

HIGHWAY WORK PROPOSAL

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

Proposal Number:

Ø 4

COUNTY	STATE PROJECT ID	FEDERAL PROJECT ID	PROJECT DESCRIPTION	HIGHWAY
Southeast Region Wide	1000-20-68		Sign Bridge Repair & Replacement 2016	Various Freeways, State Highways, and US Highways

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, \$ 20,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Due Date: April 12, 2016 Time (Local Time): 9:00 AM	Firm Name, Address, City, State, Zip Code
Contract Completion Time November 16, 2016	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 Sign bridge repair and replacement.	
Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

Effective with August 2015 Letting

BID PREPARATION

Preparing the Proposal Schedule of Items

A General

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

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

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

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

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

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

or by calling the department at (608) 266-1631. Addenda can ONLY be obtained from the departments web site listed above or by picking up the addenda at the Bureau of Highway Construction, Room 601, 4802 Sheboygan Avenue, Madison, WI, during regular business hours.

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

B Submitting Electronic Bids

B.1 On the Internet

- (1) Do the following before submitting the bid:
 1. Have a properly executed annual bid bond on file with the department.
 2. Have a digital ID on file with and enabled by Info Tech Inc. Using this digital ID will constitute the bidder's signature for proper execution of the bidding proposal.
- (2) In lieu of preparing, delivering, and submitting the proposal as specified in 102.6 and 102.9 of the standard specifications, submit the proposal on the internet as follows:
 1. Download the latest schedule of items reflecting all addenda from the Bid 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:
<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 Table of Contents

Article	Description	Page #
1.	General.....	3
2.	Scope of Work.....	3
3.	Prosecution and Progress.....	3
4.	Lane Rental Fee Assessment.....	4
5.	Traffic.....	5
6.	Holiday Work Restrictions.....	10
7.	Utilities.....	10
8.	Work by Others.....	10
9.	Signs Type I and II.....	10
10.	Highway Lighting Systems for State-Owned Lighting.....	12
11.	Freeway Lighting Systems.....	12
12.	Construction Staking Structure Layout (Structure).....	14
13.	Traffic Control.....	14
14.	Sign Structure Anchor Rod Repair, Item SPV.0060.01.....	15
15.	Remove Grout Pad, Item SPV.0060.02.....	16
16.	Replace Rodent Screen, Item SPV.0060.03.....	17
17.	Tension Anchor Rods, Item SPV.0060.04.....	18
18.	Repair Foundation, Item SPV.0060.05.....	19
19.	Remove Fill/Debris and Regrade, Item SPV.0060.06.....	20
20.	Splice Connection Bolt Replacement, Item SPV.0060.07.....	21
21.	Tension/Replace Post to Mast Arm Connection, Item SPV.0060.08.....	21
22.	Secure/Replace Chord Cap, Item SPV.0060.09.....	23
23.	Reinstall Truss, Item SPV.0060.10.....	24
24.	Tension Truss Connection Bolt, Item SPV.0060.11.....	24
25.	Tension Saddle Post to Truss/Chord Connection Bolt, Item SPV.0060.12.....	25
26.	Clean Nesting Debris, Item SPV.0060.13.....	26
27.	Install U-bolt, Item SPV.0060.14.....	27
28.	Install Vertical Sign Support Bracket/Support Bolts, Item SPV.0060.15.....	27
29.	Replace Sign ID Bridge Plaque, Item SPV.0060.16.....	28
30.	Replace Sign Panel Connector, Item SPV.0060.17.....	29
31.	Reattach Type-II Sign, Item SPV.0060.18.....	29
32.	Install Overhead Sign Mounting System, Item SPV.0060.19.....	30
33.	Replace Sign Connection Assembly, Item SPV.0060.20.....	31
34.	Slotted Vertical Sign Support Repair, Item SPV.0060.21.....	32
35.	Install Vertical Sign Support, Item SPV.0060.22.....	32
36.	Secure Handhole Cover, Item SPV.0060.23.....	33
37.	Secure Luminaire Cover, Item SPV.0060.24.....	34
38.	Install Junction Box Cover, Item SPV.0060.25.....	35
39.	Tighten Signal Mount Socket Connection, Item SPV.0060.26.....	35
40.	Replace Conduit Plug, Item SPV.0060.27.....	36
41.	Remove ASIM Traffic Counter Units, Item SPV.0060.28.....	37

42.	Remove Luminaire, Item SPV.0060.29.....	37
43.	Fill Erosion, Item SPV.0060.30.....	38
44.	Replace Dished Washer, Item SPV.0060.31.	39
45.	Replace Missing Handhole Cover, Item SPV.0060.32.....	39
46.	Replace Safety Chain, Item SPV.0060.33.	40
47.	Replace Truss Member, Item SPV.0060.34.....	41
48.	Secure/Replace Post Cap, Item SPV.0060.35.....	42
49.	Tension Cantilever Post to Truss Connection Bolt, Item SPV.0060.36.	42
50.	Tighten Loose U-Bolt, Item SPV.0060.37.....	44
51.	Tighten/Replace Handhole Cover Bolt, Item SPV.0060.38.	44
52.	Align Locking Pin, Item SPV.0060.39.	45
53.	Tension Truss Gusset Connection Bolt, Item SPV.0060.40.	46
54.	Install/Replace Catwalk Handrail, Item SPV.0090.01.....	47
55.	Removing Overhead Sign Support S-30-210, Item SPV.0105.01; Removing Overhead Sign Support S-30-215, Item SPV.0105.02.	48
56.	Partial Removal of Sign Structure Foundation, Item SPV.0105.03.	49
57.	Replace Type II Sign, Item SPV.0165.01.....	50

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 1000-20-68, Sign Bridge Repair and Replacement 2016, Various Freeways, State Highways, and US Highways, Southeast Region Wide, located in Kenosha, Milwaukee, Racine, Ozaukee, Walworth, and Waukesha Counties, 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, 2016 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 (20150630)

2. Scope of Work.

The work under this contract shall consist of replacing and repairing existing sign bridges in various counties on various highways and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

3. Prosecution and Progress.

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

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

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

Prior to beginning of construction operations, in writing, submit your method of handling traffic to the engineer and obtain approval from the engineer for your proposed method.

The engineer may suspend all operations in the event of an extremely hazardous situation.

At no time conduct construction operations in the median area and adjacent outside shoulder area, or ramp areas at the same time.

Trans 401 requires an Erosion Control Implementation Plan (ECIP) to be submitted to the appropriate WisDOT office and the WDNR at least 14 days prior to the preconstruction meeting. Erosion control shall be considered incidental to all applicable items in this project.

4. Lane Rental Fee Assessment.

A General

The contract designates some lane closures to perform the work. The contractor will not incur a Lane Rental Fee Assessment for closing lanes during the allowable lane closure times. The contractor will incur a Lane Rental Fee Assessment for each lane closure outside of the allowable lane closure times. If a lane is obstructed at any time due to contractor operations, it is considered a closure. The purpose of lane rental is to enforce compliance of lane restrictions and discourage unnecessary closures.

The allowable lane closure times are shown in the Traffic article.

Submit the dates of the proposed lane, ramp, and roadway restrictions to the engineer as part of the progress schedule. Coordinate lane, ramp, and roadway closures with any concurrent operations on adjacent roadways within 3 miles of the project.

If other projects are in the vicinity of this project, coordinate lane closures to run concurrent with lane closures on adjacent projects when possible. When lane closures on adjacent projects extend into the limits of this project, Lane Rental Fee Assessments will only occur if the closure facilitates work under this contract.

A.1 Lane Rental Fee Assessment

The Lane Rental Fee Assessment incurred for each lane closure, each ramp closure, and each full closure of a roadway, per direction of travel, is as follows:

\$3000 per lane per hour broken into 15 minute increments

The Lane Rental Fee Assessment represents the average cost of the interference and inconvenience to the road users for each closure. The Lane Rental Fee Assessment will be measured in 15-minute increments. All lane, roadway, or ramp closure event increments less than 15 minutes will be assessed as a 15-minute increment.

Lane Rental Fee Assessments will be made based on the applicable rate for any and all closures whether work is being performed or not. The engineer, or designated representative, will be the sole authority in determining time period length for the Lane Rental Fee Assessment.

Lane Rental Fee Assessments will not be assessed for closures due to crashes, accidents or emergencies not initiated by the contractor.

B (Vacant)

C (Vacant)

D Measurement

The department will assess Lane Rental Fee Assessment by the dollar under the administrative item failing to Open Road to Traffic. The total dollar amount of Lane Rental Fee Assessment will be computed by multiplying the Lane Rental Assessment Rate by the number of 15-minute increments of each lane closure event as described above.

Lane Rental Fee Assessment will be in effect from the time of the Notice to Proceed until the department issues final acceptance.

E (Vacant)

5. Traffic.

At no time, lift or erect signs over live traffic lanes.

Freeway Work

Do not perform any work requiring lane, ramp or shoulder closure on the project during the peak traffic periods in Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington and Waukesha Counties. All lane and shoulder closures shall be entered in the Wisconsin Lane Closure System prior to any work. Do not perform any work on Milwaukee County freeways from 5:30 AM to 8:00 PM weekends, that require lane closures.

Definitions

The following definitions shall apply to this contract:

- Single Lane Closures- Off-Peak Hours
- Dual Lane Closures- Night Time Hours
- Full Closures- Full Closure Hours

Shoulder closures will be allowed from 9:00 AM – 2:00 PM.

Milwaukee County:

Weekday Peak Hours

- 5:30 AM – 8:00 PM Monday, Tuesday, Wednesday, and Thursday
- 5:30 AM – 11:00 PM Friday

Weekend Peak Hours

- 7:30 AM – 7:00 PM Saturday and Sunday

Weekday Off-Peak Hours

- 8:00 PM – 9:30 PM Monday, Tuesday, Wednesday, and Thursday

Weekend Off-Peak Hours

- 7:00 PM – 11:00 PM Saturday
- 7:00 PM – 9:30 PM Sunday

Night Time Hours

- 9:30 PM – 5:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 11:00PM – 7:30 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

Full Freeway Closure Hours

- 11:00 PM – 4:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)

Waukesha County:

Peak Hours

- 5:30 AM – 9:00 AM Monday, Tuesday, Wednesday, Thursday, and Friday
- 2:00 PM – 7:00 PM Monday, Tuesday, Wednesday, Thursday, and Friday
- 10:00 AM – 7:00 PM Saturday and Sunday

Off-Peak Hours

- 9:00 AM – 2:00 PM Monday, Tuesday, Wednesday, Thursday, and Friday
- 7:00 PM – 9:30 PM Monday, Tuesday, Wednesday, Thursday
- 7:00 PM – 11:00 PM Friday
- 8:00 AM – 10:00 AM Saturday and Sunday
- 7:00 PM – 11:00 PM Saturday
- 7:00 PM – 9:30 PM Sunday

Night Time Hours

- 9:30 PM – 5:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 11:00 PM – 8:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

Racine/Kenosha/Ozaukee/Washington, Walworth County:

Peak Hours:

- 5:30 AM – 9:00 AM Monday, Tuesday, Wednesday, Thursday, and Friday
- 2:00 PM – 7:00 PM Monday, Tuesday, Wednesday, and Thursday
- Noon – 7:00 PM Friday
- 10:00 AM – 7:00 PM Saturday and Sunday

Off-Peak Hours

- 9:00 AM – 2:00 PM Monday, Tuesday, Wednesday, and Thursday
- 9:00 AM – Noon Friday
- 7:00 PM – 9:30 PM Monday, Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday
- 8:00 AM – 10:00 AM Saturday and Sunday

Night Time Hours

- 9:30 PM – 5:30 AM (Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 9:30 PM – 8:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)

Freeway Work Restrictions

All lanes of the freeway shall be entirely clear and open to traffic at all times except for approved Night Time Hours or Off-Peak Hour closures as approved by the engineer. Dual lane operation is permitted during Night Time Hours and Off-Peak Hours pending approval of the engineer. Single lane operation is only permitted during Night Time Hours pending approval of the engineer. Lane closures shall be according to the standard detail drawings (SDD) and have the approval of the engineer and the Southeast Region Work Zone Engineer, (262) 548-8728.

System to system ramp closures shall only be allowed during nighttime work hours.

Service interchange on-ramps can be closed during off-peak and night-time work hours. In addition, the ramps may be closed between 9:00 AM and 2:00 PM Monday through Friday, pending approval of engineer.

Discuss LCS completion dates and provide changes in the schedule to the engineer at the weekly project meetings in order to manage closures nearing their completion date
108-057 (20150630)

All lanes of on, off, and directional interchange ramps shall be completely free of traffic control devices during peak hours. During off peak hours, ramps may be reduced to one 12-foot lane. Ramps may be closed during off peak hours with the prior approval of the engineer and only for the minimum time required to complete the work. It is required to post the ramps with signs as required above.

Milwaukee County:

On days with the Wisconsin State Fair (August 3, 2016 – August 12, 2016) at State Fair Park, no closures will be permitted;

On days with Summerfest (June 29, 2016 – July 10, 2016) at Henry Maier Festival Grounds, no closures will be permitted;

On weekend days during a Milwaukee County Zoo event from two hours prior to the start of the event until two hours after the event, no closures will be permitted;

From three hours prior to the start of the game until four hours after the start of the game no closures will be permitted(Brewer Games).

General Requirements

The work included under this contract requires new sign bridges. These are spelled out in each quantity item section of the plan. If the freeway mainline or any highway must be closed for 15 minutes or less, do so only between the hours of 1:00 AM – 4:00 AM. Give the engineer at least 7 working days advance notice for such required freeway closure. Coordinate the closure with the County Sheriff's Departments and the Wisconsin State Patrol.

All lanes of on, off, and system interchange ramps shall be completely free of traffic control devices during peak hours. During off-peak hours, ramps may be reduced to one 12-foot lane. Ramps may be closed during off-peak hours with the prior approval of the engineer and only for the minimum time required to complete the work. It is required to post the ramps with signs as required above.

Failure to not have lanes open to traffic and all traffic control devices associated with the lane or shoulder closure removed during the above restriction will be assessed a lane rental charge according to the Lane Rental Fee Assessment article of these special provisions.

Advance Notification

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

CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

Closure type with height, weight, or width restrictions (available width, all lanes in on direction $\leq 16'$)	MINIMUM NOTIFICATION
Lane and shoulder closures	14 calendar days
Full roadway closures	14 calendar days
System and service ramp closures	14 calendar days
Detours	14 calendar days
Closure type without height, weight, or width restrictions (available width, all lanes in one direction $> 16'$)	MINIMUM NOTIFICATION
Lane and shoulder closures	3 business days
System and service ramp closures	3 business days
Modifying all closure types	3 business days

Discuss LCS completion dates and provide changes in the schedule to the engineer at the weekly project meetings in order to manage closures nearing their completion date
108-057 (20150630)

Notify the engineer and SE Region Work Zone Engineer, (262) 548-8728, if there are any changes in the schedule, early completions, or cancellations of scheduled work.

During periods of no construction, the full width of all freeway mainline and ramp pavements shall be open to traffic.

To the extent possible, confine work operations to an off highway or shoulder location without encroachment on traffic lanes and in such a manner as to interfere as little as possible with freeway traffic.

The contractor will be allowed access to the project only at interchange locations. At all times confine operations within the delineated areas in such a manner as will cause a minimum inconvenience to traffic. Remove the traffic control devices from traffic lanes and shoulder areas when construction operations are suspended each day.

Vehicles belonging to the contractor's employees shall not be parked or stored on or adjacent to freeway mainline or ramp roadway. Do not park or store equipment or material not being used during actual performance of the work within the right-of-way unless otherwise approved by the engineer.

All vehicles and equipment which are operated on the roadway pavement or shoulders shall be equipped with a flashing yellow light which shall be in operation when the vehicle is operating at speeds less than the speed of the normal traffic.

Conventional Highway Work

All work on conventional roads for overhead sign supports requiring lane closures shall be performed from 9:00 AM - 2:30 PM.

6. Holiday Work Restrictions.

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

- From noon Friday, May 27, 2016 to 6:00 AM Tuesday, May 31, 2016 for Memorial Day;
- From noon Friday July 1, 2016 to 6:00 AM Tuesday July 5, 2016 for Independence Day;
- From noon Friday, September 2, 2016 to 6:00 AM Tuesday September 6, 2016 for Labor Day.

107-005 (20050502)

7. Utilities.

This project does come under the Trans 220 administrative rule.

There are overhead and underground utility facilities located within the project limits. There are no known adjustments anticipated for this construction project. Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities which have facilities in the area as required per statutes. Maintain code clearances from overhead and underground facilities at all times.

It may be necessary for the contractor, as directed by the engineer, to make adjustments in the location of certain sign bridges (bases and/or service connections to sign bridges) when it becomes evident that a utility conflict could occur.

8. Work by Others.

Some maintenance, utility, or construction work may be under way on portions of highways on which work is indicated under this contract. When maintenance, utility work, or construction is in progress or will be performed that affects the work under the contract, the engineer will determine if the contractor shall defer installation to a later date, or eliminate the installation from this contract.

9. Signs Type I and II.

Furnish and install mounting brackets per approved product list for type II signs on overhead sign supports incidental to sign. For type II signs on sign bridges use aluminum vertical support beams noted above incidental to sign.

Replace standard spec 637.2.4 with the following:

Use stainless steel bolts, washers and nuts for type I and type II signs mounted on sign bridges or type I signs mounted on overhead sign supports. Use clips on every joint for Sign Plate A 4-6 when mounted on a sign bridge or overhead sign support. Inspect installation of clips and assure bolts and nuts are tightened to manufacturers recommended torque values.

Use aluminum vertical sign support beams that have a 5-inch wide flange and weigh 3.7 pounds per foot, if the L-brackets are 4 inches wide then use 4 inch wide flange beams weighing 3.06 pounds per foot. Measure the width of the L-brackets on existing structures or determine the width needed for sign support beams

Use beams a minimum of 6 feet in length or equal to the height of the sign to be supported, whichever is greater. Use U-bolts that are made of stainless steel, 1/2 inch diameter and of the proper size to fit the truss cords of each sign bridge. Install vertical sign support beams on each sign and use new U-bolts to attach each beam to the top and bottom cord of the sign bridge truss.

For type II signs on overhead sign supports follow the approved product list for mounting brackets.

Replace standard spec 637.2.4.1(2)2 with the following:

Clips may be either stainless steel or ASTM B 108, aluminum alloy, 356.0-T6.

Add the following to standard spec 637.3.3.2(2):

Install Type I Signs at the offset stated in the plan, which shall be the clear distance between the edge of mainline pavement right edge line and the near edge of the sign.

Add the following to standard spec 637.3.3.3(3):

Furnish and install new aluminum vertical sign support beams on each sign and new U-bolts to attach each beam to the top and bottom cord of the sign bridge truss for Type I or Type II Signs and Type I signs on overhead sign supports incidental to sign.

Add the following to standard spec 641.2.9:

Submit all sign bridge and overhead sign support shop drawings to Tom Hydel, SE Region.

637-SER1 (20120401)

10. Highway Lighting Systems for State-Owned Lighting.

The following modifications are made to standard specifications and standard detail drawings as they apply to state-owned highway lighting.

State Electrical Shops

For materials to be returned to the department, deliveries shall be scheduled three working days in advance so as to occur during normal business hours Monday through Thursday. Contact Mr. Mike Prebish at (414) 266-1170.

State electrical shops are located in West Allis and in Wauwatosa, Milwaukee County.

Removal of Sign Structures

No payment will be made for electrical disconnection of sign structures to be removed. Build those costs into sign bridge removal items.

If a sign structure is to be removed, electrical parts attached to the sign structure will be considered scrap, with no payment for their removal, unless the contract includes pay items for salvaging or stockpiling selected electrical pieces.

Outdoor Conductors

The following modifications are made to standard spec 655.

There will be no measurement for payment for abandoning conductors or removing conductors for scrap, and for making good the remaining circuit.

Wet location splices shall be made up with approved epoxy kits. Wet location splices will be allowed only where shown in the plans.

Protocol for Access to and Switching of Lighting Circuits

The department does not employ a load dispatcher and has no intent to do so. Each electrical worker is responsible for his/her own protection from automatic switching and from switching by others. Conform to lock-out and tag-out rules that apply in the industry. Tags shall be signed and dated, and include the name of the contractor. If possible, clear lock-outs and tag-outs by the end of the work day. If not possible, notify the engineer.

11. Freeway Lighting Systems.

Wet Location Splices

Modify standard spec 655.3.1 as follows:

Wet location splices are not anticipated on this project and not shown in the plans. In the event that the engineer allows wet location splices, make with an approved epoxy kit.

Branch Circuit Tagouts

Any circuit that the contractor does not personally tag out at the disconnect is considered live, and will be subject to being activated by another person with no notice to the contractor. Make tag outs with manufactured tags, and endorse them with the date and the name of the contractor. Clear tag outs at the end of the workday.

Shop Locations

Pick up and haul materials indicated as department-furnished from one of the locations listed below, as directed by Mr. Michael Prebish at (414-266-1170). Haul materials indicated to be returned to the department to one of these locations, as directed by Mr. Prebish. Arrange pickups and deliveries in advance and during regular business hours.

State Electrical Shop, 935 South 60th Street, West Allis
Milwaukee County Grounds, 10191 West Watertown Plank Road, Wauwatosa

Corrosion Protection

Corrosion protection measures described in standard spec 657.3.1 and 657.3.5 are invoked for breakaway transformer bases and aluminum light poles.

Non-Breakaway Light Poles

At non-breakaway locations, the double-nutting of poles and the installation of galvanized rat screens are required, and both are considered incidental to the paid items of work.

Pole Plaques - Median Mount Light Poles

The standard detail drawing for light poles plaques is modified as follows: The note stating that the plaque height is to be adjusted for traffic signs is to be interpreted as follows: Provide a mounting height of 4 feet above the pavement, to allow for tenth-mile marker signs above.

Cable Removal

Disconnecting and abandoning cable will be incidental to the paid items.

Median Cable In Duct

Median cable in duct will be paid at the same bid unit prices per linear foot as cable in duct in standard spec 655.

Add the following to standard spec 655.3.2:

Train median cable in duct along the right side of the gap between the barriers. At sufficiently close intervals, drive No. 4 rebar (or an equivalent stake) into the grade, and use tie wire to tie the cable duct to the stakes.

Cable Identification

Where more than one network of cable (example A/B/N and C/D/N) occupies a pull point, bundle each network with nylon cable ties and identify each network with approved tags suitable for the environment.

At each pull point, mark the cable or bundle with blue tape, blue indicating the line side of the system.

12. Construction Staking Structure Layout (Structure).

Delete standard spec 650.3.7(1).

13. Traffic Control.

Supplement the requirements of standard spec 643 with the following:

Install appropriate advance warning signs according to standard spec 643. Location, sign shape, message and color shall be according to the plan, part VI of the Manual on Uniform Traffic Control Devices and as directed by the engineer in the field.

Mask-out, or lay down, all traffic control signs when not in use as designated by the engineer. If traffic control signs are to be laid down this includes the supports.

Should work operations, in the opinion of the engineer, require freeway lane closures, close such lanes according to the following:

Prior to beginning daily construction operations, furnish, place, and maintain traffic devices at the work areas as prescribed in the plan, in conformance with Part VI of the Manual on Traffic Control Devices, and as approved by the engineer.

For daytime work, in lieu of drums, channelizing devices may be 28-inch high cones with a weighted base designed and manufactured specifically for the cones furnished. Place cones no further than 50 feet apart.

Provide two Type C portable self-contained flashing arrow boards designed to warn the motorists of lane closures. Place one of the flashing arrow boards in the area of the taper section for lane closure and one on the adjacent shoulder preceding the taper section as directed by the engineer. Do not operate the flashing arrow board when work is confined to the shoulder area without encroachment on traffic lanes.

The cost of flashing arrow boards, when required, shall be incidental to the bid item, Traffic Control, and will not be measured or paid for separately.

When the flashing arrow boards are not in use, remove them from the job site or turn them away so they are not visible to traffic in either direction.

Do not park or store any equipment, vehicles or construction materials within the clear zone, i.e., 34 feet of the edge of the traffic lane of any roadway carrying freeway traffic during non-working hours except at locations and periods of time approved by the engineer. At such locations, ensure that the materials and equipment involved do not constitute a hazard to the traveling public.

No equipment or vehicles will be permitted to directly cross live traffic lanes of the freeway. All construction vehicles shall yield to all through traffic at all locations. Equip all contractor vehicles or equipment operating in the live traffic lanes with a hazard identification beam (flashing yellow signal light). The flashing yellow light shall be activated when merging into or exiting a live traffic lane.

Do not use flag persons to direct, control or stop freeway traffic.

Do not disturb, remove or obliterate any traffic control signs, advisory signs, shoulder delineators or beam guard in place along the traveled roadways without the approval of the engineer.

Have available at all times sufficient experienced personnel to promptly install, remove, and reinstall the required traffic control devices and to route traffic in order to perform the operations.

Traffic Control shall be measured and paid for as a unit of work. Drums, traffic cones, signs, barricades, flashing lights, and arrow boards will be incidental to Traffic Control and will not be paid separately.

14. Sign Structure Anchor Rod Repair, Item SPV.0060.01.

A Description

This special provision describes cleaning the corrosion on the anchor rods, roughing the surface on the anchor rods, cold-galvanizing the anchor rods, and encasing the anchor rods to add additional stability to the structure.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans. Cold-applied galvanizing per WisDOT approved product list.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans. This work consists of thoroughly cleaning the anchor rod threads with a wire wheel/brush to remove all corrosion.

Cold-applied galvanizing to the full length of the anchor bolts, nuts, washers, and at any locations on the damaged base plates. Apply cold-galvanizing per the manufacture's recommendation. Work will also include installing a galvanized A36, 6-inch diameter - schedule 80 pipe and a type S 3/4-inch masonry anchor at all anchor bolt locations as indicated on the plans. Injecting polymer-refer to the WisDOT approved product list for approved polymers and place at locations as indicated on the plans.

All personnel shall be trained and qualified by the engineer prior to performing the work. Any worker, in the opinion of the engineer that cannot perform the work at an acceptable level of skill and safety shall be removed from the project.

The repairs include, but are not limited to, the following activities:

- Cleaning and removing all corrosion on the exposed anchor rods.
- Roughening surface of anchor bolts and if applicable, damaged base plates.
- Repair of galvanized coating.
- Cleaning all concrete surfaces that come in contact with the repair areas as shown on the plans. Remove all cracked and deteriorated foundation concrete to sound concrete.
- Install anchor bolt repair as indicated on the plans.

D Measurement

The department will measure Sign Structure Anchor Rod Repair as each individual anchor rod, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Sign Structure Anchor Rod Repair	Each

Payment is full compensation for furnishing all materials and miscellaneous items to complete the repair as shown on the plans; and for fabricating, handling, transporting, installing.

15. Remove Grout Pad, Item SPV.0060.02.

A Description

This special provision describes removing grout pads under base plates as shown on the plans, and as hereinafter provided.

B Materials

Furnish cold-applied galvanizing according to Sign Structure Anchor Rod Repair Article.

Furnish rodent screen and wire to secure the rodent screen according to the Replace Rodent Screen Article.

C Construction

Remove and dispose of the grout pad according to standard spec 509.3.4.

Thoroughly clean the existing anchor rods and leveling nuts below the base plate, roughen the surface on the anchor rods and apply cold-galvanizing to the anchor rods and leveling nuts according to Sign Structure Anchor Rod Repair Article.

Install a rodent screen according to the Replace Rodent Screen Article.

D Measurement

The department will measure Remove Grout Pad by each unit, acceptably completed.

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.0060.02	Remove Grout Pad	Each

Payment is full compensation for removing and disposing of the grout pad; cleaning and applying cold-galvanizing; for providing and installing a rodent screen.

16. Replace Rodent Screen, Item SPV.0060.03.**A Description**

This special provision describes replacing the missing rodent screens as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and 652 and as shown in the plans. All hardware required to properly secure the rodent screen will be considered incidental to this item.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and 652 and as shown in the plans. Replace the deteriorated rodent screen with the same size rodent screen.

D Measurement

The department will measure Replace Rodent Screen as each individual rodent screen, acceptably completed.

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.0060.03	Replace Rodent Screen	Each

Payment is full compensation for replacing rodent screen; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

17. Tension Anchor Rods, Item SPV.0060.04.

A Description

This special provision describes re-tensioning loose anchor rod nuts as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans. This work shall consist of re-tensioning all loose anchor rod nuts as specified in the plans. Follow the re-tensioning procedure outlined herein:

1. Verify the grade of the anchor bolt. If an anchor bolt grade cannot be verified, the department shall be contracted for direction. Note that A36 bolts have different tensioning requirements.
2. Field verify the size and number of nuts required to be replaced. Note that if one or more are found to be loose, all are required to be replaced.
3. Remove all jam nuts¹.
4. Furnish flat washers and heavy hex nuts conforming to standard spec 641.2.2.3. Existing jam nuts¹ may be reused.
5. Remove rodent screen¹.
6. Remove grout¹.
7. Tighten all nuts that are loose to snug tight (leveling and top nut). Reference the department's Form DT2321 for snug tight torque values.
8. Once all nuts are snug, remove one and only one top nut at a time and follow the remaining procedure. Top nuts and flat washers, and if shall be discarded, the leveling nuts shall remain, and jam nuts¹ may be reused.
9. Remove rust and dirt, from anchor bolt and base plate with a wire brush.
10. Apply one light coat of fast drying zinc rich primer or spray-on cold galvanized (if rust is present) to the full length of the anchor bolt and at damaged base plates. Repair any damaged galvanized coating incidental to the re-tensioning process.
11. Apply wax-based lubricant to the anchor bolt.
12. Install top nut to snug tight. Reference the department's form DT2321 for snug tight torque values.
13. Repeat steps 3 through 12 in this specification until all anchor rods have been re-lubricated.
14. Tension the anchor rod nuts. Follow the department's Form DT2321 procedure steps 5 through 7 and record the tensioning process.
15. Clean, lubricate and install jam nut¹ per step 8 of Form DT2321.
16. Apply two coats of zinc rich primer to any damaged areas of the structure base plates.

17. Reinstall the rodent screen¹.

18. Complete Form DT2321 for each structure and submit to Tom Heydel for transmittal to BOS and inclusion in HSIS.

Note¹ – Only for structures that have jam nuts, grout, or rodent screens.

D Measurement

The department will measure Tension Anchor Rods as each individual base plate location, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.04	Tension Anchors Rods	Each

Payment is full compensation for tensioning loose anchor rod nuts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

18. Repair Foundation, Item SPV.0060.05.

A Description

This special provision describes removing all cracked and deteriorated foundation concrete to sound concrete, then forming and pouring new cast-in-place concrete as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 501 and 636 and as shown in the plans. Erosion control per standard spec 628 shall be considered incidental to this item.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 509.3.7, 501 and 636 and as shown in the plans. If reinforcing steel is exposed during removal of the deteriorated concrete, expose the steel to a depth of one inch beneath the bar to provide for a good bond. Keep the existing concrete surface wet one hour prior to the placement of the new concrete. When a horizontal surface is being repaired, smooth the surface and slope it to prevent water from pooling on the foundation surface. Erosion control per standard spec 628 shall be considered incidental to this item.

D Measurement

The department will measure Repair Foundation as each individual foundation, acceptably repaired.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.05	Repair Foundation	Each

Payment is full compensation for repairing concrete; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

19. Remove Fill/Debris and Regrade, Item SPV.0060.06.**A Description**

This special provision describes removing all fill and debris and re-grading the areas around sign bridge foundation at the locations shown in the plans.

B Materials

Furnish materials for this item that are according to the pertinent provisions of standard spec 208, 627, and 630 and as shown on the plans. All seed and erosion mat necessary to landscape will be considered incidental to this item. Erosion control per standard spec 628 shall be considered incidental to this item.

C Construction

Use construction methods for this item that are according to the pertinent provisions of standard spec 208, 627, and 630 and as shown on the plans. Build the fill up to one foot above the exposed bottom of the foundation to prevent future erosion. Compact all fill as necessary to prevent settling and washout. Place erosion mat and seed as necessary. Erosion control per standard spec 628 shall be considered incidental to this item.

D Measurement

The department will measure Remove Fill/Debris and Regrade by each individual bridge foundation, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.06	Remove Fill/Debris and Regrade	Each

Payment is full compensation for removing fill and debris and re-grading; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the work.

20. Splice Connection Bolt Replacement, Item SPV.0060.07.

A Description

This special provision describes replacing the splice connection bolts at each splice connection as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641. Remove all existing bolt connections, including bolts, nuts, washers, and lock washers. Field verify the number of bolts, the bolt diameter and length. The length of the new bolt shall take into account the use of a DTI washer. Ensure that all existing splice connection bolts are properly tensioned prior to removing any one connection bolt. Remove and replace one and only one bolt connection per splice at a time and properly tension the connection so that the faying surfaces are in firm contact. Reference the department's DT2322 pre-installation and installation procedures. Do not install lock washers on new splice bolts. Properly dispose of all existing bolts, washers, and nuts.

D Measurement

The department will measure Splice Connection Bolt Replacement at each individual splice, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.07	Splice Connection Bolt Replacement	Each

Payment is full compensation for replacing all necessary splice bolts at splice connections; for furnishing all materials and miscellaneous items to complete the work.

21. Tension/Replace Post to Mast Arm Connection, Item SPV.0060.08.

A Description

This special provision describes tensioning and/or replacing the post to mast arm connection as shown on the plans, and as hereinafter provided.

B Materials

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans. Follow the re-tensioning procedure outlined herein:

1. Remove one and only one nut on the loose connections.
2. Lubricate the bolt threads with wax based lubricant to ensure that nut can rotate freely.
3. Tighten each nut until it turns or reaches the verification torque (V_T) shown in Table A below.

Table A		
A325 High Strength Bolts		
Bolt Diameter (inches)	Minimum Tension (kips)	Minimum Torque (ft·lbs)
3/4	28	175
7/8	39	284
1	51	425
1 1/8	56	525
1 1/4	71	740
1 3/8	85	974
1 1/2	103	1288

4. Nuts not reaching the V_T are considered loose. If any bolts are found to be loose, follow the procedure for replacement below.
5. Field verify the size and number of bolts, nuts, flat washers, and DTI washers at each structure to be replaced. Note that since the DTI's are to be utilized, the number of washers may change and the lengths of the bolts may need to be increased.
6. Furnish bolts, flat washers, heavy hex nuts, and DTI's conforming to standard spec 506.
7. Perform the pre-installation test according to the department's Form DT2322.
8. Tighten all nuts that are loose to snug tight. Note that this is to be done for stability purposes.
9. Once all nuts are snug, remove one and only one bolt at a time and follow the remaining procedure. Existing bolts shall be discarded.
10. Lubricate the new nut threads and one face.
11. Install the lubricated bolt to snug tight.
12. Repeat steps 5 through 9 in this specification until all bolts have been replaced.
13. Follow the department's Form DT2322 installation procedure for tensioning of the replacement bolts.
14. Complete Form DT2322 for each structure and submit to Tom Heydel for transmittal to BOS and inclusion in HSIS.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans. Deteriorated bolts which cannot be properly tensioned shall be replaced and considered incidental to this item. Replaced bolts shall follow the department's DT2322 pre-installation and installation procedures and considered incidental to this item. Do not install lock washers on new connections. Properly dispose of all existing bolts, washers, and nuts. Contract shall provide any means necessary to

shore the mastarm while re-tensioning or replacing the bolts. Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

D Measurement

The department will measure Tension/Replace Post to Mast Arm Connection as each individual connection bolt, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.08	Tension/Replace Post to Mast Arm Connection	Each

Payment is full compensation for tensioning loose mast arm connection bolts and/or replacing mast arm connection bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

22. Secure/Replace Chord Cap, Item SPV.0060.09.

A Description

This special provision describes replacing missing or deteriorated end caps and securing them as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans. Field verify size of post caps to be replaced.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans. Miscellaneous hardware required to securely install the end cap will be considered incidental to this item.

D Measurement

The department will measure Secure/Replace Chord Cap as each individual post cap, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.09	Secure/Replace Chord Cap	Each

Payment is full compensation for replacing a post cap and securing post cap; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

23. Reinstall Truss, Item SPV.0060.10.

A Description

This special provision describes removing and reinstalling the truss in the correct orientation, removing and reinstalling the sign panels all as shown on the plans, and as hereinafter provided.

The truss was originally installed upside down.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

Before removing the truss field verify connections to ensure a secure fit can be obtained following reinstallation.

Follow the department's Form DT2322 pre-installation procedure for tensioning the replacement bolts.

D Measurement

The department will measure Reinstall Truss as each individual truss, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.10	Reinstall Truss	Each

Payment is full compensation for removing and reinstalling the truss that was placed incorrectly; for furnishing all necessary connection bolts; for removing and reinstalling the sign panels per the plan; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

24. Tension Truss Connection Bolt, Item SPV.0060.11.

A Description

This special provision describes tensioning the truss connection bolts as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans. Replace deteriorated bolts which cannot be properly tensioned. Follow the department's Form DT2322 pre-installation and installation procedures for replaced bolts. Do not install lock washers on new connections. Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work

D Measurement

The department will measure Tension Truss Connection Bolt as each individual connection bolt, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.11	Tension Truss Connection Bolt	Each

Payment is full compensation for tensioning loose truss connection bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

25. Tension Saddle Post to Truss/Chord Connection Bolt, Item SPV.0060.12.**A Description**

This special provision describes tensioning the Post to Truss/Chord connection bolts as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans. Replace deteriorated bolts which cannot be tensioned properly or show areas of section loss and/or are damaged. Ensure that bolt is snug-tight only, do not over tighten. Crimp threads of the bolt after tensioning the connection. Replacement of deteriorated bolts is considered incidental to this item.

D Measurement

The department will measure Tension Saddle Post to Truss/Chord Connection Bolt as each individual connection bolt, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.12	Tension Saddle Post to Truss/Chord Connection Bolt	Each

Payment is full compensation for tensioning loose truss connection bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

26. Clean Nesting Debris, Item SPV.0060.13.**A Description**

This special provision describes removing nesting debris at truss connections at the locations shown in the plans.

B (Vacant)**C Construction**

Remove and properly dispose of all debris at the truss connections and elements. Ensure that the connections and truss elements are free of all debris.

D Measurement

The department will measure Clean Nesting Debris by each location, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.13	Clean Nesting Debris	Each

Payment is full compensation for removing all debris at connections and truss elements; for properly disposing of existing materials; for furnishing all materials and miscellaneous items to complete the repair.

27. Install U-bolt, Item SPV.0060.14.

A Description

This special provision describes installing U-bolts as shown on the plans, and as hereinafter provided.

B Materials

Stainless steel U-bolts and lock washers shall conform to ASTM A304.

Stainless steel hex nuts shall conform to ASTM A276.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

D Measurement

The department will measure Install U-bolt as each individual U-bolt, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.14	Install U-bolt	Each

Payment is full compensation for installing U-bolts; for removing and properly disposing of existing materials; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

28. Install Vertical Sign Support Bracket/Support Bolts, Item SPV.0060.15.

A Description

This special provision describes installing vertical sign support brackets and support bolts as shown in the plans, and as hereinafter provided.

B Materials

Furnish sign supports made of aluminum I-beams that are according to the WisDOT sign plate manual Type I Sign Connection to Overhead Sign Support.

Furnish sign panel connectors that are according to the WisDOT sign plate manual Aluminum Extrusions for Type I Signs.

Furnish stainless steel U-bolts according to the pertinent provisions of standard spec 641 and as shown on the state standard detail drawings.

C Construction

Field verify the length and the depth of the existing aluminum I-beams and provide the same depth aluminum I-beams for the new vertical sign supports. If the existing aluminum I-beams are less than 5-inches in depth, contact the engineer prior to proceeding with any further work.

Install the vertical sign supports, stainless steel U-bolts, sign panel connectors, and support bolts as shown in the plans.

D Measurement

The department will measure Install Vertical Sign Support Bracket/Support Bolts by each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.15	Install Vertical Sign Support Bracket/Support Bolts	Each

Payment is full compensation for field verifying existing conditions; for furnishing and installing the vertical sign supports, including the sign panel connectors, stainless steel U-bolts, and support bolts; for fabricating, handling, transporting, and erecting.

29. Replace Sign ID Bridge Plaque, Item SPV.0060.16.**A Description**

This special provision describes replacing sign bridge ID plaques as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to SDD Structure Identification Plaques, Ramp Gates, Sign Bridges, Overhead Sign Support, and Traffic Signals.

C Construction

Install the sign bridge ID plaque according to SDD Structure Identification Plaques, Ramp Gates, Sign Bridges, Overhead Sign Support, and Traffic Signals.

D Measurement

The department will measure Replace Sign ID Bridge Plaque as each individual sign bridge ID plaque, acceptably completed

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.16	Replace Sign ID Bridge Plaque	Each

Payment is full compensation for furnishing and installing sign bridge ID plaques.

30. Replace Sign Panel Connector, Item SPV.0060.17.

A Description

This special provision describes furnishing and installing sign panel connectors and removing and replacing existing defective or damaged sign panel connectors as shown in the plans, and as hereinafter provided.

B Materials

Provide sign panel connectors meeting the requirements of standard spec 637.2.4 and Sign Plate A5-2. Connectors may be stainless steel or aluminum alloy, 356-T6.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 637 and as shown in the plans.

Remove and properly dispose of defective or damaged existing sign panel connectors.

Tighten the bolts and nuts to the manufacturer's recommended torque value.

Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work

D Measurement

The department will measure Replace Sign Panel Connector as each individual sign panel connector, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.17	Replace Sign Panel Connector	Each

Payment is full compensation for furnishing and installing sign panel connectors; for removing and properly disposing of existing defective or damaged sign panel connectors.

31. Reattach Type-II Sign, Item SPV.0060.18.

A Description

This special provision describes attaching type II signs as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to Sign Plate A5-9 for signs mounted on vertical posts and Sign Plate A4-7 for signs mounted on horizontal chords.

C Construction

Field verify the size of the Type II sign.

Fasten the type II sign to the post according to the requirements of Sign Plate A5-9 for signs mounted on vertical posts and Sign Plate A4-7 for signs mounted on horizontal chords.

D Measurement

The department will measure Reattach Type-II Sign by each unit, acceptably completed.

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.0060.18	Reattach Type-II Sign	Each

Payment is full compensation for field verifying existing conditions; for furnishing and installing all connection hardware and attaching the type-II sign.

32. Install Overhead Sign Mounting System, Item SPV.0060.19.**A Description**

This special provision describes replacing existing overhead sign mounting systems as shown on the plans, and as hereinafter provided.

B Materials

Furnish an overhead sign mounting system according to standard spec 637.

C Construction

Take down the existing sign panel and remove the existing overhead sign mounting system and properly dispose of the mounting system.

Reinstall the sign panel on the structure with a new overhead sign mounting system according to standard spec 637.

All work required for removing and replacing the overhead sign mounting system and reinstalling the sign panel for each individual sign panel shall be completed prior to opening the lane to traffic. At no time shall a lane be open to traffic without the sign panel above it. Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work

D Measurement

The department will measure Install Overhead Sign Mounting System by each sign mounting system, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.19	Install Overhead Sign Mounting System	Each

Payment is full compensation for taking down the existing sign panel; removing and properly disposing of the existing mounting system; furnishing and installing the new mounting system; and for reinstalling the sign panel on the structure.

33. Replace Sign Connection Assembly, Item SPV.0060.20.**A Description**

This special provision describes replacing the cracked or missing sign connection assemblies as shown on the plans, and as hereinafter provided.

B Materials

Furnish connection materials for overhead-mounted signs that are according to standard spec 637 and which are on the department's approved product list and as shown in the plans.

C Construction

Use construction methods that are according to standard spec 637 and 641 and as shown in the plans. All bolts, nuts, washers or miscellaneous items required to replace the cracked or deteriorated sign connection assembly will be considered incidental to this item. Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

D Measurement

The department will measure Replace Sign Connection Assembly as each individual sign connection assembly, acceptably installed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.20	Replace Sign Connection Assembly	Each

Payment is full compensation for replacing sign connection assemblies; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

34. Slotted Vertical Sign Support Repair, Item SPV.0060.21.

A Description

This special provision describes repairing the slotted holes in vertical sign supports as shown in the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

C Construction

Field verify the length of the aluminum plate needed for the existing aluminum I-beam with the slotted holes and field verify the U-bolt size and diameter. Remove all existing U-bolt connections and hardware. Install the new stainless steel U-bolts, bolts, and aluminum plates as shown on the plans. Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work

D Measurement

The department will measure Slotted Vertical Sign Support Repair as each individual aluminum I-beam, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.21	Slotted Vertical Sign Support Repair	Each

Payment is full compensation for field verifying existing aluminum I beam needing repair; for furnishing and installing all materials and miscellaneous items to complete all required repairs at each individual I-beam.

35. Install Vertical Sign Support, Item SPV.0060.22.

A Description

This special provision describes installing vertical sign supports as shown in the plans.

B Materials

Furnish sign supports made of aluminum I-beams that are according to the WisDOT sign plate manual Type I Sign Connection to Overhead Sign Support.

Furnish sign panel connectors that are according to the WisDOT sign plate manual Aluminum Extrusions for Type I Signs.

Furnish stainless steel U-bolts according to the pertinent provisions of standard spec 641 and as shown on the state standard detail drawings.

C Construction

Field verify the length and the depth of the existing aluminum I-beams and provide the same depth aluminum I-beams for the new vertical sign supports. If the existing aluminum I-beams are less than 5-inches in depth, contact the engineer prior to proceeding with any further work.

Install the vertical sign supports, stainless steel U-bolts and sign panel connectors as shown in the plans.

Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

D Measurement

The department will measure Install Vertical Sign Support by each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.22	Install Vertical Sign Support	Each

Payment is full compensation for field verifying existing conditions; for furnishing and installing the vertical sign supports, including the sign panel connectors and stainless steel U-bolts.

36. Secure Handhole Cover, Item SPV.0060.23.**A Description**

This special provision describes replacing or tightening handhole cover bolts as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans. Replace missing handhole cover bolts, replace corroded non-functioning handhole cover bolts, and tighten handhole cover bolts to securely fasten handhole covers to the column. Drill and tap bolt holes as required.

D Measurement

The department will measure Secure Handhole Cover as each individual handhole cover, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.23	Secure Handhole Cover	Each

Payment is full compensation for replacing or tightening handhole cover bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

37. Secure Luminaire Cover, Item SPV.0060.24.**A Description**

This special provision describes securing the luminaire cover as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to standard spec 659 and as shown in the plans.

C Construction

Use construction methods that are according to standard spec 659 and as shown in the plans.

Field verify the size and type of connection fastener in the existing luminaire and provide new fasteners of the same size and type. If the existing fasteners are sheared off in the luminaire cover, drill and tap the holes to accept new fasteners.

Remove and properly dispose of the existing fasteners being replaced.

D Measurement

The department will measure Secure Luminaire Cover as each individual luminaire cover, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.24	Secure Luminaire Cover	Each

Payment is full compensation for field verifying existing conditions; for removing and properly disposing of the existing fasteners; for furnishing and installing the new fasteners, including drilling and tapping holes.

38. Install Junction Box Cover, Item SPV0060.25.

A Description

This special provision describes installing missing or damaged electrical junction box covers as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 652 and as shown in the plans. Field verification will be required for proper sizing of the junction box covers.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 652 and as shown in the plans. This work will consist of providing and placing missing junction box covers and all hardware necessary to complete the work.

D Measurement

The department will measure Install Junction Box Cover in place by the unit, for each junction box cover provided and placed according to the contract and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.25	Install Junction Box Cover	Each

Payment is full compensation for installing a junction box cover; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

39. Tighten Signal Mount Socket Connection, Item SPV.0060.26.

A Description

This special provision describes tightening loose signal mount connections as shown on the plans, and as hereinafter provided.

B (Vacant)

C Construction

Use construction methods that are according to standard spec 658. Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work

D Measurement

The department will measure Tighten Signal Mount Socket Connection as each individual signal mount socket connection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.26	Tighten Signal Mount Socket Connection	Each

Payment is full compensation for tightening signal mount socket connections.

40. Replace Conduit Plug, Item SPV.0060.27.**A Description**

This special provision describes replacing missing conduit plugs as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to standard spec 652 and as shown in the plans.

C Construction

Use construction methods that are according to standard spec 652 and as shown in the plans.

Field verify the size of the conduit plug required. Lubricate the conduit plug threads with an approved anti-seize compound.

D Measurement

The department will measure Replace Conduit Plug as each individual conduit plug, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.27	Replace Conduit Plug	Each

Payment is full compensation for field verifying existing conditions; for furnishing and installing the new conduit plug, including anti-seize compound.

41. Remove ASIM Traffic Counter Units, Item SPV.0060.28.

A Description

This special provision describes the removal and return of existing ASIM traffic counters as shown on the plans.

B (Vacant)

C Construction

Remove traffic counters, parts and fittings, and return them to the TAPCO.

TAPCO Inc
5100 W. Brown Deer Road
Milwaukee, WI 53223
Attn: Brian Scharles

The intent of this item of work is that most existing counters are obsolete and no longer needed and are to be stockpiled for the department's use as units or parts.

D Measurement

The department will measure Remove ASIM Traffic Counter Units as each unit removed and returned without damage. Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.28	Remove ASIM Traffic Counter Units	Each

Payment is full compensation for removal and stockpiling of traffic counters and its parts and fitting materials; for hauling them back to the TAPCO.

42. Remove Luminaire, Item SPV.0060.29.

A Description

This special provision describes the removal and return of existing luminaires from sign bridges to be scrapped.

B (Vacant)

C Construction

Remove luminaires, parts and fittings, and return them to the department. Lamp disposal will be measured and paid under a separate item of work. The intent of this item of work is that most existing luminaires on this project are current models and relatively new, and are to be stockpiled for the department's use as units or parts. Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

D Measurement

The department will measure Remove Luminaire as each unit removed and returned without damage.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.29	Remove Luminaire	Each

Payment is full compensation for removal and stockpiling of lighting materials; for hauling them back to the department.

43. Fill Erosion, Item SPV.0060.30.**A Description**

This special provision describes filling the erosion areas at the locations shown in the plans.

B Materials

Furnish materials for this item that are according to the pertinent provisions of standard spec 208, 627, and 630 and as shown on the plans. All seed and erosion mat necessary to landscape will be considered incidental to this item. Erosion control per standard spec 628 shall be considered incidental to this item.

C Construction

Use construction methods for this item that are according to the pertinent provisions of standard spec 208, 627, and 630 and as shown on the plans. Build up the fill to one foot above the bottom of the foundation to prevent future erosion. Compact all fill as necessary to prevent settling and washout. Place erosion mat and seed as necessary. Erosion control per standard spec 628 shall be considered incidental to this item.

D Measurement

The department will measure Fill Erosion by each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.30	Fill Erosion	Each

Payment is full compensation for filling erosion; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

44. Replace Dished Washer, Item SPV.0060.31.

A Description

This special provision describes furnishing and installing dished washers as shown on the plans, and as hereinafter provided.

B Materials

Furnish a dished washer that is according to standard spec 658.

C Construction

Use construction methods that are according to standard spec 658 and as shown in the plans.

Remove the existing dished washer and properly dispose of it.

Field verify the size of the existing dished washer and provide a new dished washer of the same size.

Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

D Measurement

The department will measure Replace Dished Washer as each individual dished washer, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.31	Replace Dished Washer	Each

Payment is full compensation for field verifying existing dished washer size; for removing and properly disposing of the existing dished washer; and for furnishing and installing the new dished washer.

45. Replace Missing Handhole Cover, Item SPV.0060.32.

A Description

This special provision describes replacing handhole covers as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans. Replace missing handhole covers. Drill and tap bolt holes as required.

D Measurement

The department will measure Replace Missing Handhole Cover as each individual handhole cover, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.32	Replace Missing Handhole Cover	Each

Payment is full compensation for replacing handhole cover; for handhole cover bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

46. Replace Safety Chain, Item SPV.0060.33.

A Description

This special provision describes replacing catwalk safety chains as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are in accordance standard spec 641 and as shown in the plans.

C Construction

Use construction methods that are according to standard spec 641 and as shown in the plans.

Field verify the length of safety chain required and the diameter of existing eyebolts.

Provide new eye bolts, nuts and washers for the safety chain. If the new eyebolts cannot be installed in the existing connection holes, drill the existing connection holes large enough to accept the new eyebolts.

Remove and properly dispose of the existing safety chain being replaced.

D Measurement

The department will measure Replace Safety Chain as each individual safety chain, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.33	Replace Safety Chain	Each

Payment is full compensation for field verifying existing conditions; for removing and properly disposing of the existing safety chain and connection hardware; for furnishing and installing the new safety chain and connection hardware, including drilling connection holes.

47. Replace Truss Member, Item SPV.0060.34.**A Description**

This special provision describes replacing a truss member as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

Field verify steel type, member section, and member length to replace the missing truss member. Ensure a secure fit of the new member on to the truss.

Follow the department's Form DT2322 installation procedure for tensioning of the replacement bolts.

Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

D Measurement

The department will measure Replace Truss Member as each individual truss member, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.34	Replace Truss Member	Each

Payment is full compensation for replacing truss member as well as the necessary connection bolts; for removing and properly disposing of existing materials being

replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

48. Secure/Replace Post Cap, Item SPV.0060.35.

A Description

This special provision describes replacing missing or deteriorated end caps and securing them as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans. Field verify size of post caps to be replaced.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans. Miscellaneous hardware required to securely install the end cap will be considered incidental to this item.

D Measurement

The department will measure Secure/Replace Post Cap as each individual post cap, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.35	Secure/Replace Post Cap	Each

Payment is full compensation for replacing a post cap and securing post cap; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

49. Tension Cantilever Post to Truss Connection Bolt, Item SPV.0060.36.

A Description

This special provision describes tensioning post-to-truss connection bolts on a 4-chord cantilever as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans. Follow the re-tensioning procedure outlined herein:

1. Remove one and only one nut on the loose connections.
2. Lubricate the bolt threads with wax based lubricant to ensure that nut can rotate freely.
3. Tighten each nut until it turns or reaches the verification torque (V_T) shown in Table A below.

Table A		
A325 High Strength Bolts		
Bolt Diameter (inches)	Minimum Tension (kips)	Minimum Torque (ft·lbs)
3/4	28	175
7/8	39	284
1	51	425
1 1/8	56	525
1 1/4	71	740
1 3/8	85	974
1 1/2	103	1288

4. Nuts not reaching the V_T are considered loose. If any bolts are found to be loose, follow the procedure for replacement below.
5. Field verify the size and number of bolts, nuts, flat washers, and DTI washers at each structure to be replaced. Note that since the DTI's are to be utilized, the number of washers may change and the lengths of the bolts may need to be increased.
6. Furnish bolts, flat washers, heavy hex nuts, and DTI's conforming to standard spec 506.
7. Perform the pre-installation test according to the department's Form DT2322.
8. Tighten all nuts that are loose to snug tight. Note that this is to be done for stability purposes.
9. Once all nuts are snug, remove one and only one bolt at a time and follow the remaining procedure. Existing bolts shall be discarded.
10. Lubricate the new nut threads and one face.
11. Install the lubricated bolt to snug tight.
12. Repeat steps 5 through 9 in this specification until all bolts have been replaced.
13. Follow the department's Form DT2322 installation procedure for tensioning of the replacement bolts.
14. Complete Form DT2322 for each structure and submit to Tom Heydel for transmittal to BOS and inclusion in HSIS.

D Measurement

The department will measure Tension Cantilever Post to Truss Connection Bolt as each individual connection bolt, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.36	Tension Cantilever Post to Truss Connection Bolt	Each

Payment is full compensation for tensioning loose post to truss connection bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

50. Tighten Loose U-Bolt, Item SPV.0060.37.**A Description**

This special provision describes tightening loose U-bolts and installing lock washers as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans. Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

D Measurement

The department will measure Tighten Loose U-Bolt as each individual U-bolt, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.37	Tighten Loose U-Bolt	Each

Payment is full compensation for tightening loose U-bolts and installing lock washers at all loose connections; and for furnishing all materials.

51. Tighten/Replace Handhole Cover Bolt, Item SPV.0060.38.**A Description**

This special provision describes replacing or tightening handhole cover bolts as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and 506 and as shown in the plans. Replace missing handhole cover bolts, replace corroded non-functioning handhole cover bolts, and tighten handhole cover bolts to securely fasten handhole covers to the column. Drill and tap bolt holes as required.

D Measurement

The department will measure Tighten/Replace Handhole Cover Bolt as each individual handhole cover bolt, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.38	Tighten/Replace Handhole Cover Bolt	Each

Payment is full compensation for replacing or tightening handhole cover bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

52. Align Locking Pin, Item SPV.0060.39.**A Description**

This special provision describes aligning locking pins as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to standard spec 641 and as shown in the plans.

C Construction

Use construction methods that are according to standard spec 641 and as shown in the plans.

Align Locking Pin such that the existing railing operates correctly.

D Measurement

The department will measure Align Locking Pin as each individual handrail hinge pin, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.39	Align Locking Pin	Each

Payment is full compensation for field verifying existing conditions; for aligning the locking pin so the handrail can be used properly; and for furnishing all materials.

53. Tension Truss Gusset Connection Bolt, Item SPV.0060.40.

A Description

This special provision describes tensioning truss gusset connection bolts as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 641 and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 641 and as shown in the plans. Follow the re-tensioning procedure outlined herein:

1. Tighten each nut until it turns or reaches the verification torque (V_T) shown in Table A below.

Table A		
A325 High Strength Bolts		
Bolt Diameter (inches)	Minimum Tension (kips)	Minimum Torque (ft·lbs)
3/4	28	175
7/8	39	284
1	51	425
1 1/8	56	525
1 1/4	71	740
1 3/8	85	974
1 1/2	103	1288

2. Nuts not reaching the V_T are considered loose. If any bolts are found to be loose, follow the procedure for replacement below.
3. Field verify the size and number of bolts, nuts, flat washers, and DTI washers at each structure to be replaced. Note that since the DTI's are to be utilized, the number of washers may change and the lengths of the bolts may need to be increased.
4. Furnish bolts, flat washers, heavy hex nuts, and DTI's conforming to standard spec 506.
5. Perform the pre-installation test according to the department's Form DT2322.
6. Tighten all nuts that are loose to snug tight. Note that this is to be done for stability purposes.

7. Once all nuts are snug, remove one and only one bolt at a time and follow the remaining procedure. Existing bolts shall be discarded.
8. Lubricate the new nut threads and one face.
9. Install the lubricated bolt to snug tight.
10. Repeat steps 5 through 9 in this specification until all bolts have been replaced.
11. Follow the department's Form DT2322 installation procedure for tensioning of the replacement bolts.
12. Complete Form DT2322 for each structure and submit to Tom Heydel for transmittal to BOS and inclusion in HSIS.

Work shall not be completed above live traffic. Lane closures are to be utilized as necessary to complete the work.

D Measurement

The department will measure Tension Truss Gusset Connection Bolt as each individual connection bolt, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.40	Tension Truss Gusset Connection Bolt	Each

Payment is full compensation for tensioning loose truss gusset connection bolts; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

54. Install/Replace Catwalk Handrail, Item SPV.0090.01.

A Description

This special provision describes installing/replacing catwalk handrail as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials as shown in the plans.

C Construction

Use construction methods as shown in the plans.

Field verify all dimension of the existing catwalk handrail. Provide new catwalk handrail that matches the existing and will provide a smooth level transition from the new catwalk handrail to the existing catwalk handrail. Provide and install new connection hardware for the catwalk handrail and splice the new catwalk handrail to the existing catwalk handrail at the point where the damaged area is located.

Remove and properly dispose of the existing catwalk handrail and connection hardware being replaced.

D Measurement

The department will measure Install/Replace Catwalk Handrail in length by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Install/Replace Catwalk Handrail	LF

Payment is full compensation for field verifying existing conditions; for removing and properly disposing of the existing catwalk handrail and connection hardware; for furnishing and installing the new catwalk handrail and connection hardware, including splices.

55. Removing Overhead Sign Support S-30-210, Item SPV.0105.01; Removing Overhead Sign Support S-30-215, Item SPV.0105.02.

A Description

Work under this item shall consist of removing the overhead sign structure and footing. The sign on the structure is paid for under a separate pay item, i.e., Removing signs type II. See signing plans for location.

B (Vacant)

C Construction

Remove overhead sign supports and concrete footings, backfill the resulting holes, and dispose of all materials outside of the right-of-way according to standard spec 204.3 and 638.3. Concrete footing shall be removed to 2' below the existing ground. The reinforcement shall be cut off flush with the top of the concrete. The footing shall be then covered with topsoil and seeded. This is all incidental to Removing Overhead Sign Support (Structure).

D Measurement

The department will measure Removing Overhead Sign Support (Structure), as a single lump sum unit of work in place, 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	Removing Overhead Sign Support S-30-210	LS
SPV.0105.02	Removing Overhead Sign Support S-30-215	LS

Payment in full compensation for disassembling, removing, including concrete footings, backfilling, and disposal of all materials.

638-SER1 (20040405)

56. Partial Removal of Sign Structure Foundation, Item SPV.0105.03.

A Description

This special provision describes removing the concrete cap and north wing of the existing sign structure foundation, S-67-02, to the extents shown on the plans, removing existing gravel material in the vicinity of the existing and proposed sign structure and placing and compacting new embankment material as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are according to the pertinent provisions of standard spec 204 and 209, and as shown in the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 204 and 209, and as shown in the plans. Standard spec 207.3.6.2 "Standard Compaction" shall be followed and is incidental to this item.

The contractor shall remove all gravel embankment material down to the existing soil to the extents shown in the plans. The contractor shall remove the concrete cap of the existing sign structure to the top of the drilled shaft. The north wing of the foundation shall be removed and all exposed reinforcing cut flush to the drilled shaft. The contractor shall backfill the wing trench with material according to standard spec 209 and compacted following standard spec 207.3.6.2. The existing embankment grade shall be brought up to the elevation shown in the plans, with material according to standard spec 209 and compacted following standard spec 207.3.6.2, to the extents shown on the plans. This work is incidental to the item.

The contractor shall use any means necessary to prevent any impact on the adjacent noise wall and barrier wall so long as those means do not impact the traffic control as stated in the Traffic article of these special provisions. This work shall be incidental to the item. If at any time during removals, excavation or placement and compaction of granular material, movement of the barrier wall or noise wall is observed, the contractor shall stop all activity and immediately notify the engineer.

D Measurement

The department will measure Partial Removal of Sign Structure Foundation by the 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	Partial Removal of Sign Structure Foundation	LS

Payment is full compensation for removing deteriorated concrete cap, wing, and gravel; for removing and properly disposing of existing materials being replaced; for placing backfill material, grading and for furnishing all materials and miscellaneous items to complete the repair; for fabricating, handling, transporting, and erecting.

57. Replace Type II Sign, Item SPV.0165.01.

A Description

This special provision describes replacing type II sign straps as shown on the plans.

B Materials

Provide materials that are according to the pertinent provisions of standard spec 637 and as shown on the plans.

C Construction

Use construction methods that are according to the pertinent provisions of standard spec 637 and as shown in the plans.

D Measurement

The department will measure Replace Type II Sign in place by the square foot, placed according to the contract and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.01	Replace Type II Sign	SF

Payment is full compensation for furnishing and installing all materials and miscellaneous items; for removing and properly disposing of existing materials being replaced.

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:

550.5.2 Piling

Add the following as paragraph three effective with the December 2015 letting:

- (3) The department will not entertain a change order request for a differing site condition under 104.2.2.2 or for a quantity change under 104.2.2.4.3 for the Piling bid items. Instead the department will adjust pay under the Piling Quantity Variation administrative item if the total driven length of each size is less than 85 percent of, or more than 115 percent of the contract quantity as follows:
- | Percent of Contract Length Driven | Pay Adjustment |
|-----------------------------------|--|
| < 85 | (85% contract length - driven length) x 20% unit price |
| > 115 | (driven length - 115% contract length) x 5% unit price |

643.2.1 General

Replace paragraph two with the following effective with the December 2015 letting:

- (2) Use reflective sheeting from the department's approved products list on barricades, drums, and flexible tubular marker posts.

Errata

Make the following corrections to the standard specifications:

641.2.9 Overhead Sign Supports

Correct errata adding back accidentally deleted paragraphs one through three.

- (1) Provide commercially fabricated overhead sign supports conforming to AASHTO design and fabrication standards for structural supports for highway signs, luminaires, and traffic signals. Use a design life of 50 years with a wind importance factor of 1.00. Design to withstand a 3 second gust wind speed of 90 mph. Do not use the methods of appendix C of those AASHTO standards.
- (2) Design structures, listed as applicable structure types in the AASHTO standards, to the fatigue category criteria as follows:
 1. Structures carrying variable message signs:
 - Category I criteria for structures over all roadway types.
 2. Structures carrying type II or III signs:
 - Category I criteria for structures used over highways and free flow ramps.
 - Category II criteria for structures with arms greater than 30 feet used over local roads and city streets.
 - Category III criteria for structures with arms 30 feet or less used over local roads and city streets.
- (3) Use the posted speed limit of the roadway beneath the structure for truck-induced gusts.
- (4) Submit shop drawings identified by structure number, design computations, and material specifications, to the engineer before erecting sign supports. Provide tightening procedures for mast arm or luminaire arm to pole shaft connections on the shop drawings. Have a professional engineer registered in the state of Wisconsin sign, seal, and date the shop drawings and certify that the design conforms to AASHTO standards and the contract.
- (5) Provide steel pole shafts and mast arms zinc coated according to ASTM A123. Provide tapered pole and arm shafts with a minimum taper of 0.14 inch per foot for single-member vertical and single-member horizontal structure components. Provide bolts and other hardware conforming to 641.2.2.

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:

<http://wisconsindot.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:

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

Effective August 2015 letting

BUY AMERICA PROVISION

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials from smelting forward in the manufacturing process must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America. The exemption of this requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project. The contractor shall take actions and provide documentation conforming to CMM 2-28.5 to ensure compliance with this "Buy America" provision.

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

Upon completion of the project certify to the engineer, in writing using department form WS4567, that all steel, iron, and coating processes for steel or iron incorporated into the contract work conform to these "Buy America" provisions. Attach a list of exemptions and their associated costs to the certification form. Department form WS4567 is available at:

<http://wisconsindot.gov/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
MILWAUKEE 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	35.37	17.99	53.36
Carpenter	33.68	19.99	53.67
Cement Finisher	32.75	19.21	51.96
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	33.93	22.77	56.70
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	30.77	23.97	54.74
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)	37.43	18.19	55.62
Painter	29.22	16.69	45.91
Pavement Marking Operator	30.27	18.79	49.06
Piledriver	30.11	26.51	56.62
Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.60/hr on 6/1/2016.			
Premium Pay: Add \$.65/hr for Piledriver Loftsmen; Add \$.75/hr for Sheet Piling Loftsmen. 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.			
Roofer or Waterproofing	29.40	17.05	46.45
Teledata Technician or Installer	24.89	17.15	42.04
Tuckpointer, Caulker or Cleaner	33.76	17.82	51.58

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
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	14.64	46.24
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	17.13	40.29
Shadow or Pilot Vehicle	24.37	17.77	42.14
Truck Mechanic	24.52	17.77	42.29

LABORERS

General Laborer	27.06	20.03	47.09
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 \$.15/hr for air tool operator, joint sawer and filler (pavement), vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.35/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.50/hr for line and grade specialist; Add \$.65/hr for blaster and powderman; Add \$2.01/hr for topman; Add \$2.46/hr for bottomman; Add \$3.23/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	22.05	18.41	40.46
Landscaper	27.06	20.03	47.09
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 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	22.55	19.37	41.92

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	<u>\$</u>	<u>\$</u>	<u>\$</u>
Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.71	16.01	33.72
Railroad Track Laborer	14.50	4.39	18.89

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 Mfr.'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 Mfr.'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 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);	36.72	21.15	57.87
--	-------	-------	-------

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	\$	\$	\$
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. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	35.72	17.85	53.57
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:
20160412004PROJECT(S):
1000-20-68FEDERAL ID(S):
N/A

CONTRACTOR : _____

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

SECTION 0001 Roadway Items

0010	619.1000 Mobilization	1.000				
	EACH		.		.	
0020	634.0616 Posts Wood 4x6-Inch X 16-FT	4.000				
	EACH		.		.	
0030	636.0100 Sign Supports Concrete Masonry	8.000				
	CY		.		.	
0040	636.1000 Sign Supports Steel Reinforcement HS	980.000				
	LB		.		.	
0050	637.1220 Signs Type I Reflective SH	200.500				
	SF		.		.	
0060	637.2210 Signs Type II Reflective H	36.000				
	SF		.		.	
0070	637.2215 Signs Type II Reflective H Folding	18.000				
	SF		.		.	
0080	641.1200 Sign Bridge Cantilevered (structure) 01. S-67-972		LUMP	LUMP		.
0090	643.0100 Traffic Control (project) 01. 1000-20-68	1.000				
	EACH		.		.	
0100	SPV.0060 Special 01. SIGN STRUCTURE ANCHOR ROD REPAIR	11.000				
	EACH		.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160412004PROJECT(S):
1000-20-68FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	SPV.0060 Special 02. REMOVE GROUT PAD	4.000 EACH	.		.	
0120	SPV.0060 Special 03. REPLACE RODENT SCREEN	9.000 EACH	.		.	
0130	SPV.0060 Special 04. TENSION ANCHOR RODS	71.000 EACH	.		.	
0140	SPV.0060 Special 05. REPAIR FOUNDATION	1.000 EACH	.		.	
0150	SPV.0060 Special 06. REMOVE FILL/DEBRIS AND REGRADE	5.000 EACH	.		.	
0160	SPV.0060 Special 07. SPlice CONNECTION BOLT REPLACEMENT	93.000 EACH	.		.	
0170	SPV.0060 Special 08. TIGHTEN/REPLACE POST TO MAST ARM CONNECTION	7.000 EACH	.		.	
0180	SPV.0060 Special 09. SECURE/REPLACE CHORD CAP	1.000 EACH	.		.	
0190	SPV.0060 Special 10. REINSTALL TRUSS	1.000 EACH	.		.	
0200	SPV.0060 Special 11. TENSION TRUSS CONNECTION BOLT	3.000 EACH	.		.	
0210	SPV.0060 Special 12. TENSION SADDLE POST TO TRUSS/CHORD CONNECTION BOLT	2.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160412004PROJECT(S):
1000-20-68FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	SPV.0060 Special 13. CLEAN NESTING DEBRIS	1.000 EACH	.		.	
0230	SPV.0060 Special 14. INSTALL U-BOLT	3.000 EACH	.		.	
0240	SPV.0060 Special 15. INSTALL VERTICAL SIGN SUPPORT BRACKET/SUPPORT BOLTS	2.000 EACH	.		.	
0250	SPV.0060 Special 16. REPLACE SIGN ID BRIDGE PLAQUE	10.000 EACH	.		.	
0260	SPV.0060 Special 17. REPLACE SIGN PANEL CONNECTOR	61.000 EACH	.		.	
0270	SPV.0060 Special 18. REATTACH TYPE II SIGN	2.000 EACH	.		.	
0280	SPV.0060 Special 19. INSTALL OVERHEAD SIGN MOUNTING SYSTEM	2.000 EACH	.		.	
0290	SPV.0060 Special 20. REPLACE SIGN CONNECTION ASSEMBLY	1.000 EACH	.		.	
0300	SPV.0060 Special 21. SLOTTED VERTICAL SIGN SUPPORT REPAIR	87.000 EACH	.		.	
0310	SPV.0060 Special 22. INSTALL VERTICAL SIGN SUPPORT	7.000 EACH	.		.	
0320	SPV.0060 Special 23. SECURE HANDHOLE COVER	1.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160412004PROJECT(S):
1000-20-68FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	SPV.0060 Special 24. SECURE LUMINAIRE COVER	4.000 EACH	.		.	
0340	SPV.0060 Special 25. INSTALL JUNCTION BOX COVER	1.000 EACH	.		.	
0350	SPV.0060 Special 26. TIGHTEN SIGNAL MOUNT SOCKET CONNECTION	2.000 EACH	.		.	
0360	SPV.0060 Special 27. REPLACE CONDUIT PLUG	1.000 EACH	.		.	
0370	SPV.0060 Special 28. REMOVE ASIM TRAFFIC COUNTER UNITS	26.000 EACH	.		.	
0380	SPV.0060 Special 29. REMOVE LUMINAIRE	2.000 EACH	.		.	
0390	SPV.0060 Special 30. FILL EROSION	2.000 EACH	.		.	
0400	SPV.0060 Special 31. REPLACED DISHED WASHER	4.000 EACH	.		.	
0410	SPV.0060 Special 32. REPLACE MISSING HANDHOLE COVER	2.000 EACH	.		.	
0420	SPV.0060 Special 33. REPLACE SAFTEY CHAIN	2.000 EACH	.		.	
0430	SPV.0060 Special 34. REPLACE TRUSS MEMBER	1.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160412004PROJECT(S):
1000-20-68FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0440	SPV.0060 Special 35. SECURE/REPLACE VERTICAL POST CAP	2.000 EACH	.		.	
0450	SPV.0060 Special 36. TENSION CANTILEVER POST TO TRUSS CONNECTION BOLT	2.000 EACH	.		.	
0460	SPV.0060 Special 37. TIGHTEN LOOSE U-BOLT	4.000 EACH	.		.	
0470	SPV.0060 Special 38. TIGHTEN/REPLACE HANDHOLE COVER BOLT	2.000 EACH	.		.	
0480	SPV.0060 Special 39. ALIGN LOCKING PIN	2.000 EACH	.		.	
0490	SPV.0060 Special 40. TENSION TRUSS GUSSET CONNECTION BOLT	2.000 EACH	.		.	
0500	SPV.0090 Special 01. INSTALL/REPLACE CATWALK HANDRAIL	4.000 LF	.		.	
0510	SPV.0105 Special 01. REMOVING OVERHEAD SIGN SUPPORT S-30-210	LUMP	LUMP		.	
0520	SPV.0105 Special 02. REMOVING OVERHEAD SIGN SUPPORT S-30-215	LUMP	LUMP		.	
0530	SPV.0105 Special 03. PARTIAL REMOVAL OF SIGN STRUCTURE FOUNDATION	LUMP	LUMP		.	
0540	SPV.0165 Special 01. REPLACE TYPE-II SIGN	20.000 SF	.		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	

PLEASE ATTACH SCHEDULE OF ITEMS HERE