOD FAITH EFFORT**
 Wisconsin Department of Transportation  
 DT1202.....3/2020


|                                     |                       |                           |
|-------------------------------------|-----------------------|---------------------------|
| Project ID<br>*****                 | Proposal No.<br>***** | Letting<br>*****          |
| Prime Contractor<br>*****           |                       | County<br>*****           |
| Person Submitting Document<br>***** |                       | Telephone Number<br>***** |
| Address<br>*****                    |                       | Email Address<br>*****    |

All bidders must undertake necessary and reasonable steps to achieve the assigned DBE contract goal per federal regulatory guidance at 49 CFR Part 26. Bidders use this form to document all efforts employed to meet the assigned goal as a record of contractor good faith efforts (GFE). Refer to ASP3 or 49 CFR Part 26 for guidance on actions that demonstrate good faith effort.

It is critical to list all efforts, attach documentation, and follow the instructions to complete this submission. Documentation of good faith effort includes copies of each DBE and non-DBE subcontractor quote submitted to the bidder for the same line items. Utilize the sample documentation logs to document and organize efforts.

Submit good faith effort documentation per ASP-3 guidelines.

**Instructions:** Provide a narrative description of all activities pursued to demonstrate good faith efforts, any corresponding documentation, and applicable explanation on separate pages. Include the following items, organized in the order listed below.

**1.→ Solicitation Documentation:**

- a.→ Purpose:** To identify all reasonable and available activities the bidder performed to solicit the interest of all certified DBEs who have the capacity and ability to perform work on the project. All solicitation efforts should begin as early as possible to ensure DBEs have ample time to respond and ask questions.
- b.→ Action:** Identify and list all activities engaged in to solicit DBEs using all reasonable and available means such as written notice and follow-up communications; substantive conversations; pre-bid meetings; networking events; market research; advertising.

**2.→ Selected Work Items Documentation:**

- a.→ Purpose:** To ensure that all work items are broken out into economically feasible units to facilitate DBE participation. This must occur even when you prefer to perform the work yourself.
- b.→ Action:** Identify economically feasible work units to be performed by DBEs to include activities such as: list of work items to be performed; breaking up of large work items into smaller tasks or quantities; flexible time frames for performance and delivery schedules.

**3.→ Documentation of Project Information provided to Interested DBEs:**

- a.→ Purpose:** To provide interested DBEs with adequate information about the plans, specifications, and any other contractual requirements in a timely manner to assist DBEs in response to solicitation.
- b.→ Action:** Provide DBEs access to plans, specifications, and other contract requirements. Early solicitation allows ample opportunity to provide project information, links to Let advertisements, and substantive engagement with DBEs.

**4.→ Documentation of Negotiation with Interested DBEs:**

**a.→ Purpose:** To ensure that negotiations with interested DBEs were made in good faith providing evidence as to why agreements could not be reached for DBEs to perform work.

**b.→ Action:** Provide sufficient evidence to demonstrate that good faith negotiations took place. Merely sending out solicitations requesting bids from DBEs does not constitute sufficient good faith efforts. A bidder using good business judgment considers a number of factors in negotiating with all subcontractors, and the firm's price and capabilities in addition to contract goals are taken into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for failing to meet the DBE goal as long as costs are reasonable. (see 49 CFR Part 26 Appendix A)

**5.→ Documentation of Sound Reason for Rejecting DBEs:**

**a.→ Purpose:** To ensure that bidders avoid rejecting DBEs as unqualified without sound reasons. Reasons for rejection must be based on thorough investigation of DBE capabilities.

**b.→ Action:** Provide sufficient evidence to demonstrate that DBE was rejected for sound reasons such as past performance, relevant business experience and stability, safety record, business ethic and integrity, technical capacity, other tangible factors.

**6.→ Documentation of Assistance to Interested DBEs--Bonding, Credit, Insurance, Equipment, Supplies/Materials:**

**a.→ Purpose:** To assist interested DBEs in obtaining bonds, lines of credit, insurance, equipment, supplies, materials, and other assistance or services.

**b.→ Action:** Assist interested DBEs in obtaining bonding, lines of credit or insurance, and provide technical assistance or information related to plans, specifications, and project requirements. Assist DBEs in obtaining equipment, supplies, materials or other services related to meeting project requirements (excluding supplies or equipment the DBE purchases from the prime).

**7.→ Documentation of outreach to Minority, Women, and Community Organizations and other DBE Business Development Support:**

**a.→ Purpose:** To effectively use the services of minority, women, and community organizations as well as contractors' groups, local, state, and federal business assistance offices and organization that provide assistance in recruiting and supporting DBEs, as well as participation in activities that support DBE business development.

**b.→ Action:** Contact organizations and agencies for assistance in contacting, recruiting, and providing support to DBE subcontractors, suppliers, manufacturers, and truckers at least 14 days before bid opening. Participate in or host activities such as networking events, mentor-protégé programs, small business development workshops, and others consistent with DBE support.

Return to:  
 Wisconsin Department of Transportation  
 DBE Program Office  
 PO Box 7965  
 Madison, WI 53707-7965  
 DBE\_Alert@dot.wi.gov

I certify that I have utilized comprehensive good faith efforts to solicit and utilize DBE firms to meet the DBE participation requirements of this contract proposal, as demonstrated by my responses and as specified in Additional Special Provision 3 (ASP-3).

I certify that the information given in the Documentation of Good Faith Efforts is true and correct to the best of my knowledge and belief.

I further understand that any willful falsification, fraudulent statement, or misrepresentation will result in appropriate sanctions, which may involve debarment and/or prosecution under applicable state (Trans 504) and Federal laws.

|  |  |  |
|--|--|--|
|  |  |  |
|  |  | (Bidder/Authorized Representative Signature) |
|  |  | _____  |
|  |  | (Print Name)                                 |
|  |  | _____  |
|  |  | (Title)                                      |

### Good Faith Effort-- Sample Documentation Logs

The sample logs below are provided as guides rather than exhaustive list. See ASP3, Appendix A for additional examples of demonstrable good faith efforts. Attach documentation for each activity listed.

Acceptable forms of documentation include copies of solicitations sent to DBEs, notes from substantive conversations and negotiations with DBEs, copies of advertisements placed, email communications, all quotes received from DBEs and from all subcontractors who were considered alongside DBE quotes, proof of attendance at applicable networking events; flyers for events or workshops for DBEs offered by the prime, and other physical records of good faith efforts activities.

#### SOLICITATION LOG

| Date     | Activity                  | Name of DBE Solicited | Follow-up  |
|----------|---------------------------|-----------------------|--|
| 4/1/2020 | Sent May Let solicitation | Winterland Electric   | Spoke with Mark Winterland on 4/15/20 to ask if he would quote |

#### SELECTED WORK ITEMS SOLICITED LOG

| Work Type        | DBE Firm            | Contact Person | Date     | Contact Mode   |
|------------------|---------------------|----------------|----------|----------------|
| Pavement Marking | ABC Marking         | Leslie Lynch   | 4/1/2020 | Email; phone   |
|                  | #1 Marking Co.      | Mark Smart     | 4/1/2020 | Email; left VM |
| Electrical       | Winterland Electric | Tabitha Tinker | 4/3/2020 | Email; left VM |
|                  | Superstar Wiring    | Jose Huascar   | 4/3/2020 | Email; phone   |

#### INFORMATION PROVIDED LOG

| Request Date | DBE Firm              | Information Requested & Provided  | Response Date |
|--------------|-----------------------|---|---------------|
| 4/1/2020     | Winterland Electric   | Requested info on electrical requirements; provided plan and link to specs                            | 4/3/2020      |
| 4/21/2020    | Absolute Construction | Wanted to know how and when supplies are paid for by WisDOT; referred to spec that covers stockpiling | 4/21/2020     |

#### NEGOTIATIONS LOG

| Date      | DBE Firm      | Contact Name | Work Type       | Quotes Rec'd? | Considered for project? | If not selected, why?    |
|-----------|---------------|--------------|-----------------|---------------|-------------------------|--------------------------|
| 4/12/2020 | ABC Landscape | John Dean    | Erosion Control | Yes           | No                      | Cannot perform all items |
| 4/17/2020 | Wild Ferns    | Sandy Lynn   | Erosion Control | Yes           | Yes                     |                          |
| 4/20/2020 | #1 Marking    | Mark Smart   | Electrical      | Yes           | Yes                     |                          |

#### ASSISTANCE LOG

| Date      | DBE Firm             | Contact Person  | Assistance Provided                            |
|-----------|----------------------|-----------------|--|
| 4/1/2020  | ABC Sawing           | Jackie Swiggle  | Informed DBE on how to obtain bonding          |
| 4/17/2020 | Supreme Construction | Winston Walters | Provided contact for wholesale supply purchase |

#### OUTREACH & BUSINESS DEVELOPMENT LOG

| Date      | Agency/Organization Contacted | Contact Person | Assistance Requested  |
|-----------|-------------------------------|----------------|---|
| 4/1/2020  | Women in Construction         | LaTonya Klein  | Contact information for woman-owned suppliers                                     |
| 4/28/2020 | WBIC                          | Sam Smith      | Asked for information to provide to DBE regarding financing programs through WBIC |

Official Form DT1202 can be found here: [www.wisconsin.gov/DBEcontracting](http://www.wisconsin.gov/DBEcontracting)

**ADDITIONAL SPECIAL PROVISION 4**

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

**Payment to First-Tier Subcontractors**

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

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

**Payment to Lower-Tier Subcontractors**

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

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

*Make the following revisions to the standard specifications:*

**415.3.16 Tolerance in Pavement Thickness**

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

**415.3.16.1 General**

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

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

**415.3.16.2 Pavement Units****415.3.16.2.1 Basic Units**

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

**415.3.16.2.2 Special Units**

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

**415.3.16.3 Test Plate Locations**

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

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

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

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

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

**415.3.16.4.2 Special Units****415.3.16.4.2.1 Magnetic Pulse Induction**

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

**415.3.16.4.2.2 Probing**

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

**415.3.16.4.2.3 Preplacement Measurement**

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

**415.5.2 Adjusting Pay for Thickness**

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

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

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

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

**460.2.6 Recovered Asphaltic Binders**

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

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



recovered binder from the resultant mixture.

### 501.2.6 Water

*Retitle with the following effective with the November 2021 letting:*

#### 501.2.6 Mixing Water

### 501.2.6.2 Requirements

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

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

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

### 501.3.2.4.2 Air Entrainment

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

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

### 501.3.7.1 Slump

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

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

### 531.5 Payment

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

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

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

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

### 642.2.2.1 General

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

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

### 701.3.1 General

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

**TABLE 701-1 TESTING AND CERTIFICATION STANDARDS**



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

<sup>[1]</sup> As modified in CMM 860.

<sup>[2]</sup> As modified in CMM 870.

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

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

<sup>[5]</sup> Consolidate by rodding.

## 710.2 Small Quantities

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

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

## 710.4 Concrete Mixes

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

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

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

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

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

### **710.5.5 Strength**

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

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

### **710.5.6 Aggregate Testing**

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

#### **710.5.6 Aggregate Testing During Concrete Production**

##### **710.5.6.1 General**

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

##### **710.5.6.2 Contractor Control Charts**

###### **710.5.6.2.1 General**

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

**TABLE 710-1 CONTRACTOR GRADATION TESTING FREQUENCY - CLASS I**

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

**TABLE 710-2 CONTRACTOR GRADATION TESTING FREQUENCY - CLASS II**

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

**710.5.6.2.2 Optimized Aggregate Gradation Control Charts**

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

**710.5.6.2.3 Combined Aggregate Gradation Control Charts**

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

**710.5.6.3 Department Acceptance Testing**

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

**TABLE 710-3 DEPARTMENT GRADATION TESTING FREQUENCY**

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

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

**710.5.7 Corrective Action**

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

**710.5.7.1 Optimized Aggregate Gradations**

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

**710.5.7.2 Combined Aggregate Gradations**

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

**715.3.1.1 General**

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

- (3) Cast a set of 3 additional 6"x12" cylinders and test the concrete surface resistivity according to AASHTO T358. Perform this testing at least once per lot if total contract quantities are greater than or equal to the following:

- 20,000 square yards for pavements.
- 5,000 linear feet for barriers.
- 500 cubic yards for structure concrete.

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

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

**715.3.1.2.3 Lots by Cubic Yard**

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

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

**TABLE 715-1 CLASS I - LOT AND SUBLOT SIZES**

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

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

**715.3.2 Strength Evaluation**

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

**715.3.2.1 General**

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

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

#### **715.3.2.2 Removal and Replacement**

##### **715.3.2.2.1 Pavement**

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

##### **715.3.2.2.2 Structures and Cast-in-Place Barrier**

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

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#### **715.3.3 Aggregate**

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

##### **715.3.3.1 General**

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

##### **715.3.3.2 Structures**

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



**715.5 Payment**

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

**715.5.1 General**

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

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

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

**715.5.2 Compressive Strength**

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

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

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

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

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

**715.5.3 Flexural Strength**

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

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

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

$\geq 50$  to  $< 85$   
 $< 50$

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

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

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



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

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

**TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS**

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

<sup>[1]</sup> 14.5 for LT and MT mixes.

<sup>[2]</sup> 15.5 for LT and MT mixes.

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

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

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

### ADDITIONAL SPECIAL PROVISION 7

- A. Reporting 1<sup>st</sup> Tier and DBE Payments During Construction
1. Comply with reporting requirements specified in the department's Civil Rights Compliance, Contractor's User Manual, Sublets and Payments.
  2. Report payments to all DBE firms within 10 calendar days of receipt of a progress payment by the department or a contractor for work performed, materials furnished, or materials stockpiled by a DBE firm. Report the payment as specified in A(1) for all work satisfactorily performed and for all materials furnished or stockpiled.
  3. Report payments to all first tier subcontractor relationships within 10 calendar days of receipt of a progress payment by the department for work performed. Report the payment as specified in A(1) for all work satisfactorily performed.
  4. All tiers shall report payments as necessary to comply with the DBE payment requirement as specified in A(2).
  5. Require all first tier relationships, DBE firms and all other tier relationships necessary to comply with the DBE payment requirement in receipt of a progress payment by contractor to acknowledge receipt of payment as specified in A(1), (2), (3) and (4).
  6. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4) and (5), and shall be binding on all first tier subcontractor relationships and all contractors and subcontractors utilizing DBE firms on the project.
- B. Costs for conforming to this special provision are incidental to the contract.

NOTE: CRCS Prime Contractor payment is currently not automated and will need to be manually loaded into the Civil Rights Compliance System. Copies of prime contractor payments received (check or ACH) will have to be forwarded to [paul.ndon@dot.wi.gov](mailto: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](mailto:paul.ndon@dot.wi.gov). Not every contractor's payroll system is capable of producing export files. For details, see Section 4.8 CPR Auto Submit (Data Mapping) on pages 49-50; 66-71 of the CRCS Payroll Manual at:

<https://wisconsindot.gov/Documents/doing-bus/civil-rights/labornwage/crcs-payroll-manual.pdf>

## REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

### ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

### I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

### II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

**1. Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

**2. EEO Officer:** The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

**3. Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

**4. Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

**5. Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

**6. Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

**7. Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

**8. Reasonable Accommodation for Applicants / Employees with Disabilities:** The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

**9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

#### **10. Assurance Required by 49 CFR 26.13(b):**

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

**11. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor



will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

### III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

### IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

#### 1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or

will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

## **2. Withholding**

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

## **3. Payrolls and basic records**

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.



(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

#### **4. Apprentices and trainees**

##### **a. Apprentices (programs of the USDOL).**

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

##### **b. Trainees (programs of the USDOL).**

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

**5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

**6. Subcontracts.** The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

**7. Contract termination: debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

**8. Compliance with Davis-Bacon and Related Act requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

**9. Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

**10. Certification of eligibility.**

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

**V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

**1. Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

**2. Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

**3. Withholding for unpaid wages and liquidated damages.** The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

**4. Subcontracts.** The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

## VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

## VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

## VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

## **IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

## **X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

### **1. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.



i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

\* \* \* \* \*

## **2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:**

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

### **2. Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

\* \* \* \* \*

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:**

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

\* \* \* \* \*

**XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS  
PREFERENCE FOR APPALACHIAN DEVELOPMENT  
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS  
ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

## **Non-discrimination Provisions**

**During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:**

**1. Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

**2. Non-discrimination:** The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

**3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

**4. Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

**5. Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the contractor under the contract until the contractor complies; and/or
- b. Cancelling, terminating, or suspending a contract, in whole or in part.



**6. Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

**During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:**

**Pertinent Non-Discrimination Authorities:**

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

SEPTEMBER 2002

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE  
EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)**

1. The Offeror's or Bidder's attention is called to the "Employment Practices" and "Equal Opportunity Clause" set forth in the Required Contract Provisions, FHWA 1273.
2. The goals and timetables for minority and female participation expressed in percentage terms for the contractor's aggregate work force in each trade, on all construction work in the covered area, are as follows:

**Goals for Minority Participation for Each Trade:**

| <u>County</u> | <u>%</u> | <u>County</u> | <u>%</u> | <u>County</u> | <u>%</u> |
|---------------|----------|---------------|----------|---------------|----------|
| Adams         | 1.7      | Iowa          | 1.7      | Polk          | 2.2      |
| Ashland       | 1.2      | Iron          | 1.2      | Portage       | 0.6      |
| Barron        | 0.6      | Jackson       | 0.6      | Price         | 0.6      |
| Bayfield      | 1.2      | Jefferson     | 7.0      | Racine        | 8.4      |
| Brown         | 1.3      | Juneau        | 0.6      | Richland      | 1.7      |
| Buffalo       | 0.6      | Kenosha       | 3.0      | Rock          | 3.1      |
| Burnett       | 2.2      | Kewaunee      | 1.0      | Rusk          | 0.6      |
| Calumet       | 0.9      | La Crosse     | 0.9      | St. Croix     | 2.9      |
| Chippewa      | 0.5      | Lafayette     | 0.5      | Sauk          | 1.7      |
| Clark         | 0.6      | Langlade      | 0.6      | Sawyer        | 0.6      |
| Columbia      | 1.7      | Lincoln       | 0.6      | Shawano       | 1.0      |
| Crawford      | 0.5      | Manitowoc     | 1.0      | Sheboygan     | 7.0      |
| Dane          | 2.2      | Marathon      | 0.6      | Taylor        | 0.6      |
| Dodge         | 7.0      | Marinette     | 1.0      | Trempealeau   | 0.6      |
| Door          | 1.0      | Marquette     | 1.7      | Vernon        | 0.6      |
| Douglas       | 1.0      | Menominee     | 1.0      | Vilas         | 0.6      |
| Dunn          | 0.6      | Milwaukee     | 8.0      | Walworth      | 7.0      |
| Eau Claire    | 0.5      | Monroe        | 0.6      | Washburn      | 0.6      |
| Florence      | 1.0      | Oconto        | 1.0      | Washington    | 8.0      |
| Fond du Lac   | 1.0      | Oneida        | 0.6      | Waukesha      | 8.0      |
| Forest        | 1.0      | Outagamie     | 0.9      | Waupaca       | 1.0      |
| Grant         | 0.5      | Ozaukee       | 8.0      | Waushara      | 1.0      |
| Green         | 1.7      | Pepin         | 0.6      | Winnebago     | 0.9      |
| Green Lake    | 1.0      | Pierce        | 2.2      | Wood          | 0.6      |

**Goals for female participation for each trade: 6.9%**

These goals are applicable to all the contractor's construction work, (whether or not it is federal or federally assisted), performed in the covered area. If the contractor performs construction work in the geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The contractor's compliance with the Executive Order and the Regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project for the sole purpose of meeting the contractor's goals shall be a violation of the contract, the Executive Order and the Regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor, employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

As referred to in this section, the Director means:

Director  
Office of Federal Contract Compliance Programs  
Ruess Federal Plaza  
310 W. Wisconsin Ave., Suite 1115  
Milwaukee, WI 53202

The "Employer Identification Number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.

4. As used in this notice, and in the contract resulting from solicitation, the "covered area" is the county(ies) in Wisconsin to which this proposal applies.

**APRIL 2013**

**ADDITIONAL FEDERAL-AID PROVISIONS**

**NOTICE TO ALL BIDDERS**

To report bid rigging activities call:

**1-800-424-9071**

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidding collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

**Effective November 2020 letting**

### **BUY AMERICA PROVISION**

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials from smelting forward in the manufacturing process must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America. The exemption of this requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project. The contractor shall take actions and provide documentation conforming to CMM 2-28.5 to ensure compliance with this "Buy America" provision.

<https://wisconsindot.gov/rdwy/cmm/cm-02-28.pdf>

Upon completion of the project certify to the engineer, in writing using department form DT4567, that all steel, iron, and coating processes for steel or iron incorporated into the contract work conform to these "Buy America" provisions. Attach a list of exemptions and their associated costs to the certification form. Department form DT4567 is available at:

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

## Cargo Preference Act Requirement

All Federal-aid projects shall comply with 46 CFR 381.7 (a) – (b) as follows:

*(a) Agreement Clauses. "Use of United States-flag vessels:"*

(1) Pursuant to Pub. L. 664 (43 U.S.C. 1241(b)) at least 50 percent of any equipment, materials or commodities procured, contracted for or otherwise obtained with funds granted, guaranteed, loaned, or advanced by the U.S. Government under this agreement, and which may be transported by ocean vessel, shall be transported on privately owned United States-flag commercial vessels, if available.

(2) Within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (a)(1) of this section shall be furnished to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590."

*(b) Contractor and Subcontractor Clauses. "Use of United States-flag vessels: The contractor agrees—"*

(1) To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

(2) To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b) (1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

(3) To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

**WISCONSIN DEPARTMENT OF TRANSPORTATION  
DIVISION OF TRANSPORTATION AND SYSTEM DEVELOPMENT**

**SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS  
FOR PROJECTS WITH FEDERAL AID**

**I. PREVAILING WAGE RATES**

The attached U.S. Department of Labor (Davis-Bacon Minimum Wage Rates) furnishes the minimum prevailing wage rates pursuant to the Davis-Bacon and Related Acts. The wage rates shown are the minimum rates required by the contract to be paid during its life, however this is not a representation that labor can be obtained at these rates. It is the responsibility of bidders to inform themselves as to the local labor conditions and prospective changes or adjustments of wage rates. No increase in the contract price will be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

**II. COVERAGE OF TRUCK DRIVERS**

Truck drivers are covered by Davis-Bacon Minimum Wage Rates in the following circumstances:

- Drivers of a contractor or subcontractor for time spent working on the site of the work.
- Drivers of a contractor or subcontractor for time spent loading and/or unloading materials and supplies on the site of the work, if such time is not de minimis. [https://www.dol.gov/whd/FOH/FOH\\_Ch15.pdf](https://www.dol.gov/whd/FOH/FOH_Ch15.pdf)
- Truck drivers transporting materials or supplies between a facility that is deemed part of the site of the work and the actual construction site.
- Truck drivers transporting portions of the building or work between a site established specifically for the performance of the contract where a significant portion of such building or work is constructed and the physical place where the building or work called for in the contract will remain.

Truck drivers are not covered by Davis-Bacon Minimum Wage Rates in the following circumstances:

- Material delivery truck drivers while off the site of the work.
- Drivers of a contractor or subcontractor traveling between a Davis-Bacon job and a commercial supply facility while they are off the site of the work."
- Truck drivers whose time spent on the site of the work is de minimis, such as only a few minutes at a time merely to pick up or drop off materials or supplies.

Details are available online at:

<https://www.dol.gov/whd/recovery/pwrb/Tab9.pdf>

<https://wisconsindot.gov/Pages/doing-bus/civil-rights/labornwage/trckng.aspx>



### **III. POSTINGS AT THE SITE OF THE WORK**

In addition to the required postings furnished by the department, the contractor shall post the following in at least one conspicuous and accessible place at the site of work:

- a. A copy of the contractor's Equal Employment Opportunity Policy.

All required documents shall be posted by the first day of work and be accurate and complete. Postings must be readable, in an area where they will be noticed, and maintained until the last day of work.

### **IV. RESOURCES**

Required information regarding compliance with federal provisions is found in the following resources:

- FHWA-1273 included in this contract
- U.S. Department of Labor Prevailing Wage Resource Book
- U.S. Department of Labor Field Operations Handbook
- U.S. Code of Federal Regulations
- Any applicable law, Act, or Executive Order enacted by the federal government at the time of the letting of this contract

"General Decision Number: WI20210010 12/17/2021

Superseded General Decision Number: WI20200010

State: Wisconsin

Construction Type: Highway

Counties: Wisconsin Statewide.

HIGHWAY, AIRPORT RUNWAY & TAXIWAY CONSTRUCTION PROJECTS (does not include bridges over navigable waters; tunnels; buildings in highway rest areas; and railroad construction)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

| Modification Number | Publication Date |
|---------------------|------------------|
| 0                   | 01/01/2021       |
| 1                   | 03/12/2021       |
| 2                   | 03/19/2021       |
| 3                   | 04/09/2021       |
| 4                   | 05/14/2021       |
| 5                   | 07/09/2021       |
| 6                   | 12/17/2021       |

BRWI0001-002 06/01/2020

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND VERNON COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 35.31 | 24.7 7  |
| -----                   |          |         |
| BRWI0002-002 06/01/2020 |          |         |

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

| Rates | Fringes |
|-------|---------|
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 42.77 | 23.47 |
|-----------------|----------|-------|

-----  
BRWI0002-005 06/01/2020

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA,  
CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC,  
FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE,  
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,  
OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK,  
SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA,  
WINNEBAGO, AND WOOD COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                                   |          |       |
|-----------------------------------|----------|-------|
| CEMENT MASON/CONCRETE FINISHER... | \$ 36.68 | 23.40 |
|-----------------------------------|----------|-------|

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BRWI0003-002 06/01/2020

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 35.68 | 24.40 |
|-----------------|----------|-------|

-----  
BRWI0004-002 06/01/2020

KENOSHA, RACINE, AND WALWORTH COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 39.90 | 25.53 |
|-----------------|----------|-------|

-----  
BRWI0006-002 06/01/2020

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,  
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 36.60 | 23.48 |
|-----------------|----------|-------|

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BRWI0007-002 06/01/2020

GREEN, LAFAYETTE, AND ROCK COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 37.07 | 24.72 |
|-----------------|----------|-------|

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BRWI0008-002 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 40.75 | 24.32 |
|-----------------|----------|-------|

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BRWI0011-002 06/01/2020

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 35.68 | 24.40 |
|-----------------|----------|-------|

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BRWI0019-002 06/01/2020

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,  
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

|                 |          |         |
|-----------------|----------|---------|
|                 | Rates    | Fringes |
| BRICKLAYER..... | \$ 34.86 | 25.22   |

-----  
BRWI0034-002 06/01/2020

COLUMBIA AND SAUK COUNTIES

|                 |          |         |
|-----------------|----------|---------|
|                 | Rates    | Fringes |
| BRICKLAYER..... | \$ 37.36 | 24.43   |

-----  
CARP0087-001 05/01/2016

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys  
35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

|                                |          |         |
|--------------------------------|----------|---------|
|                                | Rates    | Fringes |
| Carpenter & Piledrivermen..... | \$ 36.85 | 18.39   |

-----  
CARP0252-002 06/01/2016

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO,  
BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA,  
CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except  
area bordering Michigan State Line), FOND DU LAC, FOREST,  
GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON,  
JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN,  
MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE,  
MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E.  
of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE,  
PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN,  
ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS,  
WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD  
COUNTIES

|                  |          |         |
|------------------|----------|---------|
|                  | Rates    | Fringes |
| CARPENTER        |          |         |
| CARPENTER.....   | \$ 33.56 | 18.00   |
| MILLWRIGHT.....  | \$ 35.08 | 18.35   |
| PILEDRIIVER..... | \$ 34.12 | 18.00   |

-----  
CARP0252-010 06/01/2016

ASHLAND COUNTY

|                  |          |         |
|------------------|----------|---------|
|                  | Rates    | Fringes |
| Carpenters       |          |         |
| Carpenter.....   | \$ 33.56 | 18.00   |
| Millwright.....  | \$ 35.08 | 18.35   |
| Pile Driver..... | \$ 34.12 | 18.00   |

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CARP0264-003 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON  
COUNTIES

|                | Rates    | Fringes |
|----------------|----------|---------|
| CARPENTER..... | \$ 35.78 | 22.11   |

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CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

|                | Rates    | Fringes |
|----------------|----------|---------|
| CARPENTER..... | \$ 36.15 | 20.43   |

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CARP2337-001 06/01/2016

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

|               | Rates    | Fringes |
|---------------|----------|---------|
| PILEDRIVERMAN |          |         |
| Zone A.....   | \$ 31.03 | 22.69   |
| Zone B.....   | \$ 31.03 | 22.69   |

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ELEC0014-002 06/14/2020

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK  
(except Maryville, Colby, Unity, Sherman, Fremont, Lynn &  
Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA  
CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST  
CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON, AND WASHBURN  
COUNTIES

|                    | Rates    | Fringes |
|--------------------|----------|---------|
| Electricians:..... | \$ 35.98 | 20.98   |

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ELEC0014-007 07/05/2020

REMAINING COUNTIES

|                           | Rates    | Fringes |
|---------------------------|----------|---------|
| Teledata System Installer |          |         |
| Installer/Technician..... | \$ 27.75 | 15.14   |

Low voltage construction, installation, maintenance and  
removal of teledata facilities (voice, data, and video)  
including outside plant, telephone and data inside wire,  
interconnect, terminal equipment, central offices, PABX,  
fiber optic cable and equipment, micro waves, V-SAT,  
bypass, CATV, WAN (wide area networks), LAN (local area  
networks), and ISDN (integrated systems digital network).

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ELEC0127-002 06/01/2020

KENOSHA COUNTY

|                         | Rates    | Fringes   |
|-------------------------|----------|-----------|
| Electricians:.....      | \$ 41.62 | 30%+12.70 |
| -----                   |          |           |
| ELEC0158-002 06/01/2020 |          |           |

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig),  
MARINETTE(Wausuakee and area South thereof), OCONTO, MENOMINEE  
(East of a line 6 miles West of the West boundary of Oconto  
County), SHAWANO (Except Area North of Townships of Aniwa and  
Hutchins) COUNTIES

|                           | Rates    | Fringes      |
|---------------------------|----------|--------------|
| ELECTRICIAN.....          | \$ 34.77 | 29.75%+10.26 |
| -----                     |          |              |
| * ELEC0159-003 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 05/31/2020    |          |         |

DOUGLAS COUNTY

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| Electricians:.....      | \$ 39.77 | 28.11   |
| -----                   |          |         |
| ELEC0388-002 06/01/2020 |          |         |

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman,  
Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON,  
MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area  
West of a line 6 miles West of the West boundary of Oconto  
County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS  
AND WOOD COUNTIES

|                         | Rates    | Fringes   |
|-------------------------|----------|-----------|
| Electricians:.....      | \$ 34.85 | 26%+11.20 |
| -----                   |          |           |
| ELEC0430-002 02/02/2021 |          |           |

RACINE COUNTY (Except Burlington Township)

|                         | Rates     | Fringes |
|-------------------------|-----------|---------|
| Electricians:.....      | \$ 41.859 | 22.871  |
| -----                   |           |         |
| ELEC0494-005 06/01/2021 |           |         |

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| Electricians:.....      | \$ 44.39 | 25.67   |
| -----                   |          |         |
| ELEC0494-006 06/01/2021 |          |         |

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| Electricians:.....      | \$ 37.91 | 22.74   |
| -----                   |          |         |
| ELEC0494-013 06/01/2021 |          |         |

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

|                        | Rates    | Fringes |
|------------------------|----------|---------|
| Sound & Communications |          |         |
| Installer.....         | \$ 22.39 | 18.80   |
| Technician.....        | \$ 32.49 | 20.26   |

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

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ELEC0577-003 06/01/2020

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

|                    | Rates    | Fringes      |
|--------------------|----------|--------------|
| Electricians:..... | \$ 34.23 | 29.50%+10.00 |

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ELEC0890-003 06/01/2021

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

|                    | Rates    | Fringes      |
|--------------------|----------|--------------|
| Electricians:..... | \$ 39.00 | 25.95%+11.17 |

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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   |

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ENGI0139-005 06/01/2020

|                          | Rates    | Fringes |
|--------------------------|----------|---------|
| Power Equipment Operator |          |         |
| Group 1.....             | \$ 41.62 | 23.80   |
| Group 2.....             | \$ 41.12 | 23.80   |
| Group 3.....             | \$ 40.62 | 23.80   |
| Group 4.....             | \$ 40.36 | 23.80   |
| Group 5.....             | \$ 40.07 | 23.80   |
| Group 6.....             | \$ 34.17 | 23.80   |

HAZARDOUS WASTE PREMIUMS:

EPA Level ""A"" protection - \$3.00 per hour  
EPA Level ""B"" protection - \$2.00 per hour  
EPA Level ""C"" protection - \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs;



pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self- propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender, day light machine

GROUP 6: Off-road material hauler with or without ejector.

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IRON0008-002 06/01/2021

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC,  
MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO  
COUNTIES:

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 38.77 | 28.15   |

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

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IRON0008-003 06/01/2021

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),  
WASHINGTON, AND WAUKESHA COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 40.57 | 28.40   |

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor  
Day, Thanksgiving Day & Christmas Day.

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IRON0383-001 06/06/2021

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST,  
GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA,  
JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON,  
MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern  
area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA,  
WAUSHARA, AND WOOD COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 37.75 | 27.06   |

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IRON0498-005 06/01/2019

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and  
WALWORTH (S.W. 1/3) COUNTIES:

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 40.25 | 40.53   |

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IRON0512-008 06/03/2019

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,  
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU  
COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 37.60 | 29.40   |

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IRON0512-021 05/03/2021

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,  
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 35.09 | 31.80   |

-----  
\* LAB00113-002 06/01/2021

MILWAUKEE AND WAUKESHA COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 31.40 | 22.26   |

|              |          |       |
|--------------|----------|-------|
| Group 2..... | \$ 31.55 | 22.26 |
| Group 3..... | \$ 31.75 | 22.26 |
| Group 4..... | \$ 31.90 | 22.26 |
| Group 5..... | \$ 32.05 | 22.26 |
| Group 6..... | \$ 27.89 | 22.26 |

#### LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

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\* LAB00113-003 06/01/2021

#### OZAUKEE AND WASHINGTON COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 30.65 | 22.26   |
| Group 2..... | \$ 30.75 | 22.26   |
| Group 3..... | \$ 30.80 | 22.26   |
| Group 4..... | \$ 31.00 | 22.26   |
| Group 5..... | \$ 30.85 | 22.26   |
| Group 6..... | \$ 27.74 | 22.26   |

#### LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

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\* LAB00113-011 06/01/2021

KENOSHA AND RACINE COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 30.46 | 22.26   |
| Group 2..... | \$ 30.61 | 22.26   |
| Group 3..... | \$ 30.81 | 22.26   |
| Group 4..... | \$ 30.78 | 22.26   |
| Group 5..... | \$ 31.11 | 22.26   |
| Group 6..... | \$ 27.60 | 22.26   |

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

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LAB00140-002 06/01/2020

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 33.72 | 17.95   |
| Group 2..... | \$ 33.82 | 17.95   |
| Group 3..... | \$ 33.87 | 17.95   |
| Group 4..... | \$ 34.07 | 17.95   |
| Group 5..... | \$ 33.92 | 17.95   |

Group 6.....\$ 30.35 17.95

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

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LAB00464-003 06/01/2020

DANE COUNTY

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 34.00 | 17.95   |
| Group 2..... | \$ 34.10 | 17.95   |
| Group 3..... | \$ 34.15 | 17.95   |
| Group 4..... | \$ 34.35 | 17.95   |
| Group 5..... | \$ 34.20 | 17.95   |
| Group 6..... | \$ 30.35 | 17.95   |

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

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PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

|                             | Rates    | Fringes |
|-----------------------------|----------|---------|
| Painters:                   |          |         |
| New:                        |          |         |
| Brush, Roller.....          | \$ 30.33 | 17.27   |
| Spray, Sandblast, Steel.... | \$ 30.93 | 17.27   |
| Repaint:                    |          |         |
| Brush, Roller.....          | \$ 28.83 | 17.27   |
| Spray, Sandblast, Steel.... | \$ 29.43 | 17.27   |

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\* PAIN0108-002 06/01/2021

RACINE COUNTY

|                        | Rates    | Fringes |
|------------------------|----------|---------|
| Painters:              |          |         |
| Brush, Roller.....     | \$ 36.08 | 20.36   |
| Spray & Sandblast..... | \$ 37.52 | 23.27   |

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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   |

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PAIN0259-004 05/01/2015

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPLEAU, AND  
VERNON COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| PAINTER..... | \$ 22.03 | 12.45   |

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PAIN0781-002 06/01/2019

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                        | Rates    | Fringes |
|------------------------|----------|---------|
| Painters:              |          |         |
| Bridge.....            | \$ 33.30 | 23.86   |
| Brush.....             | \$ 32.95 | 23.86   |
| Spray & Sandblast..... | \$ 33.70 | 23.86   |

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PAIN0802-002 06/01/2019

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,  
ROCK, AND SAUK COUNTIES

|         | Rates | Fringes |
|---------|-------|---------|
| PAINTER |       |         |

|            |          |       |
|------------|----------|-------|
| Brush..... | \$ 30.93 | 18.44 |
|------------|----------|-------|

PREMIUM PAY:

Structural Steel, Spray, Bridges = \$1.00 additional per hour.

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PAIN0802-003 06/01/2019

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| PAINTER..... | \$ 30.93 | 18.58   |

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\* PAIN0934-001 06/01/2021

KENOSHA AND WALWORTH COUNTIES

|                       | Rates    | Fringes |
|-----------------------|----------|---------|
| Painters:             |          |         |
| Brush.....            | \$ 36.52 | 23.27   |
| Spray.....            | \$ 37.52 | 23.27   |
| Structural Steel..... | \$ 36.67 | 23.27   |

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PAIN1011-002 06/02/2019

FLORENCE COUNTY

|                | Rates    | Fringes |
|----------------|----------|---------|
| Painters:..... | \$ 25.76 | 13.33   |

-----  
PLAS0599-010 06/01/2017

|                                | Rates    | Fringes |
|--------------------------------|----------|---------|
| CEMENT MASON/CONCRETE FINISHER |          |         |
| Area 1.....                    | \$ 39.46 | 17.17   |
| Area 2 (BAC).....              | \$ 35.07 | 19.75   |
| Area 3.....                    | \$ 35.61 | 19.40   |
| Area 4.....                    | \$ 34.70 | 20.51   |
| Area 5.....                    | \$ 36.27 | 18.73   |
| Area 6.....                    | \$ 32.02 | 22.99   |

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA  
CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND  
VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK  
COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

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TEAM0039-001 06/01/2021

|  | Rates    | Fringes |
|--|----------|---------|
| TRUCK DRIVER   |          |         |
| 1 & 2 Axles.....   | \$ 32.57 | 23.81   |
| 3 or more Axles; Euclids,<br>Dumpton & Articulated,<br>Truck Mechanic..... | \$ 32.72 | 23.81   |
| -----  |          |         |
| WELL DRILLER.....  | \$ 16.52 | 3.70    |
| -----  |          |         |

WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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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.

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

"General Decision Number: WI20210008 12/17/2021

Superseded General Decision Number: WI20200008

State: Wisconsin

Construction Types: Heavy (Sewer and Water Line and Tunnel)

Counties: Wisconsin Statewide.

TUNNEL, SEWER & WATER LINE CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

| Modification Number | Publication Date |
|---------------------|------------------|
| 0                   | 01/01/2021       |
| 1                   | 03/12/2021       |
| 2                   | 03/19/2021       |
| 3                   | 05/14/2021       |
| 4                   | 07/09/2021       |
| 5                   | 12/17/2021       |

BRWI0001-002 06/01/2020

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND VERNON COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 35.31 | 24.7 7  |
| -----                   |          |         |
| BRWI0002-002 06/01/2020 |          |         |

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 42.77 | 23.47   |

-----  
BRWI0002-005 06/01/2020

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA,  
CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC,  
FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE,  
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,  
OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK,  
SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA,  
WINNEBAGO, AND WOOD COUNTIES

|                                   | Rates    | Fringes |
|-----------------------------------|----------|---------|
| CEMENT MASON/CONCRETE FINISHER... | \$ 36.68 | 23.40   |

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BRWI0003-002 06/01/2020

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.68 | 24.40   |

-----

BRWI0004-002 06/01/2020

KENOSHA, RACINE, AND WALWORTH COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 39.90 | 25.53   |

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BRWI0006-002 06/01/2020

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,  
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 36.60 | 23.48   |

-----

BRWI0007-002 06/01/2020

GREEN, LAFAYETTE, AND ROCK COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 37.07 | 24.72   |

-----

BRWI0008-002 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 40.75 | 24.32   |

-----

BRWI0009-001 06/01/2020

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,  
AND WINNEBAGO COUNTIES

|  | Rates | Fringes |
|--|-------|---------|
|--|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 35.68 | 24.40 |
|-----------------|----------|-------|

-----  
BRWI0011-002 06/01/2020

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 35.68 | 24.40 |
|-----------------|----------|-------|

-----  
BRWI0013-002 06/03/2019

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 35.56 | 24.23 |
|-----------------|----------|-------|

-----  
BRWI0019-002 06/01/2020

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,  
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 34.86 | 25.22 |
|-----------------|----------|-------|

-----  
BRWI0021-002 06/01/2020

DODGE AND JEFFERSON COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 36.80 | 24.97 |
|-----------------|----------|-------|

-----  
BRWI0034-002 06/01/2020

COLUMBIA AND SAUK COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                 |          |       |
|-----------------|----------|-------|
| BRICKLAYER..... | \$ 37.36 | 24.43 |
|-----------------|----------|-------|

-----  
CARP0087-001 05/01/2016

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys  
35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

|       |         |
|-------|---------|
| Rates | Fringes |
|-------|---------|

|                                |          |       |
|--------------------------------|----------|-------|
| Carpenter & Piledrivermen..... | \$ 36.85 | 18.39 |
|--------------------------------|----------|-------|

-----  
CARP0252-002 06/01/2016

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO,  
BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA,  
CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except  
area bordering Michigan State Line), FOND DU LAC, FOREST,  
GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON,  
JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN,  
MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE,  
MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E.

of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| CARPENTER               |          |         |
| CARPENTER.....          | \$ 33.56 | 18.00   |
| MILLWRIGHT.....         | \$ 35.08 | 18.35   |
| PILEDRIIVER.....        | \$ 34.12 | 18.00   |
| -----                   |          |         |
| CARP0252-010 06/01/2016 |          |         |

#### ASHLAND COUNTY

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| Carpenters              |          |         |
| Carpenter.....          | \$ 33.56 | 18.00   |
| Millwright.....         | \$ 35.08 | 18.35   |
| Pile Driver.....        | \$ 34.12 | 18.00   |
| -----                   |          |         |
| CARP0264-003 06/01/2016 |          |         |

#### KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| CARPENTER.....          | \$ 35.78 | 22.11   |
| -----                   |          |         |
| CARP0361-004 05/01/2018 |          |         |

#### BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| CARPENTER.....          | \$ 36.15 | 20.43   |
| -----                   |          |         |
| CARP2337-001 06/01/2016 |          |         |

#### ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

#### ZONE B: KENOSHA & RACINE

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| PILEDRIVERMAN           |          |         |
| Zone A.....             | \$ 31.03 | 22.69   |
| Zone B.....             | \$ 31.03 | 22.69   |
| -----                   |          |         |
| CARP2337-003 06/01/2019 |          |         |

|             | Rates    | Fringes |
|-------------|----------|---------|
| MILLWRIGHT  |          |         |
| Zone A..... | \$ 33.58 | 21.53   |
| Zone B..... | \$ 33.58 | 21.53   |

#### ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

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ELEC0014-002 06/14/2020

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK  
(except Maryville, Colby, Unity, Sherman, Fremont, Lynn &  
Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA  
CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST  
CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON, AND WASHBURN  
COUNTIES

|                    | Rates    | Fringes |
|--------------------|----------|---------|
| Electricians:..... | \$ 35.98 | 20.98   |

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ELEC0127-002 06/01/2020

KENOSHA COUNTY

|                    | Rates    | Fringes   |
|--------------------|----------|-----------|
| Electricians:..... | \$ 41.62 | 30%+12.70 |

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ELEC0158-002 06/01/2020

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig),  
MARINETTE(Wausuakee and area South thereof), OCONTO, MENOMINEE  
(East of a line 6 miles West of the West boundary of Oconto  
County), SHAWANO (Except Area North of Townships of Aniwa and  
Hutchins) COUNTIES

|                  | Rates    | Fringes      |
|------------------|----------|--------------|
| ELECTRICIAN..... | \$ 34.77 | 29.75%+10.26 |

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\* 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   |

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ELEC0219-004 06/01/2019

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern,  
Florence and Homestead) AND MARINETTE COUNTY (Township of  
Niagara)

|                           | Rates | Fringes |
|---------------------------|-------|---------|
| Electricians:             |       |         |
| Electrical contracts over |       |         |

|                            |          |       |
|----------------------------|----------|-------|
| \$180,000.....             | \$ 33.94 | 21.80 |
| Electrical contracts under |          |       |
| \$180,000.....             | \$ 31.75 | 21.73 |

-----  
ELEC0242-005 05/31/2020

DOUGLAS COUNTY

|                    |          |         |
|--------------------|----------|---------|
|                    | Rates    | Fringes |
| Electricians:..... | \$ 39.77 | 28.11   |

-----  
ELEC0388-002 06/01/2020

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

|                    |          |           |
|--------------------|----------|-----------|
|                    | Rates    | Fringes   |
| Electricians:..... | \$ 34.85 | 26%+11.20 |

-----  
ELEC0430-002 02/02/2021

RACINE COUNTY (Except Burlington Township)

|                    |           |         |
|--------------------|-----------|---------|
|                    | Rates     | Fringes |
| Electricians:..... | \$ 41.859 | 22.871  |

-----  
ELEC0494-005 06/01/2021

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                    |          |         |
|--------------------|----------|---------|
|                    | Rates    | Fringes |
| Electricians:..... | \$ 44.39 | 25.67   |

-----  
ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

|                    |          |         |
|--------------------|----------|---------|
|                    | Rates    | Fringes |
| Electricians:..... | \$ 37.91 | 22.74   |

-----  
ELEC0577-003 06/01/2020

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

|                    |          |              |
|--------------------|----------|--------------|
|                    | Rates    | Fringes      |
| Electricians:..... | \$ 34.23 | 29.50%+10.00 |



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ELEC0890-003 06/01/2021

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,  
RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

|                    | Rates    | Fringes      |
|--------------------|----------|--------------|
| Electricians:..... | \$ 39.00 | 25.95%+11.17 |

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ENGI0139-003 06/01/2020

REMAINING COUNTIES

|                          | Rates    | Fringes |
|--------------------------|----------|---------|
| Power Equipment Operator |          |         |
| Group 1.....             | \$ 42.92 | 23.15   |
| Group 2.....             | \$ 41.67 | 23.15   |
| Group 3.....             | \$ 39.97 | 23.15   |
| Group 4.....             | \$ 39.44 | 23.15   |
| Group 5.....             | \$ 37.37 | 23.15   |
| Group 6.....             | \$ 35.84 | 23.15   |

HAZARDOUS WASTE PREMIUMS:

EPA Level "A" Protection: \$3.00 per hour

EPA Level "B" Protection: \$2.00 per hour

EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of over 100 tons; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,00 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweepers; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without attachments; Power Pack Vibratory/Ultra Sound Driver and Extractor; Fireman (Asphalt Plants); Screed Operator; Stone Crushers and Screening Plants; Air, Electric, Hydraulic Jacks (Slip Form); Prestress Machines; Air Compressor, 400 CFM or over; Refrigeration Plant/Freeze Machine; Boiler Operators (temporary heat); Forklifts; Welding Machines; Generators; Pumps over 3"; Heaters, Mechanical; Combination small equipment operator; Winches, small electric; Oiler; Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

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 ENGI0139-007 06/01/2020

DODGE, FOND DU LAC, JEFFERSON, KENOSHA, MILWAUKEE, OZAUKEE, RACINE, SHEBOYGAN, WALWORTH, WASHINGTON, AND WAUKESHA COUNTIES

|                          | Rates    | Fringes |
|--------------------------|----------|---------|
| Power Equipment Operator |          |         |
| Group 1.....             | \$ 41.64 | 23.25   |
| Group 2.....             | \$ 40.86 | 23.25   |
| Group 3.....             | \$ 39.91 | 23.25   |
| Group 4.....             | \$ 38.86 | 23.25   |
| Group 5.....             | \$ 37.46 | 23.25   |

HAZARDOUS WASTE PREMIUMS:  
 EPA Level "A" Protection: \$3.00 per hour  
 EPA Level "B" Protection: \$2.00 per hour  
 EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, and Derricks with or without attachments, with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Backhoes (Excavators) 130,000 lbs and over; Caisson Rigs and Pile Drivers

GROUP 2: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or under; or Cranes, Tower Cranes, and Derricks with boom, lead, and/or jib lengths measuring 175 feet or under; Backhoes (Excavators) under 130,000 lbs; Skid Rigs; Dredge Operator: Traveling Crane (Bridge type); Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Pumps and

Boring Machines (directional)

GROUP 3: Material Hoists; Stack Hoists; Tractor or Truck mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane, 5 tons or under; Manhoist; Tractor over 40 hp; Bulldozer over 40 hp; Endloader over 40 hp; Forklift, 25 ft and over; Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Mechanic and Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Percussion Drill Operator; Rotary Drill Operator; Blaster; Air Track Drill; Trencher (wheel type or chain type having over 8 inch bucket); Elevator; Milling Machine and Boring Machine (horizontal or vertical); Backhoe Mounted Compactor

GROUP 4: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machine (road type); Roller, Rubber Tire; Concrete Batch Hopper; Concrete Conveyor System; Concrete Mixers (14S or over); Screw type Pumps and Gypsum Pumps; Grout Pumps; Tractor, Bulldozer, End Loader, under 40 hp; Pumps (well points); Trencher (chain type 8 inch or smaller bucket); Industrial Locomotives; Roller under 5 tons; Fireman (Piledrivers and Derricks); Robotic Tool Carrier with or without attachments.

GROUP 5: Hoists (Automatic); Forklift, 12 ft to 25 ft; Tamper-Compactors, riding type; A-Frame and Winch Trucks; Concrete Auto Breaker; Hydrohammer, small; Brooms and Sweepers; Hoist (Tuggers); Stump Chipper, large; Boats (Tug, Safety, Work Barges and Launch); Shouldering Machine Operator; Screed Operator; Farm or Industrial Tractor; Post Hole Digger; Stone Crushers and Screening Plants; Firemen (Asphalt Plants); Air Compressor (400 CFM or over); Augers (vertical and horizontal); Generators, 150 KW and over; Air, Electric Hydraulic Jacks (Slipform); Prestress Machines; Skid Steer Loader with or without attachments; Boiler operators (temporary heat); Forklift, 12 ft and under; Screed Operator Milling Machine; Refrigeration Plant/Freeze Machine; Power Pack Vibratory/Ultra Sound Driver and Extractor; Generators under 150 KW; Combination small equipment operator; Compressors under 400 CFM; Welding Machines; Heaters, Mechanical; Pumps; Winches, Small Electric; Oiler and Greaser; Conveyor; High pressure utility locating machine (daylighting machine).

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IRON0008-002 06/01/2021

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 38.77 | 28.15   |

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

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IRON0008-003 06/01/2021

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 40.57 | 28.40   |

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

-----  
IRON0383-001 06/06/2021

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 37.75 | 27.06   |

-----  
IRON0498-005 06/01/2019

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and WALWORTH (S.W. 1/3) COUNTIES:

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 40.25 | 40.53   |

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IRON0512-008 06/03/2019

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 37.60 | 29.40   |

-----  
IRON0512-021 05/03/2021

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 35.09 | 31.80   |

-----  
LAB00113-004 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                      | Rates    | Fringes |
|----------------------|----------|---------|
| Laborers: (Open Cut) |          |         |
| Group 1.....         | \$ 16.38 | 21.08   |
| Group 2.....         | \$ 18.65 | 21.08   |
| Group 3.....         | \$ 22.19 | 21.08   |
| Group 4.....         | \$ 31.56 | 21.08   |

|              |          |       |
|--------------|----------|-------|
| Group 5..... | \$ 31.70 | 21.08 |
| Group 6..... | \$ 31.76 | 21.08 |
| Group 7..... | \$ 34.77 | 21.08 |
| Group 8..... | \$ 37.59 | 21.08 |
| Group 9..... | \$ 38.23 | 21.08 |

#### LABORERS CLASSIFICATIONS [OPEN CUT]

GROUP 1: Yard Laborer

GROUP 2: Landscaper

GROUP 3: Flag Person

GROUP 4: Paving Laborer

GROUP 5: General Laborer on Surface; Top Man

GROUP 6: Mud Mixer

GROUP 7: Mucker; Form Stripper; Bottom Digger and Misc;  
Bottom Man and Welder on Surface

GROUP 8: Concrete Manhole Builder; Caisson Worker; Miner;  
Pipe Layer; Rock Driller and Joint Man; Timber Man and  
Concrete Brusher; Bracer in Trench Behind Machine & Tight  
Sheeting; Concrete Formsetter and Shoveler; Jackhammer  
Operator

GROUP 9: Blaster

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LAB00113-005 06/01/2020

SEWER, TUNNEL & UNDERGROUND

KENOSHA AND RACINE COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| Laborers:    |          |         |
| Group 1..... | \$ 23.05 | 21.08   |
| Group 2..... | \$ 28.98 | 21.08   |
| Group 3..... | \$ 32.34 | 21.08   |
| Group 4..... | \$ 34.11 | 21.08   |

TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00, 15-30  
lbs add \$2.00, over 30 lbs add \$3.00

#### LABORERS CLASSIFICATIONS

GROUP 1: Flagperson

GROUP 2: Top Man, General Laborer, Wellpoint Installation,  
Wire Mesh and Reinforcement, Concrete Worker, Form  
Stripper, Strike-off Work

GROUP 3: Machine and Equipment Operator, Sheeting, Form  
Setting, Patch Finisher, Bottom Man, Joint Sawyer, Gunnite  
Man, Manhole Builder, Welder-Torchman, Blaster, Caulker,  
Bracer, Bull Float, Conduit Worker, Mucker and Car Pusher,  
Raker and Luteman, Hydraulic Jacking of Shields, Shield  
Drivers, Mining Machine, Lock Tenders, Mucking Machine  
Operator, Motor Men & Gauge Tenders and operation of

incidental Mechanical Equipment and all Power Driven Tools

GROUP 4: Pipelayer, Miner and Laser Operator

-----  
LAB00113-008 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

|                             | Rates    | Fringes |
|-----------------------------|----------|---------|
| Laborers: (Tunnel-Free Air) |          |         |
| Group 1.....                | \$ 22.19 | 21.08   |
| Group 2.....                | \$ 31.70 | 21.08   |
| Group 3.....                | \$ 31.76 | 21.08   |
| Group 4.....                | \$ 34.77 | 21.08   |
| Group 5.....                | \$ 34.91 | 21.08   |
| Group 6.....                | \$ 37.59 | 21.08   |
| Group 7.....                | \$ 38.23 | 21.08   |

LABORERS CLASSIFICATIONS [TUNNEL - FREE AIR]:

GROUP 1: Flagperson

GROUP 2: General Laborer on surface; Tower Man

GROUP 3: Saw Man; Top Man

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey; Welder (rate on surface)

GROUP 6: Concrete Manhole Builder; Mucking Machine; Miner;  
Mining Machine; Welder; Rock Driller; Concrete Buster; Jack  
Hammer Operator; Caisson Worker; Pipelayer and Joint Man;  
Bracerman

GROUP 7: Blaster

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\* LAB00113-009 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

|                              | Rates    | Fringes |
|------------------------------|----------|---------|
| Laborers: (Tunnel -          |          |         |
| *COMPRESSED AIR 0 - 15 lbs.) |          |         |
| Group 1.....                 | \$ 22.19 | 21.08   |
| Group 2.....                 | \$ 31.70 | 21.08   |
| Group 3.....                 | \$ 35.31 | 21.08   |
| Group 4.....                 | \$ 36.11 | 21.08   |
| Group 5.....                 | \$ 36.23 | 21.08   |
| Group 6.....                 | \$ 38.93 | 21.08   |
| Group 7.....                 | \$ 39.55 | 21.08   |

LABORERS CLASSIFICATIONS [TUNNEL - COMPRESSED AIR]:

\*Compressed Air 15 - 30 lbs add \$2.00 to all classifications

\*Compressed Air over 30 lbs add \$3.00 to all classifications

GROUP 1: Flagperson

GROUP 2: General Laborer on surface

GROUP 3: Lock Tender on surface

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey

GROUP 6: Mucking Machine; Miner; Mining Machine; Welder & Rock Driller; Lock Tender in tunnel; Concrete Buster; Jack Hammer Operator; Caisson Worker; 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.

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LAB00140-005 06/01/2020

ADAMS, ASHLAND, BARRON, BROWN, BUFFALO, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, JACKSON, JEFFERSON, JUNEAU, LACROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, ST CROIX, SAUK, SAWYER, SHAWANO, SHEBOYGAN, TAYLOR, TREMPPEALEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| LABORER (SEWER & WATER) |          |         |
| Group 1.....            | \$ 29.33 | 17.88   |
| Group 2.....            | \$ 31.18 | 17.88   |
| Group 3.....            | \$ 31.48 | 17.88   |
| Group 4.....            | \$ 32.13 | 17.88   |

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORER CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer, Wellpoint Installation; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

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LAB00464-002 06/01/2020

DANE AND DOUGLAS COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 29.23 | 17.88   |
| Group 2..... | \$ 31.43 | 17.88   |
| Group 3..... | \$ 31.63 | 17.88   |
| Group 4..... | \$ 32.38 | 17.88   |

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0 - 15 lbs add \$1.00, 15- 30 lbs add \$2.00, over 30 lbs add \$3.00

#### LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer; Wellpoint Installation; Concrete Worker; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

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LAB01091-010 06/01/2020

BAYFIELD, BURNETT, IRON, SAWYER, AND WASHBURN COUNTIES

|                           | Rates    | Fringes |
|---------------------------|----------|---------|
| Laborers: (SEWER & WATER) |          |         |
| Group 1.....              | \$ 29.02 | 17.88   |
| Group 2.....              | \$ 31.08 | 17.88   |
| Group 3.....              | \$ 31.28 | 17.88   |
| Group 4.....              | \$ 32.03 | 17.88   |

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR:  
0 - 15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add \$3.00

#### LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: Laborers, Wellpoint Installation; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

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|                                | Rates    | Fringes |
|--------------------------------|----------|---------|
| CEMENT MASON/CONCRETE FINISHER |          |         |
| Area 1.....                    | \$ 39.46 | 17.17   |
| Area 2 (BAC).....              | \$ 35.07 | 19.75   |
| Area 3.....                    | \$ 35.61 | 19.40   |
| Area 4.....                    | \$ 34.70 | 20.51   |
| Area 5.....                    | \$ 36.27 | 18.73   |
| Area 6.....                    | \$ 32.02 | 22.99   |

#### AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

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TEAM0039-001 06/01/2021

|  | Rates    | Fringes |
|--|----------|---------|
| TRUCK DRIVER   |          |         |
| 1 & 2 Axles.....   | \$ 32.57 | 23.81   |
| 3 or more Axles; Euclids,<br>Dumpton & Articulated,<br>Truck Mechanic..... | \$ 32.72 | 23.81   |
| -----  |          |         |
| WELL DRILLER.....  | \$ 16.52 | 3.70    |
| -----  |          |         |

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their

own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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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.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage

payment data, project description, area practice material,  
etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an  
interested party may appeal directly to the Administrative  
Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

**August 2018**

## **NOTICE TO BIDDERS WAGE RATE DECISION**

The wage rate decision of the Department of Labor which has been incorporated in these advertised specifications is incomplete in that the classifications may be omitted from the Department of Labor's decision.

Since the bidder is responsible, independently, for ascertaining area practice with respect to the necessity, or lack of necessity, for the use of these classifications in the prosecution of the work contemplated by this project, no inference may be drawn from the omission of these classifications concerning prevailing area practices relative to their use. Further, this omission will not, per se, be construed as establishing any governmental liability for increased labor cost if it is subsequently determined that such classifications are required.

There may be omissions and/or errors in the federal wage rates. The bidder is responsible for evaluating and determining the correct applicable rate.

If a project includes multiple types of construction (highway, bridge over navigable water, sanitary sewer and water main, building) and there is not a separate wage determination for this type of work included in the proposal, use the wage determination that is in the proposal.

If a project includes multiple types of construction, different wage rate determinations may be inserted into the contract (WI10/Highway = in all WisDOT highway contracts, WI15/Heavy = bridge over navigable water per USDOL and US Coast Guard designation, WI8/Heavy (Sewer & Water Line & Tunnel) = sanitary sewer and water main if the cost is more than 20% of the contract and/or at least \$1,000,000, and Building). If multiple wage rate determinations are inserted into the contract, use the classification in the wage determination for the work being done. Use WI15 wage rates when working on the bridge and/or structure from bank to bank. Use WI8 wage rates when working on any sanitary sewer or water main work. Use Building wage rates for all work done within the footprint of the building. Use WI10 wage rates for all other highway work in the contract and approaches to structures. For example, if a laborer is working within the footprint of a building, use the Laborer rate in the Building wage determination inserted in the contract. If a laborer is working on a bridge/structure within the banks, use the Laborer rate in the WI15/Heavy wage determination if inserted in the contract. If the laborer is working on the highway, use the Laborer rate in the WI10/Highway wage determination.



## Proposal Schedule of Items

Page 1 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description                                 | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0002                 | 204.0100<br>Removing Concrete Pavement              | 16,725.000<br>SY               | _____.     | _____.     |
| 0004                 | 204.0110<br>Removing Asphaltic Surface              | 2,486.000<br>SY                | _____.     | _____.     |
| 0006                 | 204.0150<br>Removing Curb & Gutter                  | 3,406.000<br>LF                | _____.     | _____.     |
| 0008                 | 204.0155<br>Removing Concrete Sidewalk              | 3,354.000<br>SY                | _____.     | _____.     |
| 0010                 | 204.0195<br>Removing Concrete Bases                 | 49.000<br>EACH                 | _____.     | _____.     |
| 0012                 | 204.0210<br>Removing Manholes                       | 19.000<br>EACH                 | _____.     | _____.     |
| 0014                 | 204.0220<br>Removing Inlets                         | 38.000<br>EACH                 | _____.     | _____.     |
| 0016                 | 204.0245<br>Removing Storm Sewer (size) 01. 8-Inch  | 125.000<br>LF                  | _____.     | _____.     |
| 0018                 | 204.0245<br>Removing Storm Sewer (size) 02. 10-Inch | 17.000<br>LF                   | _____.     | _____.     |
| 0020                 | 204.0245<br>Removing Storm Sewer (size) 03. 12-Inch | 1,789.000<br>LF                | _____.     | _____.     |
| 0022                 | 204.0245<br>Removing Storm Sewer (size) 04. 15-Inch | 293.000<br>LF                  | _____.     | _____.     |
| 0024                 | 204.0245<br>Removing Storm Sewer (size) 05. 18-Inch | 240.000<br>LF                  | _____.     | _____.     |
| 0026                 | 204.0245<br>Removing Storm Sewer (size) 06. 21-Inch | 94.000<br>LF                   | _____.     | _____.     |
| 0028                 | 204.0245<br>Removing Storm Sewer (size) 07. 24-Inch | 172.000<br>LF                  | _____.     | _____.     |
| 0030                 | 204.0245<br>Removing Storm Sewer (size) 08. 30-Inch | 500.000<br>LF                  | _____.     | _____.     |



## Proposal Schedule of Items

Page 2 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description   | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0032                 | 204.9060.S<br>Removing (item description) 01. Monotube Concrete Bases                       | 4.000<br>EACH                  | _____.     | _____.     |
| 0034                 | 204.9060.S<br>Removing (item description) 02. Sanitary Sewer Manholes                       | 8.000<br>EACH                  | _____.     | _____.     |
| 0036                 | 204.9060.S<br>Removing (item description) 03. Existing Traffic Signal W St Paul & Wisconsin | 1.000<br>EACH                  | _____.     | _____.     |
| 0038                 | 204.9060.S<br>Removing (item description) 04. Existing Traffic Signal W St Paul & Madison   | 1.000<br>EACH                  | _____.     | _____.     |
| 0040                 | 204.9090.S<br>Removing (item description) 01. Sanitary Sewer 6-inch                         | 41.000<br>LF                   | _____.     | _____.     |
| 0042                 | 204.9090.S<br>Removing (item description) 02. Sanitary Sewer 8-inch                         | 25.000<br>LF                   | _____.     | _____.     |
| 0044                 | 204.9090.S<br>Removing (item description) 03. Sanitary Sewer 10-inch                        | 242.000<br>LF                  | _____.     | _____.     |
| 0046                 | 204.9090.S<br>Removing (item description) 04. Sanitary Sewer 24-inch                        | 1,017.000<br>LF                | _____.     | _____.     |
| 0048                 | 205.0100<br>Excavation Common   | 16,599.000<br>CY               | _____.     | _____.     |
| 0050                 | 205.0501.S<br>Excavation, Hauling, and Disposal of Petroleum Contaminated Soil              | 1,600.000<br>TON               | _____.     | _____.     |
| 0052                 | 209.2500<br>Backfill Granular Grade 2   | 2,281.000<br>TON               | _____.     | _____.     |
| 0054                 | 213.0100<br>Finishing Roadway (project) 01. 2718-04-71                                      | 1.000<br>EACH                  | _____.     | _____.     |
| 0056                 | 305.0120<br>Base Aggregate Dense 1 1/4-Inch   | 8,956.000<br>TON               | _____.     | _____.     |
| 0058                 | 305.0130<br>Base Aggregate Dense 3-Inch   | 1,900.000<br>TON               | _____.     | _____.     |



## Proposal Schedule of Items

Page 3 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description                               | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0060                 | 415.0095<br>Concrete Pavement 9 1/2-Inch          | 15,635.000<br>SY               | _____.     | _____.     |
| 0062                 | 415.0410<br>Concrete Pavement Approach Slab       | 380.000<br>SY                  | _____.     | _____.     |
| 0064                 | 415.4100<br>Concrete Pavement Joint Filling       | 15,635.000<br>SY               | _____.     | _____.     |
| 0066                 | 416.0170<br>Concrete Driveway 7-Inch              | 5,225.000<br>SY                | _____.     | _____.     |
| 0068                 | 416.0180<br>Concrete Driveway 8-Inch              | 835.000<br>SY                  | _____.     | _____.     |
| 0070                 | 416.0620<br>Drilled Dowel Bars                    | 86.000<br>EACH                 | _____.     | _____.     |
| 0072                 | 455.0605<br>Tack Coat                             | 86.000<br>GAL                  | _____.     | _____.     |
| 0074                 | 460.2000<br>Incentive Density HMA Pavement        | 488.000<br>DOL                 | 1.00000    | 488.00     |
| 0076                 | 460.5223<br>HMA Pavement 3 LT 58-28 S             | 291.000<br>TON                 | _____.     | _____.     |
| 0078                 | 460.5225<br>HMA Pavement 5 LT 58-28 S             | 197.000<br>TON                 | _____.     | _____.     |
| 0080                 | 465.0125<br>Asphaltic Surface Temporary           | 580.000<br>TON                 | _____.     | _____.     |
| 0082                 | 520.8000<br>Concrete Collars for Pipe             | 18.000<br>EACH                 | _____.     | _____.     |
| 0084                 | 601.0407<br>Concrete Curb & Gutter 18-Inch Type D | 62.000<br>LF                   | _____.     | _____.     |
| 0086                 | 601.0409<br>Concrete Curb & Gutter 30-Inch Type A | 3,600.000<br>LF                | _____.     | _____.     |
| 0088                 | 601.0600<br>Concrete Curb Pedestrian              | 138.000<br>LF                  | _____.     | _____.     |
| 0090                 | 602.0405<br>Concrete Sidewalk 4-Inch              | 28,515.000<br>SF               | _____.     | _____.     |





## Proposal Schedule of Items

Page 4 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description   | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0092                 | 602.0505<br>Curb Ramp Detectable Warning Field Yellow   | 244.000<br>SF                  | _____.     | _____.     |
| 0094                 | 608.0318<br>Storm Sewer Pipe Reinforced Concrete Class III 18-Inch                            | 119.000<br>LF                  | _____.     | _____.     |
| 0096                 | 608.0324<br>Storm Sewer Pipe Reinforced Concrete Class III 24-Inch                            | 170.000<br>LF                  | _____.     | _____.     |
| 0098                 | 608.0330<br>Storm Sewer Pipe Reinforced Concrete Class III 30-Inch                            | 31.000<br>LF                   | _____.     | _____.     |
| 0100                 | 608.0412<br>Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch                             | 857.000<br>LF                  | _____.     | _____.     |
| 0102                 | 608.0415<br>Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch                             | 619.000<br>LF                  | _____.     | _____.     |
| 0104                 | 608.0418<br>Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch                             | 375.000<br>LF                  | _____.     | _____.     |
| 0106                 | 608.0421<br>Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch                             | 6.000<br>LF                    | _____.     | _____.     |
| 0108                 | 608.0424<br>Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch                             | 77.000<br>LF                   | _____.     | _____.     |
| 0110                 | 608.2419<br>Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch | 238.000<br>LF                  | _____.     | _____.     |
| 0112                 | 608.2424<br>Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch | 496.000<br>LF                  | _____.     | _____.     |
| 0114                 | 608.6012<br>Storm Sewer Pipe Composite 12-Inch  | 28.000<br>LF                   | _____.     | _____.     |
| 0116                 | 611.1004<br>Catch Basins 4-FT Diameter  | 10.000<br>EACH                 | _____.     | _____.     |



## Proposal Schedule of Items

Page 5 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description                        | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0118                 | 611.1005<br>Catch Basins 5-FT Diameter     | 6.000<br>EACH                  | _____.     | _____.     |
| 0120                 | 611.1006<br>Catch Basins 6-FT Diameter     | 3.000<br>EACH                  | _____.     | _____.     |
| 0122                 | 611.1230<br>Catch Basins 2x3-FT            | 25.000<br>EACH                 | _____.     | _____.     |
| 0124                 | 611.2004<br>Manholes 4-FT Diameter         | 3.000<br>EACH                  | _____.     | _____.     |
| 0126                 | 611.2005<br>Manholes 5-FT Diameter         | 6.000<br>EACH                  | _____.     | _____.     |
| 0128                 | 611.2006<br>Manholes 6-FT Diameter         | 3.000<br>EACH                  | _____.     | _____.     |
| 0130                 | 611.2007<br>Manholes 7-FT Diameter         | 1.000<br>EACH                  | _____.     | _____.     |
| 0132                 | 611.8105<br>Adjusting Catch Basin Covers   | 2.000<br>EACH                  | _____.     | _____.     |
| 0134                 | 611.8110<br>Adjusting Manhole Covers       | 4.000<br>EACH                  | _____.     | _____.     |
| 0136                 | 619.1000<br>Mobilization                   | 1.000<br>EACH                  | _____.     | _____.     |
| 0138                 | 623.0200<br>Dust Control Surface Treatment | 16,000.000<br>SY               | _____.     | _____.     |
| 0140                 | 624.0100<br>Water                          | 8,000.000<br>MGAL              | _____.     | _____.     |
| 0142                 | 625.0100<br>Topsoil                        | 3,370.000<br>SY                | _____.     | _____.     |
| 0144                 | 627.0200<br>Mulching                       | 91.000<br>SY                   | _____.     | _____.     |
| 0146                 | 628.1504<br>Silt Fence                     | 957.000<br>LF                  | _____.     | _____.     |
| 0148                 | 628.1520<br>Silt Fence Maintenance         | 957.000<br>LF                  | _____.     | _____.     |
| 0150                 | 628.1905<br>Mobilizations Erosion Control  | 21.000<br>EACH                 | _____.     | _____.     |



## Proposal Schedule of Items

Page 6 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description                                 | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0152                 | 628.1910<br>Mobilizations Emergency Erosion Control | 14.000<br>EACH                 | _____.     | _____.     |
| 0154                 | 628.7005<br>Inlet Protection Type A                 | 43.000<br>EACH                 | _____.     | _____.     |
| 0156                 | 628.7015<br>Inlet Protection Type C                 | 70.000<br>EACH                 | _____.     | _____.     |
| 0158                 | 628.7020<br>Inlet Protection Type D                 | 23.000<br>EACH                 | _____.     | _____.     |
| 0160                 | 628.7560<br>Tracking Pads                           | 8.000<br>EACH                  | _____.     | _____.     |
| 0162                 | 631.0300<br>Sod Water                               | 103.000<br>MGAL                | _____.     | _____.     |
| 0164                 | 631.1000<br>Sod Lawn                                | 3,370.000<br>SY                | _____.     | _____.     |
| 0166                 | 634.0816<br>Posts Tubular Steel 2x2-Inch X 16-FT    | 24.000<br>EACH                 | _____.     | _____.     |
| 0168                 | 637.2210<br>Signs Type II Reflective H              | 313.250<br>SF                  | _____.     | _____.     |
| 0170                 | 637.2215<br>Signs Type II Reflective H Folding      | 50.000<br>SF                   | _____.     | _____.     |
| 0172                 | 637.2230<br>Signs Type II Reflective F              | 27.000<br>SF                   | _____.     | _____.     |
| 0174                 | 638.2102<br>Moving Signs Type II                    | 13.000<br>EACH                 | _____.     | _____.     |
| 0176                 | 638.2602<br>Removing Signs Type II                  | 88.000<br>EACH                 | _____.     | _____.     |
| 0178                 | 638.3000<br>Removing Small Sign Supports            | 18.000<br>EACH                 | _____.     | _____.     |
| 0180                 | 642.5201<br>Field Office Type C                     | 1.000<br>EACH                  | _____.     | _____.     |
| 0182                 | 643.0300<br>Traffic Control Drums                   | 26,625.000<br>DAY              | _____.     | _____.     |
| 0184                 | 643.0420<br>Traffic Control Barricades Type III     | 5,925.000<br>DAY               | _____.     | _____.     |



## Proposal Schedule of Items

Page 7 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description                                | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0186                 | 643.0705<br>Traffic Control Warning Lights Type A  | 11,850.000<br>DAY              | _____.     | _____.     |
| 0188                 | 643.0715<br>Traffic Control Warning Lights Type C  | 5,050.000<br>DAY               | _____.     | _____.     |
| 0190                 | 643.0800<br>Traffic Control Arrow Boards           | 95.000<br>DAY                  | _____.     | _____.     |
| 0192                 | 643.0900<br>Traffic Control Signs                  | 11,070.000<br>DAY              | _____.     | _____.     |
| 0194                 | 643.0920<br>Traffic Control Covering Signs Type II | 4.000<br>EACH                  | _____.     | _____.     |
| 0196                 | 643.1000<br>Traffic Control Signs Fixed Message    | 20.000<br>SF                   | _____.     | _____.     |
| 0198                 | 643.1050<br>Traffic Control Signs PCMS             | 56.000<br>DAY                  | _____.     | _____.     |
| 0200                 | 643.5000<br>Traffic Control                        | 1.000<br>EACH                  | _____.     | _____.     |
| 0202                 | 644.1601<br>Temporary Pedestrian Curb Ramp         | 25.000<br>DAY                  | _____.     | _____.     |
| 0204                 | 645.0220<br>Geogrid Type SR                        | 2,000.000<br>SY                | _____.     | _____.     |
| 0206                 | 646.1020<br>Marking Line Epoxy 4-Inch              | 8,255.000<br>LF                | _____.     | _____.     |
| 0208                 | 646.3020<br>Marking Line Epoxy 8-Inch              | 2,778.000<br>LF                | _____.     | _____.     |
| 0210                 | 646.5020<br>Marking Arrow Epoxy                    | 27.000<br>EACH                 | _____.     | _____.     |
| 0212                 | 646.5120<br>Marking Word Epoxy                     | 3.000<br>EACH                  | _____.     | _____.     |
| 0214                 | 646.5220<br>Marking Symbol Epoxy                   | 7.000<br>EACH                  | _____.     | _____.     |
| 0216                 | 646.6120<br>Marking Stop Line Epoxy 18-Inch        | 307.000<br>LF                  | _____.     | _____.     |
| 0218                 | 646.7120<br>Marking Diagonal Epoxy 12-Inch         | 335.000<br>LF                  | _____.     | _____.     |



## Proposal Schedule of Items

Page 8 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description  | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0220                 | 646.7420<br>Marking Crosswalk Epoxy Transverse Line 6-Inch                         | 1,095.000<br>LF                | _____.     | _____.     |
| 0222                 | 646.8220<br>Marking Island Nose Epoxy  | 2.000<br>EACH                  | _____.     | _____.     |
| 0224                 | 646.8320<br>Marking Parking Stall Epoxy  | 205.000<br>LF                  | _____.     | _____.     |
| 0226                 | 646.9000<br>Marking Removal Line 4-Inch  | 300.000<br>LF                  | _____.     | _____.     |
| 0228                 | 646.9300<br>Marking Removal Special Marking  | 13.000<br>EACH                 | _____.     | _____.     |
| 0230                 | 649.0150<br>Temporary Marking Line Removable Tape 4-Inch                           | 4,000.000<br>LF                | _____.     | _____.     |
| 0232                 | 650.4000<br>Construction Staking Storm Sewer                                       | 60.000<br>EACH                 | _____.     | _____.     |
| 0234                 | 650.4500<br>Construction Staking Subgrade  | 3,250.000<br>LF                | _____.     | _____.     |
| 0236                 | 650.5000<br>Construction Staking Base  | 3,250.000<br>LF                | _____.     | _____.     |
| 0238                 | 650.5500<br>Construction Staking Curb Gutter and Curb & Gutter                     | 62.000<br>LF                   | _____.     | _____.     |
| 0240                 | 650.7000<br>Construction Staking Concrete Pavement                                 | 3,250.000<br>LF                | _____.     | _____.     |
| 0242                 | 650.8500<br>Construction Staking Electrical Installations (project) 01. 2718-04-71 | LS                             | LUMP SUM   | _____.     |
| 0244                 | 650.9000<br>Construction Staking Curb Ramps  | 24.000<br>EACH                 | _____.     | _____.     |
| 0246                 | 650.9910<br>Construction Staking Supplemental Control (project) 01. 2718-04-71     | LS                             | LUMP SUM   | _____.     |
| 0248                 | 650.9920<br>Construction Staking Slope Stakes                                      | 3,250.000<br>LF                | _____.     | _____.     |



## Proposal Schedule of Items

Page 9 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description                                       | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0250                 | 652.0225<br>Conduit Rigid Nonmetallic Schedule 40 2-Inch  | 1,969.000<br>LF                | _____.     | _____.     |
| 0252                 | 652.0235<br>Conduit Rigid Nonmetallic Schedule 40 3-Inch  | 1,837.000<br>LF                | _____.     | _____.     |
| 0254                 | 653.0135<br>Pull Boxes Steel 24x36-Inch                   | 35.000<br>EACH                 | _____.     | _____.     |
| 0256                 | 653.0140<br>Pull Boxes Steel 24x42-Inch                   | 17.000<br>EACH                 | _____.     | _____.     |
| 0258                 | 653.0905<br>Removing Pull Boxes                           | 64.000<br>EACH                 | _____.     | _____.     |
| 0260                 | 654.0101<br>Concrete Bases Type 1                         | 19.000<br>EACH                 | _____.     | _____.     |
| 0262                 | 654.0110<br>Concrete Bases Type 10                        | 8.000<br>EACH                  | _____.     | _____.     |
| 0264                 | 654.0217<br>Concrete Control Cabinet Bases Type 9 Special | 2.000<br>EACH                  | _____.     | _____.     |
| 0266                 | 654.0230<br>Concrete Control Cabinet Bases Type L30       | 1.000<br>EACH                  | _____.     | _____.     |
| 0268                 | 655.0240<br>Cable Traffic Signal 7-14 AWG                 | 2,474.000<br>LF                | _____.     | _____.     |
| 0270                 | 655.0260<br>Cable Traffic Signal 12-14 AWG                | 4,456.000<br>LF                | _____.     | _____.     |
| 0272                 | 655.0320<br>Cable Type UF 2-10 AWG Grounded               | 1,087.000<br>LF                | _____.     | _____.     |
| 0274                 | 655.0515<br>Electrical Wire Traffic Signals 10 AWG        | 9,810.000<br>LF                | _____.     | _____.     |
| 0276                 | 655.0615<br>Electrical Wire Lighting 10 AWG               | 4,039.000<br>LF                | _____.     | _____.     |
| 0278                 | 655.0625<br>Electrical Wire Lighting 6 AWG                | 4,534.000<br>LF                | _____.     | _____.     |
| 0280                 | 655.0630<br>Electrical Wire Lighting 4 AWG                | 13,664.000<br>LF               | _____.     | _____.     |



## Proposal Schedule of Items

Page 10 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description  | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0282                 | 655.0900<br>Traffic Signal EVP Detector Cable  | 3,065.000<br>LF                | _____.     | _____.     |
| 0284                 | 656.0200<br>Electrical Service Meter Breaker Pedestal (location) 01. W. St. Paul Ave. & W. North / Wisconsin Ave | LS                             | LUMP SUM   | _____.     |
| 0286                 | 656.0200<br>Electrical Service Meter Breaker Pedestal (location) 02. W. St. Paul Ave. & Madison St.              | LS                             | LUMP SUM   | _____.     |
| 0288                 | 656.0400<br>Electrical Service Main Lugs Only Meter Pedestal (location) 01. 106+09.19                            | LS                             | LUMP SUM   | _____.     |
| 0290                 | 657.0100<br>Pedestal Bases   | 19.000<br>EACH                 | _____.     | _____.     |
| 0292                 | 657.0350<br>Poles Type 10  | 8.000<br>EACH                  | _____.     | _____.     |
| 0294                 | 657.0425<br>Traffic Signal Standards Aluminum 15-FT  | 17.000<br>EACH                 | _____.     | _____.     |
| 0296                 | 657.0430<br>Traffic Signal Standards Aluminum 10-FT  | 2.000<br>EACH                  | _____.     | _____.     |
| 0298                 | 657.0525<br>Monotube Arms 25-FT  | 3.000<br>EACH                  | _____.     | _____.     |
| 0300                 | 657.0530<br>Monotube Arms 30-FT  | 5.000<br>EACH                  | _____.     | _____.     |
| 0302                 | 657.0808<br>Luminaire Arms Steel 8-FT  | 8.000<br>EACH                  | _____.     | _____.     |
| 0304                 | 658.0173<br>Traffic Signal Face 3S 12-Inch   | 26.000<br>EACH                 | _____.     | _____.     |
| 0306                 | 658.0174<br>Traffic Signal Face 4S 12-Inch   | 6.000<br>EACH                  | _____.     | _____.     |
| 0308                 | 658.0175<br>Traffic Signal Face 5S 12-Inch   | 2.000<br>EACH                  | _____.     | _____.     |
| 0310                 | 658.0416<br>Pedestrian Signal Face 16-Inch   | 16.000<br>EACH                 | _____.     | _____.     |



## Proposal Schedule of Items

Page 11 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description  | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0312                 | 658.5069<br>Signal Mounting Hardware (location) 01.<br>W. St. Paul Ave. & W. North / Wisconsin Ave | LS                             | LUMP SUM   | _____.     |
| 0314                 | 658.5069<br>Signal Mounting Hardware (location) 02.<br>W. St. Paul Ave. & Madison St.              | LS                             | LUMP SUM   | _____.     |
| 0316                 | 671.0112<br>Conduit HDPE 1-Duct 2-Inch   | 3,965.000<br>LF                | _____.     | _____.     |
| 0318                 | 671.0122<br>Conduit HDPE 2-Duct 2-Inch   | 121.000<br>LF                  | _____.     | _____.     |
| 0320                 | 674.0300<br>Remove Cable   | 5,220.000<br>LF                | _____.     | _____.     |
| 0322                 | 678.0006<br>Install Fiber Optic Cable Outdoor Plant 6-CT   | 4,196.000<br>LF                | _____.     | _____.     |
| 0324                 | 678.0400<br>Fiber Optic Termination  | 7.000<br>EACH                  | _____.     | _____.     |
| 0326                 | 678.0500<br>Communication System Testing   | LS                             | LUMP SUM   | _____.     |
| 0328                 | 678.0600<br>Install Ethernet Switches  | 2.000<br>EACH                  | _____.     | _____.     |
| 0330                 | 690.0150<br>Sawing Asphalt   | 619.000<br>LF                  | _____.     | _____.     |
| 0332                 | 690.0250<br>Sawing Concrete  | 91.000<br>LF                   | _____.     | _____.     |
| 0334                 | 715.0720<br>Incentive Compressive Strength Concrete Pavement                                       | 1,592.000<br>DOL               | 1.00000    | 1,592.00   |
| 0336                 | ASP.1T0A<br>On-the-Job Training Apprentice at \$5.00/HR  | 3,000.000<br>HRS               | 5.00000    | 15,000.00  |
| 0338                 | ASP.1T0G<br>On-the-Job Training Graduate at \$5.00/HR  | 4,320.000<br>HRS               | 5.00000    | 21,600.00  |





## Proposal Schedule of Items

Page 12 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description  | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0340                 | SPV.0060<br>Special 01. Remove and Salvage Existing Street Lighting Unit                     | 27.000<br>EACH                 | _____.     | _____.     |
| 0342                 | SPV.0060<br>Special 02. Remove and Dispose of Existing Street Light Controller               | 1.000<br>EACH                  | _____.     | _____.     |
| 0344                 | SPV.0060<br>Special 03. Lighting Control Cabinet   | 1.000<br>EACH                  | _____.     | _____.     |
| 0346                 | SPV.0060<br>Special 04. Install City Furnished Pole & 8-Foot Arm LED Luminaire               | 14.000<br>EACH                 | _____.     | _____.     |
| 0348                 | SPV.0060<br>Special 05. Install City Furnished Post Top Pole LED Luminaire                   | 14.000<br>EACH                 | _____.     | _____.     |
| 0350                 | SPV.0060<br>Special 06. Install City-Furnished Street Light Luminaire on Traffic Signal      | 8.000<br>EACH                  | _____.     | _____.     |
| 0352                 | SPV.0060<br>Special 07. Install Existing Fiber Optic Communication Conduit into New Pull Box | 3.000<br>EACH                  | _____.     | _____.     |
| 0354                 | SPV.0060<br>Special 08. Communications Vault 24x36   | 12.000<br>EACH                 | _____.     | _____.     |
| 0356                 | SPV.0060<br>Special 09. Traffic Signal Controller Programming W St Paul Ave & Wisconsin Ave  | 1.000<br>EACH                  | _____.     | _____.     |
| 0358                 | SPV.0060<br>Special 10. Traffic Signal Controller Programming W St Paul Ave & Madison St     | 1.000<br>EACH                  | _____.     | _____.     |
| 0360                 | SPV.0060<br>Special 11. Abandoning Sanitary Sewer Manholes                                   | 4.000<br>EACH                  | _____.     | _____.     |
| 0362                 | SPV.0060<br>Special 12. Adjusting Sanitary Sewer Manholes                                    | 11.000<br>EACH                 | _____.     | _____.     |
| 0364                 | SPV.0060<br>Special 13. Sanitary Manhole 48-Inch   | 3.000<br>EACH                  | _____.     | _____.     |



## Proposal Schedule of Items

Page 13 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description   | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0366                 | SPV.0060<br>Special 14. Sanitary Manhole 72-Inch                                  | 1.000<br>EACH                  | _____.     | _____.     |
| 0368                 | SPV.0060<br>Special 15. Televiser Sanitary Lateral                                | 17.000<br>EACH                 | _____.     | _____.     |
| 0370                 | SPV.0060<br>Special 16. Construction Staking Sanitary Sewer                       | 27.000<br>EACH                 | _____.     | _____.     |
| 0372                 | SPV.0060<br>Special 17. Construction Staking Fiber Optic                          | 12.000<br>EACH                 | _____.     | _____.     |
| 0374                 | SPV.0060<br>Special 18. Install Manhole Covers                                    | 17.000<br>EACH                 | _____.     | _____.     |
| 0376                 | SPV.0060<br>Special 19. Install Inlet Covers                                      | 46.000<br>EACH                 | _____.     | _____.     |
| 0378                 | SPV.0060<br>Special 23. Furnish and Install Gate Valve and Valve Box 8-inch       | 4.000<br>EACH                  | _____.     | _____.     |
| 0380                 | SPV.0060<br>Special 24. Furnish and Install Gate Valve and Valve Box 12-inch      | 9.000<br>EACH                  | _____.     | _____.     |
| 0382                 | SPV.0060<br>Special 25. Furnish and Install Butterfly Valve and Valve Box 16-inch | 2.000<br>EACH                  | _____.     | _____.     |
| 0384                 | SPV.0060<br>Special 26. Reconnect 3/4-inch Copper Water Service Type SL1          | 4.000<br>EACH                  | _____.     | _____.     |
| 0386                 | SPV.0060<br>Special 27. Reconnect 4-inch Water Service Type SL2                   | 1.000<br>EACH                  | _____.     | _____.     |
| 0388                 | SPV.0060<br>Special 28. Reconnect 6-inch Water Service Type SL3                   | 3.000<br>EACH                  | _____.     | _____.     |
| 0390                 | SPV.0060<br>Special 29. Reconnect 6-inch Water Service Type SL4                   | 1.000<br>EACH                  | _____.     | _____.     |
| 0392                 | SPV.0060<br>Special 30. Reconnect 8-inch Water Service Type SL5                   | 1.000<br>EACH                  | _____.     | _____.     |



## Proposal Schedule of Items

Page 14 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description  | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0394                 | SPV.0060<br>Special 31. Reconnect 1-inch Copper Water Service Type SL6                               | 1.000<br>EACH                  | _____.     | _____.     |
| 0396                 | SPV.0060<br>Special 32. Hydrant Assembly   | 5.000<br>EACH                  | _____.     | _____.     |
| 0398                 | SPV.0060<br>Special 33. Abandon Hydrant  | 6.000<br>EACH                  | _____.     | _____.     |
| 0400                 | SPV.0060<br>Special 34. Abandon Valve Boxes and Manholes   | 13.000<br>EACH                 | _____.     | _____.     |
| 0402                 | SPV.0060<br>Special 35. Remove and Replace Fiber Optic Cable W St Paul & N Prairie Ave               | 1.000<br>EACH                  | _____.     | _____.     |
| 0404                 | SPV.0060<br>Special 36. Remove and Replace Fiber Optic Cable W North St & Madison / Delafield St     | 1.000<br>EACH                  | _____.     | _____.     |
| 0406                 | SPV.0060<br>Special 37. Remove and Replace Fiber Optic Cable E St Paul & NW Barstow St               | 1.000<br>EACH                  | _____.     | _____.     |
| 0408                 | SPV.0060<br>Special 38. Furnish and Install Traffic Signal Controller and Cabinet W St Paul Ave & Wi | 1.000<br>EACH                  | _____.     | _____.     |
| 0410                 | SPV.0060<br>Special 39. Furnish and Install Traffic Signal Controller and Cabinet W St Paul Ave & Ma | 1.000<br>EACH                  | _____.     | _____.     |
| 0412                 | SPV.0060<br>Special 40. Furnish and Install Audible Pedestrian Push Button System W St Paul Ave & Wi | 1.000<br>EACH                  | _____.     | _____.     |
| 0414                 | SPV.0060<br>Special 41. Furnish and Install Audible Pedestrian Push Button System W St Paul Ave & Ma | 1.000<br>EACH                  | _____.     | _____.     |
| 0416                 | SPV.0060<br>Special 42. Furnish and Install Emergency Vehicle Preemption System W St Paul Ave & Wisc | 1.000<br>EACH                  | _____.     | _____.     |



## Proposal Schedule of Items

Page 15 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description  | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0418                 | SPV.0060<br>Special 43. Furnish and Install<br>Emergency Vehicle Preemption System<br>W St Paul Ave & Madi | 1.000<br>EACH                  | _____.     | _____.     |
| 0420                 | SPV.0060<br>Special 44. Relocate Existing Wireless<br>Communication Antenna                                | 1.000<br>EACH                  | _____.     | _____.     |
| 0422                 | SPV.0060<br>Special 45. Furnish and Install Vehicle<br>Video Detection System W St Paul Ave &<br>Wisconsin | 1.000<br>EACH                  | _____.     | _____.     |
| 0424                 | SPV.0060<br>Special 46. Furnish and Install Vehicle<br>Video Detection System W St Paul Ave &<br>Madison S | 1.000<br>EACH                  | _____.     | _____.     |
| 0426                 | SPV.0060<br>Special 47. Temporary Street Lighting  | 1.000<br>EACH                  | _____.     | _____.     |
| 0428                 | SPV.0090<br>Special 01. Remove and Dispose of<br>Existing Wire and Abandon Conduit In<br>Place             | 4,050.000<br>LF                | _____.     | _____.     |
| 0430                 | SPV.0090<br>Special 02. Abandoning Storm Sewer   | 196.000<br>LF                  | _____.     | _____.     |
| 0432                 | SPV.0090<br>Special 03. Abandoning Sanitary Sewer<br>Pipe  | 253.000<br>LF                  | _____.     | _____.     |
| 0434                 | SPV.0090<br>Special 04. CIPP Sanitary Sewer Pipe 8-<br>inch  | 179.000<br>LF                  | _____.     | _____.     |
| 0436                 | SPV.0090<br>Special 05. CIPP Sanitary Sewer Pipe<br>10-inch  | 612.000<br>LF                  | _____.     | _____.     |
| 0438                 | SPV.0090<br>Special 06. CIPP Sanitary Sewer Pipe<br>18-inch  | 133.000<br>LF                  | _____.     | _____.     |
| 0440                 | SPV.0090<br>Special 07. CIPP Sanitary Sewer Pipe<br>24-inch  | 399.000<br>LF                  | _____.     | _____.     |



## Proposal Schedule of Items

Page 16 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description  | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0442                 | SPV.0090<br>Special 08. CIPP Sanitary Sewer Pipe 42-inch                             | 1,214.000<br>LF                | _____.     | _____.     |
| 0444                 | SPV.0090<br>Special 09. CIPP Sanitary Sewer Pipe 48-inch                             | 1,182.000<br>LF                | _____.     | _____.     |
| 0446                 | SPV.0090<br>Special 10. PVC Sanitary Sewer Pipe 8-inch                               | 296.000<br>LF                  | _____.     | _____.     |
| 0448                 | SPV.0090<br>Special 11. PVC Sanitary Sewer Pipe 10-inch                              | 12.000<br>LF                   | _____.     | _____.     |
| 0450                 | SPV.0090<br>Special 12. Sanitary Sewer Lateral Replacement 6-inch                    | 648.000<br>LF                  | _____.     | _____.     |
| 0452                 | SPV.0090<br>Special 13. Furnish and Install Water Main and Fittings 8-inch           | 270.000<br>LF                  | _____.     | _____.     |
| 0454                 | SPV.0090<br>Special 14. Furnish and Install Water Main and Fittings 12-inch          | 2,055.000<br>LF                | _____.     | _____.     |
| 0456                 | SPV.0090<br>Special 15. Furnish and Install Water Main and Fittings 16-inch Class 52 | 490.000<br>LF                  | _____.     | _____.     |
| 0458                 | SPV.0090<br>Special 16. Clean and Televiser Sanitary Sewer                           | 1,075.000<br>LF                | _____.     | _____.     |
| 0460                 | SPV.0090<br>Special 16. Construction Staking Watermain                               | 2,755.000<br>LF                | _____.     | _____.     |
| 0462                 | SPV.0090<br>Special 17. Clean and Televiser Storm Sewer                              | 5,000.000<br>LF                | _____.     | _____.     |
| 0464                 | SPV.0090<br>Special 19. Conduit HDPE 1-Duct 3-Inch                                   | 1,911.000<br>LF                | _____.     | _____.     |
| Section: 0001        |  |                                | Total:     | _____.     |
|                      |  |                                | Total Bid: | _____.     |

**PLEASE ATTACH ADDENDA HERE**



## Wisconsin Department of Transportation

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January 31, 2022

**Division of Transportation Systems  
Development**

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> 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 8, 2022**

Attached is a copy of the revised WI 10 Highway Davis Bacon Prevailing Wage Rates that are included in proposals 04 – 10, 13 – 19, 21 – 24, 26, 27, 29 – 32, 34 – 37, 39, 41 – 43, 45, 47, and 50 – 52; WI 8 Heavy (Sewer & Water Line & Tunnel) Davis Bacon Prevailing Wage Rates that are included in proposals 04, 15, and 29; and WI 15 Heavy Davis Bacon Prevailing Wage Rates that are included in proposal 10. These wage rates are effective for all proposals they are included in in the February 8, 2022 letting. The updated wage rates are dated January 21, 2022 and are effective on or after January 31, 2022.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractors.

Sincerely,

*Mike Coleman*

Proposal Development Specialist  
Proposal Management Section

"General Decision Number: WI20220010 01/21/2022

Superseded General Decision Number: WI20210010

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).

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 \$15.00 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 2022.

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 \$11.25 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 2022.

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 [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

| Modification Number | Publication Date |
|---------------------|------------------|
| 0                   | 01/07/2022       |
| 1                   | 01/21/2022       |

BRWI0001-002 06/01/2020

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND VERNON COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.31 | 24.7 7  |



-----  
BRWI0002-002 06/01/2020

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 42.77 | 23.47   |

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BRWI0002-005 06/01/2020

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA,  
CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC,  
FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE,  
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,  
OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK,  
SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA,  
WINNEBAGO, AND WOOD COUNTIES

|                                   | Rates    | Fringes |
|-----------------------------------|----------|---------|
| CEMENT MASON/CONCRETE FINISHER... | \$ 36.68 | 23.40   |

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BRWI0003-002 06/01/2020

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.68 | 24.40   |

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BRWI0004-002 06/01/2020

KENOSHA, RACINE, AND WALWORTH COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 39.90 | 25.53   |

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BRWI0006-002 06/01/2020

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,  
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 36.60 | 23.48   |

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BRWI0007-002 06/01/2020

GREEN, LAFAYETTE, AND ROCK COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 37.07 | 24.72   |

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BRWI0008-002 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 40.75 | 24.32   |

-----  
BRWI0011-002 06/01/2020

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.68 | 24.40   |

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BRWI0019-002 06/01/2020

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,  
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 34.86 | 25.22   |

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BRWI0034-002 06/01/2020

COLUMBIA AND SAUK COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 37.36 | 24.43   |

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CARP0087-001 05/01/2016

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys  
35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

|                                | Rates    | Fringes |
|--------------------------------|----------|---------|
| Carpenter & Piledrivermen..... | \$ 36.85 | 18.39   |

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CARP0252-002 06/01/2016

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO,  
BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA,  
CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except  
area bordering Michigan State Line), FOND DU LAC, FOREST,  
GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON,  
JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN,  
MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE,  
MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E.  
of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE,  
PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN,  
ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS,  
WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD  
COUNTIES

|                  | Rates    | Fringes |
|------------------|----------|---------|
| CARPENTER        |          |         |
| CARPENTER.....   | \$ 33.56 | 18.00   |
| MILLWRIGHT.....  | \$ 35.08 | 18.35   |
| PILEDRIIVER..... | \$ 34.12 | 18.00   |

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CARP0252-010 06/01/2016

ASHLAND COUNTY

|                  | Rates    | Fringes |
|------------------|----------|---------|
| Carpenters       |          |         |
| Carpenter.....   | \$ 33.56 | 18.00   |
| Millwright.....  | \$ 35.08 | 18.35   |
| Pile Driver..... | \$ 34.12 | 18.00   |

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 CARP0264-003 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON  
 COUNTIES

|                | Rates    | Fringes |
|----------------|----------|---------|
| CARPENTER..... | \$ 35.78 | 22.11   |

-----  
 CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

|                | Rates    | Fringes |
|----------------|----------|---------|
| CARPENTER..... | \$ 36.15 | 20.43   |

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 CARP2337-001 06/01/2016

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

|               | Rates    | Fringes |
|---------------|----------|---------|
| PILEDRIVERMAN |          |         |
| Zone A.....   | \$ 31.03 | 22.69   |
| Zone B.....   | \$ 31.03 | 22.69   |

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 \* ELEC0014-002 12/26/2021

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:..... | \$ 37.83 | 21.89   |

-----  
 ELEC0014-007 05/30/2021

REMAINING COUNTIES

|                           | Rates    | Fringes |
|---------------------------|----------|---------|
| Teledata System Installer |          |         |
| Installer/Technician..... | \$ 28.50 | 15.92   |

Low voltage construction, installation, maintenance and  
 removal of teledata facilities (voice, data, and video)  
 including outside plant, telephone and data inside wire,  
 interconnect, terminal equipment, central offices, PABX,

fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated systems digital network).

-----  
ELEC0127-002 06/01/2020

KENOSHA COUNTY

|                    | Rates    | Fringes   |
|--------------------|----------|-----------|
| Electricians:..... | \$ 41.62 | 30%+12.70 |

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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 |

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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   |

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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   |

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\* ELEC0242-005 05/30/2021

DOUGLAS COUNTY

|                    | Rates    | Fringes |
|--------------------|----------|---------|
| Electricians:..... | \$ 41.37 | 69.25%  |

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ELEC0388-002 06/01/2020

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman,

Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

|                         | Rates    | Fringes   |
|-------------------------|----------|-----------|
| Electricians:.....      | \$ 34.85 | 26%+11.20 |
| -----                   |          |           |
| ELEC0430-002 06/01/2021 |          |           |

RACINE COUNTY (Except Burlington Township)

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| Electricians:.....      | \$ 43.45 | 24.89   |
| -----                   |          |         |
| ELEC0494-005 06/01/2021 |          |         |

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| Electricians:.....      | \$ 44.39 | 25.67   |
| -----                   |          |         |
| ELEC0494-006 06/01/2021 |          |         |

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| Electricians:.....      | \$ 37.91 | 22.74   |
| -----                   |          |         |
| ELEC0494-013 06/01/2021 |          |         |

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

|                        | Rates    | Fringes |
|------------------------|----------|---------|
| Sound & Communications |          |         |
| Installer.....         | \$ 22.39 | 18.80   |
| Technician.....        | \$ 32.49 | 20.26   |

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit,

wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

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ELEC0577-003 06/01/2021

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:..... | \$ 35.66 | 29.50%+10.00 |

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ELEC0890-003 06/01/2021

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

|                    | Rates    | Fringes      |
|--------------------|----------|--------------|
| Electricians:..... | \$ 39.00 | 25.95%+11.17 |

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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   |

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ENGI0139-005 06/01/2020

|                          | Rates    | Fringes |
|--------------------------|----------|---------|
| Power Equipment Operator |          |         |
| Group 1.....             | \$ 41.62 | 23.80   |
| Group 2.....             | \$ 41.12 | 23.80   |
| Group 3.....             | \$ 40.62 | 23.80   |
| Group 4.....             | \$ 40.36 | 23.80   |
| Group 5.....             | \$ 40.07 | 23.80   |
| Group 6.....             | \$ 34.17 | 23.80   |

HAZARDOUS WASTE PREMIUMS:

EPA Level ""A"" protection - \$3.00 per hour  
EPA Level ""B"" protection - \$2.00 per hour  
EPA Level ""C"" protection - \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs; pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self- propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender, day light machine

GROUP 6: Off-road material hauler with or without ejector.

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 IRON0008-002 06/01/2021  
  
 BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 38.77 | 28.15   |

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

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IRON0008-003 06/01/2021

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),  
WASHINGTON, AND WAUKESHA COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 40.57 | 28.40   |

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

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IRON0383-001 06/06/2021

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST,  
GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA,  
JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON,  
MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern  
area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA,  
WAUSHARA, AND WOOD COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 37.75 | 27.06   |

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IRON0498-005 06/01/2021

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and  
WALWORTH (S.W. 1/3) COUNTIES:

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 41.37 | 44.41   |

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IRON0512-008 06/03/2019

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,  
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU  
COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 37.60 | 29.40   |

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IRON0512-021 05/03/2021

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,  
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 35.09 | 31.80   |

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LAB00113-002 06/01/2021



## MILWAUKEE AND WAUKESHA COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 31.40 | 22.26   |
| Group 2..... | \$ 31.55 | 22.26   |
| Group 3..... | \$ 31.75 | 22.26   |
| Group 4..... | \$ 31.90 | 22.26   |
| Group 5..... | \$ 32.05 | 22.26   |
| Group 6..... | \$ 27.89 | 22.26   |

## LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

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LAB00113-003 06/01/2021

## OZAUKEE AND WASHINGTON COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 30.65 | 22.26   |
| Group 2..... | \$ 30.75 | 22.26   |
| Group 3..... | \$ 30.80 | 22.26   |
| Group 4..... | \$ 31.00 | 22.26   |
| Group 5..... | \$ 30.85 | 22.26   |
| Group 6..... | \$ 27.74 | 22.26   |

## LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter  
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

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LAB00113-011 06/01/2021

KENOSHA AND RACINE COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 30.46 | 22.26   |
| Group 2..... | \$ 30.61 | 22.26   |
| Group 3..... | \$ 30.81 | 22.26   |
| Group 4..... | \$ 30.78 | 22.26   |
| Group 5..... | \$ 31.11 | 22.26   |
| Group 6..... | \$ 27.60 | 22.26   |

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer;  
Demolition and Wrecking Laborer; Guard Rail, Fence, and  
Bridge Builder; Landscaper; Multiplate Culvert Assembler;  
Stone Handler; Bituminous Worker (Shoveler, Loader, and  
Utility Man); Batch Truck Dumper or Cement Handler;  
Bituminous worker (Dumper, Ironer, Smoother, and Tamper);  
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler  
(Pavement); Vibrator or Tamper Operator (Mechanical Hand  
Operated); Chain Saw Operator; Demolition Burning Torch  
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter  
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

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LAB00140-002 06/01/2020

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT,  
CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR,  
DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST,  
GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA,  
JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN,  
MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE,  
OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE,  
RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST.  
CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN,  
WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

Rates Fringes

LABORER

|              |          |       |
|--------------|----------|-------|
| Group 1..... | \$ 33.72 | 17.95 |
| Group 2..... | \$ 33.82 | 17.95 |
| Group 3..... | \$ 33.87 | 17.95 |
| Group 4..... | \$ 34.07 | 17.95 |
| Group 5..... | \$ 33.92 | 17.95 |
| Group 6..... | \$ 30.35 | 17.95 |

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

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LAB00464-003 06/01/2020

DANE COUNTY

|  | Rates | Fringes |
|--|-------|---------|
|--|-------|---------|

LABORER

|              |          |       |
|--------------|----------|-------|
| Group 1..... | \$ 34.00 | 17.95 |
| Group 2..... | \$ 34.10 | 17.95 |
| Group 3..... | \$ 34.15 | 17.95 |
| Group 4..... | \$ 34.35 | 17.95 |
| Group 5..... | \$ 34.20 | 17.95 |
| Group 6..... | \$ 30.35 | 17.95 |

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

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PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

|                             | Rates    | Fringes |
|-----------------------------|----------|---------|
| Painters:                   |          |         |
| New:                        |          |         |
| Brush, Roller.....          | \$ 30.33 | 17.27   |
| Spray, Sandblast, Steel.... | \$ 30.93 | 17.27   |
| Repaint:                    |          |         |
| Brush, Roller.....          | \$ 28.83 | 17.27   |
| Spray, Sandblast, Steel.... | \$ 29.43 | 17.27   |

-----  
PAIN0108-002 06/01/2021

RACINE COUNTY

|                        | Rates    | Fringes |
|------------------------|----------|---------|
| Painters:              |          |         |
| Brush, Roller.....     | \$ 36.08 | 20.36   |
| Spray & Sandblast..... | \$ 37.52 | 23.27   |

-----  
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 06/01/2021

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                        | Rates    | Fringes |
|------------------------|----------|---------|
| Painters:              |          |         |
| Bridge.....            | \$ 36.70 | 24.50   |
| Brush.....             | \$ 35.95 | 24.50   |
| Spray & Sandblast..... | \$ 36.70 | 24.50   |

-----  
PAIN0802-002 06/01/2021

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,

ROCK, AND SAUK COUNTIES

|            | Rates    | Fringes |
|------------|----------|---------|
| PAINTER    |          |         |
| Brush..... | \$ 29.98 | 18.78   |

PREMIUM PAY:

Structural Steel, Spray, Bridges = \$1.00 additional per hour.

-----  
PAIN0802-003 06/01/2021

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..... | \$ 29.98 | 18.78   |

-----  
PAIN0934-001 06/01/2021

KENOSHA AND WALWORTH COUNTIES

|                       | Rates    | Fringes |
|-----------------------|----------|---------|
| Painters:             |          |         |
| Brush.....            | \$ 36.52 | 23.27   |
| Spray.....            | \$ 37.52 | 23.27   |
| Structural Steel..... | \$ 36.67 | 23.27   |

-----  
PAIN1011-002 06/06/2021

FLORENCE COUNTY

|                | Rates    | Fringes |
|----------------|----------|---------|
| Painters:..... | \$ 26.71 | 14.38   |

-----  
PLAS0599-010 06/01/2017

|                                | Rates    | Fringes |
|--------------------------------|----------|---------|
| CEMENT MASON/CONCRETE FINISHER |          |         |
| Area 1.....                    | \$ 39.46 | 17.17   |
| Area 2 (BAC).....              | \$ 35.07 | 19.75   |
| Area 3.....                    | \$ 35.61 | 19.40   |
| Area 4.....                    | \$ 34.70 | 20.51   |
| Area 5.....                    | \$ 36.27 | 18.73   |
| Area 6.....                    | \$ 32.02 | 22.99   |

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE,

LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE,  
MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK,  
PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR,  
VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD  
COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA  
CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND  
VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK  
COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

-----  
TEAM0039-001 06/01/2021

|  | Rates    | Fringes |
|--|----------|---------|
| TRUCK DRIVER   |          |         |
| 1 & 2 Axles.....   | \$ 32.57 | 23.81   |
| 3 or more Axles; Euclids,<br>Dumpton & Articulated,<br>Truck Mechanic..... | \$ 32.72 | 23.81   |
| -----  |          |         |
| WELL DRILLER.....  | \$ 16.52 | 3.70    |
| -----  |          |         |

WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

=====

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

-----  
The body of each wage determination lists the classification

and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union, which prevailed in the survey for this classification, which in this example would be Plumbers 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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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 Division National Office Branch of Wage Surveys. 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: WI20220008 01/21/2022

Superseded General Decision Number: WI20210008

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).

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 \$15.00 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 2022.

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 \$11.25 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 2022.

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 [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

| Modification Number | Publication Date |
|---------------------|------------------|
| 0                   | 01/07/2022       |
| 1                   | 01/21/2022       |

BRWI0001-002 06/01/2020

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND VERNON COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.31 | 24.7 7  |
| -----           |          |         |

BRWI0002-002 06/01/2020

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 42.77 | 23.47   |
| -----                   |          |         |
| BRWI0002-005 06/01/2020 |          |         |

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA,  
CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC,  
FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE,  
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,  
OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK,  
SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA,  
WINNEBAGO, AND WOOD COUNTIES

|                                   | Rates    | Fringes |
|-----------------------------------|----------|---------|
| CEMENT MASON/CONCRETE FINISHER... | \$ 36.68 | 23.40   |
| -----                             |          |         |
| BRWI0003-002 06/01/2020           |          |         |

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 35.68 | 24.40   |
| -----                   |          |         |
| BRWI0004-002 06/01/2020 |          |         |

KENOSHA, RACINE, AND WALWORTH COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 39.90 | 25.53   |
| -----                   |          |         |
| BRWI0006-002 06/01/2020 |          |         |

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,  
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 36.60 | 23.48   |
| -----                   |          |         |
| BRWI0007-002 06/01/2020 |          |         |

GREEN, LAFAYETTE, AND ROCK COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 37.07 | 24.72   |
| -----                   |          |         |
| BRWI0008-002 06/01/2020 |          |         |

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 40.75 | 24.32   |
| -----           |          |         |

BRWI0009-001 06/01/2020

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,  
AND WINNEBAGO COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.68 | 24.40   |

-----  
BRWI0011-002 06/01/2020

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.68 | 24.40   |

-----  
BRWI0013-002 06/03/2019

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.56 | 24.23   |

-----  
BRWI0019-002 06/01/2020

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,  
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 34.86 | 25.22   |

-----  
BRWI0021-002 06/01/2020

DODGE AND JEFFERSON COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 36.80 | 24.97   |

-----  
BRWI0034-002 06/01/2020

COLUMBIA AND SAUK COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 37.36 | 24.43   |

-----  
CARP0087-001 05/01/2016

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys  
35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

|                                | Rates    | Fringes |
|--------------------------------|----------|---------|
| Carpenter & Piledrivermen..... | \$ 36.85 | 18.39   |

-----  
CARP0252-002 06/01/2016

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO,

BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except area bordering Michigan State Line), FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON, JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E. of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| CARPENTER               |          |         |
| CARPENTER.....          | \$ 33.56 | 18.00   |
| MILLWRIGHT.....         | \$ 35.08 | 18.35   |
| PILEDRIIVER.....        | \$ 34.12 | 18.00   |
| -----                   |          |         |
| CARP0252-010 06/01/2016 |          |         |

ASHLAND COUNTY

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| Carpenters              |          |         |
| Carpenter.....          | \$ 33.56 | 18.00   |
| Millwright.....         | \$ 35.08 | 18.35   |
| Pile Driver.....        | \$ 34.12 | 18.00   |
| -----                   |          |         |
| CARP0264-003 06/01/2016 |          |         |

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| CARPENTER.....          | \$ 35.78 | 22.11   |
| -----                   |          |         |
| CARP0361-004 05/01/2018 |          |         |

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| CARPENTER.....          | \$ 36.15 | 20.43   |
| -----                   |          |         |
| CARP2337-001 06/01/2016 |          |         |

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| PILEDRIIVERMAN          |          |         |
| Zone A.....             | \$ 31.03 | 22.69   |
| Zone B.....             | \$ 31.03 | 22.69   |
| -----                   |          |         |
| CARP2337-003 06/01/2019 |          |         |

|             | Rates    | Fringes |
|-------------|----------|---------|
| MILLWRIGHT  |          |         |
| Zone A..... | \$ 33.58 | 21.53   |
| Zone B..... | \$ 33.58 | 21.53   |

#### ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

-----  
\* ELEC0014-002 12/26/2021

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:..... | \$ 37.83 | 21.89   |

-----  
ELEC0127-002 06/01/2020

#### KENOSHA COUNTY

|                    | Rates    | Fringes   |
|--------------------|----------|-----------|
| Electricians:..... | \$ 41.62 | 30%+12.70 |

-----  
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<br>\$180,000.....  | \$ 33.94 | 21.80   |
| Electrical contracts under<br>\$180,000..... | \$ 31.75 | 21.73   |

-----  
\* ELEC0242-005 05/30/2021

DOUGLAS COUNTY

|                    | Rates    | Fringes |
|--------------------|----------|---------|
| Electricians:..... | \$ 41.37 | 69.25%  |

-----  
ELEC0388-002 06/01/2020

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

|                    | Rates    | Fringes   |
|--------------------|----------|-----------|
| Electricians:..... | \$ 34.85 | 26%+11.20 |

-----  
ELEC0430-002 06/01/2021

RACINE COUNTY (Except Burlington Township)

|                    | Rates    | Fringes |
|--------------------|----------|---------|
| Electricians:..... | \$ 43.45 | 24.89   |

-----  
ELEC0494-005 06/01/2021

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                    | Rates    | Fringes |
|--------------------|----------|---------|
| Electricians:..... | \$ 44.39 | 25.67   |

-----  
ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

|                    | Rates    | Fringes |
|--------------------|----------|---------|
| Electricians:..... | \$ 37.91 | 22.74   |

-----  
ELEC0577-003 06/01/2021

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:.....      | \$ 35.66 | 29.50%+10.00 |
| -----                   |          |              |
| ELEC0890-003 06/01/2021 |          |              |

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

|                         | Rates    | Fringes      |
|-------------------------|----------|--------------|
| Electricians:.....      | \$ 39.00 | 25.95%+11.17 |
| -----                   |          |              |
| ENGI0139-003 06/01/2020 |          |              |

#### REMAINING COUNTIES

|                          | Rates    | Fringes |
|--------------------------|----------|---------|
| Power Equipment Operator |          |         |
| Group 1.....             | \$ 42.92 | 23.15   |
| Group 2.....             | \$ 41.67 | 23.15   |
| Group 3.....             | \$ 39.97 | 23.15   |
| Group 4.....             | \$ 39.44 | 23.15   |
| Group 5.....             | \$ 37.37 | 23.15   |
| Group 6.....             | \$ 35.84 | 23.15   |

#### HAZARDOUS WASTE PREMIUMS:

EPA Level "A" Protection: \$3.00 per hour  
EPA Level "B" Protection: \$2.00 per hour  
EPA Level "C" Protection: \$1.00 per hour

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of over 100 tons; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,00 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion

Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweepers; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without attachments; Power Pack Vibratory/Ultra Sound Driver and Extractor; Fireman (Asphalt Plants); Screed Operator; Stone Crushers and Screening Plants; Air, Electric, Hydraulic Jacks (Slip Form); Prestress Machines; Air Compressor, 400 CFM or over; Refrigeration Plant/Freeze Machine; Boiler Operators (temporary heat); Forklifts; Welding Machines; Generators; Pumps over 3"; Heaters, Mechanical; Combination small equipment operator; Winches, small electric; Oiler; Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

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 ENGI0139-007 06/01/2020

DODGE, FOND DU LAC, JEFFERSON, KENOSHA, MILWAUKEE, OZAUKEE, RACINE, SHEBOYGAN, WALWORTH, WASHINGTON, AND WAUKESHA COUNTIES

|                          | Rates    | Fringes |
|--------------------------|----------|---------|
| Power Equipment Operator |          |         |
| Group 1.....             | \$ 41.64 | 23.25   |
| Group 2.....             | \$ 40.86 | 23.25   |
| Group 3.....             | \$ 39.91 | 23.25   |
| Group 4.....             | \$ 38.86 | 23.25   |
| Group 5.....             | \$ 37.46 | 23.25   |

HAZARDOUS WASTE PREMIUMS:  
 EPA Level "A" Protection: \$3.00 per hour  
 EPA Level "B" Protection: \$2.00 per hour  
 EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, and Derricks with or without attachments, with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Backhoes (Excavators) 130,000 lbs and over; Caisson Rigs and Pile Drivers



GROUP 2: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or under; or Cranes, Tower Cranes, and Derricks with boom, lead, and\or jib lengths measuring 175 feet or under; Backhoes (Excavators) under 130,000 lbs; Skid Rigs; Dredge Operator: Traveling Crane (Bridge type); Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Pumps and Boring Machines (directional)

GROUP 3: Material Hoists; Stack Hoists; Tractor or Truck mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane, 5 tons or under; Manhoist; Tractor over 40 hp; Bulldozer over 40 hp; Endloader over 40 hp; Forklift, 25 ft and over; Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Mechanic and Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Percussion Drill Operator; Rotary Drill Operator; Blaster; Air Track Drill; Trencher (wheel type or chain type having over 8 inch bucket); Elevator; Milling Machine and Boring Machine (horizontal or vertical); Backhoe Mounted Compactor

GROUP 4: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machine (road type); Roller, Rubber Tire; Concrete Batch Hopper; Concrete Conveyor System; Concrete Mixers (14S or over); Screw type Pumps and Gypsum Pumps; Grout Pumps; Tractor, Bulldozer, End Loader, under 40 hp; Pumps (well points); Trencher (chain type 8 inch or smaller bucket; Industrial Locomotives; Roller under 5 tons; Fireman (Piledrivers and Derricks); Robotic Tool Carrier with or without attachments.

GROUP 5: Hoists (Automatic); Forklift, 12 ft to 25 ft; Tamper-Compactors, riding type; A-Frame andWinch 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).

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IRON0008-002 06/01/2021

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 38.77 | 28.15   |

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

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IRON0008-003 06/01/2021

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),  
WASHINGTON, AND WAUKESHA COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 40.57 | 28.40   |

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor  
Day, Thanksgiving Day & Christmas Day.

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IRON0383-001 06/06/2021

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST,  
GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA,  
JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON,  
MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern  
area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA,  
WAUSHARA, AND WOOD COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 37.75 | 27.06   |

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IRON0498-005 06/01/2021

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and  
WALWORTH (S.W. 1/3) COUNTIES:

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 41.37 | 44.41   |

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IRON0512-008 06/03/2019

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,  
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU  
COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 37.60 | 29.40   |

-----  
IRON0512-021 05/03/2021

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,  
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 35.09 | 31.80   |

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LAB00113-004 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                      | Rates    | Fringes |
|----------------------|----------|---------|
| Laborers: (Open Cut) |          |         |
| Group 1.....         | \$ 16.38 | 21.08   |
| Group 2.....         | \$ 18.65 | 21.08   |
| Group 3.....         | \$ 22.19 | 21.08   |
| Group 4.....         | \$ 31.56 | 21.08   |
| Group 5.....         | \$ 31.70 | 21.08   |
| Group 6.....         | \$ 31.76 | 21.08   |
| Group 7.....         | \$ 34.77 | 21.08   |
| Group 8.....         | \$ 37.59 | 21.08   |
| Group 9.....         | \$ 38.23 | 21.08   |

#### LABORERS CLASSIFICATIONS [OPEN CUT]

GROUP 1: Yard Laborer

GROUP 2: Landscaper

GROUP 3: Flag Person

GROUP 4: Paving Laborer

GROUP 5: General Laborer on Surface; Top Man

GROUP 6: Mud Mixer

GROUP 7: Mucker; Form Stripper; Bottom Digger and Misc;  
Bottom Man and Welder on Surface

GROUP 8: Concrete Manhole Builder; Caisson Worker; Miner;  
Pipe Layer; Rock Driller and Joint Man; Timber Man and  
Concrete Brusher; Bracer in Trench Behind Machine & Tight  
Sheeting; Concrete Formsetter and Shoveler; Jackhammer  
Operator

GROUP 9: Blaster

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LAB00113-005 06/01/2020

SEWER, TUNNEL & UNDERGROUND

KENOSHA AND RACINE COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| Laborers:    |          |         |
| Group 1..... | \$ 23.05 | 21.08   |
| Group 2..... | \$ 28.98 | 21.08   |
| Group 3..... | \$ 32.34 | 21.08   |
| Group 4..... | \$ 34.11 | 21.08   |

TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00, 15-30  
lbs add \$2.00, over 30 lbs add \$3.00

#### LABORERS CLASSIFICATIONS

GROUP 1: Flagperson

GROUP 2: Top Man, General Laborer, Wellpoint Installation,  
Wire Mesh and Reinforcement, Concrete Worker, Form  
Stripper, Strike-off Work

GROUP 3: Machine and Equipment Operator, Sheeting, Form Setting, Patch Finisher, Bottom Man, Joint Sawyer, Gunnite Man, Manhole Builder, Welder-Torchman, Blaster, Caulker, Bracer, Bull Float, Conduit Worker, Mucker and Car Pusher, Raker and Luteman, Hydraulic Jacking of Shields, Shield Drivers, Mining Machine, Lock Tenders, Mucking Machine Operator, Motor Men & Gauge Tenders and operation of incidental Mechanical Equipment and all Power Driven Tools

GROUP 4: Pipelayer, Miner and Laser Operator

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LAB00113-008 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

|                             | Rates    | Fringes |
|-----------------------------|----------|---------|
| Laborers: (Tunnel-Free Air) |          |         |
| Group 1.....                | \$ 22.19 | 21.08   |
| Group 2.....                | \$ 31.70 | 21.08   |
| Group 3.....                | \$ 31.76 | 21.08   |
| Group 4.....                | \$ 34.77 | 21.08   |
| Group 5.....                | \$ 34.91 | 21.08   |
| Group 6.....                | \$ 37.59 | 21.08   |
| Group 7.....                | \$ 38.23 | 21.08   |

LABORERS CLASSIFICATIONS [TUNNEL - FREE AIR]:

GROUP 1: Flagperson

GROUP 2: General Laborer on surface; Tower Man

GROUP 3: Saw Man; Top Man

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey; Welder (rate on surface)

GROUP 6: Concrete Manhole Builder; Mucking Machine; Miner; Mining Machine; Welder; Rock Driller; Concrete Buster; Jack Hammer Operator; Caisson Worker; Pipelayer and Joint Man; Bracerman

GROUP 7: Blaster

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\* LAB00113-009 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

|                              | Rates    | Fringes |
|------------------------------|----------|---------|
| Laborers: (Tunnel -          |          |         |
| *COMPRESSED AIR 0 - 15 lbs.) |          |         |
| Group 1.....                 | \$ 22.19 | 21.08   |
| Group 2.....                 | \$ 31.70 | 21.08   |
| Group 3.....                 | \$ 35.31 | 21.08   |
| Group 4.....                 | \$ 36.11 | 21.08   |
| Group 5.....                 | \$ 36.23 | 21.08   |
| Group 6.....                 | \$ 38.93 | 21.08   |
| Group 7.....                 | \$ 39.55 | 21.08   |

LABORERS CLASSIFICATIONS [TUNNEL - COMPRESSED AIR]:

\*Compressed Air 15 - 30 lbs add \$2.00 to all classifications  
\*Compressed Air over 30 lbs add \$3.00 to all classifications

GROUP 1: Flagperson

GROUP 2: General Laborer on surface

GROUP 3: Lock Tender on surface

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey

GROUP 6: Mucking Machine; Miner; Mining Machine; Welder &  
Rock Driller; Lock Tender in tunnel; Concrete Buster; Jack  
Hammer Operator; Caisson Worker; 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.

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LAB00140-005 06/01/2020

ADAMS, ASHLAND, BARRON, BROWN, BUFFALO, CALUMET, CHIPPEWA,  
CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DUNN, EAU CLAIRE,  
FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA,  
JACKSON, JEFFERSON, JUNEAU, LACROSSE, LAFAYETTE, LANGLADE,  
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,  
MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK,  
PORTAGE, PRICE, RICHLAND, ROCK, RUSK, ST CROIX, SAUK, SAWYER,  
SHAWANO, SHEBOYGAN, TAYLOR, TREMPPEALEAU, VERNON, VILAS,  
WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD  
COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| LABORER (SEWER & WATER) |          |         |
| Group 1.....            | \$ 29.33 | 17.88   |
| Group 2.....            | \$ 31.18 | 17.88   |
| Group 3.....            | \$ 31.48 | 17.88   |
| Group 4.....            | \$ 32.13 | 17.88   |

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00,  
15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORER CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer, Wellpoint Installation; Form  
Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man;  
Joint Sawyer; Gunnite Man; Manhole Builder; Welder;  
Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and  
Car Pusher; Raker and Luteman; Hydraulic jacking of  
shields, Shield Drivers; Mining Machine; Lock Tenders;  
Mucking Machine Operators; Motor Men and Gauge Tenders;  
Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

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LAB00464-002 06/01/2020

DANE AND DOUGLAS COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 29.23 | 17.88   |
| Group 2..... | \$ 31.43 | 17.88   |
| Group 3..... | \$ 31.63 | 17.88   |
| Group 4..... | \$ 32.38 | 17.88   |

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0 - 15 lbs add  
\$1.00, 15- 30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer; Wellpoint Installation; Concrete  
Worker; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man;  
Joint Sawyer; Gunnite Man; Manhole Builder; Welder;  
Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and  
Car Pusher; Raker and Luteman; Hydraulic jacking of  
shields, Shield Drivers; Mining Machine; Lock Tenders;  
Mucking Machine Operators; Motor Men and Gauge Tenders;  
Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

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LAB01091-010 06/01/2020

BAYFIELD, BURNETT, IRON, SAWYER, AND WASHBURN COUNTIES

|                           | Rates    | Fringes |
|---------------------------|----------|---------|
| Laborers: (SEWER & WATER) |          |         |
| Group 1.....              | \$ 29.02 | 17.88   |
| Group 2.....              | \$ 31.08 | 17.88   |
| Group 3.....              | \$ 31.28 | 17.88   |
| Group 4.....              | \$ 32.03 | 17.88   |

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR:  
0 - 15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add  
\$3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: Laborers, Wellpoint Installation; Form Stripper;  
Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man;  
Joint Sawyer; Gunnite Man; Manhole Builder; Welder;  
Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and  
Car Pusher; Raker and Luteman; Hydraulic jacking of

shields, Shield Drivers; Mining Machine; Lock Tenders;  
Mucking Machine Operators; Motor Men and Gauge Tenders;  
Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

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PLAS0599-010 06/01/2017

|                                | Rates    | Fringes |
|--------------------------------|----------|---------|
| CEMENT MASON/CONCRETE FINISHER |          |         |
| Area 1.....                    | \$ 39.46 | 17.17   |
| Area 2 (BAC).....              | \$ 35.07 | 19.75   |
| Area 3.....                    | \$ 35.61 | 19.40   |
| Area 4.....                    | \$ 34.70 | 20.51   |
| Area 5.....                    | \$ 36.27 | 18.73   |
| Area 6.....                    | \$ 32.02 | 22.99   |

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN  
COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET,  
CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE,  
FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE,  
LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE,  
MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK,  
PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR,  
VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD  
COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA  
CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPEREAU, AND  
VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK  
COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

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TEAM0039-001 06/01/2021

|  | Rates    | Fringes |
|--|----------|---------|
| TRUCK DRIVER   |          |         |
| 1 & 2 Axles.....   | \$ 32.57 | 23.81   |
| 3 or more Axles; Euclids,<br>Dumpton & Articulated,<br>Truck Mechanic..... | \$ 32.72 | 23.81   |
| -----  |          |         |
| WELL DRILLER.....  | \$ 16.52 | 3.70    |
| -----  |          |         |

WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave

for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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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.

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#### 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 Division National Office Branch of Wage Surveys. 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: WI20220015 01/21/2022

Superseded General Decision Number: WI20210015

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)(2)-(60).

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 \$15.00 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 2022.

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 \$11.25 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 2022.

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 [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

| Modification Number | Publication Date |
|---------------------|------------------|
| 0                   | 01/07/2022       |
| 1                   | 01/21/2022       |

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   |

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BRWI0001-002 06/01/2020

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND  
VERNON COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 35.31 | 24.7 7  |
| -----                   |          |         |
| BRWI0002-002 06/01/2020 |          |         |

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 42.77 | 23.47   |
| -----                   |          |         |
| BRWI0002-005 06/01/2020 |          |         |

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA,  
CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC,  
FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE,  
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,  
OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK,  
SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA,  
WINNEBAGO, AND WOOD COUNTIES

|                                   | Rates    | Fringes |
|-----------------------------------|----------|---------|
| CEMENT MASON/CONCRETE FINISHER... | \$ 36.68 | 23.40   |
| -----                             |          |         |
| BRWI0003-002 06/01/2020           |          |         |

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 35.68 | 24.40   |
| -----                   |          |         |
| BRWI0004-002 06/01/2020 |          |         |

KENOSHA, RACINE, AND WALWORTH COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 39.90 | 25.53   |
| -----                   |          |         |
| BRWI0006-002 06/01/2020 |          |         |

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,  
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| BRICKLAYER.....         | \$ 36.60 | 23.48   |
| -----                   |          |         |
| BRWI0007-002 06/01/2020 |          |         |

GREEN, LAFAYETTE, AND ROCK COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 37.07 | 24.72   |

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BRWI0008-002 06/01/2020

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 40.75 | 24.32   |

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BRWI0009-001 06/01/2020

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,  
AND WINNEBAGO COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.68 | 24.40   |

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BRWI0011-002 06/01/2020

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.68 | 24.40   |

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BRWI0013-002 06/03/2019

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 35.56 | 24.23   |

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BRWI0019-002 06/01/2020

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,  
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 34.86 | 25.22   |

-----

BRWI0021-002 06/01/2020

DODGE AND JEFFERSON COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 36.80 | 24.97   |

-----

BRWI0034-002 06/01/2020

COLUMBIA AND SAUK COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 37.36 | 24.43   |

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CARP0087-001 05/01/2016

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys  
35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

|                                | Rates    | Fringes |
|--------------------------------|----------|---------|
| Carpenter & Piledrivermen..... | \$ 36.85 | 18.39   |
| -----                          |          |         |
| CARP0252-002 06/01/2016        |          |         |

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO, BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except area bordering Michigan State Line), FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON, JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E. of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| CARPENTER               |          |         |
| CARPENTER.....          | \$ 33.56 | 18.00   |
| MILLWRIGHT.....         | \$ 35.08 | 18.35   |
| PILEDRIIVER.....        | \$ 34.12 | 18.00   |
| -----                   |          |         |
| CARP0252-010 06/01/2016 |          |         |

#### ASHLAND COUNTY

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| Carpenters              |          |         |
| Carpenter.....          | \$ 33.56 | 18.00   |
| Millwright.....         | \$ 35.08 | 18.35   |
| Pile Driver.....        | \$ 34.12 | 18.00   |
| -----                   |          |         |
| CARP0264-003 06/01/2016 |          |         |

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| CARPENTER.....          | \$ 35.78 | 22.11   |
| -----                   |          |         |
| CARP0361-004 05/01/2018 |          |         |

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| CARPENTER.....          | \$ 36.15 | 20.43   |
| -----                   |          |         |
| CARP2337-001 06/01/2016 |          |         |

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

|               | Rates    | Fringes |
|---------------|----------|---------|
| PILEDRIVERMAN |          |         |
| Zone A.....   | \$ 31.03 | 22.69   |
| Zone B.....   | \$ 31.03 | 22.69   |

-----  
 CARP2337-003 06/01/2019

|             | Rates    | Fringes |
|-------------|----------|---------|
| MILLWRIGHT  |          |         |
| Zone A..... | \$ 33.58 | 21.53   |
| Zone B..... | \$ 33.58 | 21.53   |

#### ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

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 \* ELEC0014-002 12/26/2021

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:..... | \$ 37.83 | 21.89   |

-----  
 ELEC0014-007 05/30/2021

#### REMAINING COUNTIES

|                           | Rates    | Fringes |
|---------------------------|----------|---------|
| Teledata System Installer |          |         |
| Installer/Technician..... | \$ 28.50 | 15.92   |

Low voltage construction, installation, maintenance and  
 removal of teledata facilities (voice, data, and video)  
 including outside plant, telephone and data inside wire,  
 interconnect, terminal equipment, central offices, PABX,  
 fiber optic cable and equipment, micro waves, V-SAT,  
 bypass, CATV, WAN (wide area networks), LAN (local area  
 networks), and ISDN (integrated systems digital network).

-----  
 ELEC0127-002 06/01/2020

#### KENOSHA COUNTY

|                    | Rates    | Fringes   |
|--------------------|----------|-----------|
| Electricians:..... | \$ 41.62 | 30%+12.70 |

-----  
 ELEC0158-002 05/30/2021

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig),

MARINETTE(Wausuakee and area South thereof), OCONTO, MENOMINEE  
(East of a line 6 miles West of the West boundary of Oconto  
County), SHAWANO (Except Area North of Townships of Aniwa and  
Hutchins) COUNTIES

|                         | Rates    | Fringes      |
|-------------------------|----------|--------------|
| ELECTRICIAN.....        | \$ 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<br>\$180,000.....  | \$ 33.94 | 21.80   |
| Electrical contracts under<br>\$180,000..... | \$ 31.75 | 21.73   |
| -----  |          |         |
| * ELEC0242-005 05/30/2021                    |          |         |

DOUGLAS COUNTY

|                         | Rates    | Fringes |
|-------------------------|----------|---------|
| Electricians:.....      | \$ 41.37 | 69.25%  |
| -----                   |          |         |
| ELEC0388-002 06/01/2020 |          |         |

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman,  
Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON,  
MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area  
West of a line 6 miles West of the West boundary of Oconto  
County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS  
AND WOOD COUNTIES

|                         | Rates    | Fringes   |
|-------------------------|----------|-----------|
| Electricians:.....      | \$ 34.85 | 26%+11.20 |
| -----                   |          |           |
| ELEC0430-002 06/01/2021 |          |           |

RACINE COUNTY (Except Burlington Township)

| Rates | Fringes |
|-------|---------|
|-------|---------|



Electricians:.....\$ 43.45 24.89  
-----

ELEC0494-005 06/01/2021

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

Electricians:.....\$ 44.39 25.67  
-----

ELEC0494-006 06/01/2021

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

Rates Fringes

Electricians:.....\$ 37.91 22.74  
-----

ELEC0494-013 06/01/2021

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupuin), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

Sound & Communications

Installer.....\$ 22.39 18.80  
Technician.....\$ 32.49 20.26

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

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ELEC0577-003 06/01/2021

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:.....\$ 35.66 29.50%+10.00

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ELEC0890-003 06/01/2021

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,  
RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

|  | Rates | Fringes |
|--|-------|---------|
|--|-------|---------|

|                    |          |              |
|--------------------|----------|--------------|
| Electricians:..... | \$ 39.00 | 25.95%+11.17 |
|--------------------|----------|--------------|

-----  
ELEC0953-001 06/02/2019

|  | Rates | Fringes |
|--|-------|---------|
|--|-------|---------|

Line Construction:

|                                      |          |       |
|--------------------------------------|----------|-------|
| (1) Lineman.....                     | \$ 47.53 | 21.43 |
| (2) Heavy Equipment<br>Operator..... | \$ 42.78 | 19.80 |
| (3) Equipment Operator.....          | \$ 38.02 | 18.40 |
| (4) Heavy Groundman Driver..         | \$ 33.27 | 16.88 |
| (5) Light Groundman Driver..         | \$ 30.89 | 16.11 |
| (6) Groundsman.....                  | \$ 26.14 | 14.60 |

-----  
ENGI0139-001 06/01/2020

KENOSHA, MILWAUKEE, OZAUCKEE, RACINE, WASHINGTON, AND WAUKESHA  
COUNTIES

|  | Rates | Fringes |
|--|-------|---------|
|--|-------|---------|

Power Equipment Operator

|              |          |       |
|--------------|----------|-------|
| Group 1..... | \$ 47.66 | 23.15 |
| Group 2..... | \$ 47.16 | 23.15 |
| Group 3..... | \$ 46.66 | 23.15 |
| Group 4..... | \$ 45.97 | 23.15 |
| Group 5..... | \$ 42.39 | 23.15 |
| Group 6..... | \$ 37.24 | 23.15 |

HAZARDOUS WASTE PREMIUMS:

EPA Level "A" Protection: \$3.00 per hour

EPA Level "B" Protection: \$2.00 per hour

EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, Pedestal Tower Cranes and  
Derricks with or w/o attachments with a lifting capacity of  
over 100 tons; or Cranes, Tower Cranes, Pedestal Tower  
Cranes and Derricks with boom, leads, and/or jib lengths  
measuring 176 feet or longer; Self-Erecting Tower Cranes  
over 4000 lbs lifting capacity; All Cranes with Boom  
Dollies; Boring Machines (directional); Master Mechanic.  
\$0.50 additional per hour per 100 tons or 100 ft of boom  
over 200 ft or lifting capacity of crane over 200 tons to a  
maximum of 300 tons or 300 ft. Thereafter an increase of  
\$0.01 per ft or ton, whichever is greater.

GROUP 2: Cranes, Tower Cranes, Pedestal Tower Cranes and  
Derricks with or without attachments with a lifting  
capacity of 100 tons or less; or Cranes, Tower Cranes  
Portable Tower Cranes, Pedestal Tower Cranes and Derricks

with boom, leadsand/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

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ENGI0139-003 06/01/2020

REMAINING COUNTIES

|  | Rates | Fringes |
|--|-------|---------|
|--|-------|---------|

|                          |  |  |
|--------------------------|--|--|
| Power Equipment Operator |  |  |
|--------------------------|--|--|

|              |          |       |
|--------------|----------|-------|
| Group 1..... | \$ 42.92 | 23.15 |
| Group 2..... | \$ 41.67 | 23.15 |
| Group 3..... | \$ 39.97 | 23.15 |
| Group 4..... | \$ 39.44 | 23.15 |
| Group 5..... | \$ 37.37 | 23.15 |
| Group 6..... | \$ 35.84 | 23.15 |

#### HAZARDOUS WASTE PREMIUMS:

EPA Level ""A"" Protection: \$3.00 per hour

EPA Level ""B"" Protection: \$2.00 per hour

EPA Level ""C"" Protection: \$1.00 per hour

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of over 100 tons; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,00 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweepers; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without

attachments; Power Pack Vibratory/Ultra Sound Driver and  
Extractor; Fireman (Asphalt Plants); Screed Operator; Stone  
Crushers and Screening Plants; Air, Electric, Hydraulic  
Jacks (Slip Form); Prestress Machines; Air Compressor, 400  
CFM or over; Refrigeration Plant/Freeze Machine; Boiler  
Operators (temporary heat); Forklifts; Welding Machines;  
Generators; Pumps over 3"; Heaters, Mechanical; Combination  
small equipment operator; Winches, small electric; Oiler;  
Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

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IRON0008-002 06/01/2021

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC,  
MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO  
COUNTIES:

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 38.77 | 28.15   |

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor  
Day, Thanksgiving Day & Christmas Day.

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IRON0008-003 06/01/2021

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),  
WASHINGTON, AND WAUKESHA COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 40.57 | 28.40   |

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor  
Day, Thanksgiving Day & Christmas Day.

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IRON0383-001 06/06/2021

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST,  
GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA,  
JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON,  
MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern  
area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA,  
WAUSHARA, AND WOOD COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 37.75 | 27.06   |

-----  
IRON0512-008 06/03/2019

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,  
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU  
COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 37.60 | 29.40   |

-----

IRON0512-021 05/03/2021

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,  
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

|                 | Rates    | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 35.09 | 31.80   |

-----  
LAB00113-002 06/01/2021

MILWAUKEE AND WAUKESHA COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 31.40 | 22.26   |
| Group 2..... | \$ 31.55 | 22.26   |
| Group 3..... | \$ 31.75 | 22.26   |
| Group 4..... | \$ 31.90 | 22.26   |
| Group 5..... | \$ 32.05 | 22.26   |
| Group 6..... | \$ 27.89 | 22.26   |

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;  
Demolition and Wrecking Laborer; Guard Rail, Fence, and  
Bridge Builder; Landscaper; Multiplate Culvert Assembler;  
Stone Handler; Bituminous Worker (Shoveler, Loader, and  
Utility Man); Batch Truck Dumper or Cement Handler;  
Bituminous Worker (Dumper, Ironer, Smoother, and Tamper);  
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler  
(Pavement); Vibrator or Tamper Operator (Mechanical Hand  
Operated); Chain Saw Operator; Demolition Burning Torch  
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter  
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

-----  
LAB00113-003 06/01/2021

OZAUKEE AND WASHINGTON COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 30.65 | 22.26   |
| Group 2..... | \$ 30.75 | 22.26   |
| Group 3..... | \$ 30.80 | 22.26   |
| Group 4..... | \$ 31.00 | 22.26   |
| Group 5..... | \$ 30.85 | 22.26   |
| Group 6..... | \$ 27.74 | 22.26   |

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

-----  
LAB00113-011 06/01/2021

KENOSHA AND RACINE COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 30.46 | 22.26   |
| Group 2..... | \$ 30.61 | 22.26   |
| Group 3..... | \$ 30.81 | 22.26   |
| Group 4..... | \$ 30.78 | 22.26   |
| Group 5..... | \$ 31.11 | 22.26   |
| Group 6..... | \$ 27.60 | 22.26   |

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

-----  
LAB00140-002 06/01/2020

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR,

DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST,  
 GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA,  
 JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN,  
 MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE,  
 OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE,  
 RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST.  
 CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN,  
 WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 33.72 | 17.95   |
| Group 2..... | \$ 33.82 | 17.95   |
| Group 3..... | \$ 33.87 | 17.95   |
| Group 4..... | \$ 34.07 | 17.95   |
| Group 5..... | \$ 33.92 | 17.95   |
| Group 6..... | \$ 30.35 | 17.95   |

#### LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;  
 Demolition and Wrecking Laborer; Guard Rail, Fence, and  
 Bridge Builder; Landscaper; Multiplate Culvert Assembler;  
 Stone Handler; Bituminous Worker (Shoveler, Loader, and  
 Utility Man); Batch Truck Dumper or Cement Handler;  
 Bituminous Worker (Dumper, Ironer, Smoother and Tamper);  
 Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler  
 (Pavement); Vibrator or Tamper Operator (Mechanical Hand  
 Operated); Chain Saw Operator, Demolition Burning Torch  
 Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter  
 (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

-----  
 LAB00464-003 06/01/2020

#### DANE COUNTY

|              | Rates    | Fringes |
|--------------|----------|---------|
| LABORER      |          |         |
| Group 1..... | \$ 34.00 | 17.95   |
| Group 2..... | \$ 34.10 | 17.95   |
| Group 3..... | \$ 34.15 | 17.95   |
| Group 4..... | \$ 34.35 | 17.95   |
| Group 5..... | \$ 34.20 | 17.95   |
| Group 6..... | \$ 30.35 | 17.95   |

#### LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;  
 Demolition and Wrecking Laborer; Guard Rail, Fence, and  
 Bridge Builder; Landscaper; Multiplate Culvert Assembler;  
 Stone Handler; Bituminous Worker (Shoveler, Loader, and



Utility Man); Batch Truck Dumper or Cement Handler;  
Bituminous Worker (Dumper, Ironer, Smoother, and Tamper);  
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler  
(Pavement); Vibrator or Tamper Operator (Mechanical Hand  
Operated); Chain Saw Operator; Demolition Burning Torch  
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter  
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

-----  
PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

|                             | Rates    | Fringes |
|-----------------------------|----------|---------|
| Painters:                   |          |         |
| New:                        |          |         |
| Brush, Roller.....          | \$ 30.33 | 17.27   |
| Spray, Sandblast, Steel.... | \$ 30.93 | 17.27   |
| Repaint:                    |          |         |
| Brush, Roller.....          | \$ 28.83 | 17.27   |
| Spray, Sandblast, Steel.... | \$ 29.43 | 17.27   |

-----  
PAIN0108-002 06/01/2021

RACINE COUNTY

|                        | Rates    | Fringes |
|------------------------|----------|---------|
| Painters:              |          |         |
| Brush, Roller.....     | \$ 36.08 | 20.36   |
| Spray & Sandblast..... | \$ 37.52 | 23.27   |

-----  
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 06/01/2021

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|                        | Rates    | Fringes |
|------------------------|----------|---------|
| Painters:              |          |         |
| Bridge.....            | \$ 36.70 | 24.50   |
| Brush.....             | \$ 35.95 | 24.50   |
| Spray & Sandblast..... | \$ 36.70 | 24.50   |

-----  
PAIN0802-002 06/01/2021

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,  
ROCK, AND SAUK COUNTIES

|            | Rates    | Fringes |
|------------|----------|---------|
| PAINTER    |          |         |
| Brush..... | \$ 29.98 | 18.78   |

PREMIUM PAY:  
Structural Steel, Spray, Bridges = \$1.00 additional per  
hour.

-----  
PAIN0802-003 06/01/2021

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..... | \$ 29.98 | 18.78   |

-----  
PAIN0934-001 06/01/2021

KENOSHA AND WALWORTH COUNTIES

|                       | Rates    | Fringes |
|-----------------------|----------|---------|
| Painters:             |          |         |
| Brush.....            | \$ 36.52 | 23.27   |
| Spray.....            | \$ 37.52 | 23.27   |
| Structural Steel..... | \$ 36.67 | 23.27   |

-----  
PAIN1011-002 06/06/2021

FLORENCE COUNTY

|                | Rates    | Fringes |
|----------------|----------|---------|
| Painters:..... | \$ 26.71 | 14.38   |

-----  
PLAS0599-010 06/01/2017

|                                | Rates    | Fringes |
|--------------------------------|----------|---------|
| CEMENT MASON/CONCRETE FINISHER |          |         |
| Area 1.....                    | \$ 39.46 | 17.17   |
| Area 2 (BAC).....              | \$ 35.07 | 19.75   |
| Area 3.....                    | \$ 35.61 | 19.40   |

|             |          |       |
|-------------|----------|-------|
| Area 4..... | \$ 34.70 | 20.51 |
| Area 5..... | \$ 36.27 | 18.73 |
| Area 6..... | \$ 32.02 | 22.99 |

#### AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

-----  
PLUM0011-003 05/07/2018

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, SAWYER, AND WASHBURN COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| PLUMBER..... | \$ 40.63 | 20.72   |

-----  
PLUM0075-002 06/01/2016

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| PLUMBER..... | \$ 40.27 | 21.47   |

-----  
PLUM0075-004 06/01/2016

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, AND ROCK COUNTIES

|              | Rates    | Fringes |
|--------------|----------|---------|
| PLUMBER..... | \$ 40.52 | 21.47   |

-----  
PLUM0075-009 06/01/2016

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

|  | Rates | Fringes |
|--|-------|---------|
|--|-------|---------|

|              |          |       |
|--------------|----------|-------|
| PLUMBER..... | \$ 38.82 | 20.12 |
|--------------|----------|-------|

-----  
PLUM0111-007 05/28/2018

MARINETTE COUNTY (Niagara only)

|                         |          |         |
|-------------------------|----------|---------|
|                         | Rates    | Fringes |
| PLUMBER/PIPEFITTER..... | \$ 33.33 | 24.48   |

-----  
PLUM0118-002 06/01/2021

KENOSHA, RACINE, AND WALWORTH COUNTIES

|                              |          |         |
|------------------------------|----------|---------|
|                              | Rates    | Fringes |
| Plumber and Steamfitter..... | \$ 45.98 | 25.05   |

-----  
PLUM0400-003 05/31/2021

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..... | \$ 44.88 | 20.65   |

-----  
PLUM0434-002 05/30/2021

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..... | \$ 44.65 | 20.72   |

-----  
PLUM0601-003 06/01/2021

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, MILWAUKEE, OZAUKEE, ROCK, WASHINGTON AND WAUKESHA COUNTIES

|                 |          |         |
|-----------------|----------|---------|
|                 | Rates    | Fringes |
| PIPEFITTER..... | \$ 48.81 | 27.80   |

-----  
PLUM0601-009 06/01/2021

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

|                 |          |         |
|-----------------|----------|---------|
|                 | Rates    | Fringes |
| PIPEFITTER..... | \$ 50.55 | 26.05   |

-----  
TEAM0039-002 06/01/2021

|  |       |         |
|--|-------|---------|
|  | Rates | Fringes |
|--|-------|---------|

TRUCK DRIVER

|   |       |
|---|-------|
| 1 & 2 Axle Trucks.....\$ 32.57  | 23.81 |
| 3 or more axles; Euclids<br>or Dumptor, Articulated<br>Truck, Mechanic.....\$ 32.72 | 23.81 |

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SUWI2011-001 11/16/2011

Rates                      Fringes

WELL DRILLER.....\$ 16.52  
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WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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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.

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#### 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 Division National Office Branch of Wage Surveys. 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

January 27, 2022

### Division of Transportation Systems Development

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> Floor South  
Madison, WI 53705

Telephone: (608) 266-1631  
Facsimile (FAX): (608) 266-8459

### NOTICE TO ALL CONTRACTORS:

**Proposal #15: 2718-04-71, WISC 2022167**  
**W St. Paul Avenue**  
**Mountain Ave to Madison St**  
**Local Street**  
**Waukesha County**

### Letting of November 8, 2022

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

#### Schedule of Items:

| Revised Bid Item Quantities |                                |      |              |                  |                |
|-----------------------------|--------------------------------|------|--------------|------------------|----------------|
| Bid Item                    | Item Description               | Unit | Old Quantity | Revised Quantity | Proposal Total |
| SPV.0060.13                 | Sanitary Manhole 48-Inch       | EA   | 3            | 1                | 4              |
| SPV.0090.10                 | PVC Sanitary Sewer Pipe 8-Inch | LF   | 296          | 142              | 438            |

| Deleted Bid Item Quantities |                                 |      |              |                  |                |
|-----------------------------|---------------------------------|------|--------------|------------------|----------------|
| Bid Item                    | Item Description                | Unit | Old Quantity | Revised Quantity | Proposal Total |
| SPV.0090.04                 | CIPP Sanitary Sewer Pipe 8-Inch | LF   | 179          | -179             | 0              |

#### Plan Sheets:

| Revised Plan Sheets |   |
|---------------------|---|
| Plan Sheet          | Plan Sheet Title (brief description of changes to sheet)                            |
| 76                  | Sanitary sewer/CIPP. Changed from CIPP to a sewer relay.                            |
| 77                  | Sanitary sewer/CIPP. Changed from CIPP to a sewer relay. Added one sanitary manhole |
| 240                 | MISC Quantities. Revised the 48-inch manhole quantity                               |
| 241                 | MISC Quantities. Revised the 8 Inch CIPP quantity and 8 Inch PVC quantity           |

**Schedule of Items**

Attached, dated January 27, 2022, are the revised Schedule of Items Pages 12, 15 and 16.

**Plan Sheets**

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

Revised: 76, 77, 240, and 241

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

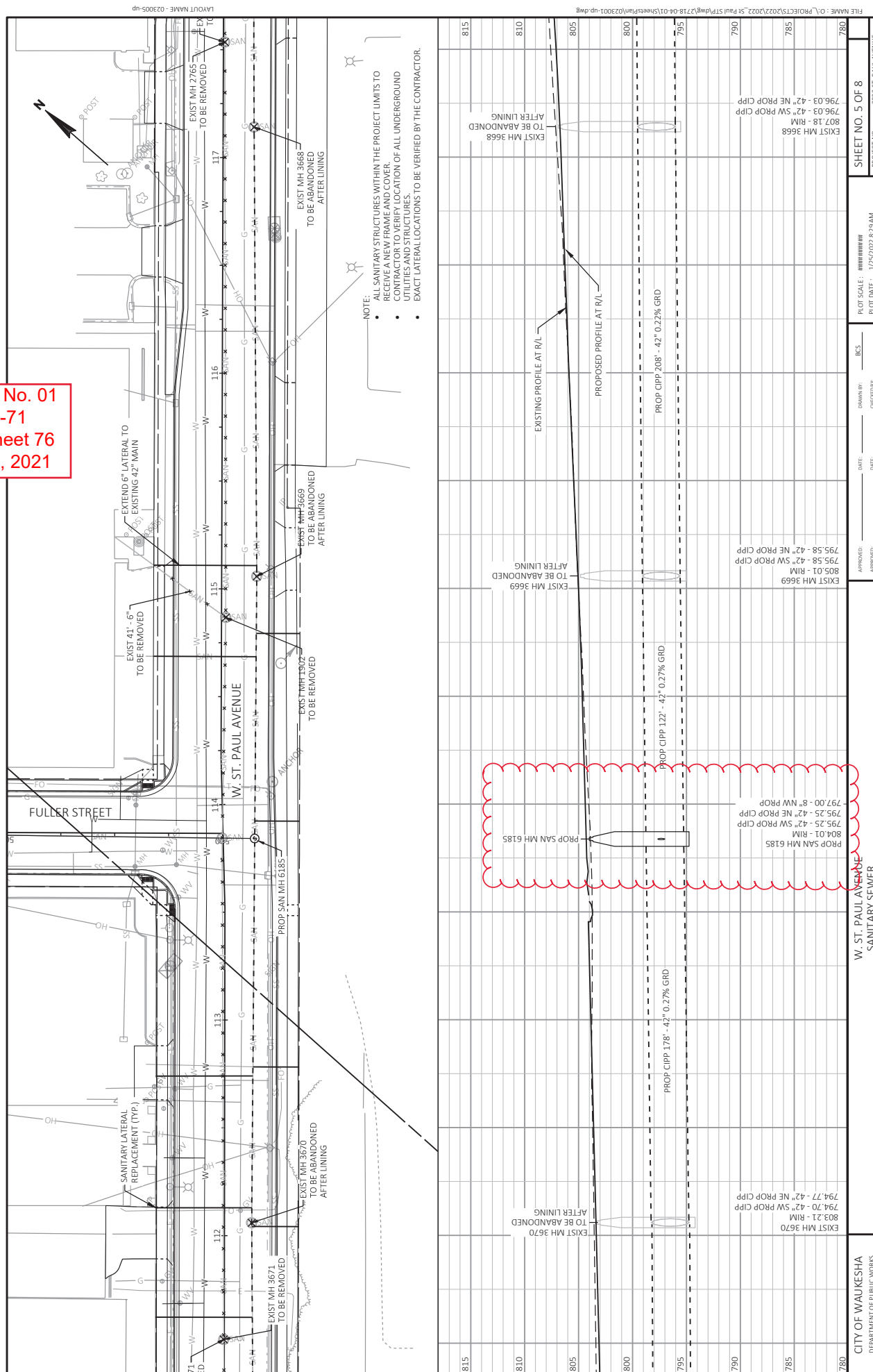
Sincerely,

*Mike Coleman*

Proposal Development Specialist  
Proposal Management Section

END OF ADDENDUM

Addendum No. 01  
ID 2718-04-71  
Revised Sheet 76  
January 27, 2021



**Plan View Details:**

- Fuller Street
- W. ST. PAUL AVENUE
- EXIST MH 1902 TO BE REMOVED
- PROP SAN MH 6185
- PROP MH 6226
- EXIST MH 3676
- NOTE: ALL SANITARY STRUCTURES WITHIN THE PROJECT LIMITS TO RECEIVE A NEW FRAME AND COVER. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES. EXACT LATERAL LOCATIONS TO BE VERIFIED BY THE CONTRACTOR.

**Profile View Details:**

- PROPOSED PROFILE ALONG SEWER
- EXISTING PROFILE ALONG SEWER
- TO BE REMOVED
- EXIST MH 2741
- PROP SAN MH 6185
- PROP MH 6226
- EXIST MH 3676
- PROP 159' - 8" 0.50% GRD
- EXIST 35' - 8" 0.67% GRD

**Elevation Data (Right Side):**

| Structure                 | Elevation    | Notes |
|---------------------------|--------------|-------|
| EXIST MH 3676             | 806.86 - RIM |       |
| 798.69 - 8" SE EXIST      |              |       |
| 798.96 - 8" NW EXIST      |              |       |
| 798.47 - 8" NE EXIST      |              |       |
| PROP MH 6226              | 805.36 - RIM |       |
| 797.80 - 8" SE PROP       |              |       |
| 798.45 - 8" NW EXIST      |              |       |
| EXIST MH 2741             | 803.93 - RIM |       |
| 796.88 - 24" SW EXIST     |              |       |
| 797.45 - 8" NW EXIST      |              |       |
| PROP SAN MH 6185          | 804.01 - RIM |       |
| 795.25 - 42" SW PROP CLIP |              |       |
| 797.00 - 8" NW PROP       |              |       |

CITY OF WAUKESHA  
DEPARTMENT OF PUBLIC WORKS

Addendum No. 01  
ID 2718-04-71  
Revised Sheet 240  
January 27, 2021

| SANITARY SEWER STRUCTURES |                  |                |            |  |    |  |    |   |    |  |    |  |    |
|---------------------------|------------------|----------------|------------|--|----|--|----|---|----|--|----|--|----|
| ROADWAY                   | STRUCTURE ID     | STA            | OFFSET     | SPV 0060.11<br>ABANDONING SANITARY<br>SEWER MANHOLES |    | 204.9060.5.02<br>REMOVING SANITARY<br>SEWER MANHOLES |    | SPV 0060.12<br>ADJUSTING SANITARY<br>SEWER MANHOLES |    | SPV 0060.13<br>48 INCH DIA<br>SANITARY MANHOLE |    | SPV 0060.14<br>72 INCH DIA<br>SANITARY MANHOLE |    |
|                           |                  |                |            | EA   | EA | EA   | EA | EA  | EA | EA   | EA |  |    |
| W ST PAUL AVE             | EXIST MH 3686    | STA 103+09.18  | 1.6' RT    | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
|                           | EXIST MH 3687    | STA 104+78.01  | 0.1' RT    | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
|                           | PROP SAN MH 6184 | STA 106+71.79  | 0.2' LT    | --   | -- | --   | -- | --  | -- | 1  | -- | --   | -- |
|                           | EXIST MH 3675    | STA 106+95.84  | 0.1' RT    | --   | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 3673    | STA 109+13.42  | 1.5' RT    | --   | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 3671    | STA 111+51.88  | 0.3' LT    | --   | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 2741    | STA 113+84.34  | 0.4' LT    | --   | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 1902    | STA 114+86.70  | 2.0' RT    | --   | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 2765    | STA 117+53.51  | 0.7' RT    | --   | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 3666    | STA 119+31.75  | 1.6' LT    | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
| WISCONSIN AVE             | EXIST MH 2764    | STA 119+77.54  | 0.2' RT    | 1  | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 1112    | STA 120+17.87  | 0.5' LT    | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
|                           | EXIST MH 1113    | STA 121+42.185 | 2.2' LT    | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
|                           | EXIST MH 2763    | STA 121+46.44  | 2.3' LT    | --   | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 3682    | STA 303+81.86  | 52.6' LT   | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
|                           | EXIST MH 3674    | STA 305+04.34  | 21.9' RT   | --   | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 3672    | STA 109+13.89  | 14.9' RT   | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
|                           | EXIST MH 3670    | STA 112+06.01  | 12.6' RT   | 1  | -- | --   | -- | --  | -- | --   | -- | 1  | -- |
|                           | PROP SAN MH 6185 | STA 113+83.83  | 14.6' RT   | --   | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 3669    | STA 115+05.82  | 16.3' RT   | 1  | -- | --   | -- | --  | -- | --   | -- | --   | -- |
| MADISON ST                | EXIST MH 3668    | STA 117+41.16  | 14.4' RT   | 1  | -- | --   | -- | --  | -- | --   | -- | --   | -- |
|                           | EXIST MH 3667    | STA 119+14.67  | 13.2' RT   | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
|                           | EXIST MH 5894    | STA 600+26.18  | 0.4' RT    | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
|                           | PROP SAN MH 6187 | STA 600+26.18  | 0.4' RT    | --   | -- | --   | -- | --  | -- | 1  | -- | --   | -- |
|                           | PROP SAN MH 6186 | STA 601+50.28  | 0.1' LT    | --   | -- | --   | -- | --  | -- | --   | -- | --   | -- |
| FULLER ST                 | EXIST MH 3941    | STA 602+79.72  | 0.0' LT/RT | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
|                           | EXIST MH 1128    | STA 604+90.95  | 0.1' LT    | --   | -- | --   | -- | 1   | -- | --   | -- | --   | -- |
|                           | PROP SAN MH 6226 | sta 501+44.26  | 0.7' LT    | --   | -- | --   | -- | --  | -- | 1  | -- | --   | -- |
| TOTAL                     |                  |                |            | 4  |    | 8  |    | 11  |    | 4  |    | 1  |    |

ALL CATEGORY 0030 UNLESS OTHERWISE NOTED

Addendum No. 01  
ID 2718-04-71  
Revised Sheet 241  
January 27, 2021

| ROADWAY       | FROM<br>STRUCTURE | TO<br>STRUCTURE  | SPV.0090.04<br>8 INCH CIPP<br>SANITARY SEWER PIPE |     | SPV.0090.05<br>10 INCH CIPP<br>SANITARY SEWER PIPE |     | SPV.0090.06<br>18 INCH CIPP<br>SANITARY SEWER PIPE |       | SPV.0090.07<br>24 INCH CIPP<br>SANITARY SEWER PIPE |     | SPV.0090.08<br>42 INCH CIPP<br>SANITARY SEWER PIPE |    | SPV.0090.09<br>48 INCH CIPP<br>SANITARY SEWER PIPE |     | SPV.0090.10<br>8 INCH PVC<br>SANITARY SEWER PIPE |    | SPV.0090.11<br>10 INCH PVC<br>SANITARY SEWER PIPE |    |
|---------------|-------------------|------------------|---|-----|--|-----|--|-------|--|-----|--|----|--|-----|--|----|---|----|
|               |                   |                  | LF  | UF  | LF   | UF  | LF   | UF    | LF   | UF  | LF   | UF | LF   | UF  | LF   | UF | LF  | UF |
| W ST PAUL AVE | EXIST MH 3685     | EXIST MH 3686    | --  | --  | 249  | --  | --   | --    | --   | --  | --   | -- | --   | --  | --   | -- | --  | -- |
|               | EXIST MH 3686     | EXIST MH 3687    | --  | --  | 169  | --  | --   | --    | --   | --  | --   | -- | --   | --  | --   | -- | --  | -- |
|               | EXIST MH 3687     | PROP SAN MH 6184 | --  | --  | 194  | --  | --   | --    | --   | --  | --   | -- | --   | --  | --   | -- | --  | -- |
|               | PROP SAN MH 6184  | EXIST MH 3674    | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | --   | --  | --   | -- | 12  | -- |
|               | EXIST MH 3666     | EXIST MH 2764    | --  | --  | --   | --  | --   | --    | --   | --  | 46   | -- | --   | --  | --   | -- | --  | -- |
| WISCONSIN AVE | EXIST MH 2764     | EXIST MH 1112    | --  | --  | --   | --  | --   | --    | --   | --  | 40   | -- | --   | --  | --   | -- | --  | -- |
|               | EXIST MH 1112     | EXIST MH 1113    | --  | --  | --   | --  | --   | --    | --   | --  | 104  | -- | --   | --  | --   | -- | --  | -- |
|               | EXIST MH 3682     | EXIST MH 3674    | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | 149  | --  | --   | -- | --  | -- |
|               | EXIST MH 3674     | EXIST MH 3672    | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | 242  | --  | --   | -- | --  | -- |
|               | EXIST MH 3672     | EXIST MH 3670    | --  | --  | --   | --  | --   | --    | --   | --  | 292  | -- | --   | --  | --   | -- | --  | -- |
| W ST PAUL AVE | EXIST MH 3670     | PROP SAN MH 6185 | --  | --  | --   | --  | --   | --    | --   | --  | 178  | -- | --   | --  | --   | -- | --  | -- |
|               | PROP SAN MH 6185  | EXIST MH 3669    | --  | --  | --   | --  | --   | --    | --   | --  | 122  | -- | --   | --  | --   | -- | --  | -- |
|               | EXIST MH 3669     | EXIST MH 3668    | --  | --  | --   | --  | --   | --    | --   | --  | 208  | -- | --   | --  | --   | -- | --  | -- |
|               | EXIST MH 3668     | EXIST MH 3667    | --  | --  | --   | --  | --   | --    | --   | --  | 201  | -- | --   | --  | --   | -- | --  | -- |
|               | EXIST MH 3667     | EXIST MH 3666    | --  | --  | --   | --  | --   | --    | --   | --  | 23   | -- | --   | --  | --   | -- | --  | -- |
| FULLER ST     | PROP SAN MH 6185  | PROP SAN MH 6226 | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | --   | 159 | --   | -- | --  | -- |
|               | EXIST MH 2741     | EXIST MH 3676    | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | --   | --  | --   | -- | --  | -- |
|               | PROP SAN MH 6187  | PROP SAN MH 6186 | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | --   | --  | 124  | -- | --  | -- |
| MADISON ST    | PROP SAN MH 6186  | EXIST MH 1112    | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | --   | --  | 155  | -- | --  | -- |
|               | EXIST MH 3682     | EXIST MH 3643    | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | 267  | --  | --   | -- | --  | -- |
|               | EXIST MH 3643     | EXIST MH 3642    | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | 275  | --  | --   | -- | --  | -- |
|               | EXIST MH 3642     | EXIST MH 3647/8  | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | 190  | --  | --   | -- | --  | -- |
|               | EXIST MH 3647/8   | EXIST MH 3645/6  | --  | --  | --   | 133 | --   | --    | 399  | --  | --   | -- | --   | --  | --   | -- | --  | -- |
| RIVERWALK DR  | EXIST MH 3645/6   | EXIST MH 3649    | --  | --  | --   | --  | --   | --    | --   | --  | --   | -- | 59   | --  | --   | -- | --  | -- |
|               | TOTAL             |                  | 0   | 612 | 133  | 133 | 399  | 1,214 | 1,182  | 438 | 12   |    |  |     |  |    |   |    |

ALL CATEGORY 0020 UNLESS OTHERWISE NOTED

|   |                         |                  |                          |              |                      |
|---|-------------------------|------------------|--------------------------|--------------|----------------------|
| PROJECT NO: 2718-04-01  | HWY: W. ST. PAUL AVENUE | COUNTY: WAUKESHA | MISCELLANEOUS QUANTITIES | SHEET 241    | E                    |
| FILE NAME: O:\PROJECTS\2020\2022_ST PAUL ST\DWG\2718-04-01\USHEETS\PLANO\30701-MQ.DWG | DATE: 1/24/2022 7:49 PM | BY: CRAIG AUSEN  | NAME: CRAIG AUSEN        | SCALE: 1"=1' | WSS07/CAD05 SHEET 42 |



## Proposal Schedule of Items

Page 12 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description  | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0340                 | SPV.0060<br>Special 01. Remove and Salvage Existing Street Lighting Unit                     | 27.000<br>EACH                 | _____.     | _____.     |
| 0342                 | SPV.0060<br>Special 02. Remove and Dispose of Existing Street Light Controller               | 1.000<br>EACH                  | _____.     | _____.     |
| 0344                 | SPV.0060<br>Special 03. Lighting Control Cabinet   | 1.000<br>EACH                  | _____.     | _____.     |
| 0346                 | SPV.0060<br>Special 04. Install City Furnished Pole & 8-Foot Arm LED Luminaire               | 14.000<br>EACH                 | _____.     | _____.     |
| 0348                 | SPV.0060<br>Special 05. Install City Furnished Post Top Pole LED Luminaire                   | 14.000<br>EACH                 | _____.     | _____.     |
| 0350                 | SPV.0060<br>Special 06. Install City-Furnished Street Light Luminaire on Traffic Signal      | 8.000<br>EACH                  | _____.     | _____.     |
| 0352                 | SPV.0060<br>Special 07. Install Existing Fiber Optic Communication Conduit into New Pull Box | 3.000<br>EACH                  | _____.     | _____.     |
| 0354                 | SPV.0060<br>Special 08. Communications Vault 24x36   | 12.000<br>EACH                 | _____.     | _____.     |
| 0356                 | SPV.0060<br>Special 09. Traffic Signal Controller Programming W St Paul Ave & Wisconsin Ave  | 1.000<br>EACH                  | _____.     | _____.     |
| 0358                 | SPV.0060<br>Special 10. Traffic Signal Controller Programming W St Paul Ave & Madison St     | 1.000<br>EACH                  | _____.     | _____.     |
| 0360                 | SPV.0060<br>Special 11. Abandoning Sanitary Sewer Manholes                                   | 4.000<br>EACH                  | _____.     | _____.     |
| 0362                 | SPV.0060<br>Special 12. Adjusting Sanitary Sewer Manholes                                    | 11.000<br>EACH                 | _____.     | _____.     |
| 0364                 | SPV.0060<br>Special 13. Sanitary Manhole 48-Inch   | 4.000<br>EACH                  | _____.     | _____.     |



## Proposal Schedule of Items

Page 15 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description  | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0418                 | SPV.0060<br>Special 43. Furnish and Install<br>Emergency Vehicle Preemption System<br>W St Paul Ave & Madi | 1.000<br>EACH                  | _____.     | _____.     |
| 0420                 | SPV.0060<br>Special 44. Relocate Existing Wireless<br>Communication Antenna                                | 1.000<br>EACH                  | _____.     | _____.     |
| 0422                 | SPV.0060<br>Special 45. Furnish and Install Vehicle<br>Video Detection System W St Paul Ave &<br>Wisconsin | 1.000<br>EACH                  | _____.     | _____.     |
| 0424                 | SPV.0060<br>Special 46. Furnish and Install Vehicle<br>Video Detection System W St Paul Ave &<br>Madison S | 1.000<br>EACH                  | _____.     | _____.     |
| 0426                 | SPV.0060<br>Special 47. Temporary Street Lighting  | 1.000<br>EACH                  | _____.     | _____.     |
| 0428                 | SPV.0090<br>Special 01. Remove and Dispose of<br>Existing Wire and Abandon Conduit In<br>Place             | 4,050.000<br>LF                | _____.     | _____.     |
| 0430                 | SPV.0090<br>Special 02. Abandoning Storm Sewer   | 196.000<br>LF                  | _____.     | _____.     |
| 0432                 | SPV.0090<br>Special 03. Abandoning Sanitary Sewer<br>Pipe  | 253.000<br>LF                  | _____.     | _____.     |
| 0436                 | SPV.0090<br>Special 05. CIPP Sanitary Sewer Pipe<br>10-inch  | 612.000<br>LF                  | _____.     | _____.     |
| 0438                 | SPV.0090<br>Special 06. CIPP Sanitary Sewer Pipe<br>18-inch  | 133.000<br>LF                  | _____.     | _____.     |
| 0440                 | SPV.0090<br>Special 07. CIPP Sanitary Sewer Pipe<br>24-inch  | 399.000<br>LF                  | _____.     | _____.     |
| 0442                 | SPV.0090<br>Special 08. CIPP Sanitary Sewer Pipe<br>42-inch  | 1,214.000<br>LF                | _____.     | _____.     |





## Proposal Schedule of Items

Page 16 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description  | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0444                 | SPV.0090<br>Special 09. CIPP Sanitary Sewer Pipe 48-inch                             | 1,182.000<br>LF                | _____.     | _____.     |
| 0446                 | SPV.0090<br>Special 10. PVC Sanitary Sewer Pipe 8-inch                               | 438.000<br>LF                  | _____.     | _____.     |
| 0448                 | SPV.0090<br>Special 11. PVC Sanitary Sewer Pipe 10-inch                              | 12.000<br>LF                   | _____.     | _____.     |
| 0450                 | SPV.0090<br>Special 12. Sanitary Sewer Lateral Replacement 6-inch                    | 648.000<br>LF                  | _____.     | _____.     |
| 0452                 | SPV.0090<br>Special 13. Furnish and Install Water Main and Fittings 8-inch           | 270.000<br>LF                  | _____.     | _____.     |
| 0454                 | SPV.0090<br>Special 14. Furnish and Install Water Main and Fittings 12-inch          | 2,055.000<br>LF                | _____.     | _____.     |
| 0456                 | SPV.0090<br>Special 15. Furnish and Install Water Main and Fittings 16-inch Class 52 | 490.000<br>LF                  | _____.     | _____.     |
| 0458                 | SPV.0090<br>Special 16. Clean and Televiser Sanitary Sewer                           | 1,075.000<br>LF                | _____.     | _____.     |
| 0460                 | SPV.0090<br>Special 16. Construction Staking Watermain                               | 2,755.000<br>LF                | _____.     | _____.     |
| 0462                 | SPV.0090<br>Special 17. Clean and Televiser Storm Sewer                              | 5,000.000<br>LF                | _____.     | _____.     |
| 0464                 | SPV.0090<br>Special 19. Conduit HDPE 1-Duct 3-Inch                                   | 1,911.000<br>LF                | _____.     | _____.     |
| Section: 0001        |  |                                | Total:     | _____.     |
|                      |  |                                | Total Bid: | _____.     |





## Wisconsin Department of Transportation

February 2, 2022

### Division of Transportation Systems Development

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> Floor South  
Madison, WI 53705

Telephone: (608) 266-1631  
Facsimile (FAX): (608) 266-8459

### NOTICE TO ALL CONTRACTORS:

**Proposal #15: 2718-04-71, WISC 2022167**  
**W St Paul Avenue**  
**Mountain Ave to Madison St**  
**Local Street**  
**Waukesha County**

### Letting of February 8, 2022

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

#### Schedule of Items:

| Revised Bid Item Quantities |                          |      |              |                  |                |
|-----------------------------|--------------------------|------|--------------|------------------|----------------|
| Bid Item                    | Item Description         | Unit | Old Quantity | Revised Quantity | Proposal Total |
| 416.0170                    | Concrete Driveway 7-Inch | SY   | 5,225        | -4,635           | 590            |
| 416.0180                    | Concrete Driveway 8-Inch | SY   | 835          | -740             | 95             |
| 624.0100                    | Water                    | MGAL | 8,000        | -7,200           | 800            |

#### Plan Sheets:

| Revised Plan Sheets |   |
|---------------------|---|
| Plan Sheet          | Plan Sheet Title (brief description of changes to sheet)      |
| 185                 | MISC Quantities. Revised 7- and 8-Inch driveway quantities    |
| 189                 | MISC Quantities. Revised water quantity                       |
| 194                 | MISC Quantities. Revised Salvaged/Unusable quantity           |
| 377                 | Revised Earthwork summary. Revised Salvaged/Unusable quantity |
| 378                 | Revised Earthwork summary. Revised Salvaged/Unusable quantity |
| 379                 | Revised Earthwork summary. Revised Salvaged/Unusable quantity |
| 381                 | Revised Earthwork summary. Revised Salvaged/Unusable quantity |
| 382                 | Revised Earthwork summary. Revised Salvaged/Unusable quantity |
| 384                 | Revised Earthwork summary. Revised Salvaged/Unusable quantity |
| 385                 | Revised Earthwork summary. Revised Salvaged/Unusable quantity |
| 386                 | Revised Earthwork summary. Revised Salvaged/Unusable quantity |

**Schedule of Items**

Attached, dated February 2, 2022, are the revised Schedule of Items Pages 3 and 5.

**Plan Sheets**

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

Revised: 185, 189, 194, 377, 378, 379, 381, 382, 384, 385, and 386

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. 02  
ID 2718-04-71  
Revised Sheet 185  
February 2, 2022

### CONCRETE SIDEWALK \*

### DRIVEWAYS \*

2 PROJECT ID 2718-04-71

2 PROJECT ID 2718-04-71

#### W. ST PAUL AVENUE

#### W. ST PAUL AVENUE

| STAGE | ROADWAY | STATION               | TO | STATION | OFFSET | TON | SF     |     |
|-------|---------|-----------------------|----|---------|--------|-----|--------|-----|
|       |         | 102+00                | -  | 106+00  | RT     | 75  | 2,630  | 12  |
|       |         | 102+00                | -  | 102+75  | LT     | 25  | 890    | 10  |
|       |         | 103+00                | -  | 106+00  | LT     | 50  | 1800   | 20  |
|       |         | 107+00                | -  | 120+00  | RT     | 170 | 6100   | 30  |
|       |         | 107+00                | -  | 113+75  | LT     | 85  | 3,000  | 20  |
|       |         | 115+00                | -  | 120+00  | LT     | 75  | 2,570  | 10  |
|       |         | 120+50                | -  | 122+62  | RT     | 30  | 1,035  | 10  |
|       |         | 120+50                | -  | 122+62  | LT     | 30  | 950    | 10  |
|       |         | 303+00                | -  | 304+75  | RT     | 20  | 730    | 10  |
|       |         | 303+00                | -  | 304+75  | LT     | 25  | 900    | 12  |
|       |         | 400+25                | -  | 402+50  | RT     | 25  | 900    | 10  |
|       |         | 400+25                | -  | 402+50  | LT     | 35  | 1,170  | 10  |
|       |         | 500+25                | -  | 501+50  | RT     | 20  | 650    | 10  |
|       |         | 500+25                | -  | 501+50  | LT     | 20  | 680    | 10  |
|       |         | 600+25                | -  | 602+75  | RT     | 35  | 1,120  | 10  |
|       |         | 600+25                | -  | 602+75  | LT     | 35  | 1,240  | 10  |
|       |         | 603+25                | -  | 605+60  | RT     | 25  | 875    | 10  |
|       |         | 603+25                | -  | 605+60  | LT     | 25  | 875    | 30  |
|       |         | 705+00                | -  | 705+50  | RT     | 8   | 235    | -   |
|       |         | 705+00                | -  | 705+50  | LT     | 5   | 165    | -   |
|       |         | <b>CONTRACT TOTAL</b> |    |         |        | 818 | 28,515 | 244 |

| STAGE | ROADWAY | STATION               | TO | STATION   | OFFSET | TON | SF  |    |
|-------|---------|-----------------------|----|-----------|--------|-----|-----|----|
|       |         | 107+93.49             | -  | 108+21.13 | LT     | 7   | 27  |    |
|       |         | 110+21.74             | -  | 110+54.01 | LT     | 8   | 32  |    |
|       |         | 110+45.63             | -  | 110+74.47 | RT     | 8   | 32  |    |
|       |         | 111+89.29             | -  | 112+13.28 | LT     | 6   | 23  |    |
|       |         | 112+63.01             | -  | 112+88.03 | LT     | 6   | 24  |    |
|       |         | 114+25                | -  | 115+10    | LT     | 25  |     | 95 |
|       |         | 115+57.25             | -  | 119+89.28 | RT     | 9   | 35  |    |
|       |         | 115+75                | -  | 115+95    | LT     | 11  | 43  |    |
|       |         | 116+44.54             | -  | 116+68.32 | LT     | 10  | 38  |    |
|       |         | 117+15.83             | -  | 117+39.74 | LT     | 10  | 38  |    |
|       |         | 117+55                | -  | 117+87    | RT     | 9   | 35  |    |
|       |         | 121+08.91             | -  | 121+23.19 | LT     | 5   | 19  |    |
|       |         | 121+55.02             | -  | 121+71.01 | LT     | 5   | 19  |    |
|       |         | 121+90.98             | -  | 122+22.25 | LT     | 9   | 35  |    |
|       |         | <b>CONTRACT TOTAL</b> |    |           |        | 173 | 590 | 95 |

#### WISCONSIN AVENUE

#### WISCONSIN AVENUE

#### FULLER STREET

#### MADISON STREET

#### MADISON STREET

#### ANN STREET

#### MADISON STREET

ALL CATEGORY 0010 UNLESS OTHERWISE NOTED

PROJECT NO: 2718-04-71

HWY: W. ST PAUL AVENUE

COUNTY: WAUKESHA

MISCELLANEOUS QUANTITIES

SHEET 185

FILE NAME: O:\PROJECTS\2023\2022\_ST PAUL STP\DWG\2718-04-01\WHS185-185-01-MQ.DWG

LAYOUT NAME: - 06

PLOT DATE: 1/31/2022 4:03 PM

PLOT BY: CRAIG AUSEN

PLOT SCALE: 1"=1'

WHS007/CAD05 SHEET 42

Addendum No. 02  
ID 2718-04-71  
Revised Sheet 189  
February 2, 2022

WATER

| STAGE          | LOCATION | 624.0100<br>WATER<br>MGAL |
|----------------|----------|---------------------------|
| ALL            | PROJECT  | 800                       |
| CONTRACT TOTAL |          | 800                       |

| STAGE          | LOCATION | 623.0200<br>SY |
|----------------|----------|----------------|
| ALL            | PROJECT  | 16,000         |
| CONTRACT TOTAL |          | 16,000         |

DUST CONTROL SURFACE TREATMENT

ALL CATEGORY 0010 UNLESS OTHERWISE NOTED

| DIVISION            | FROM/TO STATION      | LOCATION         | COMMON EXCAVATION<br>(1) |                       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL<br>(4) | AVAILABLE<br>MATERIAL<br>(5) | UNEXPANDED<br>FILL | EXPANDED FILL<br>(13)<br>FACTOR<br>1.25 |       | MASS ORDNATE +/-<br>(14) | WASTE |
|---------------------|----------------------|------------------|--------------------------|-----------------------|---|------------------------------|--------------------|---|-------|--------------------------|-------|
|                     |                      |                  | CUT<br>(2)               | EBS EXCAVATION<br>(3) |   |                              |                    |   |       |                          |       |
| DIVISION 1          |                      |                  |                          |                       |   |                              |                    |   |       |                          |       |
| QR-ANN              | 705+00/705+55        |                  | 116                      | 10                    | 33  | 83                           | 0                  | 0                                       | 83    | 83                       | 83    |
| QR-FULLER           | 500+25/501+49.02     |                  | 263                      | 91                    | 57  | 206                          | 0                  | 0                                       | 206   | 206                      | 206   |
| QR-MADISON          | 600+18.376/605+60    |                  | 1,573                    | 492                   | 752   | 821                          | 3                  | 4                                       | 817   | 817                      | 817   |
| QR-MOUNTAIN         | 202+00/202+80        |                  | 134                      | 0                     | 45  | 89                           | 0                  | 0                                       | 89    | 89                       | 89    |
| QR-NORTH            | 400+25/402+48.22     |                  | 643                      | 235                   | 257   | 386                          | 0                  | 0                                       | 386   | 386                      | 386   |
| QR-STPAUL           | 102+00/122+50        |                  | 7,557                    | 4,262                 | 3,382   | 4,175                        | 20                 | 25                                      | 4,150 | 4,150                    | 4,150 |
| QR-WISCONSIN        | 03+03.348/205+16.688 |                  | 1,001                    | 222                   | 356   | 645                          | 2                  | 3                                       | 643   | 643                      | 643   |
| DIVISION 1 SUBTOTAL |                      |                  | 11,287                   | 5,312                 | 4,882   | 6,405                        | 25                 | 31                                      | 6,374 | 6,374                    | 6,374 |
| GRAND TOTAL         |                      | TOTAL COMMON EXC | 11,287                   | 5,312                 | 4,882   | 6,405                        | 25                 | 31                                      | 6,374 | 6,374                    | 6,374 |

## NOTES:

- (1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100  
 (2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN EXCAVATION COMMON.  
 (3) SALVAGED/UNUSABLE PAVEMENT MATERIAL INCLUDES PAVEMENT, ASPHALT, CURB AND GUTTER AND SIDEWALKS, ASPHALT DRIVEWAYS AND PARKING LOTS WERE ESTIMATED AT 4" DEPTH AND SIDEWALK AT 4" DEPTH  
 (4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL  
 (5) EXPANDED FILL FACTOR = 1.25  
 (6) THE MASS ORDNATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.  
 THE MASS ORDNATE IS = EXCAVATION COMMON-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

Addendum No. 02  
ID 2718-04-71  
Revised Sheet 194  
February 2, 2022

## EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOI

| 205.0501.5                              |               |       |
|---|---------------|-------|
| EXCAVATION, HAULING, AND                |               |       |
| DISPOSAL OF PETROLEUM CONTAMINATED SOIL |               |       |
| STAGE                                   | LOCATION      | TON   |
| ALL                                     | UNDISTRIBUTED | 1,600 |
| CONTRACT TOTAL                          |               | 1,600 |

ALL CATEGORY 0010 UNLESS OTHERWISE NOTED

|   |                        |                         |                          |                   |                      |
|---|------------------------|-------------------------|--------------------------|-------------------|----------------------|
| PROJECT NO: 2718-04-71  | HWY: W. ST PAUL AVENUE | COUNTY: WAUKESHA        | MISCELLANEOUS QUANTITIES | SHEET 194         | E                    |
| FILE NAME: O:\PROJECTS\2023\2022_ST PAUL STP.DWG\2718-04-01\SHEETS\SP-AM0301-MQ.DWG | LAYOUT NAME: - 15      | DATE: 1/31/2022 5:56 PM | FLAT BY: CRAIG AUSEN     | FLAT SCALE: 1"=1' | WBS07/CAD05 SHEET 42 |

Addendum No. 02  
ID 2718-04-71  
Revised Sheet 377  
February 2, 2022

| STATION    | REAL STATION | DISTANCE | AREA (SF) |                                     | INCREMENTAL VOL (CY) (UNADJUSTED) |        | CUMULATIVE VOL (CY) |               |                       |                     |               |
|------------|--------------|----------|-----------|-------------------------------------|-----------------------------------|--------|---------------------|---------------|-----------------------|---------------------|---------------|
|            |              |          | CUT       | SALVAGED/UNUSABLE PAVEMENT MATERIAL | FILL                              | EBS    | CUT                 | EXPANDED FILL | EXPANDED EBS BACKFILL | REDUCED EBS IN FILL | MASS ORDINATE |
|            |              |          | NOTE      | NOTE 2                              | NOTE 3                            | NOTE 4 | NOTE 1              | 1.25          | 1.30                  | 0.80                | NOTE 8        |
| 102+00     | 10200.00     | 0.00     | 0.00      | 45.00                               | 0.00                              | 0.00   | 0                   | 0             | 0                     | 0                   | 0             |
| 102+50     | 10250.00     | 50.00    | 95.20     | 45.00                               | 0.00                              | 75.00  | 88                  | 0             | 90                    | 55                  | 74            |
| 102+70.95  | 10270.95     | 20.95    | 94.09     | 45.00                               | 0.00                              | 31.43  | 73                  | 0             | 143                   | 88                  | 153           |
| 102+75     | 10275.00     | 4.05     | 98.93     | 45.00                               | 0.00                              | 6.07   | 14                  | 0             | 147                   | 90                  | 163           |
| 102+80     | 10280.00     | 5.00     | 99.35     | 45.00                               | 0.00                              | 7.50   | 18                  | 0             | 148                   | 91                  | 174           |
| 102+85     | 10285.00     | 5.00     | 99.07     | 45.00                               | 0.00                              | 7.50   | 18                  | 0             | 150                   | 92                  | 185           |
| 102+90     | 10290.00     | 5.00     | 98.96     | 45.00                               | 0.00                              | 7.50   | 18                  | 0             | 151                   | 93                  | 196           |
| 102+95     | 10295.00     | 5.00     | 98.92     | 45.00                               | 0.00                              | 7.50   | 18                  | 0             | 152                   | 94                  | 207           |
| 103+00     | 10300.00     | 5.00     | 99.76     | 45.00                               | 0.00                              | 7.50   | 18                  | 0             | 153                   | 94                  | 218           |
| 103+05     | 10305.00     | 5.00     | 100.55    | 45.00                               | 0.00                              | 7.50   | 19                  | 0             | 155                   | 95                  | 230           |
| 103+10     | 10310.00     | 5.00     | 100.37    | 45.00                               | 0.00                              | 7.50   | 19                  | 0             | 156                   | 96                  | 242           |
| 103+15     | 10315.00     | 5.00     | 99.71     | 45.00                               | 0.00                              | 7.50   | 19                  | 0             | 157                   | 97                  | 254           |
| 103+20     | 10320.00     | 5.00     | 98.66     | 45.00                               | 0.00                              | 7.50   | 18                  | 0             | 159                   | 98                  | 265           |
| 103+25     | 10325.00     | 5.00     | 97.36     | 45.00                               | 0.00                              | 7.50   | 18                  | 0             | 160                   | 98                  | 276           |
| 103+30     | 10330.00     | 5.00     | 96.34     | 45.00                               | 0.00                              | 7.50   | 18                  | 0             | 161                   | 99                  | 287           |
| 103+32.469 | 10332.47     | 2.47     | 93.33     | 45.00                               | 0.08                              | 3.70   | 9                   | 0             | 163                   | 100                 | 293           |
| 103+50     | 10350.00     | 17.53    | 99.29     | 45.00                               | 0.00                              | 26.30  | 63                  | 0             | 176                   | 108                 | 337           |
| 104+00     | 10400.00     | 50.00    | 126.30    | 45.00                               | 0.00                              | 75.00  | 209                 | 0             | 298                   | 183                 | 557           |
| 104+50     | 10450.00     | 50.00    | 145.43    | 45.00                               | 0.00                              | 75.00  | 252                 | 0             | 478                   | 294                 | 865           |
| 105+00     | 10500.00     | 50.00    | 132.11    | 45.00                               | 0.07                              | 75.00  | 257                 | 0             | 659                   | 406                 | 1178          |
| 105+50     | 10550.00     | 50.00    | 97.72     | 45.00                               | 0.76                              | 75.00  | 213                 | 1             | 1379                  | 517                 | 1446          |
| 105+81.887 | 10581.89     | 31.89    | 102.77    | 45.00                               | 3.48                              | 47.83  | 118                 | 3             | 935                   | 575                 | 1580          |
| 105+85     | 10585.00     | 3.11     | 110.14    | 45.00                               | 1.11                              | 4.67   | 12                  | 0             | 939                   | 578                 | 1590          |
| 105+90     | 10590.00     | 5.00     | 125.11    | 45.00                               | 0.74                              | 7.50   | 22                  | 0             | 940                   | 578                 | 1605          |
| 105+95     | 10595.00     | 5.00     | 146.46    | 45.00                               | 0.00                              | 7.50   | 25                  | 0             | 941                   | 579                 | 1623          |
| 106+00     | 10600.00     | 5.00     | 161.11    | 45.00                               | 0.00                              | 7.50   | 28                  | 0             | 943                   | 580                 | 1644          |
| 106+05     | 10605.00     | 5.00     | 157.27    | 45.00                               | 0.00                              | 7.50   | 29                  | 0             | 944                   | 581                 | 1666          |
| 106+10     | 10610.00     | 5.00     | 162.78    | 45.00                               | 0.00                              | 7.50   | 30                  | 0             | 945                   | 582                 | 1689          |
| 106+15     | 10615.00     | 5.00     | 161.11    | 45.00                               | 0.00                              | 7.50   | 30                  | 0             | 946                   | 582                 | 1712          |
| 106+20     | 10620.00     | 5.00     | 157.18    | 45.00                               | 0.00                              | 7.50   | 29                  | 0             | 948                   | 583                 | 1734          |
| 106+25     | 10625.00     | 5.00     | 148.48    | 45.00                               | 0.00                              | 7.50   | 28                  | 0             | 949                   | 584                 | 1755          |
| 106+30     | 10630.00     | 5.00     | 138.87    | 45.00                               | 0.00                              | 7.50   | 27                  | 0             | 950                   | 585                 | 1775          |
| 106+35     | 10635.00     | 5.00     | 127.98    | 45.00                               | 0.00                              | 7.50   | 25                  | 0             | 952                   | 586                 | 1793          |
| 106+40     | 10640.00     | 5.00     | 117.04    | 45.00                               | 0.00                              | 7.50   | 23                  | 0             | 953                   | 586                 | 1809          |
| 106+45     | 10645.00     | 5.00     | 104.54    | 45.00                               | 0.00                              | 7.50   | 21                  | 0             | 954                   | 587                 | 1823          |
| 106+50     | 10650.00     | 5.00     | 92.44     | 45.00                               | 0.00                              | 7.50   | 18                  | 0             | 956                   | 588                 | 1834          |
| 106+55     | 10655.00     | 5.00     | 94.71     | 45.00                               | 0.00                              | 7.50   | 17                  | 0             | 957                   | 589                 | 1844          |
| 106+60     | 10660.00     | 5.00     | 103.33    | 45.00                               | 0.00                              | 7.50   | 18                  | 0             | 958                   | 590                 | 1855          |
| 106+65     | 10665.00     | 5.00     | 112.07    | 45.00                               | 0.00                              | 7.50   | 20                  | 0             | 959                   | 590                 | 1868          |
| 106+70     | 10670.00     | 5.00     | 119.21    | 45.00                               | 0.00                              | 7.50   | 21                  | 0             | 961                   | 591                 | 1882          |

PROJECT NO: 2718-04-71

HWY: W. ST PAUL AVENUE

COUNTY: WAUKESHA

EARTHWORK

SHEET 377

FILE NAME: C:\PROJECTS\02\2022\_ST PAUL ST\DWG\3\2718-04-01\WHS007\SP-AM08200-ENK.DWG  
LAYOUT NAME - 01  
PLOT DATE: 1/31/2022 5:47 PM  
PLOT BY: CRAIG AUSEN  
PLOT NAME:  
PLOT SCALE: 1 IN=30 FT HORZ. / 1 IN=4 FT VERT.  
WHS007/CAD05 SHEET 49



Addendum No. 02

ID 2718-04-71

Revised Sheet 378

February 2, 2022

| STATION    | REAL STATION | DISTANCE | AREA (SF) |                                     | INCREMENTAL VOL (CY) (UNADJUSTED) |       |        | CUMULATIVE VOL (CY) |                       |                     |                |
|------------|--------------|----------|-----------|-------------------------------------|-----------------------------------|-------|--------|---------------------|-----------------------|---------------------|----------------|
|            |              |          | CUT       | SALVAGED/UNUSABLE PAVEMENT MATERIAL | FILL                              | EBS   | CUT    | EXPANDED FILL       | EXPANDED EBS BACKFILL | REDUCED EBS IN FILL | MASS ORIGINATE |
|            |              |          |           |                                     |                                   |       | NOTE 1 | 1.25                | NOTE 5                | NOTE 7              | NOTE 8         |
| 106+75     | 10675.00     | 5.00     | 127.55    | 45.00                               | 0.00                              | 7.50  | 23     | 0                   | 962                   | 592                 | 1,898          |
| 106+80     | 10680.00     | 5.00     | 135.98    | 45.00                               | 0.00                              | 7.50  | 24     | 0                   | 963                   | 593                 | 1,915          |
| 106+85     | 10685.00     | 5.00     | 146.66    | 45.00                               | 0.00                              | 7.50  | 26     | 0                   | 965                   | 594                 | 1,934          |
| 106+90     | 10690.00     | 5.00     | 155.32    | 45.00                               | 0.00                              | 7.50  | 28     | 0                   | 966                   | 594                 | 1,955          |
| 106+95     | 10695.00     | 5.00     | 160.22    | 45.00                               | 0.00                              | 7.50  | 29     | 0                   | 967                   | 595                 | 1,977          |
| 107+00     | 10700.00     | 5.00     | 147.57    | 45.00                               | 0.00                              | 7.50  | 28     | 0                   | 968                   | 596                 | 1,998          |
| 107+05     | 10705.00     | 5.00     | 127.09    | 45.00                               | 0.00                              | 7.50  | 25     | 0                   | 970                   | 597                 | 2,016          |
| 107+10     | 10710.00     | 5.00     | 107.58    | 45.00                               | 0.00                              | 7.50  | 22     | 0                   | 971                   | 598                 | 2,031          |
| 107+14.009 | 10714.01     | 4.01     | 96.62     | 45.00                               | 0.00                              | 6.01  | 15     | 0                   | 972                   | 598                 | 2,040          |
| 107+50     | 10750.00     | 35.99    | 83.82     | 45.00                               | 0.00                              | 53.99 | 120    | 0                   | 1,024                 | 630                 | 2,140          |
| 108+00     | 10800.00     | 50.00    | 107.07    | 45.00                               | 0.00                              | 75.00 | 83     | 0                   | 1,179                 | 726                 | 2,353          |
| 108+50     | 10850.00     | 50.00    | 111.71    | 45.00                               | 0.00                              | 75.00 | 203    | 0                   | 1,360                 | 837                 | 2,612          |
| 109+00     | 10900.00     | 50.00    | 115.59    | 45.00                               | 0.00                              | 75.00 | 210    | 0                   | 1,541                 | 948                 | 2,878          |
| 109+50     | 10950.00     | 50.00    | 129.54    | 45.00                               | 0.00                              | 75.00 | 227    | 0                   | 1,721                 | 1,059               | 3,161          |
| 110+00     | 11000.00     | 50.00    | 145.19    | 45.00                               | 0.00                              | 75.00 | 254    | 0                   | 1,902                 | 1,170               | 3,471          |
| 110+50     | 11050.00     | 50.00    | 124.16    | 45.00                               | 0.00                              | 75.00 | 249    | 0                   | 2,083                 | 1,282               | 3,776          |
| 111+00     | 11100.00     | 50.00    | 118.79    | 45.00                               | 0.00                              | 75.00 | 225    | 0                   | 2,263                 | 1,393               | 4,057          |
| 111+50     | 11150.00     | 50.00    | 0.00      | 45.00                               | 0.00                              | 75.00 | 110    | 0                   | 2,444                 | 1,504               | 4,223          |
| 112+00     | 11200.00     | 50.00    | 107.30    | 45.00                               | 0.00                              | 75.00 | 99     | 0                   | 2,625                 | 1,615               | 4,378          |
| 112+50     | 11250.00     | 50.00    | 102.53    | 45.00                               | 0.03                              | 75.00 | 194    | 0                   | 2,805                 | 1,726               | 4,628          |
| 113+00     | 11300.00     | 50.00    | 88.60     | 45.00                               | 0.49                              | 75.00 | 177    | 0                   | 2,986                 | 1,838               | 4,861          |
| 113+50     | 11350.00     | 50.00    | 54.02     | 45.00                               | 1.06                              | 75.00 | 132    | 1                   | 3,167                 | 1,949               | 5,048          |
| 113+51.88  | 11351.88     | 1.88     | 52.14     | 45.00                               | 1.43                              | 2.82  | 4      | 0                   | 3,171                 | 1,951               | 5,052          |
| 113+55     | 11355.00     | 3.12     | 49.07     | 45.00                               | 2.39                              | 4.68  | 6      | 0                   | 3,171                 | 1,951               | 5,053          |
| 113+60     | 11360.00     | 5.00     | 45.07     | 45.00                               | 2.55                              | 7.50  | 9      | 0                   | 3,172                 | 1,952               | 5,055          |
| 113+65     | 11365.00     | 5.00     | 44.63     | 45.00                               | 3.19                              | 7.50  | 8      | 1                   | 3,173                 | 1,953               | 5,055          |
| 113+70     | 11370.00     | 5.00     | 45.36     | 45.00                               | 5.37                              | 7.50  | 8      | 1                   | 3,175                 | 1,954               | 5,054          |
| 113+75     | 11375.00     | 5.00     | 47.68     | 45.00                               | 3.84                              | 7.50  | 9      | 1                   | 3,176                 | 1,954               | 5,055          |
| 113+80     | 11380.00     | 5.00     | 47.80     | 45.00                               | 2.44                              | 7.50  | 9      | 1                   | 3,177                 | 1,955               | 5,056          |
| 113+85     | 11385.00     | 5.00     | 46.03     | 45.00                               | 2.53                              | 7.50  | 9      | 0                   | 3,179                 | 1,956               | 5,058          |
| 113+90     | 11390.00     | 5.00     | 47.15     | 45.00                               | 2.53                              | 7.50  | 9      | 0                   | 3,180                 | 1,957               | 5,060          |
| 113+95     | 11395.00     | 5.00     | 50.27     | 45.00                               | 2.44                              | 7.50  | 9      | 0                   | 3,181                 | 1,958               | 5,062          |
| 114+00     | 11400.00     | 5.00     | 54.51     | 45.00                               | 2.37                              | 7.50  | 10     | 0                   | 3,182                 | 1,958               | 5,065          |
| 114+05     | 11405.00     | 5.00     | 59.02     | 45.00                               | 2.17                              | 7.50  | 11     | 0                   | 3,184                 | 1,959               | 5,069          |
| 114+10     | 11410.00     | 5.00     | 65.10     | 45.00                               | 1.95                              | 7.50  | 11     | 0                   | 3,185                 | 1,960               | 5,073          |
| 114+15     | 11415.00     | 5.00     | 66.60     | 45.00                               | 2.52                              | 7.50  | 12     | 0                   | 3,186                 | 1,961               | 5,078          |
| 114+20     | 11420.00     | 5.00     | 68.98     | 45.00                               | 3.52                              | 7.50  | 13     | 1                   | 3,188                 | 1,962               | 5,083          |
| 114+20.804 | 11420.80     | 0.80     | 68.03     | 45.00                               | 3.61                              | 1.21  | 2      | 0                   | 3,188                 | 1,962               | 5,084          |
| 114+50     | 11450.00     | 29.20    | 71.84     | 45.00                               | 1.87                              | 43.79 | 76     | 4                   | 3,219                 | 1,981               | 5,131          |
| 115+00     | 11500.00     | 50.00    | 84.16     | 45.00                               | 1.03                              | 75.00 | 144    | 4                   | 3,362                 | 2,069               | 5,298          |

Addendum No. 02  
ID 2718-04-71  
Revised Sheet 378  
February 2, 2022





Addendum No. 02  
ID 2718-04-71  
Revised Sheet 382  
February 2, 2022

| STATION    | REAL STATION | DISTANCE | AREA (SF)                           |      | INCREMENTAL VOL (CY) (UNADJUSTED) |                                     |      | CUMULATIVE VOL (CY) |               |                       |                       |                     |              |
|------------|--------------|----------|-------------------------------------|------|-----------------------------------|-------------------------------------|------|---------------------|---------------|-----------------------|-----------------------|---------------------|--------------|
|            |              |          | CUT                                 | FILL | EBS                               | CUT                                 | FILL | EBS                 | CUT           | EXPANDED FILL         | EXPANDED EBS BACKFILL | REDUCED EBS IN FILL | MASS ORDNATE |
|            |              |          | SALVAGED/UNUSABLE PAVEMENT MATERIAL |      |                                   | SALVAGED/UNUSABLE PAVEMENT MATERIAL |      |                     | EXPANDED FILL | EXPANDED EBS BACKFILL | REDUCED EBS IN FILL   | MASS ORDNATE        |              |
|            |              |          | NOTE 1                              |      |                                   | NOTE 2                              |      |                     | NOTE 3        |                       | NOTE 5                | NOTE 7              | NOTE 8       |
| 400+25     | 40025.00     | 0.00     | 26.41                               | 0.00 | 0.00                              | 0                                   | 0    | 0                   | 0             | 0                     | 0                     | 0                   | 0            |
| 400+30     | 40030.00     | 5.00     | 61.52                               | 0.00 | 4.40                              | 8                                   | 6    | 0                   | 0             | 0                     | 8                     | 0                   | 2            |
| 400+35     | 40035.00     | 5.00     | 94.92                               | 0.00 | 4.40                              | 14                                  | 6    | 0                   | 1             | 22                    | 0                     | 1                   | 11           |
| 400+40     | 40040.00     | 5.00     | 126.39                              | 0.00 | 4.40                              | 20                                  | 6    | 0                   | 1             | 42                    | 0                     | 3                   | 26           |
| 400+45     | 40045.00     | 5.00     | 137.07                              | 0.00 | 4.40                              | 24                                  | 6    | 0                   | 1             | 66                    | 0                     | 4                   | 45           |
| 400+50     | 40050.00     | 5.00     | 147.17                              | 0.00 | 4.40                              | 26                                  | 6    | 0                   | 1             | 92                    | 0                     | 5                   | 66           |
| 400+55     | 40055.00     | 5.00     | 141.08                              | 0.00 | 4.40                              | 27                                  | 6    | 0                   | 1             | 119                   | 0                     | 7                   | 88           |
| 400+60     | 40060.00     | 5.00     | 127.90                              | 0.00 | 4.40                              | 25                                  | 6    | 0                   | 1             | 144                   | 0                     | 8                   | 108          |
| 400+65     | 40065.00     | 5.00     | 119.50                              | 0.00 | 4.40                              | 23                                  | 6    | 0                   | 1             | 167                   | 0                     | 9                   | 126          |
| 400+70     | 40070.00     | 5.00     | 110.43                              | 0.00 | 4.40                              | 21                                  | 6    | 0                   | 1             | 188                   | 0                     | 10                  | 142          |
| 400+75     | 40075.00     | 5.00     | 106.76                              | 0.00 | 4.40                              | 20                                  | 6    | 0                   | 1             | 208                   | 0                     | 12                  | 157          |
| 400+78.857 | 40078.86     | 3.86     | 101.29                              | 0.00 | 3.39                              | 15                                  | 4    | 0                   | 1             | 223                   | 0                     | 13                  | 169          |
| 401+00     | 40100.00     | 21.14    | 84.20                               | 0.00 | 18.61                             | 73                                  | 24   | 0                   | 9             | 296                   | 0                     | 25                  | 227          |
| 401+50     | 40150.00     | 50.00    | 74.01                               | 0.00 | 44.00                             | 146                                 | 57   | 0                   | 58            | 442                   | 0                     | 100                 | 374          |
| 402+00     | 40200.00     | 50.00    | 73.15                               | 0.00 | 44.00                             | 136                                 | 57   | 0                   | 81            | 578                   | 0                     | 205                 | 534          |
| 402+48.22  | 40248.22     | 48.22    | 0.00                                | 0.00 | 42.43                             | 65                                  | 55   | 0                   | 77            | 643                   | 0                     | 306                 | 621          |
|            |              |          | COLUMN TOTALS                       |      |                                   | 643                                 | 257  | 0                   | 235           |                       |                       |                     |              |

Notes:

1 - CUT

2 - SALVAGED/UNUSABLE PAV

3 - FILL

4 - EXPANDED MARSH BACKFILL

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL

THIS DOES NOT SHOW UP IN CROSS SECTIONS

DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

EXPANDED FILL FACTOR - 1.25

EXPANDED FILL=UNEXPANDED FILL\*FILL FACTOR

A SOIL EXPANSION FACTOR OF 1.25 WAS USED TO GENERATE ESTIMATED EARTHWORK QUANTITIES. DUE TO POTENTIAL SOIL VARIABILITY, ACTUAL QUANTITIES MAY VARY

NO QUANTITY ADJUSTMENTS WILL BE MADE FOR DIFFERING SOIL EXPANSION FACTORS ENCOUNTERED IN THE FIELD.

Addendum No. 02  
ID 2718-04-71  
Revised Sheet 384  
February 2, 2022

| STATION    | REAL STATION | DISTANCE | AREA (SF) |  | INCREMENTAL VOL. (CY) (UNADJUSTED) |        | CUMULATIVE VOL. (CY) |               |                       |                     |              |
|------------|--------------|----------|-----------|--|------------------------------------|--------|----------------------|---------------|-----------------------|---------------------|--------------|
|            |              |          | CUT       | SALVAGED/UNUSABLE<br>PAVEMENT MATERIAL | FILL                               | EBS    | CUT                  | EXPANDED FILL | EXPANDED EBS BACKFILL | REDUCED EBS IN FILL | MASS ORDNATE |
|            |              |          | NOTE 1    | NOTE 2                                 | NOTE 3                             | NOTE 3 | NOTE 1               | 1.25          | 1.30                  | NOTE 7              | NOTE 8       |
| 600+18.376 | 60018.38     | 0.00     | 41.36     | 37.33                                  | 0.00                               | 0.00   | 0                    | 0             | 0                     | 0                   | 0            |
| 600+50     | 60050.00     | 31.62    | 84.94     | 37.33                                  | 0.01                               | 29.09  | 74                   | 0             | 22                    | 14                  | 47           |
| 601+00     | 60100.00     | 50.00    | 88.31     | 37.33                                  | 0.00                               | 46.00  | 160                  | 0             | 70                    | 113                 | 208          |
| 601+50     | 60150.00     | 50.00    | 90.39     | 37.33                                  | 0.00                               | 46.00  | 165                  | 0             | 224                   | 138                 | 389          |
| 602+00     | 60200.00     | 50.00    | 92.14     | 37.33                                  | 0.04                               | 46.00  | 169                  | 0             | 334                   | 206                 | 574          |
| 602+41.039 | 60241.04     | 41.04    | 88.15     | 37.33                                  | 1.07                               | 37.76  | 137                  | 1             | 417                   | 257                 | 717          |
| 602+45     | 60245.00     | 3.96     | 89.71     | 37.33                                  | 0.97                               | 3.64   | 13                   | 0             | 421                   | 259                 | 728          |
| 602+50     | 60250.00     | 5.00     | 92.50     | 37.33                                  | 0.44                               | 4.60   | 17                   | 0             | 423                   | 260                 | 739          |
| 602+55     | 60255.00     | 5.00     | 91.78     | 37.33                                  | 0.21                               | 4.60   | 7                    | 0             | 424                   | 261                 | 750          |
| 602+60     | 60260.00     | 5.00     | 91.49     | 37.33                                  | 0.00                               | 4.60   | 17                   | 0             | 425                   | 262                 | 761          |
| 602+65     | 60265.00     | 5.00     | 87.07     | 37.33                                  | 0.00                               | 4.60   | 17                   | 0             | 426                   | 262                 | 772          |
| 602+70     | 60270.00     | 5.00     | 67.02     | 37.33                                  | 0.00                               | 4.60   | 14                   | 0             | 428                   | 263                 | 780          |
| 602+75     | 60275.00     | 5.00     | 37.49     | 37.33                                  | 0.00                               | 4.60   | 10                   | 0             | 429                   | 264                 | 784          |
| 602+80     | 60280.00     | 5.00     | 6.83      | 37.33                                  | 0.00                               | 4.60   | 4                    | 0             | 430                   | 265                 | 782          |
| 603+30     | 60330.00     | 50.00    | 21.70     | 37.33                                  | 0.00                               | 46.00  | 26                   | 0             | 491                   | 302                 | 786          |
| 603+35     | 60335.00     | 5.00     | 42.03     | 37.33                                  | 0.00                               | 4.60   | 6                    | 0             | 498                   | 306                 | 790          |
| 603+40     | 60340.00     | 5.00     | 58.73     | 37.33                                  | 0.00                               | 4.60   | 9                    | 0             | 501                   | 307                 | 793          |
| 603+45     | 60345.00     | 5.00     | 74.63     | 37.33                                  | 0.00                               | 4.60   | 12                   | 0             | 501                   | 308                 | 799          |
| 603+50     | 60350.00     | 5.00     | 80.74     | 37.33                                  | 0.00                               | 4.60   | 14                   | 0             | 502                   | 309                 | 807          |
| 603+55     | 60355.00     | 5.00     | 87.37     | 37.33                                  | 0.00                               | 4.60   | 16                   | 0             | 503                   | 310                 | 817          |
| 603+60     | 60360.00     | 5.00     | 90.04     | 37.33                                  | 0.08                               | 4.60   | 16                   | 0             | 504                   | 310                 | 827          |
| 603+65     | 60365.00     | 5.00     | 88.01     | 37.33                                  | 0.20                               | 4.60   | 16                   | 0             | 506                   | 311                 | 837          |
| 603+70     | 60370.00     | 5.00     | 85.47     | 37.33                                  | 0.59                               | 4.60   | 16                   | 0             | 507                   | 312                 | 847          |
| 603+75     | 60375.00     | 5.00     | 83.60     | 37.33                                  | 2.04                               | 4.60   | 16                   | 0             | 508                   | 313                 | 857          |
| 604+00     | 60400.00     | 25.00    | 90.11     | 37.33                                  | 0.00                               | 23.00  | 80                   | 1             | 525                   | 323                 | 914          |
| 604+50     | 60450.00     | 50.00    | 91.54     | 37.33                                  | 0.73                               | 46.00  | 168                  | 1             | 608                   | 374                 | 1,075        |
| 604+54.452 | 60454.45     | 4.45     | 91.52     | 37.33                                  | 0.60                               | 4.10   | 15                   | 0             | 614                   | 378                 | 1,088        |
| 604+55     | 60455.00     | 0.55     | 91.43     | 37.33                                  | 0.54                               | 0.50   | 2                    | 0             | 614                   | 378                 | 1,089        |
| 604+60     | 60460.00     | 5.00     | 90.63     | 37.33                                  | 1.34                               | 4.60   | 17                   | 0             | 614                   | 378                 | 1,099        |
| 604+65     | 60465.00     | 5.00     | 88.29     | 37.33                                  | 1.84                               | 4.60   | 17                   | 0             | 615                   | 378                 | 1,110        |
| 604+70     | 60470.00     | 5.00     | 90.32     | 37.33                                  | 0.11                               | 4.60   | 16                   | 0             | 616                   | 379                 | 1,120        |
| 604+75     | 60475.00     | 5.00     | 94.70     | 37.33                                  | 0.00                               | 4.60   | 16                   | 0             | 618                   | 380                 | 1,130        |
| 604+80     | 60480.00     | 5.00     | 94.70     | 37.33                                  | 0.00                               | 4.60   | 17                   | 0             | 619                   | 381                 | 1,141        |
| 604+85     | 60485.00     | 5.00     | 93.90     | 37.33                                  | 0.00                               | 4.60   | 17                   | 0             | 620                   | 382                 | 1,152        |
| 604+90     | 60490.00     | 5.00     | 90.03     | 37.33                                  | 0.00                               | 4.60   | 17                   | 0             | 621                   | 382                 | 1,163        |
| 604+95     | 60495.00     | 5.00     | 83.42     | 37.33                                  | 0.00                               | 4.60   | 16                   | 0             | 623                   | 383                 | 1,173        |
| 605+00     | 60500.00     | 5.00     | 76.90     | 37.33                                  | 0.00                               | 4.60   | 15                   | 0             | 624                   | 384                 | 1,182        |
| 605+05     | 60505.00     | 5.00     | 81.36     | 37.33                                  | 0.00                               | 4.60   | 15                   | 0             | 625                   | 385                 | 1,191        |
| 605+10     | 60510.00     | 5.00     | 88.52     | 37.33                                  | 0.00                               | 4.60   | 16                   | 0             | 627                   | 386                 | 1,201        |
| 605+15     | 60515.00     | 5.00     | 95.23     | 37.33                                  | 0.00                               | 4.60   | 17                   | 0             | 628                   | 386                 | 1,212        |

PROJECT NO: 2718-04-71

HWY: W. ST PAUL AVENUE

COUNTY: WAUKESHA

EARTHWORK

SHEET 384

E

FILE NAME: C:\PROJECTS\02\2022\_ST PAUL ST\DWG\2718-04-01\UHEITSPLA\082000-ENK.DWG  
LAYOUT NAME: -08  
PLOT DATE: 1/31/2022 5:50 PM  
PLOT BY: CRAIG AUSEN  
PLOT NAME:   
PLOT SCALE: 1 IN=30 FT HORIZ. / 1 IN=4 FT VERT.

WISDOT/CADDS SHEET 49



Addendum No. 02  
ID 2718-04-71  
Revised Sheet 386  
February 2, 2022

| STATION    | REAL STATION | DISTANCE | AREA [SF] |      | INCREMENTAL VOL (CY) (UNADJUSTED) |      | CUMULATIVE VOL (CY) |                       |                     |              |
|------------|--------------|----------|-----------|------|-----------------------------------|------|---------------------|-----------------------|---------------------|--------------|
|            |              |          | CUT       | FILL | EBS                               | FILL | EXPANDED FILL       | EXPANDED EBS BACKFILL | REDUCED EBS IN FILL | MASS ORDNATE |
| 705+00     | 70500.00     | 0.00     | 0.00      | 0.00 | 0.00                              | 0    | 0                   | 0                     | 0                   | 0            |
| 705+00.512 | 70500.51     | 0.51     | 44.50     | 0.00 | 0.41                              | 0    | 0                   | 0                     | 0                   | 0            |
| 705+05     | 70505.00     | 4.49     | 72.27     | 0.00 | 3.59                              | 0    | 0                   | 0                     | 0                   | 7            |
| 705+10     | 70510.00     | 5.00     | 72.69     | 0.24 | 4.00                              | 3    | 0                   | 1                     | 1                   | 18           |
| 705+15     | 70515.00     | 5.00     | 68.50     | 0.37 | 4.00                              | 3    | 0                   | 1                     | 2                   | 29           |
| 705+20     | 70520.00     | 5.00     | 70.38     | 0.56 | 4.00                              | 3    | 0                   | 1                     | 2                   | 40           |
| 705+25     | 70525.00     | 5.00     | 76.35     | 0.43 | 4.00                              | 3    | 0                   | 1                     | 3                   | 52           |
| 705+30     | 70530.00     | 5.00     | 73.16     | 0.00 | 4.00                              | 3    | 0                   | 1                     | 4                   | 64           |
| 705+35     | 70535.00     | 5.00     | 63.70     | 0.00 | 4.00                              | 3    | 0                   | 1                     | 5                   | 75           |
| 705+40     | 70540.00     | 5.00     | 50.70     | 0.00 | 4.00                              | 3    | 0                   | 1                     | 6                   | 84           |
| 705+45     | 70545.00     | 5.00     | 33.95     | 0.00 | 4.00                              | 3    | 0                   | 1                     | 7                   | 90           |
| 705+50     | 70550.00     | 5.00     | 19.28     | 0.00 | 4.00                              | 3    | 0                   | 1                     | 8                   | 93           |
| 705+55     | 70555.00     | 5.00     | 3.92      | 0.00 | 4.00                              | 2    | 0                   | 1                     | 8                   | 93           |
|            |              |          | TOTALS    |      | 0                                 | 33   | 0                   | 10                    |                     |              |

Notes:

1 - CUT

2 - SALVAGED/UNUSABLE PAV THIS DOES NOT SHOW UP IN CROSS SECTIONS

3 - FILL

4 - EXPANDED MARSH BACKFILL

EXPANDED FILL FACTOR - 1.25

EXPANDED FILL=UNEXPANDED FILL\*FILL FACTOR

A SOIL EXPANSION FACTOR OF 1.25 WAS USED TO GENERATE ESTIMATED EARTHWORK QUANTITIES. DUE TO POTENTIAL SOIL VARIABILITY, ACTUAL QUANTITIES MAY VARY

NO QUANTITY ADJUSTMENTS WILL BE MADE FOR DIFFERING SOIL EXPANSION FACTORS ENCOUNTERED IN THE FIELD.



## Proposal Schedule of Items

Page 3 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description                               | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0060                 | 415.0095<br>Concrete Pavement 9 1/2-Inch          | 15,635.000<br>SY               | _____.     | _____.     |
| 0062                 | 415.0410<br>Concrete Pavement Approach Slab       | 380.000<br>SY                  | _____.     | _____.     |
| 0064                 | 415.4100<br>Concrete Pavement Joint Filling       | 15,635.000<br>SY               | _____.     | _____.     |
| 0066                 | 416.0170<br>Concrete Driveway 7-Inch              | 590.000<br>SY                  | _____.     | _____.     |
| 0068                 | 416.0180<br>Concrete Driveway 8-Inch              | 95.000<br>SY                   | _____.     | _____.     |
| 0070                 | 416.0620<br>Drilled Dowel Bars                    | 86.000<br>EACH                 | _____.     | _____.     |
| 0072                 | 455.0605<br>Tack Coat                             | 86.000<br>GAL                  | _____.     | _____.     |
| 0074                 | 460.2000<br>Incentive Density HMA Pavement        | 488.000<br>DOL                 | 1.00000    | 488.00     |
| 0076                 | 460.5223<br>HMA Pavement 3 LT 58-28 S             | 291.000<br>TON                 | _____.     | _____.     |
| 0078                 | 460.5225<br>HMA Pavement 5 LT 58-28 S             | 197.000<br>TON                 | _____.     | _____.     |
| 0080                 | 465.0125<br>Asphaltic Surface Temporary           | 580.000<br>TON                 | _____.     | _____.     |
| 0082                 | 520.8000<br>Concrete Collars for Pipe             | 18.000<br>EACH                 | _____.     | _____.     |
| 0084                 | 601.0407<br>Concrete Curb & Gutter 18-Inch Type D | 62.000<br>LF                   | _____.     | _____.     |
| 0086                 | 601.0409<br>Concrete Curb & Gutter 30-Inch Type A | 3,600.000<br>LF                | _____.     | _____.     |
| 0088                 | 601.0600<br>Concrete Curb Pedestrian              | 138.000<br>LF                  | _____.     | _____.     |
| 0090                 | 602.0405<br>Concrete Sidewalk 4-Inch              | 28,515.000<br>SF               | _____.     | _____.     |





## Proposal Schedule of Items

Page 5 of 16

Proposal ID: 20220208015 Project(s): 2718-04-71

Federal ID(s): WISC 2022167

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description                        | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|--|--------------------------------|------------|------------|
| 0118                 | 611.1005<br>Catch Basins 5-FT Diameter     | 6.000<br>EACH                  | _____.     | _____.     |
| 0120                 | 611.1006<br>Catch Basins 6-FT Diameter     | 3.000<br>EACH                  | _____.     | _____.     |
| 0122                 | 611.1230<br>Catch Basins 2x3-FT            | 25.000<br>EACH                 | _____.     | _____.     |
| 0124                 | 611.2004<br>Manholes 4-FT Diameter         | 3.000<br>EACH                  | _____.     | _____.     |
| 0126                 | 611.2005<br>Manholes 5-FT Diameter         | 6.000<br>EACH                  | _____.     | _____.     |
| 0128                 | 611.2006<br>Manholes 6-FT Diameter         | 3.000<br>EACH                  | _____.     | _____.     |
| 0130                 | 611.2007<br>Manholes 7-FT Diameter         | 1.000<br>EACH                  | _____.     | _____.     |
| 0132                 | 611.8105<br>Adjusting Catch Basin Covers   | 2.000<br>EACH                  | _____.     | _____.     |
| 0134                 | 611.8110<br>Adjusting Manhole Covers       | 4.000<br>EACH                  | _____.     | _____.     |
| 0136                 | 619.1000<br>Mobilization                   | 1.000<br>EACH                  | _____.     | _____.     |
| 0138                 | 623.0200<br>Dust Control Surface Treatment | 16,000.000<br>SY               | _____.     | _____.     |
| 0140                 | 624.0100<br>Water                          | 800.000<br>MGAL                | _____.     | _____.     |
| 0142                 | 625.0100<br>Topsoil                        | 3,370.000<br>SY                | _____.     | _____.     |
| 0144                 | 627.0200<br>Mulching                       | 91.000<br>SY                   | _____.     | _____.     |
| 0146                 | 628.1504<br>Silt Fence                     | 957.000<br>LF                  | _____.     | _____.     |
| 0148                 | 628.1520<br>Silt Fence Maintenance         | 957.000<br>LF                  | _____.     | _____.     |
| 0150                 | 628.1905<br>Mobilizations Erosion Control  | 21.000<br>EACH                 | _____.     | _____.     |

