

HIGHWAY WORK PROPOSAL

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

Proposal Number:

Ø 8

COUNTY	STATE PROJECT ID	FEDERAL PROJECT ID	PROJECT DESCRIPTION	HIGHWAY
SE Region Wide	1000-20-60		Sign Bridge Repairs 2014	Various 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 8, 2014 Time (Local Time): 9:00 AM	Firm Name, Address, City, State, Zip Code
Contract Completion Time November 3, 2014	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 repairs and all incidentals.	
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.

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://www.dot.wisconsin.gov/business/engrserv/bid-letting-information.htm>. 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://www.dot.wisconsin.gov/business/engrserv/bid-letting-information.htm> or by calling the department at (608) 266-1631. Addenda can ONLY be obtained from the departments web site listed above or by picking up the addenda at the Bureau of Highway Construction, Room 601, 4802 Sheboygan Avenue, Madison, WI, during regular business hours.

B Submitting Electronic Bids

B.1 On the Internet

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

1. Download the latest schedule of items reflecting all addenda from the Bid Express™ web site.
 2. Use Expedite™ software to enter a unit price for every item in the schedule of items.
 3. Submit the bid according to the requirements of Expedite™ software and the Bid Express™ web site. Do not submit a bid on a printout with accompanying diskette or CD ROM or a paper bid. If the bidder does submit a bid on a printout with accompanying diskette or a paper bid in addition to the internet submittal, the department will disregard the internet bid.
 4. Submit the bid before the hour and date the Notice to Contractors designates.
 5. Do not sign, notarize, and return the bidding proposal described in 102.2 of the standard specifications.
- (3) The department will not consider the bid accepted until the hour and date the Notice to Contractors designates.

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

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

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

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

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

C Waiver of Electronic Submittal

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

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

(Signature of Attorney-in-Fact)

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

March 2010

LIST OF SUBCONTRACTORS

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

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

[illegible]

DECEMBER 2000

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

Instructions for Certification

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

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

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

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

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

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SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 1000-20-60, Sign Bridge Repairs 2014 on various highways, Southeast Region Wide located in Kenosha, Milwaukee, Racine, Washington, and Waukesha Counties of 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, 2014 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 (20130615)

2. Scope of Work.

The work under this contract shall consist of 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.

Lane Rental Assessment

This contract includes a procedure for a lane rental charge under which the contractor is assessed a rental charge for a lane closure that extends beyond this contract's approved Night Time Hours or Off-Peak Hours. A lane closure will be defined as any part or whole of a lane closed in one direction. If a lane is obstructed at any time due to contractor operations, it is considered a closure. The purpose of the lane rental assessment is to discourage unnecessary closures, especially during weekday peak hours.

The hourly rental rate will be assessed for each lane closure as follows:

Closure Type	Weekday Peak Hours for Mainline and Service or Directional Ramps Hourly Rental per Lane	Weekday Peak Hours and Off Peak Hours for System to System Ramps Hourly Rental per Lane
Lane Closure	\$3000	\$5000

The monetary amount represents the average hourly cost of the interference and inconvenience to the road user for each lane closure.

A weekday is defined as the time period from 12:00 AM on any Monday to 11:59 PM on any Friday of a given week. Weekday peak hours are defined under the Traffic Article.

The rental will be assessed in 15-minute increments for closure time periods equal to or less than 60 minutes in length. All closure durations will be rounded up to the nearest quarter hour for the purpose of this computation. Deductions will be made from the monies due to the contractor based on the hourly rental rate for the closure type and hourly definition that the non-compliant closure occurs. The deduction 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 charge.

Lane rental will not be assessed for closures due to crashes, accidents, or emergencies.

The department will administer the lane rental assessment under the administrative item "801.0104 Failing to Open Road to Traffic."

4. Traffic.

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

The following shall apply to this contract:

Single Lane Closures- Weekday and Weekend Off-Peak Hours
Dual Lane Closures- Night Time Hours
Full Closures- Full Freeway Closure Hours.

Shoulder Closures – 9:00 AM to 2:00 PM daily.

Freeway Work

Do not perform any work requiring lane, ramp or shoulder closure on the project during the peak traffic periods in Kenosha, Milwaukee, Racine, Washington and Waukesha Counties.

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 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 Daily
- 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)

Washington County:**Peak Hours****Southbound**

- 6:00 AM – 9:00 AM Monday, Tuesday, Wednesday, Thursday, and Friday
- 10:00 AM – 7:00 PM Saturday and Sunday

Northbound

- 3:00 PM – 6:00 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
- 8:00 AM – 10:00 AM Saturday and Sunday
- 7:00 PM – 9:30 PM Daily

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 in accordance with the standard detail drawings (SDD) and have the approval of the engineer and the Southeast Region Work Zone Engineer, (262) 548-5669.

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.

Service interchange ramp closures shall be posted 3 calendar days in advance.

System interchange ramp closures shall be posted 7 calendar days in advance.

No two consecutive on or off ramps shall be closed at the same time.

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. Interchange ramp closures and/or lane reductions shall be posted XX calendar days in advance as required above.

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.

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 Prosecution and Progress article of these special provisions.

Advance Notification.

Provide the following minimum advance notification to the project engineer for incorporation into the Wisconsin Lane Closure System.

Service or Directional Ramp closures	5 business days
System Ramp closures	7 calendar days
Lane closures	3 business days
Full Freeway Closures	14 calendar days
Detours	14 calendar days

Notify the project engineer and SE Region Work Zone Engineer, (262) 548-5669, 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.

Coordinate the work schedule with special events such as Summerfest, Milwaukee Brewer's Home Games, State Fair and other events. No work is allowed within areas affected by special events.

Conventional Highway Work

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

5. 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 23, 2014 to 6:00 AM Tuesday, May 27, 2014 for Memorial Day;
- From noon Thursday, July 3, 2014 to 6:00 AM Monday, July 7, 2014 for Independence Day;
- From noon Friday, August 29, 2014 to 6:00 AM Tuesday, September 2, 2014 for Labor Day.

107-005 (20050502)

6. Utilities.

This project does come under the Trans 220 administrative rule. Any overhead and underground facilities will be accommodated to avoid any conflicts. The department has determined that the scope of work for this project will not impact, interfere, or unduly conflict with existing utilities within the project limits, and to follow the TRANS 220 requirements would be un-beneficial.

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.

7. 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 shall determine if the contract shall defer installation to a later date, or eliminate the installation from this contract.

8. 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.

Modify 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. Contractor shall measure the width of the L-brackets on existing structures of 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, one-half 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.

Append standard spec 637.3.2.1(3) with the following:

Provide the engineer with 3 copies of drawings of the signs proposed to be furnished under this contract for approval.

Append standard spec 637.3.3.2(2) with the following:

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

Append standard spec 637.3.3.3(3) with the following:

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.

637-SER1 (20120401)

9. 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 tagouts with manufactured tags, and endorse them with the date and the name of the contractor. Clear tagouts 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, (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 specs 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.

Modify standard spec 655.3.2 by adding the following requirement:

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.

10. Traffic Control.

Supplement the requirements of standard spec 643 with the following:

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

Mask-out, lay down, or turn away from the traffic view all traffic control signs when not in use as designated by the engineer.

Should work operations, in the opinion of the engineer, require freeway lane closures, close such lanes in accordance 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.

11. Repair Foundation, Item SPV.0025.01.

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 in accordance to the pertinent provisions of standard specs 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 in accordance to the pertinent provisions of standard specs 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 by the cubic 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.0025.01	Repair Foundation	CF

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; and for fabricating, handling, transporting, and erecting.

12. Fill Erosion, Item SPV.0060.01.**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 in accordance to the pertinent provisions of standard specs 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 in accordance to the pertinent provisions of standard specs 208, 627, and 630 and as shown on the plans. The fill will be built up to one foot above the bottom of the foundation to prevent future erosion. All fill will be compacted 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 individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	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.

13. Remove Fill and Regrade, Item SPV.0060.02.

A Description

This special provision describes removing fill and regrading around existing sign structure foundations as shown on the plans, and as hereinafter provided.

B (Vacant)

C Construction

Remove the existing fill around the existing foundation to fully expose the top 3-inches of the foundation on all sides. Slope the new grade away from the foundation at a maximum slope of 2H:1V and tie back into the existing grade.

Evenly spread the removed fill around the area adjacent to the foundation.

D Measurement

The department will measure Remove Fill and Regrade by each individual remove fill and regrade, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.02	Remove Fill and Regrade	Each

Payment is full compensation for removing, sloping, and spreading the existing fill.

14. Remove Grout Pad, Item SPV.0060.03.

A Description

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

B Materials

Furnish zinc-rich paint in accordance to standard spec 635.3.5.

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

C Construction

Remove and dispose of the grout pad in accordance to standard spec 509.3.6.

Thoroughly clean the existing anchor rods and leveling nuts below the base plate and apply zinc-rich paint to the anchor rods and leveling nuts in accordance to standard spec 635.3.5.

Install a rodent screen in accordance to the Replace Rodent Screen Article.

D Measurement

The department will measure Remove Grout Pad by each individual 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.0060.03	Remove Grout Pad	Each

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

15. Tighten Leveling Nut, Item SPV.0060.04.**A Description**

This special provision describes tightening loose leveling nuts as shown on the plans, and as hereinafter provided.

B (Vacant)**C Construction**

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

D Measurement

The department will measure Tighten Leveling Nut as each individual leveling nut, 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	Tighten Leveling Nut	Each

Payment is full compensation for tightening loose leveling nuts.

16. Tension Anchor Rod, Item SPV.0060.05.**A Description**

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

B Materials

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

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard spec 641 and as shown in the plans. This work will consist of tensioning all loose anchor rod nuts as specified in the plans. Nuts deteriorated to the extent that they cannot be properly tensioned will be replaced and considered incidental to this item.

D Measurement

The department will measure Tension Anchor Rod 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.0060.05	Tension Anchor Rod	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.

17. Replace Breakaway Box Cover, Item SPV.0060.06.**A Description**

This special provision describes replacing the breakaway box cover as shown on the plans and hereinafter.

B Materials

Furnish materials that are in accordance to the pertinent provisions of standard spec 657 and as shown in the plans.

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard spec 657 and as shown in the plans. Replace missing breakaway box bolts, replace corroded non-functioning breakaway box cover bolts, and tighten breakaway box cover bolts to securely fasten breakaway box cover to the breakaway box. Drill and tap bolt holes as required.

D Measurement

The department will measure Replace Breakaway Box Cover as each individual breakaway box 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.0060.06	Replace Breakaway Box Cover	Each

Payment is full compensation for replacing breakaway box cover; for breakaway 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, and transporting.

18. Tension Breakaway Plate Connection Bolt, Item SPV.0060.07.

A Description

This special provision describes replacing or tightening breakaway plate connection bolts as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are in accordance to the pertinent provisions of standard spec 657 and as shown in the plans.

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard spec 657 and as shown in the plans. Replace missing breakaway plate connection bolts, replace corroded non-functioning breakaway plate connection bolts, and tighten breakaway plate connection bolts to securely fasten breakaway plate cover to the breakaway box. Drill and tap bolt holes as required.

D Measurement

The department will measure Tension Breakaway Plate Connection Bolt as each individual breakaway plate 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.0060.07	Tension Breakaway Plate Connection Bolt	Each

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

19. Tighten Handhole Cover Bolt, Item SPV.0060.08.

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 in accordance to the pertinent provisions of standard specs 641 and 506s and as shown in the plans.

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard specs 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 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.0060.08	Tighten 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; and for fabricating, handling, transporting, and erecting.

20. Replace Handhole Cover, Item SPV.0060.09.**A Description**

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

B Materials

Furnish materials that are in accordance to the pertinent provisions of standard specs 641 and 506s and as shown in the plans.

C Construction

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

D Measurement

The department will measure Replace 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.0060.09	Replace 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; and for fabricating, handling, transporting, and erecting.

21. Replace Sign Bridge ID Plaque, Item SPV.0060.10.

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 in accordance to SDD Structure Identification Plaques, Sign Bridges and Overhead Sign Support.

C Construction

Install the sign bridge ID plaque in accordance to SDD Structure Identification Plaques, Sign Bridges and Overhead Sign Support.

D Measurement

The department will measure Replace Sign Bridge ID 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.0060.10	Replace Sign Bridge ID Plaque	Each

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

22. Replace Conduit Plug, Item SPV.0060.11.

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 in accordance to standard spec 652 and as shown in the plans.

C Construction

Use construction methods that are in accordance 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.0060.11	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.

23. Replace Post Cap, Item SPV.0060.12.

A Description

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

B Materials

Furnish materials that are in accordance to the pertinent provisions of standard specs 641 and 506 and as shown in the plans. Contractor to field verify size of post caps to be replaced.

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard specs 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 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.0060.12	Replace Post Cap	Each

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

24. Replace End Cap, Item SPV.0060.13.

A Description

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

B Materials

Furnish materials that are in accordance to the pertinent provisions of standard specs 641 and 506 and as shown in the plans. Contractor to field verify size of end caps to be replaced.

C Construction

Use construction methods that are in accordance 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 Replace End Cap as each individual end 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.0060.13	Replace End Cap	Each

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

25. Tension Post to Truss Connection Bolt, Item SPV.0060.14.

A Description

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

B Materials

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

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard spec 641 and as shown in the plans. Deteriorated bolts which cannot be properly tensioned will be replaced and considered incidental to this item.

D Measurement

The department will measure Tension 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.0060.14	Tension 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; and for fabricating, handling, transporting, and erecting.

26. Replace Post to Truss Connection Bolt, Item SPV.0060.15.**A Description**

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

B Materials

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

C Construction

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

D Measurement

The department will measure Replace 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.0060.15	Replace Post to Truss Connection Bolt	Each

Payment is full compensation for replacing 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; and for fabricating, handling, transporting, and erecting.

27. Tighten U-Bolt, Item SPV.0060.16.

A Description

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

B (Vacant)

C Construction

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

D Measurement

The department will measure Tighten 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.0060.16	Tighten U-Bolt	Each

Payment is full compensation for tightening loose U-bolts.

28. Tension Splice Bolt, Item SPV.0060.17.

A Description

This special provision describes tensioning (tightening) loose connection bolts as shown on the plans, and as hereinafter provided.

B (Vacant)

C Construction

Use construction methods that are in accordance to standard spec 641.

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

D Measurement

The department will measure Tension Splice Bolt as each individual splice 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.0060.17	Tension Splice Bolt	Each

Payment is full compensation for tensioning (tightening) loose splice bolts; and for furnishing all materials and miscellaneous items to complete the work.

29. Splice Connection Bolt Replacement, Item SPV.0060.18.

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 in accordance to the pertinent provisions of standard specs 641 and as shown on the state standard detail drawings.

C Construction

Use construction methods that are in accordance to standard spec 641. Replace all splice bolts that have lock washers. Do not install lock washers on new splice bolts.

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

D Measurement

The department will measure Splice Connection Bolt Replacement at each individual splice 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.0060.18	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.

30. Type I Sign I Beam Replacement, Item SPV.0060.19.

A Description

This special provision describes replacing Type I sign I beams as shown in the plans, and as hereinafter provided.

B Materials

Furnish aluminum I-beams that are in accordance to Sign Plate A4-7.

Furnish sign panel connectors that are in accordance to the Replace Sign Panel Connector Article.

Furnish stainless steel u-bolts that are in accordance to Sign Plate A4-7.

C Construction

Field verify the depth of the existing aluminum I-beams and provide the same depth aluminum I-beams as the existing ones. If the existing aluminum I-beams are less than 5-inches in depth, contact the engineer prior to proceeding with any further work.

Remove and dispose of existing aluminum I beams as shown in the plans in accordance to standard spec 204.

Install the aluminum I beams, stainless steel u-bolts and sign panel connectors as shown in the plans.

D Measurement

The department will measure Type I Sign I Beam Replacement as each individual Type I sign 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.0060.19	Type I Sign I Beam Replacement	Each

Payment is full compensation for field verifying existing aluminum I beam sizes; for furnishing and installing aluminum I beams, including the sign panel connectors and stainless steel u-bolts; for removing and disposing of existing aluminum I beams.

31. Install/Replace U-bolt, Item SPV.0060.20.**A Description**

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

B Materials

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

C Construction

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

D Measurement

The department will measure Install/Replace 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.0060.20	Install/Replace U-bolt	Each

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

32. Secure U-Bolt Spacer, Item SPV.0060.21.

A Description

This special provision describes securing or replacing U-bolt spacer as shown on the plans, and as hereinafter provided.

B Materials (Vacant)

C Construction

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

D Measurement

The department will measure Secure U-Bolt Spacer 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.0060.21	Secure U-Bolt Spacer	Each

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

33. Replace Sign Panel Connector, Item SPV.0060.22.

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 in accordance 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.

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.0060.22	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.

34. Replace VMS Connection Bolt, Item SPV.0060.23.

A Description

This special provision describes furnishing and replacing VMS connection bolts and removing and replacing existing defective or damaged VMS connection bolts as shown in the plans, and as hereinafter provided.

B Materials

Provide VMS connection bolts meeting the requirements of standard specs 641 and 670.

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard specs 641 and 670. Field verify existing bolt sizes and diameters and replace in-kind.

Remove and properly dispose of defective or damaged existing VMS connection bolts.

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

D Measurement

The department will measure Replace VMS Connection Bolt as each individual VMS 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.0060.23	Replace VMS Connection Bolt	Each

Payment is full compensation for replacing VMS connection bolts; for furnishing all materials and miscellaneous items to complete the work.

35. Install Flange Channel Support, Item SPV.0060.24.

A Description

This special provision describes furnishing, replacing, or adjusting existing flange channel supports and removing and replacing existing defective or damaged flange channel supports as shown in the plans, and as hereinafter provided.

B Materials

Furnish material that is in accordance to the pertinent requirements of standard specs 637 and 641 and as shown in the plans. Provide all materials required to replace the flange channel support.

C Construction

Provide flange channel supports meeting the requirements of meeting the requirements of standard specs 641 and 670 and Sign Plate A4-6. Flange channel supports must be grade 60 galvanized steel.

D Measurement

The department will measure Install Flange Channel Support as each individual replaced flange channel support. The department will make no additional compensation for adjusting the locations of existing flange channels to achieve the required spacing per the Sign Plate Manual.

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	Install Flange Channel Support	Each

Payment is full compensation for field verifying required flange channel support sizes; for furnishing and installing flange channel supports, including the sign panel connectors and disposing of existing defective flange channel supports and existing defective sign panel connectors. The department will make no additional compensation for adjusting the location of an existing flange channel to achieve the required spacing of an additional flange channel supports or any additional sign panel connectors associated with the relocation of an existing flange channel support.

36. Replace Signal Mount Socket Connection, Item SPV.0060.25.

A Description

This special provision describes replacing the signal mount socket connection as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are in accordance to the pertinent provisions of standard spec 658 and as shown in the plans. All bolts, nuts, washers or miscellaneous items required to replace the cracked or deteriorated signal connection clamp will be considered incidental to this item.

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard spec 658 and as shown in the plans. Provide all materials required to replace the signal connection clamp.

D Measurement

The department will measure Replace Signal Mount Socket Connection as each individual replaced 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.0060.25	Replace Signal Mount Socket Connection	Each

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

37. Tighten Signal Mount 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 in accordance to standard spec 658.

D Measurement

The department will measure Tighten Signal Mount 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 Connection	Each

Payment is full compensation for tightening signal mount socket connections.

38. Replace Dished Washer, Item SPV.0060.27.

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 in accordance to standard spec 658.

C Construction

Use construction methods that are in accordance 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.

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.0060.27	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.

39. Replace Sign Mount Connection Bolt, Item SPV.0060.28.

A Description

This special provision describes replacing missing sign mount connection bolts as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are in accordance to SDD Structure Identification Plaques, Sign Bridges and Overhead Sign Support.

C Construction

Install and secure the connection bolt(s) as shown on the plans.

D Measurement

The department will measure Replace Sign Mount 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.0060.28	Replace Sign Mount Connection Bolt	Each

Payment is full compensation for providing, installing and securing the connection bolt.

40. Replace Sign Connection Clamp, Item SPV.0060.29.**A Description**

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

B Materials

Furnish connection materials for overhead-mounted signs that are in accordance to the 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 in accordance to standard specs 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 clamp will be considered incidental to this item.

D Measurement

The department will measure Replace Sign Connection Clamp as each individual sign connection clamp, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.29	Replace Sign Connection Clamp	Each

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

41. Install Overhead Sign Mounting System, Item SPV.0060.30.

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 in accordance 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 in accordance 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.

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.0060.30	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; installing the new mounting system; and for reinstalling the sign panel on the structure.

42. Replace Luminaire Lens, Item SPV.0060.31.

A Description

This special provision describes replacing missing or defective luminaire lens as shown on the plans, and as hereinafter provided.

B Materials

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

C Construction

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

Field verify the size and type of luminaire lens and provide a new luminaire lens of the same size and type. Provide and install new connection hardware for the luminaire lens.

Remove and properly dispose of the existing luminaire lens and connection hardware.

D Measurement

The department will measure Replace Luminaire Lens as each individual luminaire lens, 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 Luminaire Lens	Each

Payment is full compensation for field verifying existing conditions; for removing and properly disposing of the existing luminaire lens and connection hardware; and for furnishing and installing the new luminaire lens and connection hardware.

43. Secure Luminaire Cover, Item SPV.0060.32.

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 in accordance to standard spec 659 and as shown in the plans.

C Construction

Use construction methods that are in accordance to the 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.0060.32	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 tapping holes.

44. Replace Conduit Clamp, Item SPV.0060.33.

A Description

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

B Materials

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

C Construction

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

Field verify the size of conduit clamp required and install as shown on the plans.

D Measurement

The department will measure Replace Conduit Clamp by each individual 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.0060.33	Replace Conduit Clamp	Each

Payment is full compensation for field verifying existing conditions; and for furnishing and installing the new conduit clamp.

45. Remove Luminaire and L-Bracket, Item SPV.0060.34.

A Description

This special provision describes removing an existing luminaire and L-brackets. It also describes the packaging and delivering of high intensity discharge (mercury vapor, metal halide, and high-pressure sodium) lamps removed under this contract to the department for disposal as hazardous materials.

B Materials

Lamps turned in to the department will be considered the property of the department for proper future disposal, and the contractor will have no further obligation for their disposal.

C Construction

Remove and dispose of all portions of the L-brackets and luminaire connections in accordance to standard spec 204.

Exercise care when removing the existing L-brackets so the existing sign structure is not damaged. Any damage to the sign structure due to the removal operations shall be repaired by the contractor at the contractor's expense.

Pack intact lamps in the packaging of the new lamps used to replace them, or packaging affording the equivalent protection. Place in full, stackable cartons with the name of the contractor written on each carton. Segregate the lamps by type and wattage. Label each carton by the type and wattage contained (do not mix) and the quantity.

Pack broken lamps into thick plastic bags and place inside sturdy cardboard boxes or the equivalent. Mark the outer packaging with the term "broken lamps". Deliver all broken lamps to the department.

The department will not accept lamps improperly packaged or packed in metal containers. The department will reject any lamps not removed as part of a contract pay item or otherwise required under this contract.

Pile cartons no more than two high if palletized and secure them to prevent shifting or falling of the loads.

Deliver the lamps to the department at the South 60th Street office in West Allis. Consolidate all deliveries into a truckload or more, except when all the lamps removed under a contract measure less than a truckload, deliver as one load at one time. Contact Michael Prebish at (414) 266-1170, Tuesday through Friday from 8:00 AM to 4:00 PM to set up an appointment for delivery.

D Measurement

The department will measure Remove Luminaire and L-Bracket as each individual unit delivered to the department properly packaged and acceptably completed. The department will not measure broken lamps that exceed a total of ten percent of all lamps to be delivered.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.34	Remove Luminaire and L-Bracket	Each

Payment is full compensation for removing and disposing of the luminaire and L-Brackets; for repairing damage to the existing sign truss.

46. Replace Luminaire Support Channel Bolt, Item SPV.0060.35.

A Description

This special provision describes replacing luminaire support channel bolts as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials that are in accordance to the pertinent provisions of standard specs 641 and 659 and as shown in the plans.

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard specs 641 and 659 and as shown in the plans.

D Measurement

The department will measure Replace Luminaire Support Channel Bolt as each individual luminaire support channel 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.0060.35	Replace Luminaire Support Channel Bolt	Each

Payment is full compensation for replacing luminaire support channel 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.

47. Secure Electrical Wiring, Item SPV.0060.36.

A Description

This special provision describes securing existing electrical wiring as shown on the plans and as hereinafter provided.

B Materials

Furnish materials that are in accordance to the pertinent provisions of standard specs 651, 652, and 655 and as shown in the plans.

C Construction

Secure any electrical wiring that is not secured to the current structure with construction methods that are in accordance to the pertinent provisions of standard specs 651, 652 and 655 and as shown in the plans.

D Measurement

The department will measure Secure Electrical Wiring as each electrical wiring, 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	Secure Electrical Wiring	Each

Payment is full compensation for securing electrical wiring; for removing and properly disposing of existing materials being replaced; for furnishing all materials and miscellaneous item to securely fasten the electrical wiring; and for fabricating handling, transporting, and fastening.

48. Replace Safety Chain, Item SPV.0060.37.**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 in accordance 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.0060.37	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.

49. Replace Handrail Hinge Pin, Item SPV.0060.38.

A Description

This special provision describes replacing handrail hinge pins as shown on the plans, and as hereinafter provided.

B Materials

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

C Construction

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

Field verify the size of the existing handrail hinge pin diameter and provide a new handrail hinge pin with the same diameter. Provide a new handrail hinge pin with sufficient length for the existing railing to operate correctly.

Remove and properly dispose of the existing handrail hinge pin being replaced.

D Measurement

The department will measure Replace Handrail Hinge 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.0060.38	Replace Handrail Hinge Pin	Each

Payment is full compensation for field verifying existing conditions; for removing and properly disposing of the existing handrail hinge pin; and for furnishing and installing the new handrail hinge pin.

50. Replace Walkway Connection Clip, Item SPV.0060.39.

A Description

This special provision describes replacing walkway connections as shown on the plans, and as hereinafter provided. This work includes providing all new bolts, nuts, and washers.

B Materials

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

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard spec 641 and as shown in the plans. Provide all new bolts, nuts, and washers.

D Measurement

The department will measure Replace Walkway Connection Clip as each individual safety 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.0060.39	Replace Walkway Connection Clip	Each

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

51. Replace Catwalk Toeboard, Item SPV.0090.01.**A Description**

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

B Materials

Furnish materials that are in accordance to SDD Sign Bridges and Overhead Sign Support, in accordance to the pertinent provisions of standard specs 641 and as shown in the plans

C Construction

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

D Measurement

The department will measure Replace Catwalk Toeboard 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	Replace Catwalk Toeboard	LF

Payment is full compensation for installing toeboard; 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.

52. Replace Catwalk Grating, Item SPV.0090.02.

A Description

This special provision describes replacing catwalk grating 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 supports and existing catwalk. Provide new catwalk grating that matches the existing and will provide a smooth level transition from the new catwalk grating to the existing catwalk grating. Provide and install new connection hardware for the catwalk grating and splice the new catwalk grating to the existing catwalk grating at abutting joints.

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

D Measurement

The department will measure Replace Catwalk Grating in length by the linear foot, 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.0090.02	Replace Catwalk Grating	LF

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

53. Remove Catwalk and L-Brackets, Item SPV.0105.01.

A Description

This special provision describes removing an existing catwalk and L-Brackets as shown on the plans, and as hereinafter provided.

B (Vacant)

C Construction

Remove and dispose of all portions of the existing catwalk, L-Brackets, and catwalk connections in accordance to standard spec 204.

Exercise care when removing the existing catwalk so the existing sign structure truss is not damaged. Any damage to the sign truss due to the removal operations shall be repaired by the contractor at the contractor's expense.

D Measurement

The department will measure Remove Catwalk and L-Brackets as a single complete lump sum unit of work, completed in accordance 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.0105.01	Remove Catwalk and L-Brackets	LS

Payment is full compensation for removing and disposing of the catwalk and L-Brackets; for repairing damage to the existing sign truss.

54. Repair Galvanization, Item SPV.0165.01.

A Description

This special provision describes grinding to completely remove the cracked or damages galvanized coating and repairing the galvanization.

B Materials

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

C Construction

Use construction methods that are in accordance to the pertinent provisions of standard specs 641 and 506 and as shown in 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:

Removal of the galvanized material by grinding to remove the entire damaged or deteriorated galvanizing and ensuing corrosion.

Repair of galvanized coating.

Where removals occur below the surface, by grinding or cutting, the surface will be fared at a minimum of 10:1 slope. The maximum depth gouge that will be fared is 1/16-inch.

All ground finishes will be parallel to the primary stress. Welding will not be permitted unless specifically approved by the engineer.

Galvanizing will be repaired with a compatible cold galvanizing material. Three coats of the cold galvanizing will be used on each repair area. The cold galvanizing will be dry prior to placing the next coat.

D Measurement

The department will measure Repair Galvanization by the square 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.0165.01	Repair Galvanization	SF

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

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 2014 edition of the standard specifications:

101.3 Definitions

Replace the definition of semi-final estimate with the following effective with the December 2013 letting:

Semi-final estimate An estimate indicating the engineer has measured and reported all contract quantities and materials requirements.

105.11.1 Partial Acceptance

Replace paragraph two with the following effective with the December 2013 letting:

- (2) Partial acceptance will relieve the contractor of maintenance responsibility for the designated portion of the work. By relieving the contractor of maintenance, the department does not relieve the contractor of responsibility for defective work or damages caused by the contractor's operations. Do not construe partial acceptance to be conditional final acceptance or final acceptance of any part of the project, or a waiver of any legal rights specified under 107.16.
-

105.11.2 Final Acceptance

Retitle and replace the entire text with the following effective with the December 2013 letting:

105.11.2 Project Acceptance**105.11.2.1 Inspection****105.11.2.1.1 General**

- (1) Notify the engineer when the project is substantially complete as defined in 105.11.2.1.3. As soon as it is practical, the engineer will inspect the work and categorize it as one of the following:
 1. Unacceptable or not complete.
 2. Substantially complete.
 3. Complete.

105.11.2.1.2 Unacceptable or Not Complete

- (1) The engineer will identify, in writing, work that is unacceptable or not complete. Immediately correct or complete that work. The engineer will assess contract time until the work is corrected or completed.
- (2) Proceed as specified in 105.11.2.1.1 until the engineer determines that the work is complete.

105.11.2.1.3 Substantially Complete

- (1) The project is substantially complete and the engineer will no longer assess contract time if the contractor has completed all contract bid items and change order work, except for the punch-list. As applicable, the following must have occurred:
 1. All lanes of traffic are open on a finished surface.
 2. All signage and traffic control devices are in place and operating.
 3. All drainage, erosion control, excavation, and embankments are completed.
 4. All safety appurtenances are completed.
- (2) The engineer will provide a written punch-list enumerating work the contractor must perform and documents the contractor must submit before the the engineer will categorize the work as complete.
 1. Punch-list work includes uncompleted cleanup work required under 104.9 and minor corrective work. Immediately correct or complete the punch-list work. The engineer may restart contract time if the contractor does not complete the punch-list work within 5 business days after receiving the written punch-list. The engineer and contractor may mutually agree to extend this 5-day requirement.
 2. Punch-list documents include whatever contract required documentation is missing. The engineer may restart contract time if the contractor does not submit the punch-list documents within 15 business days after receiving the written punch-list. The engineer and contractor may mutually agree to extend this 15-day requirement.
- (3) Proceed as specified in 105.11.2.1.1 until the work is complete.

105.11.2.1.4 Complete

- (1) The project is complete when the contractor has completed all contract bid items, change order work, and punch-list work including the submission of all missing documentation.

105.11.2.2 Conditional Final Acceptance

- (1) When the engineer determines that the project is complete, the engineer will give the contractor written notice of conditional final acceptance relieving the contractor of maintenance responsibility for the completed work.

105.11.2.3 Final Acceptance

- (1) The engineer will grant final acceptance of the project after determining that all contract is work complete; all contract, materials, and payroll records are reviewed and approved; and the semi-final estimate quantities are final under 109.7.
- (2) Failure to discover defective work or materials before final acceptance does not prevent the department from rejecting that work or those materials later. The department may revoke final acceptance if the department discovers defective work or materials after it has accepted the work.

105.13.3 Submission of Claim

Replace paragraph one with the following effective with the December 2013 letting:

- (1) Submit the claim to the project engineer as promptly as possible following the submission of the Notice of Claim, but not later than final acceptance of the project as specified in 105.11.2.3. If the contractor does not submit the claim before final acceptance of the project, the department will deny the claim.

107.17.3 Railroad Insurance Requirements

Replace paragraph one with the following effective with the December 2013 letting:

- (1) If required by the special provisions, provide or arrange for a subcontractor to provide railroad protective liability insurance in addition to the types and limits of insurance required in 107.26. Keep railroad protective liability insurance coverage in force until completing all work, under or incidental to the contract, on the railroad right of way or premises of the railroad and until the engineer determines that the work is complete as specified in 105.11.2.1.4.

107.26 Standard Insurance Requirements

Replace paragraph one with the following effective with the December 2013 letting:

- (1) Maintain the following types and limits of commercial insurance in force until the engineer determines that the work is complete as specified in 105.11.2.1.4.

TABLE 107-1 REQUIRED INSURANCE AND MINIMUM COVERAGES

TYPE OF INSURANCE	MINIMUM LIMITS REQUIRED ^[1]
1. Commercial general liability insurance endorsed to include blanket contractual liability coverage. ^[2]	\$2 million combined single limits per occurrence with an annual aggregate limit of not less than \$4 million.
2. Workers' compensation.	Statutory limits
3. Employers' liability insurance.	Bodily injury by accident: \$100,000 each accident Bodily injury by disease: \$500,000 each accident \$100,000 each employee
4. Commercial automobile liability insurance covering all contractor-owned, non-owned, and hired vehicles used in carrying out the contract. ^[2]	\$1 million-combined single limits per occurrence.

^[1] The contractor may satisfy these requirements with primary insurance coverage or with excess/umbrella policies.

^[2] The Wisconsin Department of Transportation, its officers, agents, and employees shall be named as an additional insured under the general liability and automobile liability insurance.

108.14 Terminating the Contractor's Responsibility

Replace paragraph one with the following effective with the December 2013 letting:

- (1) The contractor's responsibilities are terminated, except as set forth in the contract bond and specified in 107.16, when the department grants final acceptance as specified in 105.11.2.3.
-

109.2 Scope of Payment

Replace paragraph two with the following effective with the December 2013 letting:

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

109.6.1 General

Replace paragraphs three and four with the following effective with the December 2013 letting:

- (3) The department's payment of an estimate before conditional final acceptance of the work does not constitute the department's acceptance of the work, and does not relieve the contractor of responsibility for:
 1. Protecting, repairing, correcting, or renewing the work.
 2. Replacing all defects in the construction or in the materials used in the construction of the work under the contract, or responsibility for damage attributable to these defects.
 - (4) The contractor is responsible for all defects or damage that the engineer may discover on or before the engineer's conditional final acceptance of the work. The engineer is the sole judge of these defects or damage, and the contractor is liable to the department for not correcting all defects or damage.
-

109.7 Acceptance and Final Payment

Replace paragraphs one and two with the following effective with the December 2013 letting:

- (1) After the engineer grants conditional final acceptance of the work as specified in 105.11.2.2 and reviews required document submittals and materials test reports, the engineer will issue the semi-final estimate.
- (2) Within 30 calendar days after receiving the semi-final estimate, submit to the engineer a written statement of agreement or disagreement with the semi-final estimate. For an acceptable statement of disagreement, submit an item-by-item list with reasons for each disagreement. If the contractor does not submit this written statement within those 30 days, the engineer will process the final estimate for payment. The engineer and the contractor can mutually agree to extend this 30-day submission requirement.

450.3.3 Maintaining the Work

Replace paragraph one with the following effective with the December 2013 letting:

- (1) Protect and repair the prepared foundation, tack coat, base, paved traffic lanes, shoulders, and seal coat. Correct all rich or bleeding areas, breaks, raveled spots, or other nonconforming areas in the paved surface.

455.3.2.5 Maintaining Tack Coat

Replace paragraph one with the following effective with the December 2013 letting:

- (1) Protect and repair the existing surface and the tack coat. Correct areas with excess or deficient tack material and any breaks, raveled spots, or other areas where bond might be affected.

460.2.2.3 Aggregate Gradation Master Range

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

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

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

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

^[1] 14.5 for E-3 mixes.

^[2] 15.5 for E-3 mixes.

460.2.7 HMA Mixture Design

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

- (1) For each HMA mixture type used under the contract, develop and submit an asphaltic mixture design according to the department's test method number 1559 as described in CMM 8-66 and conforming to the requirements of table 460-1 and table 460-2. The values listed are design limits; production values may exceed those limits. The department will review mixture designs and report the results of that review to the designer according to the department's test method number 1559.

TABLE 460-2 MIXTURE REQUIREMENTS

Mixture type	E - 0.3	E - 1	E - 3	E - 10	E - 30	E - 30x	SMA
ESALs x 10 ⁶ (20 yr design life)	< 0.3	0.3 - < 1	1 - < 3	3 - < 10	10 - < 30	>= 30	—
LA Wear (AASHTO T96)							
100 revolutions(max % loss)	13	13	13	13	13	13	13
500 revolutions(max % loss)	50	50	45	45	45	45	40
Soundness (AASHTO T104) (sodium sulfate, max % loss)	12	12	12	12	12	12	12
Freeze/Thaw (AASHTO T103) (specified counties, max % loss)	18	18	18	18	18	18	18
Fractured Faces (ASTM 5821) (one face/2 face, % by count)	60 / —	65 / —	75 / 60	85 / 80	98 / 90	100/100	100/90
Flat & Elongated (ASTM D4791) (max %, by weight)	5 (5:1 ratio)	5 (5:1 ratio)	5 (5:1 ratio)	5 (5:1 ratio)	5 (5:1 ratio)	5 (5:1 ratio)	20 (3:1ratio)
Fine Aggregate Angularity (AASHTO T304, method A, min)	40	40	43	45	45	45	45
Sand Equivalency (AASHTO T176, min)	40	40	40	45	45	50	50
Gyratory Compaction							
Gyrations for N _{ini}	6	7	7	8	8	9	8
Gyrations for N _{des}	40	60	75	100	100	125	65
Gyrations for N _{max}	60	75	115	160	160	205	160
Air Voids, %V _a (%G _{mm} N _{des})	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)
% G _{mm} N _{ini}	<= 91.5 ^[1]	<= 90.5 ^[1]	<= 89.0 ^[1]	<= 89.0	<= 89.0	<= 89.0	—
% G _{mm} N _{max}	<= 98.0	<= 98.0	<= 98.0	<= 98.0	<= 98.0	<= 98.0	—
Dust to Binder Ratio ^[2] (% passing 0.075/P _{be})	0.6 - 1.2	0.6 - 1.2	0.6 - 1.2	0.6 - 1.2	0.6 - 1.2	0.6 - 1.2	1.2 - 2.0
Voids filled with Binder (VFB or VFA, %)	68 - 80 ^{[4] [5]}	65 - 78 ^[4]	65 - 75 ^{[3] [4]}	65 - 75 ^{[3] [4]}	65 - 75 ^{[3] [4]}	65 - 75 ^{[3] [4]}	70 - 80
Tensile Strength Ratio (TSR) (ASTM 4867)							
no antistripping additive	0.70	0.70	0.70	0.70	0.70	0.70	0.70
with antistripping additive	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Draindown at Production Temperature (%)	—	—	—	—	—	—	0.30

^[1] The percent maximum density at initial compaction is only a guideline.

^[2] For a gradation that passes below the boundaries of the caution zone(ref. AASHTO MP3), the dust to binder ratio limits are 0.6 - 1.6.

^[3] For 9.5mm and 12.5 mm nominal maximum size mixtures, the specified VFB range is 70 - 76%.

^[4] For 37.5mm nominal maximum size mixes, the specified VFB lower limit is 67%.

^[5] For 25.0mm nominal maximum size mixes, the specified VFB lower limit is 67%.

460.2.8.2.1.5 Control Limits

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

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

ITEM	JMF LIMITS	WARNING LIMITS
Percent passing given sieve:		
37.5-mm	+/- 6.0	+/- 4.5
25.0-mm	+/- 6.0	+/- 4.5
19.0-mm	+/- 5.5	+/- 4.0
12.5-mm	+/- 5.5	+/- 4.0
9.5-mm	+/- 5.5	+/- 4.0
2.36-mm	+/- 5.0	+/- 4.0
75-µm	+/- 2.0	+/- 1.5
Asphaltic content in percent	- 0.3	- 0.2
Air voids in percent	+/- 1.3	+/- 1.0
VMA in percent ^[1]	- 0.5	- 0.2

^[1] VMA limits based on minimum requirement for mix design nominal maximum aggregate size in Table 460-1.

- (2) Warning bands are defined as the area between the JMF limits and the warning limits.

460.2.8.2.1.6 Job Mix Formula Adjustment

Replace the entire text with the following effective with the January 2014 letting:

- (1) The contractor may request adjustment of the JMF according to the department's test method number 1559. Have an HTCP HMA technician certified at a level appropriate for process control and troubleshooting or mix design submit a written JMF adjustment request. Ensure that the resulting JMF is within specified master gradation bands. The department will have an HMA technician certified at level III review the proposed adjustment and, if acceptable, issue a revised JMF.
- (2) The department will not allow adjustments that do the following:
- Exceed specified JMF tolerance limits.
 - Reduce the JMF asphalt content unless the production VMA running average meets or exceeds the minimum VMA design requirement defined in table 460-1 for the mixture produced.
- (3) Have an HMA technician certified at level II make related process adjustments. If mixture redesign is necessary, submit a new JMF, subject to the same specification requirements as the original JMF.

520.3.8 Protection After Laying

Delete the entire subsection.

614.2.1 General

Replace paragraphs five and six with the following effective with the December 2013 letting:

- (5) Furnish zinc coated wire rope and fitting conforming to the plans and galvanized according to ASTM A741.
- (6) Before installation store galvanized components above ground level and away from surface run off. The department may reject material if the zinc coating is physically damaged or oxidized.
- (7) Provide manufacturer's drawings, and installation and maintenance instructions when providing proprietary systems.

614.2.3 Steel Rail and Fittings

Replace paragraph one with the following effective with the December 2013 letting:

- (1) Furnish galvanized steel rail conforming to AASHTO M180 class A, type II beam using the single-spot test coating requirements. Furnish plates, anchor plates, post mounting brackets, and other structural steel components conforming to 506.2.2.1 and hot-dip galvanized according to ASTM A123.
-

614.2.7 Crash Cushions

Replace paragraph one with the following effective with the December 2013 letting:

- (1) Furnish permanent and temporary crash cushions from the department's approved products list. Use cushions as wide or wider than the plan back-width. Furnish transitions conforming to the crash cushion manufacturer's design and specifications. Submit manufacturer crash cushion and transition design details to engineer before installing.
-

616.3.1 General

Replace paragraph six with the following effective with the December 2013 letting:

- (6) Remove and dispose of all excess excavation and surplus materials from the fence site.
-

618.3.3 Restoration

Replace paragraph one with the following effective with the December 2013 letting:

- (1) Upon termination of hauling operations and before conditional final acceptance, restore all haul roads, including drainage facilities and other components, to the equivalent of pre-hauling conditions.
-

627.3.1 General

Replace paragraph four with the following effective with the December 2013 letting:

- (4) Maintain the mulched areas and repair all areas damaged by wind, erosion, traffic, fire or other causes.
-

637.3.2.1 General

Delete paragraph three effective with the December 2013 letting.

670.3.4.2 Post-Construction Work

Replace paragraph one with the following effective with the December 2013 letting:

- (1) Submit 5 copies of ITS documentation including but not limited to the following:
 - Operator's manual: for contractor furnished equipment, submit a manual containing detailed operating instructions for each different type or model of equipment and or operation performed.
 - Maintenance procedures manuals: for contractor furnished equipment, submit a manual containing detailed preventive and corrective maintenance procedures for each type or model of equipment furnished.
 - Cabinet fiber optic wiring diagram: submit a cabinet wiring diagram, identified by location for each cabinet. Include both electrical wiring and fiber optic conductor and cable connections. Place one copy of the fiber optic wiring diagram in a weatherproof holder in the cabinet. Deliver the other copies to the engineer.
 - As-built drawings: submit final as-built drawings that detail the final placement of all conduit, cabling, equipment, and geometric modifications within the contract. Provide all documentation in an electronic format adhering to the region's ITS computer aided drafting standards and according to the department's as-built requirements. The department will review the as-built drawings for content and electronic format. Modify both the content and format of as-built drawings until meeting all requirements.
 - Equipment inventory list: submit an inventory list including serial number, make, model, date installed, and location installed of all equipment installed under the contract.

Errata

Make the following corrections to the 2014 edition of the standard specifications:

415.3.14 Protecting Concrete

Correct errata by referencing the opening to service specification.

- (1) Erect and maintain suitable barricades and, if necessary, provide personnel to keep traffic off the newly constructed pavement until it is opened for service as specified in 415.3.15. Conform to 104.6 for methods of handling and facilitating traffic.
-

501.2.9 Concrete Curing Materials

Correct errata by changing AASHTO M171 to ASTM C171.

- (2) Furnish sheeting conforming to ASTM C171 for white opaque polyethylene film, except that the contractor may use clear or black polyethylene for cold weather protection.
-

607.2 Materials

Correct errata by changing AASHTO M198 to ASTM C990.

- (1) Use materials conforming to the requirements for the class of material named and specified below.
- | | |
|--|------------|
| Composite pipe, couplings, fittings and joint materials | ASTM D2680 |
| Annular rubber and plastic gaskets for flexible, watertight joints | ASTM C990 |
| External rubber gaskets, mastic, and protective film..... | ASTM C877 |
| Mortar | 519.2.3 |
-

637.2.1.3 Sheet Aluminum

Correct errata by changing ASTM B449 to B921 and eliminating the specification for coating thickness.

- (4) Degrease, etch, and coat the sign blank on both sides with a chromate treatment conforming to ASTM B921, class 2.
-

637.3.3.4 Performance

Correct errata to reference to 105.11.2.3 as revised to implement changes to the finals process.

- (1) Under 105.11.2.3 the department may revoke acceptance and direct the contractor to repair or replace previously accepted sign installations if the department subsequently discovers evidence of defective materials or improper installation. Deficiencies that warrant department action include but are not limited to the following:
- Sign posts more than five degrees out of plumb.
 - Signs twisted by more than 5 degrees from plan orientation.
 - Signs with delaminated or warped plywood.
 - Signs with bubbling, fading, delaminating, or buckling sheeting.
-

646.3.3.4 Proving Period

Correct errata to reference to 105.11.2.3 as revised to implement changes to the finals process.

- (4) Replace all marking within sections with a percent failing more than 10% and repair or replace all markings that, in the engineer's assessment, show evidence of improper construction. If post-acceptance inspections uncover evidence of defective materials or improper construction, the department may revoke acceptance under 105.11.2.3.

ADDITIONAL SPECIAL PROVISION 7

- A. Reporting 1st Tier and DBE Payments During Construction
1. Comply with reporting requirements specified in the department's Civil Rights Compliance, Contractor's User Manual, Sublets and Payments.
 2. Report payments to all DBE firms within 10 calendar days of receipt of a progress payment by the department or a contractor for work performed, materials furnished, or materials stockpiled by a DBE firm. Report the payment as specified in A(1) for all work satisfactorily performed and for all materials furnished or stockpiled.
 3. Report payments to all first tier subcontractor relationships within 10 calendar days of receipt of a progress payment by the department for work performed. Report the payment as specified in A(1) for all work satisfactorily performed.
 4. All tiers shall report payments as necessary to comply with the DBE payment requirement as specified in A(2).
 5. 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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm>

(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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/crc-basic-info.pdf>

DECEMBER 2013

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

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://roadwaystandards.dot.wi.gov/standards/forms/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 September 1, 2013

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	35.58	19.20	54.78
Carpenter	32.93	19.81	52.74
Future Increase(s): Add \$.75/hr on 6/3/2013. Add \$1.25/hr on 6/2/2014.			
Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Cement Finisher	30.69	17.53	48.22
Future Increase(s): Add \$1.87 on 6/1/13; Add \$1.87 on 6/1/14; 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	31.54	21.14	52.68
Fence Erector	28.00	4.50	32.50
Ironworker	31.31	21.99	53.30
Line Constructor (Electrical)	31.29	15.34	46.63
Painter	29.22	16.69	45.91
Pavement Marking Operator	29.22	16.69	45.91
Piledriver	29.56	23.86	53.42
Roofer or Waterproofer	29.40	15.05	44.45
Teledata Technician or Installer	24.65	15.67	40.32
Tuckpointer, Caulker or Cleaner	34.35	11.13	45.48
Underwater Diver (Except on Great Lakes)	37.45	19.45	56.90
Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	29.64	17.06	46.70
Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.64	45.24
Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day,			

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.94	13.57	39.51
Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.08	12.96	37.04
Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	11.90	33.65

TRUCK DRIVERS

Single Axle or Two Axle	33.22	18.90	52.12
Three or More Axle	23.31	17.13	40.44
Future Increase(s): Add \$1.85/hr on 6/1/2013.			
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	27.77	19.90	47.67
Future Increase(s): Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.			
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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .			
Pavement Marking Vehicle	23.84	14.90	38.74
Shadow or Pilot Vehicle	33.22	18.90	52.12
Truck Mechanic	22.50	16.19	38.69

LABORERS

General Laborer	25.39	18.40	43.79
Future Increase(s): Add \$1.70/hr on 6/1/2013; Add \$1.60/hr on 6/1/2014.			
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	18.00	0.00	18.00
Landscaper	25.39	18.40	43.79
Future Increase(s): Add \$1.70/hr on 6/1/13; Add \$1.60/hr on 6/1/14.			
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	21.88	18.40	40.28
Future Increase(s): Add \$1.70/hr on 6/1/2013; Add \$1.60/hr on 6/1/2014.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	\$	\$	\$
Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.24	15.03	32.27
Railroad Track Laborer	14.50	3.53	18.03

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).	35.22	19.90	55.12
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Future Increase(s): Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.

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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm>.

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.	34.72	19.90	54.62
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Future Increase(s): Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.

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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm>.

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);	34.22	19.90	54.12
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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 \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. 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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .			
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 \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. 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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	33.96	19.90	53.86
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 \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. 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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	33.67	19.90	53.57
Fiber Optic Cable Equipment.	20.00	7.88	27.88
Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	37.45	19.45	56.90
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.	37.45	19.45	56.90
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.	27.75	19.15	46.90
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.	27.75	19.15	46.90

SCHEDULE OF ITEMS

CONTRACT:
20140408008PROJECT(S):
1000-20-60FEDERAL ID(S):
N/A

CONTRACTOR : _____

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

SECTION 0001 ROADWAY

0010	619.1000 MOBILIZATION	1.000				
	EACH		.		.	
0020	637.1220 SIGNS TYPE I REFLECTIVE SH	39.000				
	SF		.		.	
0030	637.2210 SIGNS TYPE II REFLECTIVE H	48.750				
	SF		.		.	
0040	638.2101 MOVING SIGNS TYPE I	1.000				
	EACH		.		.	
0050	643.0100 TRAFFIC CONTROL (PROJECT) 01. 1000-20-60	1.000				
	EACH		.		.	
0060	SPV.0025 SPECIAL 01. REPAIR FOUNDATION	3.000				
	CF		.		.	
0070	SPV.0060 SPECIAL 01. FILL EROSION	4.000				
	EACH		.		.	
0080	SPV.0060 SPECIAL 02. REMOVE FILL AND REGRADE	2.000				
	EACH		.		.	
0090	SPV.0060 SPECIAL 03. REMOVE GROUT PAD	2.000				
	EACH		.		.	
0100	SPV.0060 SPECIAL 04. TIGHTEN LEVELING NUT	2.000				
	EACH		.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20140408008PROJECT(S):
1000-20-60FEDERAL 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 05. TENSION ANCHOR ROD	32.000 EACH	.		.	
0120	SPV.0060 SPECIAL 06. REPLACE BREAKAWAY BOX COVER	1.000 EACH	.		.	
0130	SPV.0060 SPECIAL 07. TENSION BREAKAWAY PLATE CONNECTION BOLT	4.000 EACH	.		.	
0140	SPV.0060 SPECIAL 08. TIGHTEN HANDHOLE COVER BOLT	4.000 EACH	.		.	
0150	SPV.0060 SPECIAL 09. REPLACE HANDHOLE COVER	4.000 EACH	.		.	
0160	SPV.0060 SPECIAL 10. REPLACE SIGN BRIDE ID PLAQUE	11.000 EACH	.		.	
0170	SPV.0060 SPECIAL 11. REPLACE CONDUIT PLUG	5.000 EACH	.		.	
0180	SPV.0060 SPECIAL 12. REPLACE POST CAP	4.000 EACH	.		.	
0190	SPV.0060 SPECIAL 13. REPLACE END CAP	2.000 EACH	.		.	
0200	SPV.0060 SPECIAL 14. TENSION POST TO TRUSS CONNECTION BOLT	8.000 EACH	.		.	
0210	SPV.0060 SPECIAL 15. REPLACE POST TO TRUSS CONNECTION BOLT	3.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20140408008PROJECT(S):
1000-20-60FEDERAL 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 16. TIGHTEN U-BOLT	5.000 EACH	.		.	
0230	SPV.0060 SPECIAL 17. TENSION SPLICE BOLT	26.000 EACH	.		.	
0240	SPV.0060 SPECIAL 18. SPLICE CONNECTION BOLT REPLACEMENT	55.000 EACH	.		.	
0250	SPV.0060 SPECIAL 19. TYPE I SIGN I-BEAM REPLACEMENT	18.000 EACH	.		.	
0260	SPV.0060 SPECIAL 20. INSTALL/REPLACE U-BOLT	28.000 EACH	.		.	
0270	SPV.0060 SPECIAL 21. SECURE U-BOLT SPACER	1.000 EACH	.		.	
0280	SPV.0060 SPECIAL 22. REPLACE SIGN PANEL CONNECTOR	628.000 EACH	.		.	
0290	SPV.0060 SPECIAL 23. REPLACE VMS CONNECTION BOLT	5.000 EACH	.		.	
0300	SPV.0060 SPECIAL 24. INSTALL FLANGE CHANNEL SUPPORT	1.000 EACH	.		.	
0310	SPV.0060 SPECIAL 25. REPLACE SIGNAL MOUNT SOCKET CONNECTION	1.000 EACH	.		.	
0320	SPV.0060 SPECIAL 26. TIGHTEN SIGNAL MOUNT CONNECTION	1.000 EACH	.		.	

SCHEDULE OF ITEMS

CONTRACT:
20140408008PROJECT(S):
1000-20-60FEDERAL 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 27. REPLACE DISHED WASHER	3.000 EACH	.		.	
0340	SPV.0060 SPECIAL 28. REPLACE SIGN MOUNT CONNECTION BOLT	1.000 EACH	.		.	
0350	SPV.0060 SPECIAL 29. REPLACE SIGN CONNECTION CLAMP	3.000 EACH	.		.	
0360	SPV.0060 SPECIAL 30. INSTALL OVERHEAD SIGN MOUNTING SYSTEM	19.000 EACH	.		.	
0370	SPV.0060 SPECIAL 31. REPLACE LUMINAIRE LENS	1.000 EACH	.		.	
0380	SPV.0060 SPECIAL 32. SECURE LUMINAIRE COVER	21.000 EACH	.		.	
0390	SPV.0060 SPECIAL 33. REPLACE CONDUIT CLAMP	2.000 EACH	.		.	
0400	SPV.0060 SPECIAL 34. REMOVE LUMINAIRE AND L-BRACKET	1.000 EACH	.		.	
0410	SPV.0060 SPECIAL 35. REPLACE LUMINAIRE SUPPORT CHANNEL BOLT	1.000 EACH	.		.	
0420	SPV.0060 SPECIAL 36. SECURE ELECTRICAL WIRING	1.000 EACH	.		.	
0430	SPV.0060 SPECIAL 37. REPLACE SAFETY CHAIN	5.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20140408008PROJECT(S):
1000-20-60FEDERAL 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 38. REPLACE HANDRAIL HINGE PIN	1.000 EACH	.		.	
0450	SPV.0060 SPECIAL 39. REPLACE WALKWAY CONNECTION CLIP	2.000 EACH	.		.	
0460	SPV.0090 SPECIAL 01. REPLACE CATWALK TOEBOARD	10.000 LF	.		.	
0470	SPV.0090 SPECIAL 02. REPLACE CATWALK GRATING	10.000 LF	.		.	
0480	SPV.0105 SPECIAL 01. REMOVE CATWALK AND L-BRACKETS	LUMP	LUMP		.	
0490	SPV.0165 SPECIAL 01. REPAIR GALVANIZATION	2.000 SF	.		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	

PLEASE ATTACH SCHEDULE OF ITEMS HERE