

HIGHWAY WORK PROPOSAL

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

Proposal Number:

22

<u>COUNTY</u>	<u>STATE PROJECT ID</u>	<u>FEDERAL PROJECT ID</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Marinette	9995-03-60		City of Marinette, Lift Structure Ogden Street Bridge, B-38-16 Menomoninee 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: July 14, 2015 Time (Local Time): 9:00 AM	Firm Name, Address, City, State, Zip Code
Contract Completion Time One Hundred Twenty (120) Working Days	SAMPLE NOT FOR BIDDING PURPOSES
Assigned Disadvantaged Business Enterprise Goal 0%	This contract is exempt from federal oversight.

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

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

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

(Bidder Signature)

(Print or Type Bidder Name)

(Bidder Title)

For Department Use Only

Type of Work Replacing the pier protection system, replacing traffic gate machinery, and replacing the bascule span limit switch.	
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 June 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:

Use the following link prior to June 19, 2015:

<http://roadwaystandards.dot.wi.gov/hcci/>

Use the following link beginning June 19, 2015:

<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 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:

Use the following link prior to June 19, 2015:

<http://roadwaystandards.dot.wi.gov/hcci/>

Use the following link beginning June 19, 2015:

<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.

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 ExpressTM web site.
 2. Use ExpediteTM software to enter a unit price for every item in the schedule of items.
 3. Submit the bid according to the requirements of ExpediteTM software and the Bid ExpressTM 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 ExpressTM web site reflecting the latest addenda posted on the department's web site at:

Use the following link prior to June 19, 2015:

<http://roadwaystandards.dot.wi.gov/hcci/>

Use the following link beginning June 19, 2015:

<http://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

Use ExpediteTM 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 ExpressTM web site to assure that the schedule of items is prepared properly.

- (2) Staple an 8 1/2 by 11 inch printout of the ExpediteTM 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 ExpediteTM 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 ExpediteTM 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 ExpediteTM generated schedule of items is not the same on each page.
 - 2. The check code printed on the printout of the ExpediteTM generated schedule of items is not the same as the check code for that proposal provided on the diskette or CD ROM.
 - 3. The diskette or CD ROM is not submitted at the time and place the department designates.

C Waiver of Electronic Submittal

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

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

(Signature of Attorney-in-Fact)

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

March 2010

LIST OF SUBCONTRACTORS

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

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

[illegible]

DECEMBER 2000

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

Instructions for Certification

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

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

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

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

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

Special Provisions

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SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 9995-03-60, City of Marinette, Lift Structure, Ogden Street Bridge, B-38-16 Menominee River 84.10, 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, 2015 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 (20141107)

2. Scope of Work.

The work under this contract shall consist of replacing the pier protection system, replacing traffic gate machinery, replacing the bascule span limit switch, 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 time frame for construction of the project beginning within the 2015 construction season to the engineer in writing within a month after executing the contract but at least 14 calendar days before the preconstruction conference. Assure that the time frame is consistent with the contract completion time. Upon approval, the engineer will issue the notice to proceed within ten calendar days before the beginning of the approved time frame.

To revise the time frame, submit a written request to the engineer at least two weeks before the beginning of the intended time frame. 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.

The construction operations shall provide for the following two stages:

Removal and Reconstruction of Dolphins, Walkways and Fenders Stage

Work under this stage consists of removing and reconstructing dolphins, walkways and fenders on Structure B-38-0016 over the Menominee River. In addition, work also includes electrical work on the dolphins.

Maintain traffic on Ogden Street (Marinette, Wisconsin) and 1st Street (Menominee, Michigan) and B-38-0016.

Electrical Work Stage

Work under this stage consists of Electrical Work, including navigation lights, limit switches, and traffic gates and other associated electrical items.

Detour Ogden Street and 1st Street traffic as shown on the Detour Plan or as directed by the engineer.

Close sidewalks at B-38-0016 as shown on the Detour Plan or as directed by the engineer.

When, in the fall of 2015, after completion of the pile driving and sheet piling for the pier protection system, and weather conditions or seasonal restrictions preclude the satisfactory performance of further work under this contract, the engineer will, in writing, suspend operations until the spring of 2016. Construction operations shall be resumed in the spring of 2016 within ten days after the date on which a written order to do so has been issued by the engineer.

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 Removal of Existing Dolphins and Walkways.
Birds

4. 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 Bridge traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday periods:

- From noon Friday, September 4, 2015 to 6:00 AM Tuesday, September 8, 2015 for Labor Day;
- From noon Wednesday, November 25, 2015 to 6:00 AM Monday, November 30, 2015 for Thanksgiving;
- From noon Wednesday, December 23, 2015 to 6:00 AM Monday, December 28, 2015 for Christmas;
- From noon Wednesday, December 30, 2015 to 6:00 AM Monday, January 4, 2016 for New Year's Day.

107-005 (20050502)

5. Utilities.

This contract comes under the provision of Administrative Rule Trans 220.

No utilities are located within the project area.

107-065 (20080501)

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 for disinfection:

- 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;
- Drain all water from boats, trailers, bilges, live wells, coolers, bait buckets, engine compartments, and any other area where water may be trapped;
- 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
- Disinfect your boat, equipment and gear by either:
 - Washing with ~212° F water (steam clean), or
 - Drying thoroughly for five days after cleaning with soap and water and/or high pressure water, or
 - 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.

Supplement standard spec 107.19 with the following:

The Menominee River is classified as a navigable waterway.

107-060 (20040415)

8. Coordination with US Coast Guard.

The department has coordinated with the US Coast Guard (USCG) and a Section 10 bridge permit is not required because the character and permitted clearances of the bridge will not be altered with the proposed repairs. However, the contractor is required to obtain a Private Aids to Navigation Permit from the USCG for any placement of buoys in the Menominee River. The contractor is also required to contact and coordinate with the USCG 30 days prior to any construction operations that temporarily alter navigational

clearances or place equipment in or over the waterway and may impede navigation. The contractor is required to receive authorization from USCG prior to proceeding with the work under this contract.

The following US Coast Guard contacts are being provided to the contractor for the necessary coordination (email contact preferred):

Scot Striffler	Phone: (216) 902-6087	Email: Scot.M.Striffler@uscg.mil
Blair Stanifer	Phone: (216) 902-6086	Email: William.B.Stanifer@uscg.mil
Lee Soule	Phone: (216) 6085	Email: Lee.D.Soule@uscg.mil

Commander (dpb)
Ninth Coast Guard District
1240 E. 9th St. Room 2047B
Cleveland, Ohio 44199-2001

As part of the 30 day advanced notice, the contractor shall provide the USCG with the following information:

- 1) Mailing address for contractor's company.
- 2) Start and stop dates of the project.
- 3) Normal work days and hours.
- 4) contractor phone number that will be provided to the public and used by mariners/boaters for advanced notice of bridge arrival/passage.
- 5) Confirmation that contractor will monitor VHF-FM Marine Radio Channel 16 for advanced notification from arriving/passing boaters.

Once the contractor receives an official response/authorization from USCG to proceed with the work, the contractor shall notify all known affected marine entities of the schedule of construction activities and waterway impacts/restrictions. The USCG may revise or rescind the authorization at any time, should the needs of navigation change, or if safety concerns arise. The contractor shall also contact the USCG if any conditions of the construction project change.

The contractor shall stage work to keep at least half of the main river channel (located under the bridge's Central Span) open at all times and move barges as necessary to accommodate marine traffic. Any barges within the main channel shall also be moved and parked along the river bank when the contractor is not working. Barges are required to be lighted in accordance to navigation rules.

The contractor shall utilize a spotter to warn bridge workers of approaching vessels and suspend work if needed. 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 USCG 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 USGC 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 considered incidental to the structure bid items for B-59-33.

9. 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.

10. Notice to Contractor, Asbestos Containing Materials on Structure.

James Gondek, License Number All-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 in accordance to standard spec 107.24. Keep material wet until it is abated.
107-120 (20120615)

11. Access to the Work.

No separate payment will be made for transportation to and from floating equipment and temporary or permanent construction in the channel, these costs shall be included in the unit prices bid for related work items.

12. Contractor Responsibility.

Supplement standard spec 107.14 as follows:

Permits

It is the contractor's responsibility to obtain any required permits from the United States Coast Guard, the Corps of Engineers and any other agencies requiring a permit for the construction of this project that has not been obtained by the state.

The United States Coast Guard (USCG) has reviewed the project scope and determined that the planned work will not require a Bridge Permit. Though, coordination with USCG is required 30 days prior to the start of any work that temporarily alters the navigation clearances or places equipment in or over the waterway that may impede navigation.

The department has obtained Wisconsin Department of Natural Resources Water Quality Certification. The project is authorized by the United States Army Corps of Engineers under General Permit GP-004-WI. Activities authorized under this permit include discharges of dredged material incidental to the project including the pier protection cells. If the contractor proposes using causeways or approach fills, the contractor shall apply for and obtain all applicable state and federal permits.

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 in accordance 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 4 copies of all shop drawings and other submittals for approval. One marked-up copy will be returned with comments.

13. Removal of Existing Dolphins and Walkways, Item SPV.0105.01.

A Description

This special provision describes removing and properly disposing of the existing timber dolphins and the walkways between dolphins and the bridge piers as shown in the plans and as directed by the engineer.

B (Vacant)

C Construction

The removal and disposal work shall be performed according to the pertinent provisions of standard spec 203, except as herein specified. The dolphins shall be pulled out completely in order to avoid obstruction with the installation of the piles for the new dolphins. The removal of walkways shall not damage the timber fenders on the bridge piers.

D Measurement

The department will measure Removal of Existing Dolphins and Walkways as a single lump sum unit of work, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.01	Removal of Existing Dolphins and Walkways	LS

Payment is full compensation for removal and disposal of existing dolphins and walkways.

14. Excavation for Protection Cells, Item SPV.0105.02.**A Description****A.1 General**

This special provision describes removing and properly disposing of all materials that are to be removed from inside the protection cells as shown in the plans. Perform this work in accordance to the requirements of the plans and the pertinent provisions of standard spec 206, except as herein specified.

B (Vacant)**C Construction****C.1 Disposal of Material**

Properly dispose of excavated materials at a disposal site pre-approved by the department.

D Measurement

The department will measure Excavation for Protection Cells as a single lump sum unit of work, acceptably completed. Only accepted work, completed in accordance to the requirements of the plans, specifications, and contract will be measured for payment.

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	Excavation for Protection Cells	LS

Payment is full compensation for excavation and proper disposal of all material.

15. Treated Lumber and Timber for Fenders and Walkways, Item SPV.0105.03.

A Description

This special provision describes furnishing and installing fender timbers and walkway timbers, as shown in the plans. This work shall also include furnishing and installing all connecting hardware in accordance to standard spec 507, as shown in the plans, and as hereinafter provided.

B Materials

All materials shall be in accordance to the provisions of standard spec 507 and as follows.

- The timbers shall be pressure treated dense growth #1 common, Pacific Coast Douglas Fir or Southern Yellow Pine.
- The hardware for connecting the fender system shall be steel ASTM A307 or equal and shall be hot dipped galvanized in accordance to ASTM A153.
- The stainless steel lag screws shall be in accordance to standard spec 513.2.2.5.

C Construction

Install in accordance to standard spec 507 and as shown in the plans.

D Measurement

The department will measure Treated Lumber and Timber for Fenders and Walkways as a single lump sum unit of work, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.03	Treated Lumber and Timber for Fenders and Walkways	LS

Payment is full compensation for furnishing and installing the treated lumber and timber for fenders and walkways; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the contract work. All hardware including plates, bolts and lag screws necessary to install the fenders and walkways shall be included in this bid item.

16. Pier Protection System, Item SPV.0105.04.

A Description

A.1 General

Construct a complete pier protection system including four protection cells (dolphins), rubber bumpers and cable assemblies. Perform all work of this item in accordance to all applicable requirements of the standard specifications, except as modified herein or shown in the plans.

A.2 Soil Information

The soil information is available in the original bridge plans available from the department. This information will be provided for information only and shall not relieve the contractor of his responsibility of investigating all local conditions before bidding.

A.3 Submittals

Submit complete construction drawings, shop details, erection drawings, etc. for engineer's review in accordance to the article contractor Responsibility of these special provisions. The submittals shall completely describe the materials and products proposed for use.

B Materials

B.1 Protection Cells (Dolphins)

The steel sheet piling shall be the arch web type with 3/8" thick web conforming to ASTM A328 with minimum interlock strength of 12 kips/inch and capable of being set to a swing of up to 10 degrees.

The plates, angles, steel H-piles and other miscellaneous steel shall be ASTM A36.

Concrete for seal and cap shall be Grade A, furnished and placed in accordance to the applicable requirements of standard specs 501 and 502.

Reinforcement steel shall be high strength bar steel reinforcement in accordance to standard spec 505.

The granular fill shall be furnished and placed in accordance to the applicable requirements of section 209 of the standard specifications, except that the gradation shall be as follows:

Sieve Size	% by Weight Passing
3"	100
No. 4	0-10

B.3 Rubber Bumpers

All rubber bumpers shall be manufactured from black rubber. The rubber shall conform to the requirements of ASTM D2000 and of the designation code recommended by the manufacturer for the intended usage. The rubber bumpers shall be as manufactured by Uniroyal, Inc., Goodyear; General Tire; Lord Corp.; or approved equal.

All rubber bumpers shall be 8" x 8" with a continuous 3" diameter hole through the center. The lengths shall be as indicated in the plans.

B.4 Cable Assemblies for Rubber Bumpers

The wire rope shall be 3/4" diameter 6 x 19 IWRC, regular lay, improved plow steel galvanized wire rope with a minimum breaking strength of 48 kips.

The wire rope and fittings shall conform to ASTM Standard A741 for metallic-coated steel wire rope and fittings.

The cable clips shall consist of forged steel saddles and steel U-bolts.

All hardware, pipe sleeves and fittings are to be hot dip galvanized in accordance to ASTM A153.

C Construction

C.1 Protection Cells

C.1.1 Install sheet piles in accordance to standard spec 512.

C.1.2 Drive steel sheet piling accurately in required locations, such that the center of the completed protection cell at the top of the piles shall be within 3" from the plan location and the protection cell shall not be out of plumb more than $\frac{1}{4}$ " per foot of height. Drive all sheet piles to specified depth. Cut off all sheet piles at the elevation shown in the plans. Obstructions, such as cobblestones may be encountered. If any piles cannot be driven to the specified depth, notify the engineer in writing and seek remedial measures. Do not cut piles until accepted by engineer in writing.

C.1.3 After the steel sheet pile cylinder is in place; drive steel H-piles to refusal in rock in accordance to standard spec 550. Install armor and hoop plates and angle supports for bumper cables as shown in the plans and specified herein.

C.1.4 Grind tops of piles smooth and round the top edges.

C.1.5 Excavate all material within the interior of the protection cell to the elevation indicated in the plans. Properly dispose of excavated materials at a disposal site pre-approved by the department.

C.1.6 Clean and paint sheet piles, hoop plates and anchor assemblies with a three-coat system as specified below.

C.1.7 Place concrete seal and cure it for seven days.

C.1.8 Place granular fill up to the elevation shown in the plans. Level the top surface of the fill and cover it with waterproof paper or 6-mil polyethylene sheeting.

C.1.9 Place concrete cap on top of the granular fill. Properly place and secure items embedded in concrete such as reinforcing steel so that they do not shift during placement of concrete. Wood-float finish the concrete surface, slope as indicated, and round the edges as shown in the plans.

C.1.10 A concrete plug with a lifting hook of capacity three times the weight of the plug shall be cast on the side and lifted in-place after curing it for ten days.

C.1.11 Paint both faces of the steel sheet piling from the top to bottom prior to driving, except for the inside surfaces which will be in contact with the concrete cap. Also paint all surfaces of the channels and plates. Clean all surfaces that are to be painted so as to remove all rust, mill scale, oil and grease. After cleaning, sand-blast the surfaces to be painted to a SSPC-SP6 "Commercial Blast". Sandblasting shall be continuous through the groove of the pile interlocks.

The surfaces described shall receive the primer and second coat of the three-coat SSPC Painting System Specification No. 10.02 (Cold Applied Coal Tar Mastic Painting System). Surfaces shall be dry and free of dust, grit, oil or grease at the time of coating. The timing of the second coat shall be in accordance to the manufacturer's instructions. The primer shall be minimum 15-mils thick and the second coat shall be minimum 10-mils thick.

After the piling has been driven, aligned and cut-off, remove paint where reinforcing plates are to be welded. Piles shall receive touch-up painting prior to attaching plates and angles. After plates and angles have been installed, they shall also receive touch-up painting. All exposed steel surfaces shall be given a third coat no sooner than two weeks after the touch-up paint is applied. The third (top) coat shall be Federal Specification MIL-C-15203 (Coating Compound, Bituminous, Emulsion Type, Coal Tar Base) and shall be a minimum 10-mil thick.

Tops of piles shall be ground smooth and given two touch-up coats after cut-off. Top edges shall be rounded.

Mixing and thinning of the coating material shall be in accordance to the manufacturer's instructions. Furnish to the engineer six brochures of the proposed paint system. Provide sufficient information for evaluation and description of procedures for application.

C.2 Rubber Bumpers

Install rubber bumpers on the protection cells as shown in the plans.

C.3 Cable Assemblies for Rubber Bumpers

Provide cable end connections as detailed in the plans. All cable end connection assemblies shall withstand a minimum breaking strength of 48 kips.

After the cable assemblies are completed, properly adjust them, make them uniformly taut and loosened to the extent required to relieve most of any prestress in the wire ropes directed by the engineer.

D Measurement

The department will measure Pier Protection System, completed in accordance to the contract and accepted, as a single lump sum unit of work. The excavation for protection cells will be measured separately according to the special provision titled Excavation for Protection Cells.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.04	Pier Protection System	LS

Payment is full compensation for furnishing all steel sheet piling, H-piles, pile points for H-piles, tip reinforcement of sheet piles, structural plates, channels and angles, welding and connections, excavation and proper disposal of all material, reinforcing steel, concrete for seal and cap, granular fill and miscellaneous items. The excavation for protection cells is included in bid item "Excavation for Protection Cells".

Payment is full compensation for furnishing and installing all rubber bumpers; hardware, fittings and cable assemblies including the field drilling of holes in piles for cable clips.

17. Electrical Work, Item SPV.0105.05.

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 the installation of new Traffic Warning Gates, new dolphin Navigation Lights, new Fully Closed Limit Switches on the Ogden Street Bascule Bridge as shown on the plans and specified herein. Scope of work also requires removal and proper disposal or salvage of the corresponding existing equipment. See plans and detailed descriptions of new equipment within this special provision for additional information.

See electrical plans for required electrical equipment, installation locations, and additional wiring information. Equipment voltages shall match existing – contractor shall field verify.

Adjust all limit switches as part of this bid item.

Furnish at no extra cost any device, material, labor or effort not herein specified or shown on the plans, yet required to complete the bridge electrical systems to the satisfaction of the engineer.

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 applicable 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. The space shown on the plans for the electrical equipment are approximate and not intended to represent the exact space needed for the equipment. Lay out the exact size, location, and raceway routing of all 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. Zinc plating is not acceptable.

In so far as practical, major items of electrical equipment must be products of the same manufacturer 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.

Install metering and connect incoming power lines in conformance with the requirements of the local utility.

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.

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 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 in related electrical, machinery, and structural parts shall be made at no additional cost.

The burden of proof for equivalency shall be contractor's responsibility, and the engineer reserves the right to request any 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.

Where exposed, provide threaded rigid galvanized steel conduit. Conduit bodies and device boxes shall be die cast aluminum with aluminum covers and gaskets.

Provide stainless steel strut and hardware for supports unless otherwise indicated.

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

In general, field route conduits as required. 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. Where possible, conceal conduits from view when the bridge is in the closed position.

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, in accordance to ASTM B3.

B.4.1 General

Unless otherwise stipulated, all wires shall be THHN/THWN-2 and shall be drawn into conduits.

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

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 printed on durable fiber tags or on metal or plastic bands. Label 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 Traffic Warning Gates and Warning Bells

B.5.1 General

Remove all existing traffic gates and replace with new traffic gates at same locations. See plans for details. Reuse existing wiring from bridge house to existing traffic gates. Terminate existing wiring to new traffic gates. Operating mechanisms and limit switch operation shall match existing.

Each traffic gate shall consist of heavy duty housing and a counterweighted gate arm with warning lights. In addition, the northwest and southeast gates (for oncoming traffic in both directions) shall each be equipped with a motor operated warning bell.

Warning bells shall be designed to be attached to the top of the gate housings and each bell shall be provided with a steel gong 12" in diameter and not less than 1" in depth. Each bell shall have a motor-operated clapper. All moving parts, except clapper, shall be enclosed in a weatherproof case. The bell case shall be of cast iron and of a design that provides for a separate compartment for the operating mechanism. It shall be provided with an overhanging hood so that the clapper is protected against injurious exposure and it shall be provided with a cast iron lockable hinged door with watertight gasket. The bell shall operate with a clear ringing sound of steel. Warning bells shall be 120 VAC, single-phase.

The gate arm lengths shall be as indicated on the drawings and the roadway arms shall be within one foot of meeting at the centerline of the roadway when the gates are in the down position.

The gate and all related equipment, except lamps and fuses, shall be guaranteed against material and workmanship for a period of 5 years from the date of shipment. The gate manufacturer shall have a minimum of 5 years' experience in the manufacture of industrial gates and barriers and shall furnish replacement parts for a minimum of 10 years from the date of shipment. Replacement parts shall normally be available within 24 hours.

The warning gates shall be as manufactured by Roadway Manufacturing, or approved equal.

All hardware and electrical components shall be suitable for proper operations under outdoor exposure, humid conditions and temperatures up to -30° F.

B.5.2 Housing

Fabricate gate housings from rust and corrosion resistant, hot-dip galvanized steel to be weatherproof and shall be of ample size to house the operating mechanism, electrical equipment and wiring. A removable top cover and lockable front and rear doors shall be provided for convenient ready access to the mechanism. Padlocks, keyed alike, for each door shall also be provided. The cover and doors shall be sealed with neoprene strip gaskets and the arm shaft openings shall be equipped with "O" ring seals to make the housing water and dust proof.

Housing bases shall be provided with four holes for mounting to the existing foundations. Base bolt hole diameters and spacing shall match existing. Existing anchor bolts shall be reused. Provide new nuts and washers. Coordinate with concrete foundation repairs, if required.

B.5.3 Mechanism

Provide traffic gate transmissions that are all gear, direct drive units running in an oil bath. The drive train shall not use bolts or chains and shall be connected to the arm shaft with an adjustable connecting rod having self-aligning ball ends. A solenoid release, automatic motor brake shall be furnished as part of the gate drive mechanism. The brake shall automatically release when the handcrank is inserted to manually operate the gate. Provide a handcrank with each gate to operate the gate during a power failure. Door safety switches must automatically break the control circuit power when the door is opened for manual operation.

The gate limit switch shall be a unit assembly containing eight individual switches having one set of normally open and one set of normally closed contacts each. Contacts shall be totally enclosed and shall have U.L. rating of not less than 15 amperes at 220 volts AC. Limit switch shall be readily accessible and easily replaced with normal hand tools. Each individual switch shall be controlled by an independent cam, which shall be adjustable

with a single set screw. The limit switch body, shafts and cams shall be of corrosion resistant non-ferrous materials.

During the opening and closing cycles, the gate arm shall accelerate smoothly from zero to maximum velocity at mid stroke (45 degrees). The arm must decelerate smoothly to zero velocity from full stroke (90 degrees) preventing bounce or whip of the arm.

B.5.4 Motor

Provide motors with the voltage and number of phases to match existing gates. The motor shall be of the flange mounted type, attached to the transmission case with not less than four bolts. To permit reversing movement of the arms at any point of travel, the motor shall be of the instant reversing type. Gate operator motors shall be 480 VAC, 3-phase.

B.5.5 Gate Arm

Provide gate arms fabricated from aluminum/fiberglass combination designed to be durable. Fabricate gate arms from high strength fiberglass and 6061-T6 aluminum tubing. The arms shall be covered on both sides with 16" alternating red and white engineering grade reflectorized sheeting. The arm base shall consist of a break-away shear pin base. The shear pin base and lightweight arm assembly shall be designed for easy, rapid reinstallation or replacement by one person. Each gate shall be equipped with a suitable hot dip galvanized steel counterweight providing for 10% adjustment. The gate arm shall be balanced in any position. The counterweights and arms shall be sized to clear all surrounding obstructions. Gate arm lengths shall match existing. Height of arms above roadway shall match existing.

B.5.6 Gate Arm Lights

Provide gate arm lights of waterproof, shock and corrosion resistant construction with heavy cast aluminum housings and a 360 degree red lens fitted in the base with an "O" ring seal. Three lights shall be mounted on each roadway arm. The tip arm lights shall be steady burn and the inner two arm lights shall alternately flash. Gate arm lights shall be 120 VAC, single-phase.

B.5.7 Accessories

Provide solid state flashers having two alternate circuits and one steady burn circuit. Provide a heater for each traffic gate rated at 175-W with a thermostat.

B.6 Navigations Lighting

B.6.1 General.

Remove all existing dolphin navigation lighting and replace with new navigation lighting. See plans for details. Provide new conduit and wiring. Install conduit and wiring on new walkways and new dolphins. Connect navigation light system to existing power panel and existing electronic timer within bridge house.

Provide LED navigation lights having sufficient candlepower to be visible against background lighting at a distance of at least 2000 yards 90 percent of the nights of the year. The lights shall be located as shown on the Plans. Fresnel lens lanterns shall be used at all navigation lights. All navigation lighting shall be 120 VAC, single-phase.

Each navigation light shall consist of a cast bronze or aluminum body, 8-inch, 180 degree red fresnel drum lenses, vibration-proof marine type receptacle, 2-inch diameter hot-dipped galvanized schedule 40 steel pipe pedestal, companion flange, and connecting bolts as required. Each light shall have a hinged lockable door to provide ready access to the interior. Fasteners shall be designed so that they cannot be lost while the light is being serviced. Joints shall be gasketed construction to ensure water tightness. The pier lights shall be designed to take one LED lamp, focused for the respective lens.

B.6.2 Wiring.

Each light assembly shall be fully wired and tested at the factory. The assembly shall be prewired to the extent possible. A wiring diagram shall be mounted inside the battery enclosure door.

B.7 Fully Closed Limit Switches

B.7.1 General

Remove existing fully closed limit switches and install at same locations new fully closed limit switches. See plans for details. Reuse existing conduit and wiring.

Plunger Limit Switch shall be Model LSP by B&B Roadway, LLC, (888) 560-2060 to match existing limit switch, to minimize cost of installation, and minimize disruption to bridge operation. If equivalent limit switch is proposed sufficient information shall be submitted for evaluation and approval by the engineer.

B.7.2 Construction

Switch shall be a weather-sealed design, with neoprene gaskets between exterior bolted connections. Cover shall be designed to positively retain a gasket. Drain plugs and a breather shall allow condensation to evaporate or drain from housing. Construction shall be heavy duty, durable and suitable for marine environment. All materials shall be non-corrosive, such as aluminum, bronze, stainless steel or non-metallic. Finish shall be painted aluminum or safety orange, as specified.

B.7.2 Plunger

Plunger extension shall permit at least .75" field adjustment and shall have a ball end. Design shall also allow for simple field swapping of service cover hand. Plunger shaft shall be stainless steel. Pre-travel shall be approximately 1.50" with a minimum overtravel of 2.00".

B.7.3 Activation Mechanism

Trip plate shall be spring loaded with an over-center mechanism to provide simultaneous, positive, accurate, and repeatable snap-action activation of all switches. Trip point shall be field adjustable by simple adjustment of plunger extension.

B.7.4 Circuit Switches

The number of circuits shall match existing limit switch. Each circuit shall provide independent normally open and normally closed sets of contacts (1 NO and 1 NC). Heavy-duty snap-action microswitches shall be double-break type to increase contact life. Individual switches shall be rated for 15A make / 40A break at 120V (see manufacturer for ratings at other voltages). Switches shall have clearly labeled screw-type compression wire connections and corrosion-resistant contacts.

B.7.5 Conduit Entry

A 1" conduit hub shall be provided for wire entry. Housing shall be pre-drilled to permit switching the hub to either side of the housing. Second opening shall be sealed with an o-ring and cover plate.

B.8 Spare Parts

Furnish the following spare parts:

- 1 Red lens for pier navigation lights
- 1 lamp for each navigation light furnished
- 1 lamp assembly for each gate arm

B.9 Defective Materials and Workmanship

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

B.10 Shipping, Storage, and Protection of Equipment

All major items of equipment shall be shipped fully assembled to the bridge site and installed at their final positions. If storage is required prior to installation, the equipment shall be stored indoors in a dry building and the equipment shall be covered by plastic or waterproof tarps.

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 comply with the plans and special provisions. If not in compliance, provide written explanation marked on or attached to the submittal(s).

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 in accordance 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.

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, 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.5 Operation and Maintenance Manual

Provide four copies of an Operation & Maintenance (O&M) manual covering all the electrical equipment installed to operate the bridge. O&M manual to contain the following in a single 3-ring binder:

- Operating instructions for the bridge.
- Complete BOM with manufacturer's name and part numbers of all the electrical equipment provided and installed as part of this bid item.
- Approved, as-built shop drawings.
- Contact information for equipment suppliers.

C.6 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 acceptance testing.

C.7 Final Acceptance Testing by the Engineer

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

C.8 Training

Provide one day of training at the bridge for bridge personnel to be trained in the operation and maintenance of bridge electrical system and equipment.

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 item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.05	Electrical Work	LS

Payment is full compensation for removing existing electrical component, and furnishing and installing new electrical components, control system, and documentation for the bascule span.

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:

450.3.2.1 General

Replace the entire text with the following effective with the January 2015 letting:

- (1) Do not place asphaltic mixture when the air temperature approximately 3 feet above grade, in shade, and away from artificial heat sources is less than 36 F for upper layers or 32 F for lower layers unless the engineer allows in writing. The contractor should place HMA pavement for projects on or north of STH 29 between May 1 and October 15 inclusive and for projects south of STH 29 between April 15 and November 1 inclusive. Notify the engineer at least one business day before paving.
 - (2) Unless the contract specifies otherwise, conform to the following:
 - Keep the road open to all traffic during construction.
 - Prepare the existing foundation for treatment as specified in 211.
 - Incorporate loose roadbed aggregate as a part of preparing the foundation, in shoulder construction, or dispose of as the engineer approves.
 - (3) Place asphaltic mixture only on a prepared, firm, and compacted base, foundation layer, or existing pavement substantially surface-dry and free of loose and foreign material. Do not place over frozen subgrade or base, or where the roadbed is unstable.
-

450.5 Payment

Replace the entire text with the following effective with the May 2015 letting:

- (1) All costs of furnishing, maintaining, and operating the truck scale or other weighing equipment and furnishing the weigh tickets are incidental to the contract.
 - (2) Nonconforming material allowed to remain in place is subject to price adjustment under 105.3.2.
 - (3) Full-depth sawing to remove integrally placed safety edge where not required is incidental to the contract.
 - (4) The contractor is responsible for the quality of HMA pavement placed in cold weather. If because of an excusable compensable delay under 108.10.3, the engineer directs the contractor to pave when the temperature is less than 36 F for the upper layer or less than 32 F for lower layers, the department:
 - Will relieve the contractor of responsibility for damage and defects the engineer attributes to cold weather paving.
 - Will not assess disincentives for density or ride.
-

455.3.2.1 General

Replace the paragraphs one and two with the following effective with the January 2015 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 dry and reasonably free of loose dirt, dust, or other foreign matter. Do not apply if weather or surface conditions are unfavorable or before impending rains.
- (2) Use tack material of the type and grade the contract specifies. The contractor may, with the engineer's approval, dilute tack material as allowed under 455.2.4. Provide calculations using the asphalt content as-received from the supplier and subsequent contractor dilutions to show that as-placed material has 50 percent or more residual asphalt content. Apply at 0.050 to 0.070 gallons per square yard, after dilution, unless the contract designates otherwise. The engineer may adjust the application rate based on surface conditions. Limit application each day to the area the contractor expects to pave during that day.

460.2.2.3 Aggregate Gradation Master Range

Replace paragraph one with the following effective with the December 2014 letting:

- (1) Ensure that the aggregate blend, including recycled material and mineral filler, conforms to the gradation requirements in table 460-1. The values listed are design limits; production values may exceed those limits.

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

SIEVE	PERCENTS PASSING DESIGNATED SIEVES						
	NOMINAL SIZE						
	37.5 mm	25.0 mm	19.0 mm	12.5 mm	9.5 mm	SMA 12.5 mm	SMA 9.5 mm
50.0-mm	100						
37.5-mm	90 – 100	100					
25.0-mm	90 max	90 - 100	100				
19.0-mm	—	90 max	90 - 100	100		100	
12.5-mm	—	—	90 max	90 - 100	100	90 - 97	100
9.5-mm	—	—	—	90 max	90 - 100	58 - 72	90 - 100
4.75-mm	—	—	—	—	90 max	25 - 35	35 - 45
2.36-mm	15 – 41	19 - 45	23 - 49	28 - 58	20 - 65	15 - 25	18 - 28
75-µm	0 – 6.0	1.0 - 7.0	2.0 - 8.0	2.0 - 10.0	2.0 - 10.0	8.0 - 12.0	10.0 - 14.0
% MINIMUM VMA	11.0	12.0	13.0	14.0 ^[1]	15.0 ^[2]	16.0	17.0

^[1] 14.5 for E-0.3 and E-3 mixes.

^[2] 15.5 for E-0.3 and E-3 mixes.

460.3.4 Cold Weather Paving

Add a new subsection as follows effective with the May 2015 letting:

460.3.4 Cold Weather Paving**460.3.4.1 Cold Weather Paving Plan**

- (1) Submit a written cold weather paving plan to the engineer at the preconstruction meeting. In that plan outline material, operational, and equipment changes for paving when the air temperature approximately 3 feet above grade, in shade, and away from artificial heat sources is less than 40 F. Include the following:
- Use a department-accepted HMA mix design that incorporates a warm mix additive from the department's approved products list. Do not use a foaming process that introduces water into the mix.
 - Use additional rollers.

- (2) Engineer written acceptance is required for the cold weather paving plan. Engineer acceptance of the plan does not relieve the contractor of responsibility for pavement performance except as specified in 450.5(4).

460.3.4.2 Cold Weather Paving Operations

- (1) Do not place asphaltic mixture when the air temperature approximately 3 feet above grade, in shade, and away from artificial heat sources is less than 40 F unless a valid engineer-accepted cold weather paving plan is in effect.
- (2) If the national weather service forecast for the construction area predicts ambient air temperature less than 40 F at the projected time of paving within the next 24 hours, confirm or submit revisions to a previously engineer-accepted cold weather paving plan for engineer validation. Upon validation of the plan, the engineer will allow paving for the next day. Once in effect, pave conforming to the engineer-accepted cold weather paving plan for the balance of that work day or shift regardless of the temperature at the time of paving.

460.4 Measurement

Add paragraph two as follows effective with the January 2015 letting:

- (2) The department will measure HMA Cold Weather Paving by the ton of HMA mixture for pavement placed conforming to an engineer-accepted cold weather paving plan.

460.5.1 General

Revise paragraph one as follows effective with the January 2015 letting:

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

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
460.1100	HMA Pavement Type E-0.3	TON
460.1101	HMA Pavement Type E-1	TON
460.1103	HMA Pavement Type E-3	TON
460.1110	HMA Pavement Type E-10	TON
460.1130	HMA Pavement Type E-30	TON
460.1132	HMA Pavement Type E-30X	TON
460.1700	HMA Pavement Type SMA	TON
460.2000	Incentive Density HMA Pavement	DOL
460.4000	HMA Cold Weather Paving	TON

460.5.2.2 Disincentive for HMA Pavement Density

Revise paragraph two as follows effective with the January 2015 letting:

- (2) The department will not assess density disincentives for pavement placed in cold weather because of a department-caused delay as specified in 450.5(4).

460.5.2.4 Cold Weather Paving

Add a new subsection as follows effective with the May 2015 letting:

460.5.2.4 Cold Weather Paving

- (1) Payment for HMA Cold Weather Paving is full compensation for additional materials and equipment specified for cold weather paving under 460.3.4 including costs for preparing, administering, and following the contractor's cold weather paving plan. The department will not pay for HMA Cold Weather Paving for HMA placed on days when the department is assessing liquidated damages.
- (2) If HMA pavement is placed under 460.3.4 and the HMA Cold Weather Paving bid item is not in the contract, the department will pay for the additional costs specified in 460.5.2.4(1) as extra work. The department will pay separately for HMA pavement under the appropriate HMA Pavement bid items.

465.2 Materials

Replace paragraph two with the following effective with the December 2014 letting:

- (2) Under the other 465 bid items, the contractor need not submit a mix design. Furnish aggregates mixed with a type AC asphaltic material, except under the Asphaltic Curb bid item furnish PG58-28 asphaltic material. Use coarse and fine mineral aggregates uniformly coated and mixed with the asphaltic material in an engineer-approved mixing plant. The contractor may include reclaimed asphaltic pavement materials in the mixture.

506.3.2 Shop Drawings

Replace the entire text with the following effective with the May 2015 letting:

- (1) Ensure that shop drawings conform to the contract plans and provide additional details, dimensions, computations, and other information necessary for completely fabricating and erecting the work. Include project and structure numbers on each shop drawing sheet.
- (2) Check shop drawings and submit electronically to the department for review before beginning fabrication. For primary fabrication items, also certify that shop drawings conform to quality control standards by submitting department form DT2333. Department review does not relieve the contractor from responsibility for errors or omissions on shop drawings.
- (3) Shop drawings are part of the contract. The department must approve differences between shop drawings and contract plans. The contractor bears the costs of department-approved substitutions. Do not deviate from or revise drawings without notifying the department and resubmitting revised drawings.
- (4) Ensure that the fabricator delivers 3 sets of shop drawings for railroad structures to the railroad company upon contract completion.

Bid Items Added

Add the following new bid item effective with the January 2015 letting:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
460.4000	HMA Cold Weather Paving	TON

Errata

Make the following corrections to the standard specifications:

501.3.2.4.4 Water Reducer

Correct errata by deleting the reference to footnote 6 for grade D concrete.

- (1) Add a water reducing admixture conforming to 501.2.3. Determine the specific type and rate of use based on the atmospheric conditions, the desired properties of the finished concrete and the manufacturer's recommended rate of use. The actual rate of use shall at least equal the manufacturer's recommended rate, and both the type and rate used require the engineer's approval before use.

506.5 Payment

Correct errata by changing the reference to 506.3.22.

- (9) The department will limit costs for inspections conducted under 506.3.22 to \$0.05 per pound of material and deduct costs in excess of that amount from payment due the contractor. The department will determine costs for in-house inspections based on hourly rates for department staff plus overhead and use invoiced costs for contracted-out inspections. The department will administer deductions for the contractor's share of the total inspection cost under the Excess Costs For Fabrication Shop Inspection administrative item.

ADDITIONAL SPECIAL PROVISION 7

- A. Reporting 1st Tier and DBE Payments During Construction
1. Comply with reporting requirements specified in the department's Civil Rights Compliance, Contractor's User Manual, Sublets and Payments.
 2. Report payments to all DBE firms within 10 calendar days of receipt of a progress payment by the department or a contractor for work performed, materials furnished, or materials stockpiled by a DBE firm. Report the payment as specified in A(1) for all work satisfactorily performed and for all materials furnished or stockpiled.
 3. Report payments to all first tier subcontractor relationships within 10 calendar days of receipt of a progress payment by the department for work performed. Report the payment as specified in A(1) for all work satisfactorily performed.
 4. All tiers shall report payments as necessary to comply with the DBE payment requirement as specified in A(2).
 5. Require all first tier relationships, DBE firms and all other tier relationships necessary to comply with the DBE payment requirement in receipt of a progress payment by contractor to acknowledge receipt of payment as specified in A(1), (2), (3) and (4).
 6. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4) and (5), and shall be binding on all first tier subcontractor relationships and all contractors and subcontractors utilizing DBE firms on the project.
- B. Costs for conforming to this special provision are incidental to the contract.

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:

Use the following link prior to June 19, 2015:

<http://www.dot.wi.gov/business/civilrights/laborwages/index.htm>

Use the following link beginning June 19, 2015:

<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 Tess Mulrooney at 608-267-4489 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 send several sample electronic files to Tess two months before a payroll needs to be submitted. 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:

Use the following link prior to June 19, 2015:

<http://www.dot.wi.gov/business/civilrights/laborwages/docs/crc-payroll-manual.pdf>

Use the following link beginning June 19, 2015:

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

Effective June 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.

Use the following link prior to June 19, 2015:

<http://roadwaystandards.dot.wi.gov/standards/cmm/cm-02-28.pdf#cm2-28.5>

Use the following link beginning June 19, 2015:

<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:

Use the following link prior to June 19, 2015:

<http://roadwaystandards.dot.wi.gov/standards/forms/ws4567.doc>

Use the following link beginning June 19, 2015:

<http://wisconsindot.gov/rdwy/worksheets/ws4567.doc>

Effective with September 2004 Letting

**WISCONSIN DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS AND TRANSPORTATION FACILITIES**

SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS

- I. Wage Rates, Hours of labor and payment of Wages
- II. Payroll Requirements
- III. Postings at the Site of the Work
- IV. Affidavits
- V. Wage Rate Redistribution
- VI. Additional Classifications

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

The schedule of "Minimum Wage Rates" attached hereto and made a part hereof furnishes the prevailing wage rates that have been determined pursuant to Section 103.50 of the Wisconsin Statutes. These wage rates are the minimum required to be paid to the various 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 103.50, Stats. If necessary to employ laborers, workers, mechanics or truck drivers whose classification is not listed on the schedule, they shall be paid at rates conformable to those listed for similar classifications. Apprentices shall be paid at rates not less than those prescribed in their state indenture contracts.

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 103.50 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 rate of pay. All work on Saturday, Sunday and the following holidays is to be paid at time and a half: (1) January 1, (2) the last Monday in May, (3) July 4, (4) the first Monday in September, (5) the fourth Thursday in November, (6) December 25, (7) the day before if January 1, July 4 or December 25 falls on a Saturday and (8) 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, eculid 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.

For those projects subject to the requirements of the Davis-Bacon Act, the Secretary of Labor will also have determined "Minimum Wage Rates" for work to be performed under the contract. These rates are, for all or most of the labor, worker, mechanic or truck driver classifications, identical to those established under Section 103.50 of the Wisconsin Statutes. In the event the rates are not identical, the higher of the two rates will govern.

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 103.50 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 place at the site of work:

- a. "NOTICE TO EMPLOYEES," which provides information required to be posted by the provisions of Section 103.50 of the Wisconsin Statutes.
- b. A copy of the State of Wisconsin Minimum Wages Rates. (Four pages.)
- c. A copy of the contractor's Equal Employment Opportunity Policy.
- d. On any project involving federal aid, in addition to the furnished postings, the contractor shall post a copy of the "Davis-Bacon Act, Minimum Wage Rates". (Three pages.)

IV. WAGE RATE REDISTRIBUTION

The amount specified as the hourly basic rate of pay and the amount(s) specified as the fringe benefit contribution(s), for all classes of laborers, workers, mechanics or truck drivers may be redistributed, when necessary, to conform to those specified in any applicable collective bargaining agreement, provided that both parties to such agreement

request and receive the approval for any such redistribution from both the Department of Transportation and the Department of Workforce Development prior to the implementation of such redistribution.

V. ADDITIONAL CLASSIFICATIONS

Any unlisted laborer or mechanic classification that is needed to perform work on this project, and is not included within the scope of any of the classifications listed in the application prevailing wage rate determination, may be added after award only if all of the following criteria have been met:

1. The affected employer(s) must make a written request to WisDOT Central Office to utilize the unlisted classification on this project.
2. The request must indicate the scope of the work to be performed by the unlisted classification and must indicate the proposed wage/fringe benefit package that the unlisted classification is to receive.
3. The work to be performed by the unlisted classification must not be performed by a classification that is included in the applicable prevailing wage rate determination.
4. The unlisted classification must be commonly employed in the area where the project is located.
5. The proposed wage/fringe benefit package must bear a reasonable relationship to those set forth in the applicable prevailing wage rate determination.
6. The request should be made prior to the actual performance of the work by the unlisted classification.
7. DWD must approve the use of the unlisted classification and the proposed wage/fringe benefit package. USDOL also must approve the use of the unlisted classification and the proposed wage/fringe benefit package on federal aid projects.
8. WisDOT and DWD may amend the proposed wage/fringe benefit package, as deemed necessary, and may set forth specific employment ratios and scope of work requirements in the approval document.

The approved wage/fringe benefit package shall be paid to all laborers, workers, mechanics or truck drivers performing work within the scope of that performed by the unlisted classification, from the first day on which such work is performed. In the event that work is performed by the unlisted classification prior to approval, the wage/fringe benefit package to be paid for such work must be in conformance with the wage/fringe

benefit package approved for such work. Under this arrangement a retroactive adjustment in wages and/or fringe benefits may be required to be made to the affected laborers, workers, mechanics or truck drivers by the affected employer(s).

**ANNUAL PREVAILING WAGE RATE DETERMINATION
FOR ALL STATE HIGHWAY PROJECTS
MARINETTE COUNTY**

Compiled by the State of Wisconsin - Department of Workforce Development
for the Department of Transportation
Pursuant to s. 103.50, Stats.
Issued on May 1, 2015

CLASSIFICATION: Contractors are required to call the Department of Workforce Development if there are any questions regarding the proper trade or classification to be used for any worker on a public works project.

OVERTIME: Time and one-half must be paid for all hours worked over 10 hours per day and 40 hours per calendar week and for all hours worked on Saturday, Sunday and the following six (6) holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25; the day before if January 1, July 4 or December 25 falls on a Saturday; the day following if January 1, July 4 or December 25 falls on a Sunday.

FUTURE INCREASE: If indicated for a specific trade or occupation, the full amount of such increase MUST be added to the "TOTAL" indicated for such trade or occupation on the date(s) such increase(s) becomes effective.

PREMIUM PAY: If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.

SUBJOURNEY: Wage rates may be available for some of the classifications indicated below. Any employer that desires to use any subjourney classification on a project MUST request the applicable wage rate from the Department of Workforce Development PRIOR to the date such classification is used on such project. Form ERD-10880 is available for this purpose and can be obtained by writing to the Department of Workforce Development, Equal Rights Division, P.O. Box 8928, Madison, WI 53708.

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Bricklayer, Blocklayer or Stonemason	30.85	17.61	48.46
Carpenter	32.72	16.00	48.72
Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Cement Finisher	33.86	17.96	51.82
Future Increase(s): Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
Electrician	29.20	17.42	46.62
Future Increase(s): Add \$.75/hr on 6/1/2015. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Fence Erector	23.73	19.09	42.82
Ironworker	29.27	23.97	53.24
Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Line Constructor (Electrical)	39.50	16.07	55.57
Painter	23.62	9.07	32.69
Pavement Marking Operator	30.27	18.07	48.34
Piledriver	33.24	16.00	49.24
Future Increase(s): Add \$1.44/hr on 6/1/2015; Add \$1.44/hr on 6/1/2016. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	\$	\$	\$
Roofer or Waterproofer	19.00	4.00	23.00
Teledata Technician or Installer	22.25	12.24	34.49
Tuckpointer, Caulker or Cleaner	33.76	17.82	51.58
Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12
Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	14.98	46.58
Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	12.83	38.51
Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	11.63	33.38

TRUCK DRIVERS

Single Axle or Two Axle	25.18	18.31	43.49
Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Three or More Axle	25.28	18.31	43.59
Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Articulated, Euclid, Dumptor, Off Road Material Hauler	30.27	21.15	51.42
Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .			
Pavement Marking Vehicle	23.16	20.01	43.17
Shadow or Pilot Vehicle	24.37	17.77	42.14
Truck Mechanic	24.52	17.77	42.29

LABORERS

General Laborer	30.13	15.14	45.27
Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Pay: Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for blaster and powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and grade specialist; Add \$.45/hr for pipelayer. DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Asbestos Abatement Worker	18.00	0.00	18.00
Landscaper	30.13	15.14	45.27
Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination			

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	\$	\$	\$
conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Flagperson or Traffic Control Person	26.76	15.14	41.90
Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.33	8.92	27.25
Railroad Track Laborer	17.00	2.96	19.96

HEAVY EQUIPMENT OPERATORS

Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Traveling Crane (Bridge Type).	37.72	21.15	58.87
Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .			
Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.	37.22	21.15	58.37
Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .			
Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub	36.72	21.15	57.87

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	\$	\$	\$
Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A- Frames. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .			
Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	36.46	21.15	57.61
Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	36.17	21.15	57.32
Fiber Optic Cable Equipment.	28.89	17.95	46.84
Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	41.65	21.71	63.36
Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs.	35.72	17.85	53.57

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.			
Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks-Great Lakes ONLY.	35.46	20.40	55.86

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150714022PROJECT(S):
9995-03-60FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0001 Contract Items

0010	213.0100 Finishing Roadway (project) 01. 9995-03-60	1.000 EACH	.	.	.	.
0020	506.0105 Structural Steel Carbon	4,260.000 LB	.	.	.	.
0030	513.2000 Railing Pipe (structure) 01. B-38-0016	LUMP	LUMP	.	.	.
0040	619.1000 Mobilization	1.000 EACH	.	.	.	.
0050	642.5001 Field Office Type B	1.000 EACH	.	.	.	.
0060	643.0100 Traffic Control (project) 01. 9995-03-60	1.000 EACH	.	.	.	.
0070	643.0300 Traffic Control Drums	60.000 DAY	.	.	.	.
0080	643.0410 Traffic Control Barricades Type II	90.000 DAY	.	.	.	.
0090	643.0420 Traffic Control Barricades Type III	285.000 DAY	.	.	.	.
0100	643.0705 Traffic Control Warning Lights Type A	480.000 DAY	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150714022PROJECT(S):
9995-03-60FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	643.0900 Traffic Control Signs	150.000 DAY	.		.	
0120	643.1050 Traffic Control Signs PCMS	20.000 DAY	.		.	
0130	643.2000 Traffic Control Detour (project) 01. 9995-03-60	1.000 EACH	.		.	
0140	643.3000 Traffic Control Detour Signs	795.000 DAY	.		.	
0150	SPV.0105 Special 01. Removal Of Existing Dolphins And Walkways	LUMP	LUMP		.	
0160	SPV.0105 Special 02. Excavation For Protection Cells	LUMP	LUMP		.	
0170	SPV.0105 Special 03. Treated Lumber And Timber For Fenders And Walkways	LUMP	LUMP		.	
0180	SPV.0105 Special 04. Pier Protection System	LUMP	LUMP		.	
0190	SPV.0105 Special 05. Electrical Work	LUMP	LUMP		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	

PLEASE ATTACH SCHEDULE OF ITEMS HERE