

**HIGHWAY WORK PROPOSAL**

Proposal Number: **25**

Wisconsin Department of Transportation  
 DT1502 10/2010 s.66.29(7) Wis. Stats.

<u>COUNTY</u>	<u>STATE PROJECT ID</u>	<u>FEDERAL PROJECT ID</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Marinette	9995-03-61		City of Marinette, Lift Structure Odgen Street Bridge, B-38-16 Menominee River 84.10	Local Street

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

Proposal Guaranty Required, \$ 75,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Due Date: April 11, 2017 Time (Local Time): 9:00 AM	Firm Name, Address, City, State, Zip Code  <div style="text-align: center; font-size: 2em; font-weight: bold;">SAMPLE</div> <div style="text-align: center; font-size: 1.5em; font-weight: bold;">NOT FOR BIDDING PURPOSES</div> This contract is exempt from federal oversight.
Contract Completion Time March 31, 2018	
Assigned Disadvantaged Business Enterprise Goal <div style="text-align: right; font-size: 1.5em; font-weight: bold;">0%</div>	

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

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

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

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

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

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

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

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

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

Notary Seal

**For Department Use Only**

Type of Work	
Repainting structural steel, concrete repairs, machinery and electrical rehabilitation and other miscellaneous structural repairs.	
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:  
<http://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 P.M. local time on the Thursday before the letting. Check the department's web site after 5:00 P.M. 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 P.M. 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:  
<http://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

or by calling the department at (608) 266-1631. Addenda can ONLY be obtained from the departments web site listed above or by picking up the addenda at the Bureau of Highway Construction, Room 601, 4802 Sheboygan Avenue, 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<sup>TM</sup> web site.
  2. Use Expedite<sup>TM</sup> software to enter a unit price for every item in the schedule of items.
  3. Submit the bid according to the requirements of Expedite<sup>TM</sup> software and the Bid Express<sup>TM</sup> 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<sup>TM</sup> web site reflecting the latest addenda posted on the department's web site at:  
<http://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

Use Expedite<sup>TM</sup> 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<sup>TM</sup> 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<sup>TM</sup> 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<sup>TM</sup> 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<sup>TM</sup> generated schedule of items is the governing contract document and must conform to the requirements of section 102 of the standard specifications. If a printout needs to be altered, cross out the printed information with ink or typewriter and enter the new information and initial it in ink. If there is a discrepancy between the printout and the diskette or CD ROM, the department will analyze the bid using the printout information.

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

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

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

**PROPOSAL BID BOND**

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

**PRINCIPAL**

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

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

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

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

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

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

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

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

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

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

**NOTARY FOR PRINCIPAL**

**NOTARY FOR SURETY**

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

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

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

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

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

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

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

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

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

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

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

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

**Notary Seal**

**Notary Seal**

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





# CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

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

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





**DECEMBER 2000**

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

Instructions for Certification

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

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

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

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

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

## Special Provisions

### Table of Contents

Article	Description	Page #
1.	General.....	2
2.	Scope of Work.....	2
3.	Prosecution and Progress.....	2
4.	Traffic.....	4
5.	Holiday Work Restrictions.....	6
6.	Environmental Protection, Aquatic Exotic Species Control.....	7
7.	Construction Over or Adjacent to Navigable Waters.....	8
8.	Utilities.....	8
9.	Coordination with US Coast Guard.....	9
10.	Coordination with the Wisconsin Department of Natural Resources.....	10
11.	Control of the Work.....	11
12.	Notice to Contractor, Asbestos Containing Materials on Structure.....	12
13.	Contractor Responsibility.....	13
14.	Notice to Contractor – B-38-16 Lead Paint.....	14
15.	Coordination with Businesses and Residents.....	15
16.	Structure Repainting General.....	15
17.	Structure Repainting Recycled Abrasive B-38-0016, Item 517.1800.S.01.....	16
18.	Labeling and Disposal of Waste Material.....	19
19.	Negative Pressure Containment and Collection of Waste Materials, B-38-0016, Item 517.4500.S.01.....	21
20.	Portable Decontamination Facility B-38-0016, Item 517.6001.S.01.....	23
21.	Waterseal Joint, Item SPV.0090.01.....	24
22.	Curb Repair Special, Item SPV.0090.02.....	25
23.	Sidewalk Repair, SPV.0105.01.....	26
24.	Enclosures and Seals, SPV.0105.02.....	27
25.	Machinery Rehabilitation, Item SPV.0105.03.....	28
26.	Electrical Work, Item SPV.0105.04.....	42

## **SPECIAL PROVISIONS**

### **1. General.**

Perform the work under this construction contract for Project 9995-03-61, City of Marinette, Lift Structure, Ogden Street Bridge, B-38-16 Menominee River 84.10, Local Street, Marinette 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, 2017 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 (20160607)

### **2. Scope of Work.**

The work under this contract shall consist of repainting the structural steel, concrete surface repairs, replacing translucent sheeting in the machinery rooms, modification of the existing tail lock assembly, removal of existing fluid power equipment for the existing tail locks, refurbishing of the existing span drive motors, replacement of spherical bushings, and installation of new brakes; and other miscellaneous structural repairs and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

### **3. Prosecution and Progress.**

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

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

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

Prior to the beginning of construction operations submit a satisfactory schedule of operations to the engineer. Submit a specific plan for handling traffic; to include as a minimum the proposed schedule of operations and proposed methods of handling traffic. The plan shall include drawings indicating delineation of centerline, barricades, and traffic signs and



markings to be used. Submit revisions in traffic handling to the engineer for approval at least 48 hours in advance of making any changes in traffic operations.

Comply with all local ordinances that apply to operations, including those pertaining to working during nighttime work hours. Any ordinance variance by the municipality or required permits shall be furnished to the engineer, in writing, before performing such work.

### **Staging and Bridge Closure**

#### **Stage 1** - Sidewalk Repair, Curb Special Repair and Waterseal Joint Construction

Full closure of the lift bridge to navigational vessels is allowed for construction and concrete curing of the sidewalk repair, curb special repair and waterseal joint construction and is limited to a maximum of three consecutive weekdays Monday to Thursday. Contact the U.S. Coast Guard at least 30 days prior to starting any work that will affect the regular operating schedule of the bridge or require equipment in or over the water, including the use of snoopers type vehicles. This work will be authorized in a separate letter from the U.S. Coast Guard. Coordinate with the engineer and local navigational users at least 14 days prior to any closure of the bridge to navigation.

#### **Stage 2** - Bridge Painting and Mechanical / Electrical Rehabilitation

Full closure of the lift bridge to navigational vessels is allowed during the non-navigation season as allowed by the U.S. Coast Guard for construction of the Bridge Painting and Mechanical / Electrical Rehabilitation. Coordinate with engineer and local navigational users at least 14 days prior to any closure of the bridge to navigation on or after January 1, 2018.

### **Fish Spawning**

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

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

Fish (20090901)

### **Migratory Birds**

Swallow and other migratory birds' nests have been observed on or under the existing bridge. All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act.

The nesting season for swallows and other birds is usually between May 1 and August 30. Either prevent active nests from becoming established, or apply for a depredation permit from the US Fish and Wildlife Service for work that may disturb or destroy active nests. The need for a permit may be avoided by removing the existing bridge structure prior to nest occupation by birds, or clearing nests from all structures before the nests become active in early spring. As a last resort, prevent birds from nesting by installing a suitable netting device on the remaining structure prior to nesting activity. Include the cost for preventing nesting in the cost of Machinery Rehabilitation.

If additional construction activities beyond what was originally specified are required to complete the work, approval from the engineer, following coordination with WisDOT REC, is required prior to initiating these activities.

*Replace standard spec 108.10.2.2(1) as follows:*

- (1) The engineer will award a time extension for severe weather on calendar day and completion date contracts. Submit a request for severe weather days if the number of adverse weather days, as defined in standard spec 101.3, exceeds the anticipated number of adverse weather days tabulated below.

Total Anticipated Adverse Weather Days for Each Calendar Month listed below:

January	4
February	4
March	4

If the contractor fails to complete the work necessary to reopen Ogden Street to through traffic prior to 12:01 AM April 1, 2018, the department will assess the contractor liquidated damages according to standard spec 108.11. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

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

Do not proceed with any operation until all traffic control devices for such work are in the proper location.

If any bridge work will require the use of work barge and or falsework that will be in potential hazard to public navigation, appropriate safety signing, marking and lighting must be used according to U.S. Coast Guard standards and per the requirements of article "Construction Over or Adjacent to Navigable Waterway." The Ogden Street bridge is to remain operational based on the U.S. Coast Guard requirements for the during navigation season ending December 31.

#### **Allowed Road and Sidewalk Closure**

Close bridge to vehicular and pedestrian traffic in two stages. Detour traffic and close sidewalks as shown on the Detour Plan. Place advanced sidewalk closed ahead signs on each side of the bridge at the mid-block crossings. Maintain a minimum of one lane in each direction on the detour route at all times.

Stage 1

Repair sidewalk, repair curb special and waterseal joints. Close bridge to vehicular and pedestrian traffic for the minimum time necessary for the repairs.

Stage 2

Paint bridge and rehabilitate mechanical and electrical machinery. Close bridge to vehicular and pedestrian traffic for the minimum time necessary for the repairs.

Ogden Street Bridge may be reduced to one lane using flagging operations during working hours as allowed by the engineer. Flagging operations are not permitted between noon Friday to 9:00 PM, Sunday.

Coordinate with engineer 14 days prior to any closure.

**Emergency Access**

Maintain emergency access to the project area at all times.

**Wisconsin Lane Closure System Advance Notification**

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

**TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION**

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

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

stp-108-057 (20161130)

### **Clear Zone Working Restrictions**

Do not store materials or equipment within the clear zone of traffic lanes which are not protected by temporary precast barrier. Remove materials from the clear zone prior to opening lane closures. Do not leave any slopes steeper than 3:1 or any drop offs at the edge of the traveled way greater than 2 inches within the clear zone which are not protected by temporary precast barrier prior to opening lane closures.

Do not perform heavy equipment work in the median at any time unless protected by concrete barrier in both directions except as allowed during night work with lane closures.

Do not perform heavy equipment work within 18 feet of the edge of the traveled way unless protected by concrete barrier or a lane closure during the allowed closure periods.

Park equipment a minimum of 30-feet from the edge of the traveled way. Equipment may be parked in the median if it meets the minimum distance requirement from both traveled ways or if it is protected by concrete barrier.

If the contractor is unsure whether an individual work operation will meet the safety requirements for working within the clear zone, review the proposed work operation with the engineer before proceeding with the work.

(NER13-0507)

### **Portable Changeable Message Signs – Message Prior Approval**

After coordinating with department construction field staff, notify the Northeast Region Traffic Section at (920) 492-5641 (secondary contact number is (920) 492-7719) three business days prior to deploying or changing a message on a PCMS to obtain approval of the proposed message. The Northeast Region Traffic Unit will review the proposed message and either approve the message or make necessary changes.

## **5. Holiday Work Restrictions.**

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying Ogden 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 periods:

- From Noon Monday July 3, 2017 to 6:00 AM Wednesday, July 5, 2017 for Independence Day;
- From noon Friday, September 1, 2017 to 6:00 AM Tuesday, September 5, 2017; for Labor Day;
- From Noon Wednesday, November 22, 2017 to 6:00 AM Monday, November, 27, 2017 for Thanksgiving;
- From Noon Friday, December 22, 2017 to 6:00 AM Tuesday, December 26, 2017 for Christmas;
- From Noon Friday, December 29, 2017 to 6:00 AM Tuesday, January 2, 2018 for New Year's Day.

107-005

## 6. Environmental Protection, Aquatic Exotic Species Control.

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

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

Ensure that all equipment that has been in contact with waters of the state, or with infested or potentially infested waters, has been decontaminated for aquatic plant materials and zebra mussels prior to being used in other waters of the state. Before using equipment on this project, thoroughly disinfect all equipment that has come into contact with potentially infested waters. Use the following inspection and removal procedures (guidelines from the Wisconsin Department of Natural Resources [http://dnr.wi.gov/topic/fishing/documents/vhs/disinfection\\_protocols.pdf](http://dnr.wi.gov/topic/fishing/documents/vhs/disinfection_protocols.pdf) for disinfection:

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

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

107-055 (20130615)

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

*Add the following to standard spec 107.19:*

The Menominee River is classified as a navigable waterway.  
107-060 (20150630)

Submit a contingency plan to the engineer prior to the start of construction. Include the names and telephone numbers of personnel and a list of equipment that will be available to correct any navigation problems that may arise during non-working hours.

Provide industry accepted measures and precautions to prevent accidental dropping of debris, sparks, flames, lighted or other damaging objects onto boats and water users passing beneath the bridge.

Ensure the rights and safety of the navigating public. Place appropriate warning signs and buoys upstream and downstream of the project site. According to the U.S. Coast Guard Standards, place marker lights on all watercraft and equipment that will remain moored, anchored, or otherwise floating on the waterway between dusk and dawn. Sign, mark, or light all other potential navigation hazards associated with the project including, but not limited to, construction machinery, rigging, and temporary structures. Provide water space with horizontal and vertical clearances to allow for safe public navigation through the construction site at all times. Payment for this accommodation is considered incidental to the contract work.

If any construction activity requires the bascule leaf to remain in “open position” for extended period, the leaf shall be adequately braced and secured in “open position” independent of the operating machinery. “Extended period” is defined as leaving leaf in open position longer than WisDOT’s normal bridge operations for navigation purposes. The contractor shall secure services of an engineer, registered in Wisconsin, to design system and devices to brace and secure the leaf for wind forces, construction loads, and any other loading conditions anticipated while the leaf stays in “open position”. Submit proposed bracing and securing system and devices, sealed by the contractor’s engineer, to the engineer for review. It will, however, remain the contractor’s responsibility to ensure that the bascule leaf is adequately braced and secured in a safe manner during entire construction process.

## **8. Utilities.**

This contract does not come under the provision of Administrative Rule Trans 220. There are no utilities located within the project limits.  
107-065 (20080501)

## 9. Coordination with US Coast Guard.

For all bridges in this contract, any impact or deviation from permanent bridge opening requirements or any impacts to navigation, are authorized by the U.S. Coast Guard.

Coordinate with the U.S. Coast Guard at least 30 calendar days prior to the start of any work that temporarily alters the navigational clearances, places equipment in the waterway, or could potentially affect navigation during the project at any of the bridge sites. The U.S. Coast Guard contact is as follows:

Mr. Lee Soule  
Commander (DPB)  
Ninth Coast Guard District  
1240 East 9th Street  
Cleveland, OH 44199-2060  
[Lee.D.Soule@uscg.mil](mailto:Lee.D.Soule@uscg.mil)  
Office: (216) 902-6085  
Fax: (216) 902-6088

Contact the U.S. Coast Guard District informed of the schedule of work and provide any notifications prior to any change to the schedule. In addition, the name of the person who may be contacted on a 24-hour basis to respond to an emergency at the work site shall be provided.

Full closure of the lift bridges to navigational vessels will only be allowed during the non-navigation season between January 1 and March 31 or as allowed by the U.S. Coast Guard (USCG).

According to the provisions of Section 117.36 of Title 33 of the Code of Federal Regulations, authorization has been given to secure the bridge to masted navigation from January 1, 2018 through March 31, 2018. Vessels able to pass under the bridge without an opening may do so at any time. Scaffolding installation shall not extend more than 6-feet below low steel of the bridge. Display steady burning amber lights on the bottom and four corners of the scaffolding to warn mariners of the temporary reduction in vertical clearance at the bridge. Use of two 80 feet by 50 feet or smaller barges at the bridge is authorized. During nonworking hours the barges must be moored outside of the navigation channel and lighted according to the navigation rules. The permitted navigation lights on the bridge must remain in service and unobstructed at all times. Temporary lights of the same characteristics and in the same location as the permitted navigation lights may be used. The contractor shall utilize a spotter to warn bridge workers of approaching vessels and suspend work if needed.

The bridge is required to be returned to service without any restrictions no later than noon on April 1, 2018.

This authorization may be rescinded or revised at any time by Commander, Ninth Coast Guard District, should the needs of navigation change, or safety concerns arise. Comply with the requirements of other federal, state, or local agencies. Contact the USCG if any of the conditions of this project changes.

Information regarding the construction project and corresponding waterway restrictions will be published by the USCG in the Ninth Coast Guard District Broadcast and Local Notices to Mariners during the days leading up to and following the start of construction. These publications will also attempt to notify marine traffic that they must provide a 30-minute advance notice of their arrival to the bridge for passage to the contractor on VHF-FM Marine Radio Channel 16 or by calling the number provided to U.S. Coast Guard by the contractor. This 30-minute notice is intended to provide the contractor time to ready the construction site, bridge, and workers for safe passage of the vessel.

The information noted above provides only the basic coordination requirements, information, and concepts as it relates to the USCG. There may also be other detailed information and requirements provided by the USCG to the contractor as part of the necessary coordination process. The costs of all coordination and procedures required by the USCG and not covered by other items of the contract shall be included in the cost of the structure bid items for B-38-16.

## **10. Coordination with the Wisconsin Department of Natural Resources.**

The department has coordinated with the Wisconsin Department of Natural Resources (WDNR). The contractor will be required to obtain a Waterway Marker Permit from WDNR for placement of any *Danger*, *Information*, or *Navigation* (red, green, black/white or red/white striped) type buoys during construction. To place any type of Control buoy (such as *Slow-no-wake*) or a *Boats Prohibited* buoy requires a Waterway Marker Application and Permit, along with a local ordinance authorizing the placement of these types of buoys. Adequate time should be allowed for the passage of an ordinance with the local municipality. The general steps for submission of a Waterway Marker Application and Permit are as follows:

1. Please fill out the Waterway Marker Application and Permit form: <http://dnr.wi.gov/org/es/enforcement/DOCS/8700058.pdf>. The Department of Transportation should be listed as the applicant.
2. Be sure to include an aerial map-diagram or engineered-diagram of the work location and the placement of the waterway markers (buoys). If proposed GPS coordinates for each buoy are not provided, then markers placed on the diagram must show distance (in feet) from each marker location and from one permanent fixture as a benchmark.
3. Provide the completed application/permit to the local municipality(ies) having jurisdictional authority over the area in which the waterway markers will be placed. They will review your plan and provide a signature if they concur.



4. Forward the signed application/permit to the WDNR Boating Program Specialist:

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

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

5. A final permit approval letter and copy of the signed application/permit will be sent to IDOT and the contractor by the Recreational Boating Program Specialist.
6. If a local ordinance is also required, this should be submitted at the same time as the Waterway Marker Application and Permit. Helpful guidelines to assist you in this process can be obtained by reviewing the DNR Publication "Guidelines for Creating Local Boating Ordinances And Placing Waterway Markers In Wisconsin Waters", which can be obtained at:

<http://dnr.wi.gov/org/es/enforcement/docs/WaterwayManual2008.pdf>

The last page of this document also lists the contact information for the Regional Recreational Safety Warden, who is also available to assist with any questions.

## **11. Control of the Work.**

*Modify standard spec 105.11 as follows:*

### **105.11.1 Partial Acceptance**

*Replaced as follows:*

A 30-day "break-in" period for bridge operation is required prior to substantial completion. Partial acceptance of the bascule span will be required in order to initiate the "break-in" period. During the "break-in" period, the department will operate the bridge repeatedly every day and therefore the bridge may not be available for the contractor to cross the waterway. Immediately respond to any problems that may arise during this period.

The department will operate and maintain the bridge in a normal manner. The department will maintain (lubricate) the new tail lock machinery per the O&M instructions, maintain the remainder of the machinery per the department's usual procedures, and observe alignment of the new tail lock machinery in case adjustments need to be made.

Partial acceptance will be made only when all elements of work associated with the bascule span are completed. Those completed work elements will include:

1. All tail locks, span drive motors, machinery brakes, and motor brakes functional.
2. Operations and Maintenance Manuals submitted and accepted by the engineer.
3. Operator training.
4. Maintenance training.

### **105.11.2 Final Acceptance**

#### **105.11.2.3 Substantially Complete**

*Replace standard spec 105.11.2.3(1) with the following:*

The project is substantially complete and the engineer will no longer assess contract time if the bridge is ready for traffic and the contractor has completed all contract bid items and change order work and it has been demonstrated that the bridge functions without problems or defects for a period of 30 consecutive days under repeated use (“break-in” period). Adjustments, repairs, operating problems, reporting problems, defective equipment or incomplete final documentation will delay substantial completion. Problems deemed by the engineer to be significant, that limit the ability of the department to operate the bridge during the “break-in” period, will require that a new 30 day “break-in” period to be initiated.

Substantial completion will initiate a 12-month warranty period for the operation of the bridge that includes all materials, manufactured or fabricated components, workmanship and control system programs provided under this contract. The warranty period shall extend for a period of 12-months after the date of substantial completion but may be extended if the contractor fails to perform to the response time requirements of the warranty.

## **12. Notice to Contractor, Asbestos Containing Materials on Structure.**

James Gondek, License Number A11-108099, inspected Structure B-38-16 for asbestos on January 9, 2014. Regulated Asbestos Containing Material (RACM) was found on this structure in the following locations and quantities: operator house floor tile and window glazing.

A copy of the inspection report is available from: Paul R. Zoellner, (920) 492-0132. Locations of asbestos containing material are noted on the plan set. Do not disturb any asbestos containing material. Should asbestos containing material be disturbed, stop work immediately, notify the engineer, and the engineer will notify the department’s Bureau of Technical Services at (608) 266-1476 for an emergency response according to standard spec 107.24. Keep material wet until it is abated.

107-120 (20120615)

### **13. Contractor Responsibility.**

*Supplement standard spec 107.14 as follows:*

#### **Submittals**

1. Shop drawings shall be prepared and submitted for review as provided in standard spec 105.2 and as specified herein.
2. It is the contractor's responsibility to ensure that all shop details and data is submitted for approval in a timely manner.
3. Submittals that are not initialed as having been checked or obviously are not complete or are not clear and legible will not be accepted for review; the contractor will be notified that the subject submittals must be properly completed and resubmitted for review.
4. Ensure that all data submitted is printed on paper measuring 8 ½"x11", 11"x17" or 22"x34" as is appropriate. Where appropriate, individual sheets shall be bound into sets with a title sheet, and table of contents.
5. Each shop drawing shall carry the structure and project identification numbers, and the name and address of the fabricator, foundry, or manufacturer. The title sheet of each bound set shall carry the structure and project identification numbers, and the name and address of the supplier. Each sheet in a bound set shall clearly identify the product or products being used and carry the name of the manufacturer.
6. A unique drawing and/or sheet number shall be placed on each sheet so that similar items with subtle differences will not be confused with one another. When the engineer returns data to the contractor for revision and re-submission, mark each revised sheet with a revision number, indicating the number of times the sheet has been revised since the first submission and with the date of each revision. Each change on the sheet shall also be marked with the appropriate revision number, shown in a small triangle, placed next to the change.
7. Drawings or data sheets that contain information for items or options other than those intended for use on this project shall be clearly marked so as to indicate which items or options are proposed for use on this project. This may be done by lining or crossing out those items or options that do not apply, or by circling or highlighting those items or options that do apply. Whatever method is used must be done in a manner that clearly indicates which items apply to the project.

8. Each individual piece of equipment furnished for a particular item must be compatible with all the other equipment associated with the item. It is the responsibility of the contractor to make certain that all items furnished for the project are compatible and will perform the function indicated on the plans and within the specifications. Most of the equipment is specified by catalog number in order to establish the minimum requirements and special features needed for the project. Compatibility with other specified equipment is not guaranteed. It is the contractor's responsibility to verify the compatibility of all equipment before submitting it for review.

The engineer will review the submissions for compliance with the requirements of the special provisions, but not for compatibility. It is also the contractor's responsibility to determine that each item of equipment installed will perform according to the plans, special provisions and standard specifications.

9. Furnish complete product and shop detail data for review by the engineer. The data shall include, but not be limited to, the following:
  - a. Drawings marked to indicate the exact number of units, exact unit to be furnished and all of the equipment options to be furnished with the unit. Estimated net weights for each unit or assembly shall be shown near the title block.
  - b. Complete catalog data and specifications including the name of the manufacturer.
  - c. Complete installation and maintenance instructions.
  - d. Drawings and catalog data shall indicate the bid item name and number under which the contents are covered and shall include a statement that the unit submitted is in compliance with the plans and specifications.
10. Incomplete data will be returned without review or comment and shall be completed before re-submittal. It is the responsibility of the contractor to keep a record of all shop drawing transmittals and to maintain constant contact with all suppliers to obtain prompt re-submittal of drawings and data returned for correction and completion. Significant time lapses between the return and the resubmittal of data could delay the project and should be avoided.
11. Product samples shall be submitted where required by the various articles of the special provisions or the standard specifications.
12. Submit four copies of all shop drawings and other submittals for approval. One marked-up copy will be returned with comments.

#### **14. Notice to Contractor – B-38-16 Lead Paint.**

Steel components of bridge Structure B-38-16 may be covered with paint containing lead. Any work that may disturb the paint must follow all applicable state and federal regulations regulating lead and lead waste.

## **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 prior to the start of work under this contract and hold two meetings per month thereafter. The contractor shall arrange for a suitable location for the meeting(s) that provides reasonable accommodation for public involvement. The department will prepare and coordinate publication of the meeting notices and mailings for the meeting(s). The contractor shall schedule the meeting(s) with at least two weeks' prior notice to the engineer to allow for these notifications.

108-060 (20141107)

## **16. Structure Repainting General.**

### **A General**

#### **A.1 Inspection**

On all structures in this contract, notify the engineer of any missing or broken bolts or nuts, any missing or broken rivets, or of any cracks or flaws in the steel members while cleaning or painting.

#### **A.2 Date Painted**

At the completion of all painting work, stencil in black paint or contrasting color paint the date of painting the bridge. The numbers shall be three inches (75 mm) in height and shall show the month and year in which the painting was completed: e.g., 11-95 (November 1995). On each bridge painted, stencil the date at two locations. On truss bridges, stencil the date on the cover plates of end posts near and above the top of the railings at the oncoming traffic end. On steel girder bridges, stencil the date on the **inside** of the outside stringers at the abutments. The date on grade separation bridges shall be readable when going under the structure or at some equally visible surface near the ends of the bridge, as designated by the engineer.

#### **A.3 Graffiti Removal**

Remove any graffiti on concrete abutments, piers, pier caps, parapet railings, slope paving or any other location at the direction of the engineer. Use a brush sandblast to remove graffiti.

The above work will not be measured and paid for separately, but will be considered incidental to other items in the contract.

### **B (Vacant)**

## **C Construction**

### **C.1 Repainting Methods**

Do not perform blasting, cleaning and painting on days of high winds. Prevailing winds in excess of 15 mph (25 km/hr) shall be considered high winds.

Place the final field coat of paint on the exterior of the exterior beams as a continuous painting operation. Stop at splices, vertical stiffeners or other appropriate locations so that lap marks are not evident or noticeable.

Completely clean and remove spent abrasive and other waste materials resulting from the contractor's operation from bridge deck surfaces, gutter lines, drains, curbs, bridge seats, pier caps, slope paving, roadway below, and all structural members and assemblies.

### **C.2 Inspection**

*Add the following to standard spec 105.9:*

Furnish, erect and move scaffolding and other appropriate equipment to permit the inspector the opportunity to closely observe all affected surfaces. The scaffolding, with appropriate safety devices, shall meet the approval of the engineer.

517-005 (20150630)

## **17. Structure Repainting Recycled Abrasive B-38-0016, Item 517.1800.S.01.**

### **A Description**

This special provision describes surface preparation and painting of the metal surfaces according to the manufacturer's recommendations and as hereinafter provided.

### **A.1 Areas to be Cleaned and Painted**

All structural and non-structural metal surfaces of:

1. Structure B-38-16 Span 2, Span 3 and span 4 – 27,000 SF.

Areas are approximate and given for informational purposes only.

### **B Materials**

#### **B.1 Coating System**

Furnish a complete coating system from the department's approved list for "Structure Repainting Recycle Abrasive Structure". The color for the finish coating material shall match the color number shown on the plans according to Federal Standard Number 595B, as printed in 1989. Supply the engineer with the product data sheets for approval before any coating is applied. The product data sheets shall indicate the mixing and thinning directions, the recommended spray nozzles and pressures, and the minimum drying time between coats.

The color of the primer must be such that a definite contrast between it and the color of the blasted steel is readily apparent. There shall be a color contrast between all subsequent coats for the paint system selected. Submit color samples of the primer and all coats to the engineer for approval prior to any application of paint.

## **C Construction**

### **C.1 Surface Preparation**

Prior to blast cleaning, solvent clean all surfaces to be coated according to SSPC-SP1.

All metal surfaces must be blast cleaned according to SSPC-SP10 and verified prior to painting.

Upon completion of surface preparation, test representative surfaces, which were previously rusted (i.e. pitted steel) for the presence of residual chloride. Perform Surface Contamination Tests (SCAT) according to the manufacturer's recommendations. The tests must be witnessed by the engineer. If chlorides are detected at levels greater than  $7\mu\text{g}/\text{cm}^2$ , continue to clean the affected areas until results are below the specified limit. Submit anticipated testing frequencies and chloride remediation methods to the engineer for review and approval.

Apply the prime coat the same day that the metal surfaces receive the No. 10 blast or re-blast before application. Cleaned surfaces shall be of the specified condition immediately prior to paint application. If rust bloom occurs prior to applying the primer, stop the painting operation in the area of the rust bloom and re-blast and clean the area to SSPC SP-10 prior to applying the primer.

The steel grit and any associated equipment brought to the site and used for blast cleaning shall be clean. Remove immediately dirty grit or equipment brought to the site at no expense to the department. Furnish an abrasive that has a gradation such that it will produce a uniform surface profile between 1 to 3 mils on the steel surface, as measured according to ISO 8503-5.

The abrasive blasting and recovery system shall be a completely integrated self-contained system for abrasive blasting and recovery. It shall be an open blast and recovery system that will allow no emissions from the recovery operation. The recovery equipment shall be such that the amount of contaminants in the clean recycled steel grit shall be less than 1 percent by weight as per SSPC AB-2.

Remove by grinding all fins, tears, slivers, and burred or sharp edges that are present on any steel member, or that appear during the blasting operation, and re-blast the area to give a 1 to 3 mils surface profile.

Remove all spent material and paint residue from steel surfaces with a good commercial grade vacuum cleaner equipped with a brush-type cleaning tool, and test cleanliness according to ASTM D4285. The airline used for surface preparation shall have an in-line water trap and the air shall be free of oil and water as it leaves the airline.

Take care to protect freshly coated surfaces from subsequent blast cleaning operations. Thoroughly wire brush damaged primed surfaces with a non-rusting tool, or if visible rust occurs, re-blast to a near white condition. Clean and re-prime the brushed or blast cleaned surfaces according to this specification.

## **C.2 Coating Application**

Apply paint according to the manufacturer's recommendations in a neat workmanlike manner. Paint application shall normally be by airless spray or inaccessible areas by brush, roller or other methods approved by the engineer.

The engineer may allow the use of conventional spray equipment after satisfactory demonstration by the contractor of the proper application technique and handling of that equipment.

Mix the paint or coatings according to the manufacturer's directions to a smooth lump-free consistency. Keep paint thoroughly mixed during the painting application.

After the inspector approves the entire cleaned surface to be coated, apply a prime coat uniformly to the entire surface. Either before or after applying the prime coat, brush or spray a stripe coat of primer on all plate edges, bolt heads, nuts, and washers. Apply succeeding coats as the product data sheet shows.

Remove all dry spray by vacuuming, wiping, or sanding if necessary.

If the application of the coating at the required thickness in one coat produces runs, bubbles, or sags; apply a "mist-coating" in multiple passes of the spray gun; separate the passes by several minutes. Where excessive coating thickness produces "mud-cracking", remove such coating back to soundly bonded coating and re-coat the area to the required thickness.

The resultant paint film shall be smooth and uniform, without skips or areas of excessive paint according to SSPC PA1.

The coating is supplied for normal use without thinning. If in cool weather it is necessary to thin the coating for proper application, thin according to the manufacturer's recommendations.

During surface preparation and coating application the ambient and steel temperature shall be between 39 degrees F and 100 degrees F. The steel temperature shall be at least 5 degrees F above the dew point temperature. (This requires the steel to be dry and free of any condensation or ice regardless of the actual temperature of the steel.) The relative humidity shall not exceed 85%. The manufacturer's ambient condition requirements must be followed if they are more stringent.

Paint thickness shall be within the requirements for a three coat paint system listed in the department's approved list for Structure Repainting Recycle Abrasive Structure and the paint system being used.



Time to recoat shall be according to the manufacturer's recommendations.

The dry film thickness will be determined by use of a magnetic film thickness gage. The gage shall be calibrated for dry film thickness measurement according to SSPC-PA 2. Dry film thickness in each area measured will be based on an average of three gage readings, after calibration of the gage to account for surface profile of the bare steel as a result of surface preparation.

**D Measurement**

The department will measure Structure Repainting Recycled Abrasive (Structure) as a single complete lump sum unit of work, completed according to the contract and accepted.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
517.1800.S.01	Structure Repainting Recycled Abrasive B-38-0016	LS

Payment is full compensation for preparing and cleaning the designated surfaces; furnishing and applying the paint; and for providing the listed equipment.

**18. Labeling and Disposal of Waste Material.**

The EPA ID number for Structure B-38-16 is WID988635686.

Presently, the state has an exclusive mandatory use contract with a private waste management contractor to transport and dispose of hazardous waste.

The state's waste management contractor shall furnish and deliver appropriate hazardous waste containers and site-specific labels to each bridge site. The provided containers shall be placed at pre-selected drop-off and pick-up points at each bridge site, and these locations shall be determined at the preconstruction conference. The custody of the containers and labels shall be the responsibility of the painting contractor while they are at the job site.

Report all reportable spills and discharges according to the contingency plan.

Labels are site-specific. Check the labels to ensure that the project ID, structure number, and EPA ID match the structure generating the waste. Apply a label to each drum when it is opened for the first time. Fill in the date on the label the first day material is accumulated in the drum. The following page is an example of a properly filled-in label.

During paint removal operations, continuously monitor and notify the project inspector of the status of waste generation and quantity stored so that timely disposal can be arranged.  
517-055 (20100709)

HAZARDOUS WASTE  
WW-5257580999-001-01-0

# STORAGE LABEL

DOT SHIPPING DESCRIPTION

RQ, HAZARDOUS WASTE, SOLID, n.o.s.,  
(LEAD), 9, NA3077, III, (D008)

Enter the date that waste materials were first placed into the container

EPA CODE: E/D008 STATE: S  
WIP#: 391498  
WIP DESC: BRIDGE SAND WITH LEAD

DATE ACCUMULATED: 07/01/2005

HAZARDOUS WASTE – FEDERAL LAW PROHIBITS IMPROPER DISPOSAL IF FOUND, CONTACT THE NEAREST POLICE OR PUBLIC SAFETY AUTHORITY OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

WISC DOT BRIDGE # B-29-53/54  
I-94 OVER CTH H  
PROJECT # 5882-03-70  
CAMP DOUGLAS, WI 54618

(608) 963-0871

GENERATOR EPA ID  
WIR000121103

Project ID Number on label must match the Project Number assigned by the WIPOT

Bridge Number and Address on label must match specific bridge from which waste was generated.

EPA ID Number on label is specific to the bridge from which the waste is generated.

**19. Negative Pressure Containment and Collection of Waste Materials, B-38-0016, Item 517.4500.S.01.**

**A Description**

This special provision describes providing a dust collector to maintain a negative air pressure in the enclosure; furnishing and erecting enclosures as required to contain, collect and store waste material resulting from the preparation of steel surfaces for painting, and repainting, including collection of such waste material, and the labeling and storage of waste material in approved hazardous waste containers, all as hereinafter provided.

**B (Vacant)**

**C Construction**

Erect an enclosure to completely enclose (surround) the blasting operations. The ground, slope paving, or roadway cannot be used as the bottom of the enclosure unless covered by approved containment materials. So that there are no visible emissions to the air or ground or water, design, erect, operate, maintain and disassemble the enclosures in such a manner to effectively contain and collect dust and waste materials resulting from surface preparation and paint over spray. Suspend all enclosures over water from the structure or as approved by the engineer.

Enclosures are not allowed past the horizontal limits of the bridge dolphins.

Construct the enclosure of flexible materials such as tarpaulins or of rigid materials such as plywood, or of a combination of flexible and rigid materials and meet SSPC Guide 6 requirements with Level 1 emissions. Systems manufactured and provided by Eagle Industries, Detroit Tarps, or equal, are preferred. The tarpaulins shall be a non-permeable material, either as part of the tarp system or have a separate non-permeable lining. Maintain all materials free of tears, cuts or holes. The vertical sides of the enclosure shall extend from the bottom of the deck down to the level of the covered work platform or covered barge where used for structures over water, and shall be fastened securely to those levels to prevent the wind from lifting them. Bulkheads are required between beams to enclose the blasting area as approved by the engineer. Where bulkheads are required, construct them of plywood and properly seal them. To prevent spent materials and paint over spray from escaping the enclosed area, overlap and fasten together all seams. Place groundcovers under all equipment prior to operations or as approved by the engineer.

To allow proper cleaning, inspection of structures or equipment, and painting, provide safe adequate artificial lighting in areas where natural light is inadequate.

Provide a dust collector so that there are no visible emissions outside of the enclosure and so that a negative air pressure inside the enclosure is maintained. The dust collector shall be sized to maintain the minimum air flow based on the cross-sectional area of the enclosure.

A combination of positive air input and negative air pressure may be needed to maintain the minimum airflow within the enclosure.

Filter all air exhausted from the enclosure to create a negative pressure within the enclosure so as to remove all hazardous and other particulate matter.

After all debris has been removed and all painting has been approved in the containment area is complete, remove containment according to SSPC Guide 6.

As a safety factor for structures over water, provide for scum control. Provide a plan for corrective measures to mitigate scum forming and list the procedures, labor and equipment needed to assure compliance. Effectively contain the scum that forms on the water and does not sink in place from moving upstream or downstream by the use of floating boom devices.

If in the use of floating boom devices the scum tends to collect at the devices, contain, collect, store the scum, and do not allow it to travel upstream or downstream beyond the devices. Remove the scum at least once a day or more often if needed.

Collect and store at the bridge site for disposal all waste material or scum collected by this operation, or any that may have fallen onto the ground tarps. Collect and store all waste material and scum at the end of each workday or more often if needed. Storage shall be in provided hazardous waste containers. Label each container as it is filled, using the labels provided by the Hazardous Waste Disposal contractor. Check the label and ensure that the project ID, bridge number and EPA ID match the structure. Fill in the generation date when the first material is placed in the container. Secure all containers at the end of each workday. Keep the containers covered at all times except to add or remove waste material. Store the containers in an accessible and secured area, not located in a storm water runoff course, flood plain, or exposed to standing water.

In a separate operation, recover the recyclable abrasive for future application, and collect the paint and/or corrosion particles for disposal.

**D Measurement**

The department will measure Negative Pressure Containment and Collection of Waste Materials (Structure) as a single complete lump sum unit of work for each structure designated in the contract, completed according to the contract and accepted,.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
517.4500.S.01	Negative Pressure Containment and Collection of Waste Materials B-38-0016	LS

Payment is full compensation for designing, erecting, operating, maintaining, and disassembling the containment devices; providing negative pressure exhaust ventilation; collecting, labeling, and for storing spent materials in provided hazardous waste containers.

**20. Portable Decontamination Facility B-38-0016, Item 517.6001.S.01.**

**A Description**

This special provision describes furnishing and maintaining weekly, or more often if needed, a single unit portable decontamination facility as hereinafter provided.

**B Materials**

Supply and operate all equipment according to OSHA.

Supply adequate heating equipment with the necessary fuel to maintain a minimum temperature of 68° F in the facility.

The portable decontamination facility shall consist of a separate "Dirty Room", "Shower Room" and "Clean Room". The facility shall be constructed so as to permit use by either sex. The facility shall have adequate ventilation.

The "Dirty Room" shall have appropriately marked containers for disposable garments, clothing that requires laundering, worker shoes, and any other related equipment. Each container shall be lined with poly bags for transporting clothing, or for disposal. Benches shall be provided for personnel.

The "Shower Room" shall include self-contained individual showering stalls that are stable and well secured to the facility. Provide showers with a continuous supply of potable hot and cold water. The wastewater must be retained for filtration, treatment, and/or for proper disposal.

The "Clean Room" shall be equipped with secure storage facilities for street clothes and separate storage facilities for protective clothing. The lockers shall be sized to store clothing, valuables and other personal belongings for each worker. Benches shall be provided for personnel.

Supply a separate hand wash facility, either attached to the decontamination facility or outside the containment.

**C Construction**

Properly contain, store, and dispose of the wastewater.

**D Measurement**

The department will measure Portable Decontamination Facility by each individual unit, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
517.6001.S.01	Portable Decontamination Facility B-38-0016	EACH

Payment is full compensation for furnishing and maintaining a portable decontamination facility.

517-060 (20140630)

## **21. Waterseal Joint, Item SPV.0090.01.**

### **A Description**

This special provision describes removing and disposing existing concrete at joint locations, furnishing and installing waterstops and associated hardware, furnishing, placing and curing concrete, and applying protective surface treatment on concrete, as shown on the plans, and as hereinafter provided.

#### **A.1 Submittals**

Prepare and submit shop drawings for engineer's review as provided in standard spec 105.2 and 506.3.2.

Submit product data from the manufacturers of joint sealer and the waterstops for the engineer's approval. Submit certifications from the manufacturers of joint sealer and the waterstops attesting that their products comply with the specification requirements and are suitable for the intended use.

### **B Materials**

The materials furnished and used in the work shall conform to the requirements of the standard specifications as listed below and as noted herein.

Structural steel and miscellaneous metals	standard spec 506.2
Joint sealer	standard spec 502.2.9
Concrete	standard spec 509.2(4)
Protective Surface Treatment	standard spec 502.2.11

The structural steel shall conform to AASHTO M270, Grade 36 or Grade 50 as noted in the plans.

The waterstops used in the joints shall conform to the requirements of standard spec 502.2.5. The surfaces of the waterstop shall be non-ribbed or non-serrated.

### **C Construction**

The construction methods shall conform to the pertinent requirements of standard spec 502, 506, 509.3.5 and 502.3.13.2. Properly coordinate the items to be cast into concrete with the respective subcontractor. Their installation shall be verified by the erector of the joint assemblies for accuracy. Perform any repairs and/or adjustments necessary for proper installation of the joint at no additional cost to the department.

Neoprene surfaces to be in contact with sealer shall be cleaned with an acceptable solvent as recommended by the manufacturer or wire brushed prior to installation to provide a bonding surface for the sealer.

Apply protective surface treatment to concrete according to standard spec 502.3.13.2.

**D Measurement**

The department will measure Waterseal Joint in length by the linear foot unit of work, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Waterseal Joint	LF

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

**22. Curb Repair Special, Item SPV.0090.02.**

**A Description**

Construct Curb Repair Special as shown on the plans or as described by the engineer, and according to standard spec 509 and in hereinafter provided.

**B Materials**

Concrete	standard spec 509.2(4)
Protective Surface Treatment	standard spec 502.2.11

**C Construction**

Construction shall be according to the plans and with standard spec 509.3 and 502.3.13.2.

*Replace standard spec 509.3.9.1 with the following:*

Under the Curb Repair Special bid item construct a concrete curb on concrete deck and approach pavement to the lines, grades, thickness, and cross section as the plans show, or the engineer directs.

Place the concrete, consolidate, and strike off to the required alignment for curb faces, tops and backs.

**D Measurement**

The department will measure Curb Repair Special by the linear foot unit of work, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.02	Curb Repair Special	LF

Payment is full compensation for furnishing labor, tools, equipment, materials, and incidentals necessary for Curb Repair Special including the application of protective surface treatment.

**23. Sidewalk Repair, SPV.0105.01.**

**A Description**

This special provision describes removing and disposing existing concrete, lowering existing conduits, furnishing and placing new reinforcement and concrete and curing and protecting concrete for repair of bridge sidewalk as shown on the plans, and as hereinafter provided.

**B Materials**

The materials furnished and used in the work shall conform to the requirements of the standard specifications as listed below and as noted herein.

Concrete	standard spec 509.2(4)
Protective Surface Treatment	standard spec 502.2.11
Steel Reinforcement	standard spec 505.2

**C Construction**

The construction methods shall conform to the pertinent requirements of standard spec 502, 505 and 509.3.5. Remove the existing sidewalk concrete as shown on the plans to lower existing conduits, so that the thickness of new reinforced concrete will be at least 4 inches above the top of lowered conduits.

If necessary, remove a maximum one-foot-high and three-foot-wide section of existing pier wall to lower conduits.

Provide steel reinforcement as shown on the plans.

**D Measurement**

The department will measure Sidewalk Repair, completed according to the contract and accepted, as a single lump sum unit of work.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.01	Sidewalk Repair	LS

Payment is full compensation for furnishing labor, tools, equipment, materials, and incidentals necessary for Sidewalk Repair



## 24. Enclosures and Seals, SPV.0105.02.

### A Description

This special provision describes furnishing labor, tools, equipment and materials necessary for enclosures, steel support frames and hardware, closure plates and seals in front of machinery rooms. Verify existing conditions; and design and detail steel support frames and enclosures; and submit shop drawings for review by the department.

### B Materials

#### B.1 Polycarbonate Structural Sheeting

Provide shatter resistant, polycarbonate, multi-wall structural sheeting with a minimum thickness of 5/8-inch. Provide clear sheeting. Provide Lexan Thermoclear LTC-3T16 as manufactured by GE Plastics, Polygal Titan as manufactured by Polygal USA Inc., or an approved equal.

Provide stainless steel flashing of the gage shown on the plans.

Provide rubber gaskets having the following properties:

- Min. tensile strength of 2500 psi
- Elongation at rupture min. 350%
- Max. compression 35%
- Tear resistance min. 120 lbs/inch

### C Construction

#### C.1 Polycarbonate Structural Sheeting

Install sheeting according to the manufacturer's recommendations. Install sheeting with rubber gasket between sheeting and steel framing in front of the machinery room along truss line 1. Attach sheeting to the framing with stainless steel bolts and nuts with double washers placed at 1-foot maximum centers. Splice panels as per manufacturer's requirements. Fasten splices at 1-foot maximum centers. Cap exposed points of fasteners with plastic protectors.

### D Measurement

The department will measure Enclosures and Seals, completed according to the contract and accepted, as a single lump sum unit of work.

### E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.02	Enclosures and Seals	LS

Payment is full compensation for enclosures and seals.

## 25. Machinery Rehabilitation, Item SPV.0105.03.

### A Description

This special provision describes the furnishing and installation of the modifications to the existing tail lock machinery, removal of existing fluid power equipment for the existing tail locks, refurbishing of the existing span drive motors, replacement of spherical bushings, and installation of new brakes. Rehabilitation work must be completed and the machinery systems placed in an operating condition acceptable to the engineer. The work shall be done as shown on the plans and specified herein and shall include but not necessarily be limited to the following:

- Attend pre-construction meeting.
- Provide submittals (shop drawings).
- Coordination of all machinery work with all other bascule work.
- Remove existing tail lock hydraulic power units (HPUs), piping, hoses and hydraulic cylinders. Properly drain and dispose of hydraulic fluid from piping, hoses, cylinders and HPUs.
- Furnish and install new tail lock actuators, trunnion brackets, clevis bases, and new supports.
- Test and adjust tail locks.
- Clean and paint tail locks.
- Provide lubricants and lubricate tail lock machinery.
- Provide Operating and Maintenance Manual for tail locks.
- Remove and refurbish existing span drive motors.
- Remove existing span drive motor flexible couplings and install new span drive motor flexible couplings.
- Remove existing Motor Brake on North (far) Leaf span drive machinery and install new Motor Brake. New Motor Brake in WisDOT storage.
- Remove existing Machinery Brakes and Brakewheels and install new Machinery Brakes and new Brakewheels.
- Remove existing rack pinion shaft spherical bushings and flanged split housings at location shown on the plans and install new spherical bushings and new flanged split housings.
- Provide training to department personnel.
- Provide as-built drawings.

Provide four complete modified tail lock systems, two for each bascule leaf at the locations shown on the plans. Existing tail lock rotating cam limit switches and linkages will remain in place and will not be disturbed during the modifications specified. Provide suitable protection for the limit switches and linkages to prevent damage or mis-adjustments during the modifications work. Consider other miscellaneous items such as washers, nuts, cotter pins, spacers, lube fittings and other items necessary for four complete and functional tail locks to be incidental to this bid item.

When each tail lock is fully open, the lock bar shall be at a position to clear the bascule girder and rest against the stops on the vertical support column. When each tail lock is fully driven the lock bar will be fully seated under the bascule girder seat and the stop plate on the lock bar will be resting against the bascule girder flanges. Existing operating clearances between the top of the lock bar and the bascule girder seat will be measured and recorded and shall not be changed unless directed by the engineer.

This item does not include the electrical power and control equipment required to operate the tail lock systems. See electrical plans and specifications for details and requirements for all electrical work. Span drive electric motors are refurbished as part of this pay item but electrical power and control modifications provided under the bid item Electrical Work.

Coordinate all work under this specification with the other required rehabilitation work for the bascule bridge.

**A.1 Codes and Standards**

Comply with the applicable requirements of AASHTO 1988 Standard Specifications for Movable Highway Bridges, referred to as the AASHTO.

Portions or all of certain recognized industry or association standards or specifications referred to as being a requirement of these special provisions shall be considered as binding as though reproduced in full herein unless supplemented and/or modified by more stringent requirements of the contract documents. Unless otherwise stated the reference standard or specification is that which is current as of the date of issuance of these special provisions. The following abbreviations will be used herein and on the plans to designate standard specifications for material and workmanship:

American Association of State Highway and Transportation Officials	AASHTO
American Gear Manufacturers Association	AGMA
American Iron and Steel Institute	AISI
American National Standard Institute	ANSI
American Society of Mechanical Engineers	ASME
American Society of Testing Materials	ASTM
American Welding Society	AWS
National Electrical Manufacturers Association	NEMA
National Lubricating Grease Institute	NLGI
Society of Automotive Engineers	SAE
American Railway Engineering Maintenance-of-Way Association	AREMA

**B Commercial Equipment - Performance and Materials**

**B.1 General**

Fabricate all commercial equipment according to the best modern practice. The machine work shall be accurate, so as to avoid an excessive amount of hand fitting. Allowance shall be made in castings and forgings to provide ample material for planing, drilling, reaming and fitting. Keep material at the shop clean and protected from the weather. Match mark all

fabricated components for shop and field assembly. Show materials for fabricated equipment on the plans. Materials for commercially manufactured equipment shall be as recommended by the manufacturer.

## **B.2 Alternate Equipment and Substitutions**

The use of alternate equipment is permitted. The specification of a manufacturer's name and part number is for the purpose of defining quality, configuration, rating and arrangement of parts.

Equivalent products of another manufacturer may be substituted for the specified item upon approval of the engineer provided that any changes necessary as a result of the substitution to related machinery, structural and electrical parts shall be made by the contractor at no additional cost.

The use of alternate equipment shall in no way, as determined by the engineer, degrade the intended performance of the machinery system, reduce the design safety factors, or have negative impact on the longevity and/or maintainability of the machinery.

## **B.3 Tail Lock Actuators and Trunnion Brackets**

Provide self-contained electric linear actuators with rod eyes, rod eye pins, and heavy duty trunnion brackets to operate the renovated machinery as shown on the plans and specified herein. Details and dimensions shown on the plans are for Raco actuators of the type and size specified herein. Contractor shall be responsible for revisions to details, supports and dimensions required to accommodate an alternate actuator supplier.

Trunnion bracket details shall be coordinated with the dimensions and details of the actuators and the supports. Trunnion brackets shall be heavy-duty weldments designed for the maximum stall thrust load of the actuators with a minimum factor of safety of 3. Brackets shall be fabricated from ½-inch thick ASTM A-36 steel plate. Bosses for the actuator trunnion shafts shall be thicker than ½-inch to accommodate the actuator trunnion length as required by the actuator manufacturer. Provide press-fit bronze bushings for the actuator trunnions. Fit and finish of trunnions within bushings shall be as required by the actuator manufacturer. Provide provisions to grease lubricate trunnions. A minimum of 8 base bolt holes (4 per bracket) shall be provided for mounting the brackets on the supports. Base bolts shall be 5/8" diameter minimum ASTM A325. Machine finish the bases of trunnion brackets as required to mount with even bearing and without warpage onto the actuator supports. Align brackets to allow actuators to pivot smoothly without binding.

Pins for rod eyes shall be provided to attach rod eyes to clevis brackets. Dimensions of pins shall be as required and a suitable means shall be provided to secure ends of pins within rod eyes and clevis brackets when assembled. Provide provisions to grease lubricate rod eye pins.

Each actuator must have an acme type or ball screw drive, an AC electric motor, with internal space heaters, an integral disc brake, integral adjustable limit switches for end of stroke shut-off in both directions.

Provide strain relief at the cord actuator connection points.

Control wiring shall be #14 minimum. Size power wiring to comply with the NEC based upon the motor supplied. See control schematics for the number of conductors required.

See electrical plans and specifications for additional integration into the bridge power and control system.

Provide actuators each capable of providing the linear thrust specified herein in both the extend and retract directions. Maximum actuator thrust shall be determined by the motor stall torque of the electric motor provided as part of the actuator.

Actuators shall be capable of operation in cold weather down to temperatures of minus 20 degrees F.

Actuator stroke shall be adjustable in the field. Actual stroke shall be as determined in the field and indicated on the Assembly shop drawings. Strokes shown on the plans are to be considered nominal and shall be the initial starting point for field adjustments unless otherwise noted on the Assembly shop drawings. Actuators shall be installed and strokes adjusted such that at least 1" of unused rod travel exists at each end of the working stroke. Rod speed shall be as specified on the actuator summary.

The length of the actuators as shown on the plans is nominal based on catalog information. The actuator manufacturer shall provide actual dimensions necessary for locating and installation of the actuator structural supports.

Obtain from the actuator manufacturer the motor horsepower and other motor information required for proper selection and sizing of the reversing motor starters and motor overloads. The motor starters shall be equipped with overloads to prevent the actuator electric motors from producing greater than 150% full load motor torque for a time period greater than one minute.

Separate electronic thrust overload protection units provided by the actuator manufacturer to limit actuator thrust will not be permitted. Actuator motor starters with adjustable motor current overloads will be provided as part of the electrical work. The motor overloads shall be fast acting and adjustable up to 150% full load motor current for normal running and stall conditions while allowing full motor inrush current for motor starting. Overloads shall be initially set at 100% full load motor current.

Each actuator shall be designed and fabricated to permit full sustained stall loading of the electric motor without damage to the actuator, tail lock machinery, and supports. Conformance with this requirement shall be clearly stated on the actuator shop drawings.

For estimating purposes the tentative electric motor horsepower of each actuator is as shown on the actuator summary. Each actuator electric motor is a 1750 rpm, NEMA D, AC squirrel cage motor. This information must be verified by the actuator manufacturer and shall be indicated on the actuator submittals.

On-site assistance by the actuator manufacturer shall be provided during the initial startup and adjustment of all the actuators and again during final acceptance testing by the engineer. No actuator shall be electrically powered up for the first time without the actuator representative being present to oversee and approve the initial actuator adjustments.

Provide actuators as manufactured by Raco International, Duff-Norton, Andco (Dresser), E-Driven, or approved equivalent conforming to the Raco specifications contained in the actuator summary below and conforming to the details/dimensions shown on the plans.

Actuators for Tail Locks – 5 Required (4 plus 1 spare)

RACO Type 750EC

Orient electric motor and handwheel for easy access.

Compatible trunnion brackets

2000 lbs nominal thrust

4000 lbs max thrust

14 inch max stroke unit

11" +/- working stroke required

0.7 in/sec rod speed approximate

Power Requirement = 2.3 kW (3 HP) confirm with actuator manufacturer and coordinate with electrical system requirements

**B.4 Refurbish Span Drive Motors**

Refurbish two existing span drive motors. There is one motor on each of the two leafs. These motors are specified on the original design drawings as 30 hp, 900 RPM, Wound Rotor AC. Contractor is to review existing plans and confirm motor type and voltage in field.

Refurbishing is to consist of removing the bridge leaf motors with motor brake brakewheels attached, and shop refurbishing the motors. Refurbishing to include but not limited to rewinding of the motor, replacement of brushes, slip rings, terminals, internal heaters, bearings, and any additional motor element with the exception of the motor casing and frame. Examine motor shaft and reuse if found to be acceptable. The motor casing and frame is to be reused, cleaned and painted to allow for proper replacement upon the existing machinery supports. Motors shall be dynamically rebalanced.

Any damage incurred to the motor frames or casings shall be repaired to the extent required to allow the motors to be remounted to the existing machinery supports equivalent in performance, appearance and durability to the existing installation.

The existing leaf motors to be cleaned down to the bare metal, primed and painted. The existing motors have lead based paint. Existing lead based paint to be removed, contained and disposed of per applicable environmental code and agency guidelines. The lead based

paint removal to comply with the latest OSHA, EPA, and State of Wisconsin rules and regulations for lead and hazardous material removal. The finish paint to be an epoxy base type paint. The color is to be selected by the WisDOT.

The motors are to be run and load tested under full load (150% full load motor torque) in the shop prior to refurbishing, and again run and full load tested after refurbishing prior to reinstallation upon the machinery frame. A test report with speed-torque curves shall be submitted for approval for each motor after initial testing and another report submitted again for approval for each motor for final testing after refurbishing.

Existing coupling hubs on the motor shafts shall be removed and the new coupling hubs installed in the shop of the motor rebuilder. New keys shall be provided.

Reassemble motor brakewheels onto shafts prior to reinstallation of motors at the bridge. New keys shall be provided.

### **B.5 Flexible Motor Couplings for Span Drive Motors**

Span drive electric motors are coupled to the gear reducer input shafts with flexible gear type couplings. Existing couplings specified on the original design plans are model Falk No. 9F. Contractor shall confirm existing coupling type and size and replace with new similar couplings of the same type, size and rating equivalent to or greater than existing.

Existing coupling hubs on the motor shafts shall be removed and the new coupling hubs installed in the shop of the motor rebuilder. New keys shall be provided.

Existing coupling hubs on the gear reducer shafts shall be removed and new coupling hubs installed in the field without gear reducer removal. Gear reducer and shafts shall not be damaged during hub removal and installation. Hubs shall be installed by applying heat to the hubs and cooling of the shafts. Hubs shall not be hammer driven onto the gear reducer shafts with such force as to damage the shafts and/or the gear reducer.

Coupling hubs to shaft fit shall be ANSI FN2.

### **B.6 Motor Brake**

Install new motor brake on the North (Far) Leaf span drive machinery. The new motor brake is currently in storage at WisDOT.

Contractor shall make arrangements to retrieve and inspect the motor brake. If the new brake is determined by the contractor to be unsuitable for use the engineer shall be notified immediately.

### **B.7 Machinery Brakes and Brakewheels**

Remove existing machinery brakes and existing brakewheels and install new machinery brakes and new brakewheels on the auxiliary drive shafts. New machinery brakes shall be installed on the existing machinery supports.

Provide new AC thruster operated shoe brakes of a size, rating, and voltage similar to the existing. Existing machinery (emergency) brakes are specified on the original design plans to be factory set at 160 ft-lbs. New brakes shall be set to the same rating but field adjustable up to a 100% greater setting and be provided with limit switches of the number, type, and settings similar to the existing brakes.

Provide new drip-proof enclosures for the new machinery brakes

## **B.8 Fabricated Machinery and Materials**

### **B.8.1 Tail Lock Actuator Supports**

Provide actuator supports as shown on the plans. Coordinate exact dimensions of the actuator supports with the exact dimensions of the actuators, support columns, and clearance requirements of the existing tail lock rotating cam limit switches. Fabricate actuator supports from ASTM A36 structural steel.

Show the type, size and location of all welds on shop drawings. Inspect and test welds according to the AWS welding code prior to stress relieving. Inspect welds using radiographic or ultrasonic methods. Submit certified test reports to the engineer. The engineer or its representative may send an inspector for observing the weld testing. Notify the engineer or its representative at least two weeks prior to the scheduled testing. The inspector will have the authority to reject the welds at any time during the testing. Give a stress relief heat treatment to welded components after welding. Submit a description of the heat treatment procedure to the engineer.

### **B.8.2 Clevis Brackets**

Provide clevis brackets as shown on the plans to connect the actuator eyes to the lock bars. Fabricate clevis brackets from ASTM A36 structural steel.

Show the type, size and location of all welds on shop drawings. Inspect and test welds according to the AWS welding code prior to stress relieving. Inspect welds using radiographic or ultrasonic methods. Submit certified test reports to the engineer. The engineer or its representative may send an inspector for observing the weld testing. Notify the engineer or its representative at least two weeks prior to the scheduled testing. The inspector will have the authority to reject the welds at any time during the testing. Give a stress relief heat treatment to welded components after welding. Submit a description of the heat treatment procedure to the engineer.

### **B.8.3 Pins**

Provide new pins for actuator rod eyes and lock bar pivot base at the locations shown on the plans. Fabricate pins from AISI 4140 or 4340 steel having a minimum ultimate strength of 200 ksi and a minimum yield point of 150 ksi. Pins must be cottered or secured by some other means to keep in place. Lubricate pins at time of assembly with bearing grease.



#### **B.8.4 Canopies for Tail Lock Actuators**

Provide canopies to prevent water leakage from the bridge deck above from falling directly onto the tail lock actuators. Assemble the drip guards at the bridge site and provide adequate protection as approved by the engineer. Show details of fabrication and assembly on shop drawings. Size guards to entirely cover the actuators. Use fiberglass translucent corrugated panels to cover the tail lock assemblies supported by galvanized framing. Attach support angles to the support columns and concrete wall as shown on the plans. All fasteners must be stainless steel. Submit shop drawings for canopies showing complete assemblies, materials, details of construction, fasteners, anchors, and details of attachment to support columns and concrete walls.

#### **B.8.5 Shims**

All shims shall be stainless steel, drilled for all bolts that pass through and trimmed to the dimensions of the assembled unit. Sufficient thickness shall be provided to permit 1/32 inch variations of the shim total. Total thickness of shims provided shall be at least 50 percent greater than the nominal shim thickness shown on the design plans or shop drawings.

#### **B.8.6 Fasteners**

Fasteners, unless otherwise specified, shall be high strength ASTM A325 or A490 cut thread, washer faced, hexagonal head bolts. SAE Grade 8 material is allowed for smaller diameter fasteners such as machine and set screws.

Nuts, where required, shall be ASTM A563 and compatible with the bolts. Bolt heads, nuts and hexagonal cap screws shall be dimensioned according to ANSI. Fasteners shall be of the heavy series. Flat head countersunk machine screws and set screws shall conform to ANSI and shall be heat treated alloy steel. Unless otherwise specified, set screws shall be of the headless, safety type and be of the coarse thread series and have cup points. Set screws shall not be used to transmit torque nor as a stop for equipment that provides stability or contributes to operation of the barriers.

Provide approved type positive locks for nuts. Use standard thickness nuts where double nuts are required in locations where occasional opening or adjustment is necessary. Make lock washers of tempered steel and conform to regular SAE dimensions and specifications. Use hardened steel, plain washers at the turned end of high strength bolts.

#### **B.8.7 Spherical Bushings and Flanged Pillow Block Housings**

Spherical bushing shall be fabricated from ASTM B22 Alloy 911 bronze.

Flanged split housing pillow block for spherical bushing shall be fabricated from ASTM A668 Class D forged carbon steel. Bolt holes for split housing pillow block flanges shall be drilled from the solid in the field upon final assembly in the girder webs.

Dimensions, fits and finishes for spherical bushing and flanged split housing pillow block shall be as shown on the original design and shop drawings included for reference as part of the contract document drawings. Contractor shall be responsible for verifying all critical dimensions required for proper fit on the rack pinion shaft and within the girder web.

### **B.8.8 Protection and Shipment of Equipment**

Coat all external exposed surfaces that are not painted and are made of a corroding metal with a rust-inhibiting compound. Wrap small hardware, not including components protected by painting, zinc plating or packaging, in water repellent, vapor phase, rust inhibitor type paper and sealed with pressure sensitive tape. In lieu of rust inhibiting paper, small hardware may be placed in plastic bags containing vapor phase, rust-inhibiting crystals. The minimum amount of crystals shall be three grams (0.11 oz.) per cubic foot of space. Seal the plastic bags with pressure sensitive tape and the components boxed for shipment with the machinery. Store all machinery indoors until installation on the bridge.

### **B.8.9 Operating and Maintenance Manual**

Furnish four bound copies of an operating and maintenance manual for the new tail lock system. The manual shall contain deed descriptive information on all equipment of the tail lock system, including electrical equipment. The manual shall include detailed operating and maintenance instructions for all the equipment including a lubrication drawing with the recommended lubricants.

Submit the operating and maintenance manual for approval as part of the shop plans prior to installation of the modifications to the tail lock systems. Make the manual, including lubrication information, available at the bridge site during all testing and operation of the tail lock system.

## **C. Construction**

### **C.1 Submittals**

Prepare and submit shop drawings to the engineer for approval. Such drawings shall detail and accurately dimension all parts and their relationship with other parts, including location and spacing of bolt holes required to install the new tail lock machinery within the existing structure. Indicate limits of accuracy and tolerances required for machining and assembly, and for surface finishes. Indicate tolerances for all assembled moving parts so that specified operating clearances can be obtained. Do not commence with fabrication without approval of the engineer.

Proprietary parts are shown in outline on the drawings. As part of the submittals, furnish complete certified dimensions and performance data to enable a determination of the adequacy of the unit.

Show shop bills of materials, listing all parts by part number and quantity on the shop drawings. The materials and specifications shall be given for each part. Give the designating numbers where standard specifications are used.

Dimensions given on the plans are nominal and intended for conceptual and estimating purposes only. Note any variations from nominal dimensions on the plans. Verify and adjust the dimensions given on plans and to verify dimensional compatibility of all components.

Upon the completion of the modifications to the tail lock systems, prepare and submit as-built drawings. Such drawings shall clearly show and identify any changes to the tail locks required due to construction conditions that may be different from the approved submittals.

### **C.2 Coordination with Other Disciplines**

Identify potential conflicts between the equipment and services furnished under this section and the equipment and services furnished under other sections. Coordination shall also include, but not be limited to, the following.

Verify actuator dimensions, mounting locations and mounting details, and verify compatibility with bridge structural modifications. Verify fabricated machinery component dimensions, mounting locations and mounting details, and verify compatibility with bridge structural modifications.

Temporarily remove existing bird screening to facilitate work. Reinstall bird screening after work completed.

Determine electric wire and conduit routing, and verify conduit support details compatibility with bridge structural details. Relocate existing conduit, wiring, switches, and outlets as required to eliminate conflicts with new equipment.

Verify electric power and control (interlocking) requirements, and motor starter requirements for the new tail locks.

### **C.3 Remove Existing Tail Locks Hydraulic Equipment**

Remove and discard existing tail lock hydraulic cylinders (4), hydraulic power units (2), and all associated hydraulic piping and hoses. Dispose of hydraulic fluid per the required environmental and hazardous material requirements. Seal and make watertight all piping and hose structural penetrations using an appropriate grout.

### **C.4 Install New Tail Lock Actuators**

Install and adjust new tail lock electric linear actuators such that actuators do not reach end of stroke in both the locks fully withdrawn and full driven positions. Initial adjustment shall be 2" actuator stroke when locks are fully withdrawn and 1" from full stroke when tail locks are fully driven. Adjust strokes separately at each tail lock location and each actuator may require different stroke settings depending on installation geometry at each tail lock location.

### **C.5 Remove Existing Span Drive Motors and Flexible Motor Couplings**

Remove 4 existing span drive electric motors (2 per bascule leaf) and remove 4 existing brakewheel couplings (2 per bascule leaf) located in the machinery rooms of each bascule leaf. Do not damage motors, motor supports or connected machinery. Motors are to be delivered to the department. Brakewheel couplings can be damaged during removal but shafts must not be damaged. Discard brakewheel couplings.

### **C.6 Install Refurbished Span Drive Motors and new Flexible Motor Couplings**

Install 4 new span drive electric motors (2 per bascule leaf) and install 4 new brakewheel couplings (2 per bascule leaf) in the machinery rooms of each bascule leaf. Motors to be provided as part of Electrical Controls.

Provide stainless steel shims and HS base bolts for motors as required.

Align motors shafts parallel to and in line axially with the gear reducer input shafts. Provide motor shaft end to gear reducer input shaft end gap as required for the new brakewheel couplings.

Install brakewheel couplings per manufacturer's instructions. Provide FN2 shrink fit of coupling hubs on motor and gear reducer shafts, and LC4 fit of keys within keyways. Provide 32 microinch surface finish at hub bores, and 63 microinch surface finish at keys and keyways.

### **C.7 Spherical Bushing and Flanged Pillow Block Housing Removal and Installation**

Remove existing rack pinion shaft existing spherical bushing and flanged split housing pillow block and install new bushing and pillow block without damaging the rack pinion shaft, rack pinion, large gear mounted on rack pinion shaft, bearing adjacent to the large gear, bearing support, and bascule girder web.

All work shall be performed/directed by millwrights experienced with in-place on site machining work with large shafts and bearings.

Removal general procedure shall be as follows. Contractor may propose alternate procedure:

- 1) Remove rack guard.
- 2) Support rack pinion shaft.
- 3) Remove rack pinions from rack pinion shaft. Retain gib head keys.
- 4) Finish/turn rack pinion shaft sufficiently to allow bushing assembly to slide along shaft on the machinery room side of the girder web.
- 5) Remove bolts attaching flanged pillow block housing to girder webs.
- 6) Remove flanged pillow block housing from web and slide housing and bushing assembly along shaft into machinery room. Flanged pillow block housing can be damaged during the removal process but do not damage girder web and web bore.
- 7) Separate both halves of the flanged pillow block housing and slide existing bushing off shaft from the pinion end.
- 8) Clean/true up girder web bore and rack pinion shaft journal. Remove no more material than necessary.
- 9) Assemble new bushing-housing assembly, install in girder web, reinstall existing pinion on shaft, install keys, and reinstall rack guard using the above reverse procedure. Lubricate bushing during assembly.
- 10) Attach pillow block housing flanges to girder web using new HS bolts of the same size as the existing bolts. Drill housing flanges bolts holes from the solid and ream all bolt holes as necessary and

### **C.8 Fits and Finishes**

Show fits and surface finishes on the plans. Unless otherwise shown, all fits and surface finishes shall be in conformance with AASHTO.

The drawings shall detail and accurately dimension all parts. Limits of accuracy and tolerance required for machining, surface finishes and allowances for fits will be shown. Journal and associated bearing tolerances will be given so that prescribed limits are obtained.

### **C.9 Electrical Requirements for Tail Locks Power and Control**

Provide reversing motor starters as part of electrical work to operate the tail lock actuator motors. Show requirements for motors starters, motor overload settings, relays, disconnect switches, wiring, raceways, junction boxes and all other electrical equipment and/or modifications necessary for proper power and control of the tail lock machinery on the electrical plans and in the electrical special provisions. Adjust tail lock starter overloads to prevent nuisance tripping.

### **C.10 Installation and Adjustment of Tail Lock Machinery**

Submit for approval as part of the submittals an erection and adjustment procedure for the tail lock machinery. Coordinate the disassembly, shipment, storage, reassembly at the site, erection, alignment and testing of the tail lock machinery with the structural work on the bascule piers and structural details of the bascule girders.

Do not disturb existing tail lock lock bars alignment. Existing lock bars operate satisfactorily without binding in both the drive and withdraw modes. Measure and document existing clearances between the bascule girders and tail lock bars. Final installation shall have the same clearances as existing. If lock bars alignment becomes altered in any way such that smooth operation fully driven and fully withdrawn no longer occurs Contractor shall restore proper operation to the satisfaction of the engineer.

Erection and adjustment of tail lock machinery shall be by millwrights with demonstrated skill in this type work.

Erection and assembly of the tail lock machinery shall be according to the instructions furnished by the machinery fabricator, part numbers, match marks, and the approved submittals.

Mounting surfaces shall be clean of dirt, paint and other foreign materials. Connecting bolts and nuts are to be securely tightened to torque value appropriate for the bolt and nut sizes.

Bolt holes in actuator supports for trunnion brackets are to be drilled from the solid material after alignment of machinery. All parts shall be adjusted for precise alignment by means of shims and pulled tightly against supporting members by use of clamps, temporary bolts, or other approved means before drilling and reaming holes for connecting bolts. All tail lock machinery shall be so installed to ensure satisfactory operation.

The existing lock bar position rotating cam limit switches may need readjustment during construction. Make these adjustments as required to the satisfaction of the engineer.

Functional testing of the completed tail lock machinery shall consist of normal operation through at least 12 open/close cycles using electric power and six open/close cycles using the manual hand wheels.

During all tests properly lubricate all parts with the lubricants as specified in the O&M manual provided for the tail locks and look for incorrect adjustment, misalignment, and overheating or other malfunctions. Correct any defects before final acceptance.

### **C.11 Painting**

Shop paint all tail lock actuators, rod eyes, trunnion brackets, and all other new tail lock machinery components and supports. Actuators shall be shop coated with paint suitable for a severe marine environment according to the manufacturer's standard practice.

Thoroughly clean all surfaces of all other existing tail lock components that are to remain in place and be reused. Clean and remove all dirt, loose paint, rust, grease and other contaminants and apply prime coat.

Provide all components with a field paint finish coat. Color of final field coat shall be as directed by the engineer. Do not paint nameplates.

The finish coat system applied to the tail lock machinery shall be the same painting system as used for structural steel as specified elsewhere in these contract documents. Paint all exterior surfaces, except machined surfaces.

### **C.12 Field Testing by Contractor**

After the tail lock machinery is installed and preliminary adjustments made the test the machinery to verify that the tail locks are in proper working order and fully meet the requirements of the design plans, shop drawings and specifications.

Make necessary adjustments to the tail lock machinery to prepare the machinery for final acceptance testing. Document the results of testing.

### **C.13 Final Acceptance Testing by the Engineer**

Final acceptance testing of the completed tail lock machinery shall test normal operation through at least 12 lock closing/opening cycles using electric motor operation and three cycles for manual operation.

Make the approved tail lock machinery O&M manual available at the bridge site for reference prior to and during final acceptance testing.

During all tests properly lubricate all lock machinery parts with the approved lubricants and observe to detect incorrect adjustment, misalignment, overheating or other malfunctions. Correct any defects at no extra cost before final acceptance.

Machined surfaces shall not be painted but be suitably cleaned and given one grease coat.

Do not operate the tail lock machinery at any time without proper lubrication.

Properly lubricate the tail lock machinery per the machinery fabricator's maintenance schedule up until final acceptance of the bridge by the city.

Lubricate pins with an extreme pressure type bearing grease. Lubricate sliding surfaces with an extreme pressure type open gear lubricant. Submit lubricant specifications and lubricant manufacturer's name for approval as part of the shop drawings. Lubricate any other tail lock machinery equipment and/or locations requiring lubrication with a suitable lubricant. Provide enough grease to fully lubricate the tail lock system.

Submit lubricant data sheets for all lubricants as part of the shop drawings and include with the O&M manuals.

Upon completion of all work, properly lubricate the drive machinery to the satisfaction of the engineer.

#### **C.14 Lubrication Drawing**

Prepare a tail lock machinery Lubrication Drawing as part of the shop drawings to be submitted to the engineer for approval. Show the locations of the tail lock machinery requiring lubrication on the lubrication drawings.

Submit a complete list of lubricants along with the lubricant manufacturer's data sheets for approval as part of the shop drawings. Lubricants required for proprietary equipment shall be identified and approved by the equipment manufacturer and clearly indicated on the submittals for the proprietary equipment. List approved lubricants on the lubrication drawing.

Include lubrication drawing and list of lubricants with the O&M Manual.

#### **C.15 Training**

Provide training to department and county personnel in the proper operation and maintenance of the tail lock machinery. Use the approved O&M manual as the training guide.

Training shall cover both normal (electric powered) operation and manual (non-electric) operation of the lock bar operators.

#### **D Measurement**

The department will measure Machinery Rehabilitation as a single lump sum unit for the machinery rehabilitation, acceptably completed.

#### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.03	Machinery Rehabilitation	LS

Payment is full compensation for furnishing and installing the machinery rehabilitation for the bascule span; and for furnishing all labor, tools, testing equipment, software, materials, and incidentals necessary to complete the contract work.

**26. Electrical Work, Item SPV.0105.04.**

**A Description**

This special provision describes furnishing all equipment, materials, labor, tools, shop drawings and performing all work, including installation, adjusting and testing, necessary for tail lock, motor rewinding, and brake replacement on the Ogden Street bascule bridge as shown on the plans and specified herein.

Field wire and adjust limit switches as part of this bid item.

**A.1 Codes and Standards**

The installation and all equipment shall be in conformance with the following codes and standards. Specifications of the following organizations may be referred to within the contract documents by the appropriate following abbreviations:

AASHTO	American Association of State and Highway Transportation Officials
ANSI	American National Standards Institute
ASTM	American Society for Testing and Materials
ICEA	Insulated Cable Engineers Association
IEEE	Institute of Electrical and Electronics Engineers
NEC	National Electric Code
NEMA	National Electric Manufacturers Association
NFPA	National Fire Protection Association
NESC	National Electrical Safety Code
OSHA	Occupational Safety and Health Act
UL	Underwriters Laboratories

Make available at the job site at all times copies of AASHTO Standard Specifications for Movable Bridges, NEC, and OSHA listed above. Make available all other code items at an off-site location.

Obtain and pay for all permits, governmental fees, taxes, and licenses necessary for the proper execution and completion of the electrical work, including coordination efforts with local utilities.



Submit to governmental agencies and utility companies any shop drawings for equipment, which are required by these agencies, for their approval.

Notify the engineer of any materials or apparatus believed to be inadequate or unsuitable or in violation of laws, ordinances, rules or regulations of authorities having jurisdiction.

Any changes required in the contract documents must conform to the preceding codes and regulations, and all work required by the changes must be performed at no additional cost to the department.

## **B Materials**

### **B.1 General Requirements for Materials and Quality Assurance**

Carefully examine the contract documents, visit the site, and become thoroughly familiar with the local conditions relating to the work. Failure to do so will not relieve the contractor from the obligations of the Contract.

Materials and installation must conform to the applicable codes and standards.

Design, install and finish all equipment to present a neat and attractive appearance. Lay out the exact size, location and raceway routing for all installed equipment. Along with subcontractors, determine and coordinate any additional space that may be required beyond that shown on the plans and obtain approval by the engineer.

In order to prevent deterioration due to corrosion, provide bolts, nuts, studs, washers, pins, terminals, springs, hangers, and similar fastenings and fittings made of stainless steel or hot-dip galvanizing per ASTM Specification A153.

In so far as practical, all major items of electrical equipment must be products of the same manufacturer so as to secure single responsibility, enhance system performance, and optimize compatibility. All equipment shall be of heavy-duty industrial design suitable for the application and environment.

Properly ship, store, and protect all equipment and materials at all times, as specified under the Shipping, Storage and Protection of Equipment section of this special provision.

After all equipment, devices, and raceways are installed and wires and cables are in place and connected to devices and equipment, test the system for continuity, proper phase rotation, improper grounds, and other defects. If any defective conditions are present, make all necessary corrections and retest for compliance.

Each major component of equipment must have the manufacturer's name, address, model number, and rating on the manufacturer's nameplate securely affixed in a conspicuous place. The nameplate of a distributing agent is not acceptable. Provide in a visible location code ratings, labels or other data, which are die-stamped into the surface of the equipment.

### **B.2 Substitutions**

The intent of this special provision is not to exclude equipment and products similar in design, manufacture, function and performance. The specification of a manufacturer's name and part number is for the purpose of defining quality, configuration, rating and arrangement of parts unless noted otherwise. Equivalent products of another manufacturer may be substituted for the specified item upon approval of the engineer provided that any changes necessary as a result of the substitution in related electrical, machinery, and structural parts shall be made at no additional cost.

If proposing substitutions sufficient information must be submitted to the engineer to allow for a review. The burden of proof for equivalency shall be the contractor's responsibility. The engineer reserves the right to request any and all information required to make such judgment.

### **B.3 Raceways, Conduit and Junction Boxes**

Furnish all labor, materials, equipment, and accessories not otherwise herein provided for and make all connections and attachments necessary for the installation of the electric equipment complete in every respect as specified and/or as shown on the plans.

Provide threaded rigid galvanized steel conduit with die cast aluminum conduit bodies and covers.

Provide stainless steel strut for supports unless otherwise indicated.

Provide NEMA 4 junction boxes with stainless steel hardware sized per NFPA 70 for proper wire fill.

In general, conduit runs shown on the plans are for bidding purposes only, and may be changed with permission of the engineer. Install drains at low points in lines, conduit boxes, and bottom of enclosures to allow for the drainage of water.

Install raceways and boxes according to the plans and as follows:

Install raceways level and square and at proper elevations. Provide adequate headroom.

Make bends and offsets so the inside diameter is not reduced. Unless otherwise indicated, keep the legs of a bend in the same plane and the straight legs of offsets parallel.

Use raceway fittings compatible with raceway and suitable for use and location.

Install exposed raceways parallel to or at right angles to nearby surfaces or structural members, and follow the surface contours as much as practical.

Run parallel or banked raceways together, on common supports where practical.

Make raceway terminations tight.

Use bonding bushings or wedges at connections subject to vibration. Use bonding jumpers where points cannot be made tight.

Use insulation bushings to protect conductors.

Install watertight expansion conduit fittings at all locations on the bridge where structural expansion and contraction occurs. Provide expansion fittings with a minimum movement in either direction as indicated on the plans. The expansion fittings must have threaded end caps for receiving fixed or movable conduit ends. Design expansion fittings to accommodate the range of movement required. Do not use flexible conduit as an expansion fitting.

#### **B.4 Wires and Cables**

All conductors shall be of soft drawn, annealed, stranded copper wire, according to ASTM B3.

Unless otherwise stipulated, all wiring shall be THHN/THWN-2 and shall be drawn into metal conduits or partitioned wireway.

Wire for interconnections within the factory built control panels may be MTW, 600 volt.

Conductors shall be continuous from terminal to terminal and splices shall not be inside conduit or fitting.

All wiring shall terminate in pressure lugs or screw-type solderless connectors.

Use labels to identify each field wire and its termination point with the designation permanently marked on durable fiber tags or on metal or plastic bands. Reliable label protection methods such as heat shrink protective sleeving must be used on each wire and tape or stick-on labels shall be used on each terminal block. Color coding of similar signal characteristics (e.g., AC control-red, power-black, DC positive-dark blue, DC negative-light blue, neutral-white, ground-green, etc.) shall be used in addition to wire labeling. Labeling shall include wire numbers, device names or numbers.

#### **B.5 Combination Reversing Starters**

Heavy duty, NEMA 4X stainless steel, 600V, fused. Size as required for load served. Provide auxiliary door disconnect contacts as shown. Provide terminal blocks for field wiring and 10-ampere “ice cube” style relays.

#### **B.6 Grounding**

Install a separate insulated equipment grounding conductor with circuit conductors for all feeders, branch circuits, and line voltage control wiring.

#### **B.7 Operations & Maintenance Manual**

Provide six complete typewritten copies of an “Operations & Maintenance Manual – Electrical” (O&M-E). The manual shall contain the maintenance and lubrication instructions

customarily furnished with the various electrical parts included in this bid item. Record the name plate data of all items furnished under this bid item for inclusion in the manual.

### **B.8 Spare Parts**

Furnish the following spare parts, which shall be delivered and stored as the engineer may direct:

2 sets of spare fuses for the combination reversing motor starters.

### **B.9 Defective Materials and Workmanship**

Defective equipment, components and circuits shall be repaired and/or replaced at contractor's expense.

## **C Construction**

### **C.1 Submittals**

Submit shop drawings for review by the engineer.

Complete catalog data, specifications, manufacturer's name, address and telephone numbers, and model numbers shall be provided.

Drawings and catalog data shall indicate which items under this bid item are covered, using the descriptive names and electrical identification numbers/symbols indicated on the plans or specified herein.

All submittals shall include a statement that the items covered are in compliance with the plans and special provisions. If not in compliance, provide written explanation marked on or attached to the submittal.

The equipment provided for a particular item or function shall be compatible with all other equipment associated with that item or function.

Detailed working drawings and wiring diagrams shall retain the same wire marks and equipment designations as shown on the contract document plans and special provisions. Provide wire marks where none are indicated in the contract documents.

Incomplete and/or illegible submittals shall be returned without review or comment and shall be completed and legible before resubmittal. Shop drawings that are not initialed and dated as checked shall be returned without review and comment and shall not be submitted until they are checked and completed.

Maintain an up-to-date Submittal Log and maintain constant contact with all suppliers and subcontractors to maximize coordination, cooperation, and to minimize the time required for the submittal process.

Submit to the engineer for review shop drawings, catalog cuts, and data according to the Standard Specifications and these Special Provisions. Submit all electrical equipment furnished

under these specifications and specified on the plan sheets for review. Organize submittals in logical groups. Incomplete submittals will be rejected without comment.

## **C.2 Coordination**

Installation of equipment under this bid item shall be coordinated with all other bridge rehabilitation work. Identify and plan for conflicts in order to minimize work effort, disruptions to vehicular and water traffic, and overall bridge operation.

Plan and coordinate the electrical work as follows:

Review all other plan drawings and verify dimensions as required to prevent possible installation conflicts. Discrepancies between plans and specifications shall promptly be brought to the attention of the engineer who will make determination in writing as to the design intent of the contract documents.

## **C.3 Electrical Identification**

Install engraved, plastic-laminated labels for all control panels, disconnects, combination motor starters, and pilot devices installed under this contract. Labels shall be secured with self-tapping stainless steel screws. Text shall match terminology and numbering of the contract documents and shop drawings.

Coordinate names, abbreviations, colors, and other designations used in electrical identification work with corresponding designations specified or indicated. Install numbers, lettering, and colors as approved in submittals and as required by code.

## **C.4 Paint**

All exposed corrodible parts of the electrical equipment and enclosures, unless factory painted in an approved manner, shall be primed and painted after installation as directed by the engineer.

Factory paint that has become damaged in shipping or handling shall be spot painted to match in the field.

## **C.5 Adjustment and Field Testing**

Adjustments and testing of all electrical equipment will be required as specified in the specific sections of these special provisions. Be prepared to make all required adjustments to the satisfaction of the department and engineer. Adjustments will be required during installation of equipment and may also be required both during and after Final Acceptance Testing.

## **C.6 Final Acceptance Testing by the Engineer**

Final acceptance testing will be witnessed by the engineer. At the time of Final Acceptance Testing be prepared to perform all necessary tests and make all necessary field adjustments to the electrical system equipment using the electrical contractor and the necessary subcontractors as required.

## **D Measurement**

The department will measure Electrical Work as a single lump sum unit of work for electrical work, acceptably completed.

**E Payment**

The department will pay for this work at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.04	Electrical Work	LS

Payment is full compensation for furnishing and installing the electrical components control system, and documentation for the bascule span; and for furnishing all labor, tools, testing equipment, software, materials, and incidentals necessary to complete the contract work.

## **ADDITIONAL SPECIAL PROVISION 4**

### **Payment to First-Tier Subcontractors**

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

The prime contractor may also withhold routine retainage from payments due subcontractors.

### **Payment to Lower-Tier Subcontractors**

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

### **Release of Routine Retainage**

After granting substantial completion the department may reduce the routine retainage withheld from the prime contractor to 75 percent of the original total amount retained.

When the Department sends the semi-final estimate the department may reduce the routine retainage withheld from the prime contractor to 10 percent of the original total amount retained.

Within 30 calendar days of receiving the semi-final estimate from the department, submit written certification that subcontractors at all tiers are paid in full for acceptably completed work and that no routine retainage is being withheld. The department will pay the prime contractor in full and reduce the routine retainage withheld from the prime contractor to zero when the department approves the final estimate.

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

**ADDITIONAL SPECIAL PROVISION 6**  
**ASP 6 - Modifications to the standard specifications**

*Make the following revisions to the standard specifications:*

---

**440.3.5.2 Corrective Actions for Localized Roughness**

*Replace paragraph two with the following effective with the September 2016 letting:*

- (2) The engineer will not direct corrective action or assess a pay reduction for an area of localized roughness without physically riding that work. The engineer will not direct corrective action on bridges without authorization from the department's bureau of structures.
- 

**450.3.1.1.4 Recording Truck Loads**

*Replace the entire text with the following effective with the December 2016 letting:*

- (1) If not using automatic batch recording, install a digital recorder as part of the platform truck or storage silo scales. Ensure that the recorder can produce a printed digital record of at least the gross or net weights of delivery trucks. Provide gross, tare, net weights, load count, and the cumulative tonnage; the date, time, ticket number, WisDOT project ID, and mix 250 number; and the mix type including the traffic, binder, and mix designation codes specified in 460.3.1. Ensure that scales cannot be manually manipulated during the printing process. Provide an interlock to prevent printing until the scales come to rest. Size the scales and recorder to accurately weigh the heaviest loaded trucks or tractor-trailers hauling asphaltic mixture. Ensure that recorded weights are accurate to within 0.1 percent of the nominal capacity of the scale.
  - (2) Ensure that tickets identify additives not included in the mix design submittal. Indicate on the ticket if the mixture will be placed under a cold weather paving plan and identify the warm mix additive and dosage rate required under 450.3.2.1.2.2.
- 

**455.3.2.1 General**

*Replace paragraph one with the following effective with the December 2016 letting:*

- (1) Apply tack coat only when the air temperature is 32 F or more unless the engineer approves otherwise in writing. Before applying tack coat ensure that the surface is reasonably free of loose dirt, dust, or other foreign matter. Do not apply to surfaces with standing water. Do not apply if weather or surface conditions are unfavorable or before impending rains.
- 

**460.2.1 General**

*Replace the entire text with the following effective with the December 2016 letting:*

- (1) Furnish a homogeneous mixture of coarse aggregate, fine aggregate, mineral filler if required, SMA stabilizer if required, recycled material if used, warm mix asphalt additive or process if used, and asphaltic material. Design mixtures conforming to table 460-1 and table 460-2 to 4.0% air voids to establish the aggregate structure.
- (2) Determine the target JMF asphalt binder content for production from the mix design data corresponding to 3.0% air voids (97% Gmm) target at the design the number of gyrations (Ndes). Add liquid asphalt to achieve the required air voids at Ndes.
- (3) For SMA, determine the target JMF asphalt binder content for production from the mix design data corresponding to 4.0% air voids (96% Gmm) target at Ndes.



**460.2.8.2.1.5 Control Limits**

*Replace paragraph one with the following effective with the December 2016 letting:*

- (1) Conform to the following control limits for the JMF and warning limits based on a running average of the last 4 data points:

ITEM	JMF LIMITS	WARNING LIMITS
Percent passing given sieve:		
37.5-mm	+/- 6.0	+/- 4.5
25.0-mm	+/- 6.0	+/- 4.5
19.0-mm	+/- 5.5	+/- 4.0
12.5-mm	+/- 5.5	+/- 4.0
9.5-mm	+/- 5.5	+/- 4.0
2.36-mm	+/- 5.0	+/- 4.0
75- $\mu$ m	+/- 2.0	+/- 1.5
Asphaltic content in percent	- 0.3	- 0.2
Air voids in percent <sup>[1]</sup>	+1.3/-1.0	+1.0/-0.7
VMA in percent <sup>[2]</sup>	- 0.5	- 0.2

<sup>[1]</sup> For SMA, JMF limits are +/-1.3 and warning limits are +/-1.0.

<sup>[2]</sup> VMA limits based on minimum requirement for mix design nominal maximum aggregate size in table 460-1.

**460.2.8.2.1.6 Job Mix Formula Adjustment**

*Replace paragraph one with the following effective with the December 2016 letting:*

- (1) The contractor may request adjustment of the JMF according to CMM 8-36.6.13.1. Have an HMA technician certified at a level appropriate for process control and troubleshooting or mix design submit a written JMF adjustment request. Ensure that the resulting JMF is within specified master gradation bands. The department will have a certified Hot Mix Asphalt, Mix Design, Report Submittals technician review the proposed adjustment and, if acceptable, issue a revised JMF.

**460.2.8.3.1.6 Acceptable Verification Parameters**

*Replace paragraph one with the following effective with the December 2016 letting:*

- (1) The engineer will provide test results to the contractor within 2 mixture-production days after obtaining the sample. The quality of the product is acceptably verified if it meets the following limits:
- Va is within a range of 2.0 to 4.3 percent. For SMA, Va is within a range of 2.7 to 5.3 percent.
  - VMA is within minus 0.5 of the minimum requirement for the mix design nominal maximum aggregate size.

**460.3.3.1 Minimum Required Density**

*Replace paragraph one with the following effective with the December 2016 letting:*

- (1) Compact all layers of HMA mixture to the density table 460-3 shows for the applicable mixture, location, and layer.

**TABLE 460-3 MINIMUM REQUIRED DENSITY<sup>[1]</sup>**

LOCATION	LAYER	PERCENT OF TARGET MAXIMUM DENSITY		
		MIXTURE TYPE		
		LT and MT	HT	SMA <sup>[5]</sup>
TRAFFIC LANES <sup>[2]</sup>	LOWER	93.0 <sup>[3]</sup>	93.0 <sup>[4]</sup>	—
	UPPER	93.0	93.0	—
SIDE ROADS, CROSSOVERS, TURN LANES, & RAMPS	LOWER	93.0 <sup>[3]</sup>	93.0 <sup>[4]</sup>	—
	UPPER	93.0	93.0	—
SHOULDERS & APPURTENANCES	LOWER	91.0	91.0	—
	UPPER	92.0	92.0	—

<sup>[1]</sup> The table values are for average lot density. If any individual density test result falls more than 3.0 percent below the minimum required target maximum density, the engineer may investigate the acceptability of that material.

<sup>[2]</sup> Includes parking lanes as determined by the engineer.

<sup>[3]</sup> Minimum reduced by 2.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

<sup>[4]</sup> Minimum reduced by 1.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

<sup>[5]</sup> The minimum required densities for SMA mixtures are determined according to CMM 8-15.

**460.5.2.1 General**

*Replace paragraph six with the following effective with the December 2016 letting:*

- (6) If during a QV dispute resolution investigation the department discovers mixture with  $1.5 > V_a > 5.0$  or VMA more than 1.0 below the minimum allowed in table 460-1, and the engineer allows that mixture to remain in place, the department will pay for the quantity of affected material at 50 percent of the contract price.

**460.5.2.3 Incentive for HMA Pavement Density**

*Replace paragraph one with the following effective with the December 2016 letting:*

- (1) If the lot density is greater than the minimum specified in table 460-3 and all individual air voids test results for that mixture placed during the same day are within 2.5 - 4.0 percent, the department will adjust pay for that lot as follows:

**INCENTIVE PAY ADJUSTMENT FOR HMA PAVEMENT DENSITY<sup>[1]</sup>**

PERCENT LOT DENSITY ABOVE SPECIFIED MINIMUM	PAY ADJUSTMENT PER TON <sup>[2]</sup>
From -0.4 to 1.0 inclusive	\$0
From 1.1 to 1.8 inclusive	\$0.40
More than 1.8	\$0.80

<sup>[1]</sup> SMA pavements are not eligible for density incentive.

<sup>[2]</sup> The department will prorate the pay adjustment for a partial lot.

**501.2.6 Fly Ash**

*Replace the entire subsection with the following effective with the December 2016 letting:*

**501.2.6.1 General**

- (1) Fly ash is defined as a finely divided residue resulting from the combustion of coal in a base loaded electric generating plant, transported from the boiler by flue gases, and later collected, generally by precipitators. Use fly ash in concrete manufactured by facilities and processes known to provide satisfactory material.
- (2) Test fly ash using a recognized laboratory, as defined in 501.2.2(1), starting at least 30 days before its proposed use, and continuing at ASTM-required frequencies as the work progresses. The manufacturer shall test the chemical and physical properties listed in tables 1 and 2 of ASTM C618 at the frequencies and by the test methods prescribed in ASTM C311.
- (3) Use only one source of fly ash for a bid item of work under the contract, unless the engineer directs or allows otherwise in writing.
- (4) Prequalify any proposed fly ash source as follows: The contractor shall obtain a copy of the certified report of tests or analysis made by a qualified independent laboratory, recognized by the department under 501.2.2, showing full and complete compliance with the above specification from the fly ash manufacturer and furnish it to the engineer. Provide this report to the engineer at least 14 calendar days before using the fly ash.
- (5) The manufacturer shall retain test records for at least 5 years after completing the work, and provide these records upon request.

**501.2.6.2 Class C Ash**

- (1) Conform to ASTM C618 class C except limit the loss on ignition to a maximum of 2 percent.

**501.2.6.3 Class F Ash**

- (2) Furnish a class F fly ash from a source listed on the department's approved product list, and conform to ASTM C618 class F except limit the loss on ignition to a maximum of 2 percent.

**502.3.7.8 Floors**

*Replace paragraph sixteen with the following effective with the September 2016 letting:*

- (16) The finished bridge floor shall conform to the surface test specified in 415.3.10. The engineer will not direct corrective grinding without authorization from the department's bureau of structures.

**503.3.2.1.1 Tolerances**

*Increase the "length of beam" max tolerance for prestressed concrete I-type girders from 3/4" to 1 1/2" effective with the December 2016 letting:*

**PRESTRESSED CONCRETE I-TYPE GIRDERS**

Length of beam..... +/- 1/8" per 10', up to a max of +/- 1 1/2"

**517.3.1.7.3 Epoxy System Intermediate and Protective Coats**

*Replace paragraph one with the following effective with the December 2016 letting:*

- (1) Mask the faying surfaces of bolted field splices and the top of the top flanges where welding the stud shear connectors during coat application. On all other areas including the outside surfaces of splice plates, ensure that the dry film thickness conforms to the following:
  - 1. For the white intermediate coat, 3.5 mils to 8 mils.
  - 2. For the protective coat, sufficient thickness to provide a uniform color and appearance but not less than 3 mil or more than 6 mils.

## Errata

*Make the following corrections to the standard specifications:*

### Throughout the contract:

Update all references to the construction rental rate "Blue Book" to reference "EquipmentWatch" rates.

#### 105.13.4 Content of Claim

- (1) Include the following 5 items in the claim.
  1. A concise description of the claim.
  2. A clear contractual basis for the claim. This should include reference to 104.2 on revisions to the contract and as appropriate, specific reference to contract language regarding the bid items in question.
  3. Other facts the contractor relies on to support the claim.
  4. A concise statement of the circumstances surrounding the claim and reasons why the department should pay the claim. Explain how the claimed work is a change to the contract work.
  5. A complete breakdown of the costs used to compile the claim. Include copies of all EquipmentWatch equipment rental rate sheets used, with the applicable number highlighted.

#### 109.4.5.5.1 General

- (2) The department will pay for use of contractor-owned equipment the engineer approves for force account work at published rates. The department will pay the contractor expense rates, as modified in 109.4.5.5, given in EquipmentWatch Cost Recovery (formerly Rental Rate Blue Book) . Base all rates on revisions effective on January 1 for all equipment used in that calendar year.

<http://equipmentwatch.com/estimator/>

#### 109.4.5.5.2 Hourly Equipment Expense Rates (Without Operators)

- (1) The contractor shall determine, and the department will confirm, hourly equipment expense rates as follows:

$$\text{HEER} = [\text{RAF} \times \text{ARA} \times (\text{R}/176)] + \text{HOC}$$

Where:

**HEER** = Hourly equipment expense rate.

**RAF** = EquipmentWatch regional adjustment factor.

**ARA** = EquipmentWatch age rate adjustment factor.

**R** = Current EquipmentWatch monthly rate.

**HOC** = EquipmentWatch estimated hourly operating cost.

- (2) The EquipmentWatch hourly operating cost represents all costs of equipment operation, including fuel and oil, lubrication, field repairs, tires, expendable parts, and supplies.

#### 109.4.5.5.3 Hourly Equipment Stand-By Rate

- (1) For equipment that is in operational condition and is standing-by with the engineer's approval, the contractor shall determine, and the department will confirm, the hourly stand-by rate as follows:

$$\text{HSBR} = \text{RAF} \times \text{ARA} \times (\text{R}/176) \times (1/2)$$

Where:

**HSBR** = Hourly stand-by rate.

**RAF** = EquipmentWatch regional adjustment factor.

**ARA** = EquipmentWatch age rate adjustment factor.

**R** = Current EquipmentWatch monthly rate.

- (2) The department will limit payment for stand-by to 10 hours or less per day up to 40 hours per week. The department will not pay the contractor for equipment that is inoperable due to breakdown. The department will not pay for idle equipment if the contractor suspends work or if the contractor is maintaining or repairing the equipment.

#### 109.4.5.5.4 Hourly Outside-Rented Equipment Rate

- (1) If the contractor rents or leases equipment from a third party for force account work, the contractor shall determine, and the department will confirm, the hourly outside-rented equipment rate as follows:

$$\text{HORER} = \text{HRI} + \text{HOC}$$

Where:

**HORER** = Hourly outside-rented equipment rate

**HRI** = Hourly rental invoice costs prorated for the actual number of hours that rented equipment is operated solely on force account work

**HOC** = EquipmentWatch hourly operating cost.

## 109.2 Scope of Payment

Correct errata to clarify that work under the contract is included in payment unless specifically excluded.

- (2) The department will pay for the quantity of work acceptably completed and measured for payment as the measurement subsection for each bid item specifies. Within the contract provide means to furnish and install the work complete and in-place. Payment is full compensation for everything required to perform the work under the contract including, but not limited to, the work elements listed in the payment subsection. Payment also includes all of the following not specifically excluded in that payment subsection:
1. Furnishing and installing all materials as well as furnishing the labor, tools, supplies, equipment, and incidentals necessary to perform the work.
  2. All losses or damages, except as specified in 107.14, arising from one or more of the following:
    - The nature of the work.
    - The action of the elements.
    - Unforeseen difficulties encountered during prosecution of the work.
  3. All insurance costs, expenses, and risks connected with the prosecution of the work.
  4. All expenses incurred because of an engineer-ordered suspension, except as specified in 104.2.2.3.
  5. All infringements of patents, trademarks, or copyrights.
  6. All other expenses incurred to complete and protect the work under the contract.

### 204.3.2.2.1 General

Correct errata by removing the reference to 490 which was deleted effective with the 2017 spec.

- (1) Under the Removing Pavement bid item, remove concrete pavements, concrete alleys, concrete driveways, or rigid base including all surfaces or other pavements superimposed on them.

### 657.2.2.1.1 General

Correct errata by eliminating the reference to department provided arms in the last sentence.

- (1) Furnish shop drawings as specified in 506.3.2, except submit 5 copies with the materials list. Ensure the drawings contain sufficient detail to allow satisfactory review and show the outside diameters of the pole at the butt, top, and splice locations the plans show. Show the width, depth, length, and thickness of all material, and list pertinent ASTM specification designations and metal alloy designations together with the tensile strength of metallic members. Provide tightening procedures for arm-to-pole connections on the shop drawings.

### 657.2.2.1.4 Poles Designed Under Legacy Standards

Correct errata by deleting the entire subsection to eliminate redundant language.

### 657.2.2.2 Trombone Arms

Correct errata by changing the reference from 657.2.2.1.3 to 657.2.2.1.2.

- (1) Design aluminum trombone arms as specified in 657.2.2.1.2 based on the completed maximum loading configuration the plans show. Furnish shop drawings conforming to 657.2.2.1.1 that show the width, depth, length, and thickness of all members. Also list the ASTM alloy designation and strength of each aluminum member on the shop drawings.

**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.



## **ADDITIONAL SPECIAL PROVISION 9 Electronic Certified Payroll Submittal**

(1) Use the department's Civil Rights Compliance System (CRCS) to submit certified payrolls electronically. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at:

<http://wisconsin.gov/Pages/doing-bus/civil-rights/labornwage/default.aspx>

(2) Ensure that all tiers of subcontractors, as well as all trucking firms, submit their weekly certified payrolls electronically through CRCS. These payrolls 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 payrolls. 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 of forms DT-1816 and DT-1929 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 data from their computer system into CRCS should have their payroll coordinator contact Paul Ndon. Not every contractor's payroll system is capable of producing export files. For details, see pages 17-22 of the CRCS System Background Information manual available online on the Labor, Wages, and EEO Information page at:

<http://wisconsin.gov/Documents/doing-bus/civil-rights/labornwage/crcs-payroll-manual.pdf>



## **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).

**Effective August 2015 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.

<http://wisconsindot.gov/rdwy/cmm/cm-02-28.pdf>

Upon completion of the project certify to the engineer, in writing using department form WS4567, 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 WS4567 is available at:

<http://wisconsindot.gov/hcciDocs/contracting-info/ws4567.doc>

**Effective with February 2017 Letting**

**WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF  
TRANSPORTATION AND SYSTEM DEVELOPMENT**

**SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS**

- I.** Prevailing Wage Rates, Hours of Labor, and Payment of Wages
- II.** Payroll Requirements
- III.** Postings at the Site of the Work
- IV.** Wage Rate Distribution
- V.** Additional Classifications

**I. PREVAILING WAGE RATES, HOURS OF LABOR AND PAYMENT OF WAGES**

The U.S. Department of Labor (Davis-Bacon Minimum Wage Rates) attached hereto and made a part hereof furnishes the prevailing wage rates pursuant to Section 84.062 of the Wisconsin Statutes. These wage rates are the minimum required to be paid to the laborers, workers, mechanics and truck drivers employed by contractors and subcontractors on the construction work embraced by the contract and subject to prevailing hours and wages under Section 84.062, Stats. Apprentices shall be paid at rates not less than those prescribed in their apprenticeship contract.

While the wage rates shown are the minimum rates required by the contract to be paid during its life, 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 shall be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

Pursuant to Section 16.856 of the Wisconsin Statutes, the prevailing hours of labor have been determined to be up to 10 hours per day and 40 hours per calendar week Monday through Friday. If any laborer, worker, mechanic or truck driver is permitted or required to work more than the prevailing number of hours per day or per calendar week on this contract, they shall be paid for all hours in excess of the prevailing hours at a rate of at least one and one-half (1 1/2) times their hourly base rate of pay. All work on Saturday, Sunday and the following holidays is to be paid at time and a half:

January 1  
Last Monday in May  
July 4  
First Monday in September  
Fourth Thursday in November  
December 25  
The day before if January 1, July 4 or December 25 falls on a Saturday, and

The day following if January 1, July 4 or December 25 falls on a Sunday.

All laborers, workers, mechanics and truck drivers shall be paid unconditionally not less often than once a week. Persons who own and operate their own trucks must receive the prevailing truck driver rate for the applicable type of truck (i.e. 2 axle, 3 or more axle, articulated, euclid or dumptor) he or she operates, plus an agreed upon amount for the use of his or her truck. Every owner-operator MUST be paid separately for their driving and for the use of their truck.

## **II. PAYROLL REQUIREMENTS**

All contractors and subcontractors must submit weekly Certified Payrolls and Compliance Statement verifying that all laborers, workers, mechanics and truck drivers working on the project have been paid the prevailing wage rates for all work performed under the contract required by Section 84.062 of the Wisconsin Statutes.

## **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. "NOTICE TO EMPLOYEES," which provides information required to be posted by the provisions of Section 84.062 of the Wisconsin Statutes.
- b. A copy of the U.S. Department of Labor (Davis-Bacon, Minimum Wage Rates).
- c. 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. WAGE RATE REDISTRIBUTION**

A contractor or subcontractor performing work subject to a Davis-Bacon wage determination may discharge its minimum wage obligations for the payment of both straight time wages and fringe benefits by (1) paying both in cash, (2) making payments or incurring costs for bona fide fringe benefits, or (3) by a combination thereof. Thus, under the Davis-Bacon a contractor may offset an amount of monetary wages paid in excess of the minimum wage required under the determination to satisfy its fringe benefit obligations. *See* 40 USC 3142(d) and 29 CFR 5.31.

## **V. ADDITIONAL CLASSIFICATIONS**

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 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:

- a. The work to be performed by the classification requested is not performed by a classification in the wage determination; and
- b. The classification is utilized in the area by the construction industry; and
- c. The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

General Decision Number: WI170010 02/24/2017 WI10

Superseded General Decision Number: WI20160010

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 \$10.20 for calendar year 2017 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 \$10.20 (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 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017
1	02/03/2017
2	02/10/2017
3	02/24/2017

BRWI0001-002 06/01/2016

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 31.84	20.95

BRWI0002-002 06/01/2016

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 37.04	19.70

BRWI0002-005 06/01/2016

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.07	20.51

BRWI0003-002 06/01/2016

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 32.22	20.57

BRWI0004-002 06/01/2016

KENOSHA, RACINE, AND WALWORTH COUNTIES

Rates	Fringes
-------	---------



BRICKLAYER.....	\$ 36.59	21.49
-----		
BRWI0006-002 06/01/2016		
ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 33.04	19.75
-----		
BRWI0007-002 06/01/2016		
GREEN, LAFAYETTE, AND ROCK COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 33.53	20.95
-----		
BRWI0008-002 06/01/2016		
MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 36.98	20.62
-----		
BRWI0011-002 06/01/2016		
CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 32.22	20.57
-----		
BRWI0019-002 06/01/2016		
BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 31.98	20.81
-----		
BRWI0034-002 06/01/2015		
COLUMBIA AND SAUK COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 32.86	17.22
-----		
* CARP0087-001 05/01/2016		
BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES		
	Rates	Fringes
Carpenter & Piledrivermen.....	\$ 36.85	18.39
-----		
CARP0252-002 06/01/2016		
ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO, BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except area bordering Michigan State Line), FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON, JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E. of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPPEALEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES		

	Rates	Fringes
CARPENTER		
CARPENTER.....	\$ 33.56	18.00
MILLWRIGHT.....	\$ 35.08	18.35
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 06/01/2008

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 30.52	14.41

---

CARP0361-004 05/01/2016

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 34.57	18.16

---

CARP2337-001 06/01/2008

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIIVERMAN		
Zone A.....	\$ 27.25	19.46
Zone B.....	\$ 24.47	19.46

---

ELEC0014-002 05/30/2016

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:.....	\$ 32.00	19.28

---

ELEC0014-007 05/30/2016

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician.....	\$ 24.35	13.15

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 06/01/2016

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 37.71	30%+10.02

-----  
ELEC0158-002 05/30/2016

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig),  
MARINETTE (Wausaukee and area South thereof), OCONTO, MENOMINEE  
(East of a line 6 miles West of the West boundary of Oconto  
County), SHAWANO (Except Area North of Townships of Aniwa and  
Hutchins) COUNTIES

	Rates	Fringes
Electricians:.....	\$ 30.50	29.50% + 9.57

-----  
ELEC0159-003 05/30/2016

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
Electricians:.....	\$ 36.50	20.39

-----  
ELEC0219-004 06/01/2015

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern,  
Florence and Homestead) AND MARINETTE COUNTY (Township of  
Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over		
\$180,000.....	\$ 31.16	18.34
Electrical contracts under		
\$180,000.....	\$ 28.96	18.26

-----  
ELEC0242-005 05/29/2016

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 34.92	25.05

-----  
ELEC0388-002 06/01/2013

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:.....	\$ 28.96	24.85% + 9.70

-----  
ELEC0430-002 06/01/2016

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 36.07	21.84

-----  
ELEC0494-005 06/01/2016

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 36.01	24.00

---

ELEC0494-006 06/01/2014

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 29.64	20.54

---

ELEC0494-013 06/01/2015

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.....	\$ 16.47	14.84
Technician.....	\$ 26.00	17.70

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

---

ELEC0577-003 05/30/2016

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:.....	\$ 30.68	17.28

---

ELEC0890-003 06/01/2016

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 32.45	26.10% + \$10.56

---

ELEC0953-001 07/01/2015

	Rates	Fringes
Line Construction:		
(1) Lineman.....	\$ 42.14	32% + 5.00
(2) Heavy Equipment		

Operator.....	\$ 40.03	32% + 5.00
(3) Equipment Operator.....	\$ 33.71	32% + 5.00
(4) Heavy Groundman Driver..	\$ 26.78	14.11
(5) Light Groundman Driver..	\$ 24.86	13.45
(6) Groundsman.....	\$ 23.18	32% + 5.00

-----  
 ENGI0139-005 06/01/2016

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 39.27	21.80
Group 2.....	\$ 38.77	21.80
Group 3.....	\$ 38.27	21.80
Group 4.....	\$ 38.01	21.80
Group 5.....	\$ 37.72	21.80
Group 6.....	\$ 31.82	21.80

HAZARDOUS WASTE PREMIUMS:

EPA Level "A" protection - \$3.00 per hour  
 EPA Level "B" protection - \$2.00 per hour  
 EPA Level "C" protection - \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs; pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender.

GROUP 6: Off-road material hauler with or without ejector.

-----  
IRON0008-002 06/01/2016

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC,  
MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO  
COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 30.86	25.42

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor  
Day, Thanksgiving Day & Christmas Day.

-----  
IRON0008-003 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),  
WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.15	25.42

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor  
Day, Thanksgiving Day & Christmas Day.

-----  
IRON0383-001 06/01/2015

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.....	\$ 32.85	21.84

-----  
IRON0498-005 06/01/2008

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and  
WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 34.34	25.72

-----  
IRON0512-008 05/01/2015

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,  
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPPEALEAU  
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.50	23.45

-----  
IRON0512-021 05/01/2015

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,  
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 31.04	23.45

-----  
LABO0113-002 06/01/2016

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
--	-------	---------

LABORER		
Group 1.....	\$ 27.51	20.35
Group 2.....	\$ 27.66	20.35
Group 3.....	\$ 27.86	20.35
Group 4.....	\$ 28.01	20.35
Group 5.....	\$ 28.16	20.35
Group 6.....	\$ 24.00	20.35

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

-----  
LABO0113-003 06/01/2016

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 26.76	20.35
Group 2.....	\$ 26.86	20.35
Group 3.....	\$ 26.91	20.35
Group 4.....	\$ 27.11	20.35
Group 5.....	\$ 26.96	20.35
Group 6.....	\$ 23.85	20.35

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

-----  
LABO0113-011 06/01/2016

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 26.57	20.35
Group 2.....	\$ 26.72	20.35

Group 3.....	\$ 26.92	20.35
Group 4.....	\$ 26.89	20.35
Group 5.....	\$ 27.22	20.35
Group 6.....	\$ 23.71	20.35

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

-----  
LABO0140-002 06/01/2016

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.....	\$ 30.67	16.55
Group 2.....	\$ 30.77	16.55
Group 3.....	\$ 30.82	16.55
Group 4.....	\$ 31.02	16.55
Group 5.....	\$ 30.87	16.55
Group 6.....	\$ 27.30	16.55

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

-----  
LABO0464-003 06/01/2016



DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 30.95	16.41
Group 2.....	\$ 31.05	16.41
Group 3.....	\$ 31.10	16.41
Group 4.....	\$ 31.30	16.41
Group 5.....	\$ 31.15	16.41
Group 6.....	\$ 27.30	16.41

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 05/02/2016

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 29.86	16.35
Spray, Sandblast, Steel....	\$ 30.46	16.35
Repaint:		
Brush, Roller.....	\$ 28.36	16.35
Spray, Sandblast, Steel....	\$ 28.96	16.35

-----  
PAIN0108-002 06/01/2016

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 32.74	18.70
Spray & Sandblast.....	\$ 33.74	18.70

-----  
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 06/01/2016

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 30.42	22.19
Brush.....	\$ 30.07	22.19
Spray & Sandblast.....	\$ 30.82	22.19

PAIN0802-002 06/01/2016

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND, ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush.....	\$ 27.50	17.72
PREMIUM PAY:		
Structural Steel, Spray, Bridges =	\$1.00 additional per	
hour.		

PAIN0802-003 06/01/2016

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.....	\$ 24.39	11.72

PAIN0934-001 06/01/2016

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 32.74	18.70
Spray.....	\$ 33.74	18.70
Structural Steel.....	\$ 32.89	18.70

PAIN1011-002 06/01/2016

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 24.56	11.93

PLAS0599-010 06/01/2016

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area 1.....	\$ 39.46	17.17
Area 2 (BAC).....	\$ 35.07	19.75
Area 3.....	\$ 35.61	19.40
Area 4.....	\$ 34.70	20.51
Area 5.....	\$ 36.27	18.73
Area 6.....	\$ 32.02	22.99

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK,

PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPPEALEAU, AND VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

-----  
TEAM0039-001 06/01/2016

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 26.63	19.85
3 or more Axles; Euclids Dumptor & Articulated, Truck Mechanic.....	\$ 26.78	19.85
-----		
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.

---

#### 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.

=====

END OF GENERAL DECISION

General Decision Number: WI170015 02/24/2017 WI15

Superseded General Decision Number: WI20160015

State: Wisconsin

Construction Type: Heavy

Counties: Wisconsin Statewide.

HEAVY CONSTRUCTION PROJECTS (Excluding Tunnel, Sewer, and Water Lines).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.20 for calendar year 2017 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 \$10.20 (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 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017
1	02/03/2017
2	02/10/2017
3	02/24/2017

BOIL0107-001 01/01/2016

	Rates	Fringes
BOILERMAKER		
Boilermaker.....	\$ 34.65	29.20
Small Boiler Repair (under 25,000 lbs/hr).....	\$ 26.91	16.00

BRWI0001-002 06/01/2016

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 31.84	20.95

BRWI0002-002 06/01/2016

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 37.04	19.70

BRWI0002-005 06/01/2016

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.07	20.51

BRWI0003-002 06/01/2016

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

Rates	Fringes
-------	---------

BRICKLAYER.....	\$ 32.22	20.57
-----		
BRWI0004-002 06/01/2016		
KENOSHA, RACINE, AND WALWORTH COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 36.59	21.49
-----		
BRWI0006-002 06/01/2016		
ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 33.04	19.75
-----		
BRWI0007-002 06/01/2016		
GREEN, LAFAYETTE, AND ROCK COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 33.53	20.95
-----		
BRWI0008-002 06/01/2016		
MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 36.98	20.62
-----		
BRWI0009-001 06/01/2016		
GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA, AND WINNEBAGO COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 32.22	20.57
-----		
BRWI0011-002 06/01/2016		
CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 32.22	20.57
-----		
BRWI0013-002 06/01/2015		
DANE, GRANT, IOWA, AND RICHLAND COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 32.86	17.22
-----		
BRWI0019-002 06/01/2016		
BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 31.98	20.81
-----		
BRWI0021-002 06/01/2015		
DODGE AND JEFFERSON COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 33.58	16.65
-----		

BRWI0034-002 06/01/2015

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 32.86	17.22

\* CARP0087-001 05/01/2016

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

	Rates	Fringes
Carpenter & Piledrivermen.....	\$ 36.85	18.39

CARP0252-002 06/01/2016

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO, BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except area bordering Michigan State Line), FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON, JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E. of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPPEALEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CARPENTER		
CARPENTER.....	\$ 33.56	18.00
MILLWRIGHT.....	\$ 35.08	18.35
PILEDRIVER.....	\$ 34.12	18.00

CARP0252-010 06/01/2016

ASHLAND COUNTY

	Rates	Fringes
Carpenters		
Carpenter.....	\$ 33.56	18.00
Millwright.....	\$ 35.08	18.35
Pile Driver.....	\$ 34.12	18.00

CARP0264-003 06/01/2008

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 30.52	14.41

CARP0361-004 05/01/2016

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 34.57	18.16

CARP2337-001 06/01/2008

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIVERMAN		



Zone A.....	\$ 27.25	19.46
Zone B.....	\$ 24.47	19.46

-----  
 CARP2337-003 06/02/2008

	Rates	Fringes
MILLWRIGHT		
Zone A.....	\$ 27.92	19.08
Zone B.....	\$ 26.82	19.08

ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

-----  
 ELEC0014-002 05/30/2016

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:.....	\$ 32.00	19.28

-----  
 ELEC0014-007 05/30/2016

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician.....	\$ 24.35	13.15

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 06/01/2016

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 37.71	30%+10.02

-----  
 ELEC0158-002 05/30/2016

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig),  
 MARINETTE(Wausaukee and area South thereof), OCONTO, MENOMINEE  
 (East of a line 6 miles West of the West boundary of Oconto  
 County), SHAWANO (Except Area North of Townships of Aniwa and  
 Hutchins) COUNTIES

	Rates	Fringes
Electricians:.....	\$ 30.50	29.50% + 9.57

-----  
 ELEC0159-003 05/30/2016

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
--	-------	---------

Electricians:.....\$ 36.50 20.39

-----  
ELEC0219-004 06/01/2015

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern, Florence and Homestead) AND MARINETTE COUNTY (Township of Niagara)

Rates Fringes

Electricians:  
Electrical contracts over  
\$180,000.....\$ 31.16 18.34  
Electrical contracts under  
\$180,000.....\$ 28.96 18.26

-----  
ELEC0242-005 05/29/2016

DOUGLAS COUNTY

Rates Fringes

Electricians:.....\$ 34.92 25.05

-----  
ELEC0388-002 06/01/2013

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:.....\$ 28.96 24.85% + 9.70

-----  
ELEC0430-002 06/01/2016

RACINE COUNTY (Except Burlington Township)

Rates Fringes

Electricians:.....\$ 36.07 21.84

-----  
ELEC0494-005 06/01/2016

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

Electricians:.....\$ 36.01 24.00

-----  
ELEC0494-006 06/01/2014

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

Rates Fringes

Electricians:.....\$ 29.64 20.54

-----  
ELEC0494-013 06/01/2015

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.....\$ 16.47 14.84  
Technician.....\$ 26.00 17.70

Installation, testing, maintenance, operation and servicing

of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

-----  
 ELEC0577-003 05/30/2016

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:.....	\$ 30.68	17.28

-----  
 ELEC0890-003 06/01/2016

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 32.45	26.10% + \$10.56

-----  
 ELEC0953-001 07/01/2015

	Rates	Fringes
Line Construction:		
(1) Lineman.....	\$ 42.14	32% + 5.00
(2) Heavy Equipment Operator.....	\$ 40.03	32% + 5.00
(3) Equipment Operator.....	\$ 33.71	32% + 5.00
(4) Heavy Groundman Driver..	\$ 26.78	14.11
(5) Light Groundman Driver..	\$ 24.86	13.45
(6) Groundsman.....	\$ 23.18	32% + 5.00

-----  
 ENGI0139-001 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 43.21	20.40
Group 2.....	\$ 42.71	20.40
Group 3.....	\$ 42.21	20.40
Group 4.....	\$ 41.52	20.40
Group 5.....	\$ 39.34	20.40
Group 6.....	\$ 34.19	20.40

HAZARDOUS WASTE PREMIUMS:  
 EPA Level "A" Protection: \$3.00 per hour  
 EPA Level "B" Protection: \$2.00 per hour  
 EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or w/o attachments with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, Pedestal Tower

Cranes and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Self-Erecting Tower Cranes over 4000 lbs lifting capacity; All Cranes with Boom Dollies; Boring Machines (directional); Master Mechanic. \$0.50 additional per hour per 100 tons or 100 ft of boom over 200 ft or lifting capacity of crane over 200 tons to a maximum of 300 tons or 300 ft. Thereafter an increase of \$0.01 per ft or ton, whichever is greater.

GROUP 2: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; or Cranes, Tower Cranes Portable Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads and/or jib lengths measuring 175 feet or less; Backhoes (excavators) 130,000 lbs and over; Caisson Rigs; Pile Drivers; Boring Machines (vertical or horizontal), Versi-Lift, Tri-Lift, Gantry 20,000 lbs & over.

GROUP 3: Backhoe (excavator) under 130,000 lbs; Self-erecting Tower Crane 4000 lbs & under lifting capacity; Traveling Crane (bridge type); Skid Rigs; Dredge Operator; Mechanic; Concrete Paver (over 27E); Concrete Spreader and Distributor; Forklift/ Telehandler (machinery- moving / steel erection); Hydro Blaster, 10,000 psi and over

GROUP 4: Material Hoists; Stack Hoists; Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 5 tons or under (tractor or truck mounted); Hoist (tuggers 5 tons & over); Hydro-Excavators/Daylighters; Concrete Pumps Rotec type Conveyors; Tractor/Bulldozer/End Loader (over 40 hp); Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Rotary Drill Operator and Blaster; Percussion Drill Operator; Air Track Drill and/or Hammers; Gantrys (under 20,000 lbs); Tencher (wheel type or chain type having 8 inch or larger bucket); Milling Machine; Off-Road Material Haulers.

GROUP 5: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machines (road type); Rubber Tired Roller; Concrete Batch Hopper; Concrete Conveyor Systems; Grout Pumps; Concrete Mixers (14S or over); Screw Type Pumps and Gypsum Pumps; Tractor, Bulldozer, End Loader (under 40 hp); Trencher (chain type, bucket under 8 inch); Industrial Locomotives; Rollers under 5 tons; Stump Grinder/Chipper (Large); Timber Equipment; Firemen (pile drivers and derricks); Personnel Hoist, Telehandler over 8000 lbs; Robotic Tool Carrier with or without attachments

GROUP 6: Tampers - Compactors (riding type); Assistant Engineer; A-Frames and Winch Trucks; Concrete Auto Breaker; Hydrohammers (small); Brooms and Sweepers; Hoist (tuggers under 5 tons); Boats (Tug, Safety, Work Barges, Launch); Shouldering Machine Operator; Prestress Machines; Screed Operator; Stone Crushers and Screening Plants; Screed Operators (milling machine), Farm or Industrial Tractor Mounted Equipment; Post Hole Digger; Fireman (asphalt plants); Air Compressors over 400 CFM; Generators, over 150 KW; Augers (vertical and horizontal); Air, Electric, Hydraulic Jacks (slipform); Skid Steer Loaders (with or without attachments); Boiler Operators (temporary heat); Refrigeration Plant/Freeze Machines; Power Pack Vibratory/Ultra Sound Drivers and Extractors; Welding Machines; Heaters (mechanical); Pumps; Winches (small electric); Oiler and Greaser; Rotary Drill Tender; Conveyor; Forklifts/Telehandler 8000 lbs & under; Elevators: Automatic Hoists; Pumps (well points); Combination Small Equipment Operators

-----  
 ENGI0139-003 06/01/2016

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 38.72	20.60
Group 2.....	\$ 37.47	20.60
Group 3.....	\$ 36.27	20.60

Group 4.....	\$ 35.74	20.60
Group 5.....	\$ 33.67	20.60
Group 6.....	\$ 33.04	20.60

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

-----  
IRON0008-002 06/01/2016

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

Rates Fringes

IRONWORKER.....\$ 30.86 25.42

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

-----  
IRON0008-003 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

IRONWORKER.....\$ 33.15 25.42

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

-----  
IRON0383-001 06/01/2015

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.....\$ 32.85 21.84

-----  
IRON0512-008 05/01/2015

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPPEALEAU COUNTIES

Rates Fringes

IRONWORKER.....\$ 35.50 23.45

-----  
IRON0512-021 05/01/2015

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

Rates Fringes

IRONWORKER.....\$ 31.04 23.45

-----  
LABO0113-002 06/01/2016

MILWAUKEE AND WAUKESHA COUNTIES

Rates Fringes

LABORER  
Group 1.....\$ 27.51 20.35  
Group 2.....\$ 27.66 20.35  
Group 3.....\$ 27.86 20.35  
Group 4.....\$ 28.01 20.35  
Group 5.....\$ 28.16 20.35  
Group 6.....\$ 24.00 20.35

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

-----  
LABO0113-003 06/01/2016

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 26.76	20.35
Group 2.....	\$ 26.86	20.35
Group 3.....	\$ 26.91	20.35
Group 4.....	\$ 27.11	20.35
Group 5.....	\$ 26.96	20.35
Group 6.....	\$ 23.85	20.35

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

-----  
LABO0113-011 06/01/2016

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 26.57	20.35
Group 2.....	\$ 26.72	20.35
Group 3.....	\$ 26.92	20.35
Group 4.....	\$ 26.89	20.35
Group 5.....	\$ 27.22	20.35
Group 6.....	\$ 23.71	20.35

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

-----  
LABO0140-002 06/01/2016

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.....	\$ 30.67	16.55
Group 2.....	\$ 30.77	16.55
Group 3.....	\$ 30.82	16.55
Group 4.....	\$ 31.02	16.55
Group 5.....	\$ 30.87	16.55
Group 6.....	\$ 27.30	16.55

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

-----  
LABO0464-003 06/01/2016

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 30.95	16.41
Group 2.....	\$ 31.05	16.41
Group 3.....	\$ 31.10	16.41
Group 4.....	\$ 31.30	16.41
Group 5.....	\$ 31.15	16.41
Group 6.....	\$ 27.30	16.41

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 05/02/2016

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 29.86	16.35
Spray, Sandblast, Steel....	\$ 30.46	16.35
Repaint:		
Brush, Roller.....	\$ 28.36	16.35
Spray, Sandblast, Steel....	\$ 28.96	16.35

-----  
PAIN0108-002 06/01/2016

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 32.74	18.70
Spray & Sandblast.....	\$ 33.74	18.70

-----  
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, TREMPPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
PAINTER.....	\$ 22.03	12.45

-----  
PAIN0781-002 06/01/2016

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 30.42	22.19
Brush.....	\$ 30.07	22.19
Spray & Sandblast.....	\$ 30.82	22.19

-----  
PAIN0802-002 06/01/2016

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND, ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		

Brush.....\$ 27.50 17.72

PREMIUM PAY:

Structural Steel, Spray, Bridges = \$1.00 additional per hour.

-----  
PAIN0802-003 06/01/2016

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.....\$ 24.39 11.72  
-----

PAIN0934-001 06/01/2016

KENOSHA AND WALWORTH COUNTIES

Rates Fringes  
Painters:  
Brush.....\$ 32.74 18.70  
Spray.....\$ 33.74 18.70  
Structural Steel.....\$ 32.89 18.70  
-----

PAIN1011-002 06/01/2016

FLORENCE COUNTY

Rates Fringes  
Painters:.....\$ 24.56 11.93  
-----

PLAS0599-010 06/01/2016

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 05/02/2016

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, SAWYER, AND WASHBURN

COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 39.07	18.73
-----		
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 06/01/2016		

MARINETTE COUNTY (Niagara only)

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 32.19	21.28
-----		
PLUM0118-002 06/01/2016		

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
Plumber and Steamfitter.....	\$ 40.95	19.95
-----		
PLUM0400-003 05/30/2016		

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.....	\$ 34.39	17.65
-----		
PLUM0434-002 05/29/2016		

BARON, BUFFALO, CHIPPEWA, CLARK, CRAWFORD, DUNN, EAU CLAIRE, FLORENCE, FOREST, GRANT, JACKSON, JUNEAU, LA CROSSE, LANGLADE, LINCOLN, MARATHON, MONROE, ONEIDA, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RUSK, ST. CROIX, TAYLOR, TREMPLEALEAU, VERNON, VILAS, AND WOOD COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 38.20	16.72
-----		
PLUM0601-003 06/01/2016		

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, MILWAUKEE, OZAUKEE, ROCK, WASHINGTON AND WAUKESHA COUNTIES

Rates	Fringes
-------	---------

PIPEFITTER.....\$ 43.26 22.96

-----  
PLUM0601-009 06/01/2016

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

Rates Fringes

PIPEFITTER.....\$ 46.43 19.54

-----  
TEAM0039-002 06/01/2016

Rates Fringes

TRUCK DRIVER  
1 & 2 Axle Trucks.....\$ 26.63 19.85  
3 or more axles; Euclids  
or Dumptor, Articulated  
Truck, Mechanic.....\$ 26.78 19.85

-----  
SUWI2011-001 11/16/2011

Rates Fringes

WELL DRILLER.....\$ 16.52

-----  
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.

---

#### 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.

=====

END OF GENERAL DECISION

**FEBRUARY 1999**

**NOTICE TO BIDDERS  
WAGE RATE DECISION**

The wage rate decision of the Secretary of Labor which has been incorporated in these advertised specifications is incomplete in that the classifications may be omitted from the Secretary 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. The higher of state or federal rate will apply.







Proposal Schedule of Items

Proposal ID: 20170411025 Project(s): 9995-03-61

Federal ID(s): N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0010	213.0100 Finishing Roadway (project) 01. 9995-03-61	1.000 EACH	_____.	_____.
0020	517.1800.S Structure Repainting Recycled Abrasive (structure) 01. B-38-0016	LS	LUMP SUM	_____.
0030	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 01. B-38-0016	LS	LUMP SUM	_____.
0040	517.6001.S Portable Decontamination Facility 01. B-38-0016	1.000 EACH	_____.	_____.
0050	619.1000 Mobilization	1.000 EACH	_____.	_____.
0060	642.5001 Field Office Type B	1.000 EACH	_____.	_____.
0070	643.0100 Traffic Control (project) 01. 9995-03-61	1.000 EACH	_____.	_____.
0080	643.0300 Traffic Control Drums	140.000 DAY	_____.	_____.
0090	643.0410 Traffic Control Barricades Type II	710.000 DAY	_____.	_____.
0100	643.0420 Traffic Control Barricades Type III	2,200.000 DAY	_____.	_____.
0110	643.0705 Traffic Control Warning Lights Type A	3,680.000 DAY	_____.	_____.
0120	643.0900 Traffic Control Signs	1,170.000 DAY	_____.	_____.
0130	643.1050 Traffic Control Signs PCMS	50.000 DAY	_____.	_____.
0140	643.2000 Traffic Control Detour (project) 01. 9995-03-61	1.000 EACH	_____.	_____.
0150	643.3000 Traffic Control Detour Signs	6,130.000 DAY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20170411025 Project(s): 9995-03-61

Federal ID(s): N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0160	SPV.0090 Special 01. Waterseal Joint	72.000 LF	_____.	_____.
0170	SPV.0090 Special 02. Curb Repair Special	166.000 LF	_____.	_____.
0180	SPV.0105 Special 01. Sidewalk Repair	LS	LUMP SUM	_____.
0190	SPV.0105 Special 02. Enclosures And Seals	LS	LUMP SUM	_____.
0200	SPV.0105 Special 03. Machinery Rehabilitation	LS	LUMP SUM	_____.
0210	SPV.0105 Special 04. Electrical Work	LS	LUMP SUM	_____.
<b>Section: 0001</b>			<b>Total:</b>	_____.
			<b>Total Bid:</b>	_____.

**PLEASE ATTACH SCHEDULE OF ITEMS HERE**