

HIGHWAY WORK PROPOSALWisconsin Department of Transportation
DT1502 10/2010 s.66.29(7) Wis. Stats.

Proposal Number:

Ø 2

COUNTY	STATE PROJECT ID	FEDERAL PROJECT ID	PROJECT DESCRIPTION	HIGHWAY
Waukesha	1060-44-70	WISC 2015 484	East West Freeway CTH P to CTH F	IH 94

ADDENDUM REQUIRED ATTACHED AT BACK

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

Proposal Guaranty Required, \$ 100,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Due Date: September 15, 2015 Time (Local Time): 9:00 AM	Firm Name, Address, City, State, Zip Code
Contract Completion Time September 26, 2016	SAMPLE NOT FOR BIDDING PURPOSES
Assigned Disadvantaged Business Enterprise Goal 10%	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 Repair 14 bridges (B-67-0014, B-67-0140, B-67-0234, B-67-0235, B-67-0060, B-67-0061, B-67-0062, B-67-0063, B-67-0065, B-67-0066, B-67-0067, B-67-0068, B-67-0222, B-67-0069) , replace approach slabs, add erosion protection, repair guardrail, install ramp gates, paint 4 bridges (B-67-0014, B-67-0234, B-67-0235, B-67-0140).	Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

Effective with August 2015 Letting

BID PREPARATION

Preparing the Proposal Schedule of Items

A General

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

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

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

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

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

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

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

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

B Submitting Electronic Bids

B.1 On the Internet

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

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

- (1) Download the latest schedule of items from the Wisconsin pages of the Bid ExpressTM web site reflecting the latest addenda posted on the department's web site at:
<http://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

Use ExpediteTM software to prepare and print the schedule of items. Provide a valid amount for all price fields. Follow instructions and review the help screens provided on the Bid ExpressTM web site to assure that the schedule of items is prepared properly.

- (2) Staple an 8 1/2 by 11 inch printout of the ExpediteTM generated schedule of items to the other proposal documents submitted to the department as a part of the bidder's sealed bid. As a separate submittal not in the sealed bid envelop but due at the same time and place as the sealed bid, also provide the ExpediteTM generated schedule of items on a 3 1/2 inch computer diskette or CD ROM. Label each diskette or CD ROM with the bidder's name, the 4 character department-assigned bidder identification code from the top of the bidding proposal, and a list of the proposal numbers included on that diskette or CD ROM as indicated in the following example:

Bidder

Name

BN00

Proposals: 1, 12, 14, & 22

- (3) If bidding on more than one proposal in the letting, the bidder may include all proposals for that letting on one diskette or CD ROM. Include only submitted proposals with no incomplete or other files on the diskette or CD ROM.
- (4) The bidder-submitted printout of the ExpediteTM generated schedule of items is the governing contract document and must conform to the requirements of section 102 of the standard specifications. If a printout needs to be altered, cross out the printed information with ink or typewriter and enter the new information and initial it in ink. If there is a discrepancy between the printout and the diskette or CD ROM, the department will analyze the bid using the printout information.

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

C Waiver of Electronic Submittal

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

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

(Signature of Attorney-in-Fact)

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

March 2010

LIST OF SUBCONTRACTORS

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

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

[illegible]

DECEMBER 2000

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

Instructions for Certification

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

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

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

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

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

Special Provisions

Table of Contents

Article	Description	Page #
1.	General.....	4
2.	Scope of Work.	4
3.	Prosecution and Progress.	4
4.	Lane Rental Assessment.	9
5.	Traffic.	11
6.	Holiday Work Restrictions.	15
7.	Utilities.....	15
8.	Other Contracts.	17
9.	Hauling Restrictions.....	17
10.	Environmental Protection, Aquatic Exotic Species Control.....	17
11.	Archaeologically Significant Sites.....	18
12.	Erosion Control.....	19
13.	Information to Bidders, U.S. Army Corps of Engineers Section 404 Permit.....	20
14.	Notice to Contractor, Asbestos Containing Materials on Structure.....	21
15.	Notice to Contractor, Notification of Demolition and/or Renovation No Asbestos Found.	21
16.	Contractor Notification.....	24
17.	Information to Bidders, Use of Recovered Material.....	25
18.	Maintaining Drainage.	25
19.	Construction Over or Adjacent to Navigable Waters.	26
20.	CPM Progress Schedule.....	26
21.	Clearing and Grubbing, Emerald Ash Borer.....	26
22.	Debris Containment B-67-62, Item 203.0225.S.0001; B-67-63, Item 203.0225.S.0002; B-67-234, Item 203.0225.0003; B-67-235, Item 203.0225.S.0004.	30
23.	Removing Old Structure Over Waterway With Debris Capture System Station 301+00, Item 203.0700.S.0003.....	31
24.	QMP Base Aggregate.	32
25.	Asphaltic Surface Temporary.	40
26.	Expansion Device, B-67-62; B-67-63; B-67-69; B-67-234; B-67-235.	40
27.	Protective Surface Treatment Reseal, Item 502.3215.S.	41
28.	Removing Bearings, B-67-14, Item 506.7050.S.0001; B-67-140, Item 506.7050.S.0002.	42
29.	Labeling and Disposal of Waste Material.....	43
30.	Structure Repainting Recycled Abrasive B-67-14, Item 517.1800.S.0001; B-67-140, Item 517.1800.S.0002; B-67-234, Item 517.1800.S.0003; B-67-235, Item 517.1800.S.0004.	45
31.	Negative Pressure Containment and Collection of Waste Materials, B-67-14, Item 517.4500.S.0001; B-67-140, Item 517.4500.S.0002; B-67-234, Item 517.4500.S.0003; B-67-235, Item 517.4500.S.0004.	48

32.	Portable Decontamination Facility, Item 517.6001.S.....	50
33.	Slope Paving Repair Crushed Aggregate, Item 604.9010.S.....	51
34.	Reseal Crushed Aggregate Slope Paving, Item 604.9015.S.....	52
35.	Adjusting Inlet Covers.....	52
36.	Dust Control.....	53
37.	Signs Type I and II.....	53
38.	Traffic Control.....	54
39.	Traffic Control Signs Removal.....	55
40.	Truck or Trailer-Mounted Attenuator, Item 643.1055.S.....	55
41.	Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch, Item 646.0841.S; 8-Inch, Item 646.0843.S.....	56
42.	General Requirements for Electrical Work.....	58
43.	Install Conduit Into Existing Item, Item 652.0700.S.....	59
44.	Electrical Wiring.....	59
45.	Freeway Lighting System – WisDOT Owned Systems.....	60
46.	Temporary Traffic Signals for Intersections IH 94 EB Ramps and STH 164/CTH J, Item 661.0200.3001; IH 94 WB Ramps and STH 164/CTH J, Item 661.0200.3002.....	65
47.	Ramp Closure Gates Hardwired 32-FT, Item 662.1032.S; Ramp Closure Gates Hardwired 37-FT, Item 662.1037.S; Ramp Closure Gates Hardwired 40-FT, Item 662.1040.S.....	67
48.	Ramp Closure Gates Solar 28-FT, Item 662.2028.S; Ramp Closure Gates Solar 30-FT, Item 662.2030.S; Ramp Closure Gates Solar 37-FT, Item 662.2037.S; Ramp Closure Gates Solar 40-FT, Item 662.2040.S; Ramp Closure Gate Arms Stockpile 28-FT, Item 662.3028.S; Ramp Closure Gate Arms Stockpile 30-FT, Item 662.3030.S; Ramp Closure Gate Arms Stockpile 32-FT, Item 662.3032.S; Ramp Closure Gate Arms Stockpile 37-FT, Item 662.3037.S; Ramp Closure Gate Arms Stockpile 40-FT, Item 662.3040.S; Ramp Closure Gate Flashers Stockpile, Item 662.4000.S.....	71
49.	Intelligent Transportation Systems (ITS) – Control of Materials.....	76
50.	Intelligent Transportation Systems – General Requirements.....	78
51.	Intelligent Transportation Systems – Conduit.....	82
52.	Install Ethernet Switch, Item 675.0400.S.....	83
53.	Salvage Terminal High-Tension Cable TL-3, Gibraltar, Item SPV.0060.0001; Salvage High-Tension Cable TL-3, Socketed, Gibraltar, Item SPV.0090.0001.....	83
54.	Terminal High-Tension Cable TL-3, Gibraltar, Item SPV.0060.0002; High-Tension Cable TL-3, Socketed, Gibraltar, Item SPV.0090.0002.....	84
55.	Reinstall Terminal High-Tension Cable TL-3, Gibraltar, Item SPV.0060.0003; Reinstall High-Tension Cable TL-3, Socketed, Gibraltar, Item SPV.0090.0003.....	87
56.	Lamp Disposal High Intensity Discharge, Item SPV.0060.1000.....	90
57.	Group Luminaire Maintenance 30-Foot 250W HPS, Item SPV.0060.1001.....	91
58.	Removing and Reinstalling Lighting Units, Item SPV.0060.1002.....	93
59.	Ground Rod, Item SPV.0060.1300.....	94
60.	Install Fiber Optic Media Converter, Item SPV.0060.3001.....	94
61.	Cleaning and Painting Bearings, Item SPV.0060.4000.....	95
62.	Clean Deck Inlets, Item SPV.0060.4001.....	96

63.	Cover Plates Temporary Special, Item SPV.0060.8000.....	96
64.	Survey Project 1060-44-70 Item SPV.0105.0001.....	97
65.	Maintenance of Lighting Systems, Item SPV.0105.1000.....	99
66.	Temporary EVP System IH 94 EB Ramps and STH 164/CTH J, Item SPV.0105.3001; IH 94 WB Ramps and STH 164/CTH J, Item SPV.0105.3002.....	102
67.	Temporary Vehicle Detection System for Intersections IH 94 EB Ramps and STH 164/CTH J, Item SPV.0105.3003; IH 94 WB Ramps and STH 164/CTH J, Item SPV.0105.3004.....	104
68.	Covering Traffic Signal Heads IH 94 and STH 164/CTH J, Item SPV.0105.3005.....	105
69.	Remove Traffic Signals IH 94 and STH 164/CTH J, Item SPV.0105.3007.....	106
70.	Remove Loop Detector Wire and Lead-in Cable IH 94 and STH 164/CTH J, Item SPV.0105.3008.....	107
71.	Vegetation Removal B-67-14, Item SPV.0105.4000; B-67-60, Item SPV.0105.4001; B-67-61, Item SPV.0105.4002; B-67-62, Item SPV.0105.4003; B-67-63, Item SPV.0105.4004; B-67-65, Item SPV.0105.4005; B-67-66, Item SPV.0105.4006; B-67-67, Item SPV.0105.4007; B-67-68, Item SPV.0105.4008; B-67-140, Item SPV.0105.4009; B-67-234, Item SPV.0105.4010; B-67-235, Item SPV.0105.4011.....	108
72.	Fence Removal and Replacement B-67-234, Item SPV.0105.4020; B-67-235, Item .SPV.0105.4021.....	109
73.	Removing Loose Concrete , Item SPV.0165.4000.....	110
74.	Proof Rolling, Item SPV.0170.0001.....	112
75.	Geogrid Reinforcement, Item SPV.0180.0001.....	112
76.	Clean Abutment Seats, Item SPV.0180.4000.....	115
77.	Cold Patch, Item SPV.0195.0001.....	115

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 1060-44-70, East West Freeway, CTH P to CTH F, IH 94, located in Waukesha County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2015 Edition, as published by the department, and these special provisions.

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

100-005 (20141107)

2. Scope of Work.

The work under this contract shall consist of structure overlays and miscellaneous repairs of 14 bridges (B-67-0014, B-67-0140, B-67-0234, B-67-235, B-67-0060, B-67-0061, B-67-0062, B-67-0063, B-67-0065, B-67-0066, B-67-0067, B-67-0068, B-67-0222, B-67-0069), replacement of approach slabs, pavement removal and replacement, asphalt surface, traffic control, pavement marking erosion control, guardrail repair, cable guard, installation of ramp gates, painting of 4 bridges (B-67-0014, B-67-0234, B-67-0235, B-67-0140) 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 10 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.

Provide the Erosion Control Implementation Plan (ECIP) 14 days prior to the preconstruction meeting.

The contract time for completion is based on an expedited work schedule and may require extraordinary forces and equipment. Included in this “Prosecution and Progress” article and “Traffic” article are restrictions to working hours and lane closures. Work efforts will possibly require multiple or concurrent controlling operations to occur at the same time, as well as multiple mobilizations related to staging. No additional payment will be made by the department for said mobilizations. This information is included to assist the contractor and its subcontractors and shall not be interpreted as a demonstration of specified means and methods.

Migratory Birds

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

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

Fish Spawning

There shall be no instream disturbance of Nemahbin Lake Channel (Bark River) as a result of construction activity under or for this contract, from March 1 to June 15 both dates inclusive, in order to avoid adverse impacts upon the spawning of warm water fish.

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

Freeway Work Zone Restrictions

Do not begin or continue any work that closes traffic lanes, shoulders, or ramps outside the allowed time periods specified in the “Traffic” article in these special provisions.

Work Zone Ingress/Egress.

Provide engineer approved signage and parallel deceleration and acceleration lanes for freeway access into and out of the work zones at locations approved by the engineer. All ingress and egress times for hauling shall be approved by the engineer.

Locations of work zone egress or ingress for construction vehicles, other than as shown in the plans, is subject to approval from the engineer. Access into the work zones are not allowed directly from the freeway during peak and off-peak hours. Access into the work zones from the freeway will be allowed during night-time hours, subject to approval by the engineer, if operations can be safely accomplished and do not result in non-construction

traffic entering the work zones. Exiting work zones directly onto the freeway are only allowed when operations do not obstruct or slow traffic on the freeway. All construction vehicles shall yield to all through traffic at all locations.

SEF Rev. 13_0425

Interim Liquidated Damages

At the beginning of Stage 3A and through Stage 3B operations, STH 164 / CTH J will have lane closures for a maximum of 30 calendar days. Do not reopen to all traffic lanes and movements until completing the following work in Stages 3A and 3B: B-67-234 and B-67-235 structure repair and overlay, approach slabs, traffic signals, lighting, beam guard and other roadway work.

If the contractor fails to complete the work necessary to reopen STH 164 / CTH J to all traffic lanes and movements after completing Stages 3A and 3B within 30 calendar days, the department will assess the contractor \$15,000 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 30 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Open STH 164 / CTH J to all traffic lanes and movements after completing Stages 3A and 3B and complete construction operations on all underdeck work for B-67-014 and B-67-140 (CTH F bridges over IH 94) prior to 12:01 AM August 22, 2016. Underdeck work includes bearing replacement, bridge painting, and other structure repair as outlined in stages 4A, 4B, 5A, and 5B.

If the contractor fails to open STH 164 / CTH J to all traffic lanes and movements after completing Stages 3A and 3B and complete all underdeck work for B-67-014 and B-67-140 (CTH F bridges over I-94) prior to 12:01 AM August 22, 2016, the department will assess the contractor \$15,000 in interim liquidated damages for each calendar day that the work remains incomplete after 12:01 AM, August 22, 2016. An entire calendar day will be charged for any period of time within a calendar day that the work remains incomplete beyond 12:01 AM.

The department will not grant time extensions to the interim completion dates specified above for the following:

1. Severe weather as specified in standard spec 108.10.2.2.
2. Labor disputes that are not industry wide.
3. Delays in material deliveries.

If contract time expires prior to completing all work specified in the contract, additional liquidated damages will be affixed according to standard spec 108.11.

Final Completion of Work

Replace standard spec 108.11 paragraph (3) with the following:

The department will assess \$15,000 in daily liquidated damages. These liquidated damages reflect the cost of engineering, supervision, and a portion of road user costs.
108-055 (20130615)

The department will not grant time extensions to the completion date specified above for the following:

1. Severe weather as specified in standard spec 108.10.2.2.
2. Labor disputes that are not industry wide.
3. Delays in material deliveries.

Each day is defined as a twenty-four hour period beginning at 12:01AM.

Traffic Staging

See plans for segment limits and staging details.

Stage 1A

- Perform temporary widening of the median along the south side of IH 94 WB.
- Mill and pave HMA pavement on south side of IH 94 EB and IH 94.

Stage 1B

- Work in Stage 1A must be completed prior to this stage.
- Perform bridge repairs on north side of structures on IH 94 EB:
B-67-061
B-67-063
B-67-065
B-67-067
B-67-069
- Perform bridge repairs on north side of structures on IH 94 WB:
B-67-060
B-67-062
B-67-066
B-67-068
B-67-222
- Perform miscellaneous landscaping and roadway improvements along the north side of IH 94 EB and IH 94 WB.
- Perform temporary widening of median along north side of IH 94 EB.

Stage 2A

- Work in Stage 1A and 1B must be completed prior to this stage.
- Perform bridge repairs on south side of structures on IH 94 EB:
B-67-061
B-67-063
B-67-065
B-67-067
B-67-069
- Perform bridge repairs on south side of structures on IH 94 WB:
B-67-060
B-67-062
B-67-066
B-67-068
B-67-222
- Perform miscellaneous landscaping and roadway improvements along the south side of IH 94 EB and IH 94 WB.

Stage 2B – Night Time Work Only

- Work in Stage 1A, 1B and 2A must be completed prior to this stage.
- Remove median widening along IH 94 EB and IH 94 WB.
- Shape median shoulders along IH 94 EB and IH 94 WB.
- Install rumble strips on IH 94 EB and IH 94 WB.

Stage 3A

CTH J/STH 164:

- Perform bridge repair on the inside of Structures B-67-234 and B-67-235
- Perform miscellaneous landscaping and roadway improvements on inside lanes adjacent to Structures B-67-234 and B-67-235

Stage 3B

- Work in Stage 3A must be completed prior to this stage.

CTH J/STH 164:

- Perform bridge repair on the outside of Structures B-67-234 and B-67-235
- Perform miscellaneous landscaping and roadway improvements on outside lanes adjacent to Structures B-67-234 and B-67-235

Stage 4A

STH 164 / CTH J

- Structure repair on outside of B-67-234 and B-67-235.

CTH F

- Bearing replacement work in this stage must be coordinated with off peak lane closures on CTH F so work being done does not have live traffic above the work zone.
- Replace bearings at abutments and outside piers of B-67-014 and B-67-140, other structure repair, and re-grade ditch.

Stage 4B

STH 164 / CTH J

- Structure repair on inside of B-67-234 and B-67-235.

CTH F

- Structure repair on inside of B-67-014 and B-67-140.

Stage 5A

CTH J/STH 164

- Work in Stage 3A, 3B, 4A, and 4B (CTH J/STH 164) must be completed prior to this work. Paint outside lane girders of B-67-234 and B-67-235.

CTH F

- Work in Stages 4A and 4B (CTH F) must be completed prior to this work. Paint outside lane girders of B-67-014 and B-67-140.

Stage 5B

CTH J/STH 164

- Work in Stage 3A, 3B, 4A, and 4B (CTH J/STH 164) must be completed prior to this work. Paint inside lane girders of B-67-234 and B-67-235.

CTH F

- Work in Stage 4A and 4B (CTH F) must be completed prior to this work. Paint inside lane girders of B-67-014 and B-67-140.

4. Lane Rental Assessment.

A General

The contract designates some lane closures to perform the work. No Lane Rental Fee Assessments will be charged for closing lanes during the allowable lane closure hours. If a lane is closed outside of the allowable lane closure hours, the contractor will be subject to Lane Rental Fee Assessments. If a lane is obstructed at any time due to contractor operations, it is considered a closure. The purpose of lane rental is to enforce compliance of lane restrictions and discourage unnecessary closures.

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

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

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

A.1 Lane Rental Fee Assessment

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

\$2,500 per lane per 15 minutes

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

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

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

B (Vacant)

C (Vacant)

D Measurement

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

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

E (Vacant)

5. Traffic.

Allowable Lane Closure Hours

Nighttime lane closures on IH 94 will be allowed nightly between the following times:

IH 94 Eastbound CTH P to CTH C and WIS 83 to CTH E

- 6:00 PM Monday to 6:00 AM Tuesday
- 6:00 PM Tuesday to 6:00 AM Wednesday
- 6:00 PM Wednesday to 6:00 AM Thursday
- 6:00 PM Thursday to 6:00 AM Friday
- 6:00 PM Friday to 6:00 AM Saturday
- 6:00 PM Saturday to 6:00 AM Sunday
- 6:00 PM Sunday to 6:00 AM Monday

IH 94 Westbound CTH P to CTH C and WIS 83 to CTH E

- 7:00 PM Monday to 7:00 AM Tuesday
- 7:00 PM Tuesday to 7:00 AM Wednesday
- 7:00 PM Wednesday to 7:00 AM Thursday
- 7:00 PM Thursday to 7:00 AM Friday
- 7:00 PM Friday to 7:00 AM Saturday
- 7:00 PM Saturday to 7:00 AM Sunday
- 7:00 PM Sunday to 7:00 AM Monday

IH 94 Eastbound WIS 164 to CTH F (1 lane closure)

- 7:00 PM Monday to 6:00 AM Tuesday
- 7:00 PM Tuesday to 6:00 AM Wednesday
- 7:00 PM Wednesday to 6:00 AM Thursday
- 7:00 PM Thursday to 6:00 AM Friday
- 7:00 PM Friday to 6:00 AM Saturday
- 7:00 PM Saturday to 6:00 AM Sunday
- 7:00 PM Sunday to 6:00 AM Monday

IH 94 Westbound WIS 164 to CTH F (1 lane closure)

- 8:00 PM Monday to 7:00 AM Tuesday
- 8:00 PM Tuesday to 7:00 AM Wednesday
- 8:00 PM Wednesday to 7:00 AM Thursday
- 8:00 PM Thursday to 7:00 AM Friday
- 8:00 PM Friday to 7:00 AM Saturday
- 8:00 PM Saturday to 7:00 AM Sunday
- 8:00 PM Sunday to 7:00 AM Monday

IH 94 Eastbound WIS 164 to CTH F (2 lane closures)

- 8:00 PM Monday to 5:00 AM Tuesday
- 8:00 PM Tuesday to 5:00 AM Wednesday
- 8:00 PM Wednesday to 5:00 AM Thursday
- 8:00 PM Thursday to 5:00 AM Friday
- 8:00 PM Friday to 5:00 AM Saturday
- 8:00 PM Saturday to 5:00 AM Sunday
- 8:00 PM Sunday to 5:00 AM Monday

IH 94 Westbound WIS 164 to CTH F (2 lane closures)

- 9:00 PM Monday to 6:00 AM Tuesday
- 9:00 PM Tuesday to 6:00 AM Wednesday
- 9:00 PM Wednesday to 6:00 AM Thursday
- 9:00 PM Thursday to 6:00 AM Friday
- 9:00 PM Friday to 6:00 AM Saturday
- 9:00 PM Saturday to 6:00 AM Sunday
- 9:00 PM Sunday to 6:00 AM Monday

Advance Notification

Notify the engineer if there are any changes in the schedule, early completions, or cancellations of scheduled work. Coordinate the locations of messages of portable changeable message sign with the engineer and WisDOT STOC. Notify the engineer of proposed changes for alternate routes and detours and provide a revised signing plan for the review by and approval of the engineer.

Provide the engineer with a schedule of lane and ramp closures for the following week by 9am on Wednesday of the previous week. Provide the following minimum advance notification to the engineer for incorporation into the Wisconsin Lane Closure System (LCS). Advance notification is not required for closures and/restrictions on “ON” and “OFF” ramps from and to local streets.

Lane closures*	14 calendar days
Full roadway closures	14 calendar days
System and service ramp closures*	14 calendar days
Full system and service ramp closures	14 calendar days
Project Start	14 calendar days
Construction stage change	14 calendar days
Detours	14 calendar days
Lane Closures**	3 business days
System and service ramp closures**	3 business days
Extending all closure types	3 business days
*With height, weight or width restrictions (available width, all lanes in one direction≤16')	
**Without height, weight, or width restrictions (available width, all lanes in one direction>16')	

Temporary Regulatory Speed Limit Reduction

A reduction of the posted regulatory speed limit from 65 or 70 mph to 55 mph is allowed during construction. At all other times the posted regulatory speed limit shall be 65 or 70 mph.

During approved temporary regulatory speed limit reductions, install regulatory speed limit signs on the inside and outside shoulders of the roadway at the beginning of the reduced regulatory speed zone, after all locations where traffic may enter the highway segment or every ½ mile within the reduced regulatory speed zone. Signs shall be installed at the end of the temporary regulatory speed zone to inform drivers the posted regulatory speed limit reverts back to 65 or 70 mph. To minimize possible confusion to the traveling public and to ensure appropriate speed enforcement, enhanced attention to placement and changing of speed limit signs is necessary.

Closures

Provide arrow boards for use during all lane closures in accordance to the MUTCD. Arrow boards for lane closures will be paid for under the item Traffic Control Project.

Perform traffic control for lane closures as shown on the Construction Staging plan. Lane closures are incidental to the bid item Traffic Control Project, including flagging operations.

All lane, ramp, and shoulder closures shall be removed when work is not in progress. Failure to reopen closed lanes, ramps, and shoulders shall be subject to penalties specified under the article “Prosecution and Progress” and “Lane Rental Assessment”. On days with a University of Wisconsin Badgers Football game at Camp Randall, no lane closures are allowed on westbound IH 94 from 4 hours prior to kickoff until kickoff and no lane closures are allowed on eastbound IH 94 from the time the game ends until 4 hours following.

Portable Changeable Message Signs

Place Traffic Control Signs Portable Changeable Message at the beginning of the project in each direction of IH 94 at least 14 calendar days prior to the beginning of construction. Place Traffic Control Signs Portable Changeable Message for all lane and ramp closures and work at STH 164/CTH J and CTH F as shown on plan at least seven days prior to the lane or ramp closure. Obtain approval from the engineer for all messages for the Traffic Control Signs Portable Changeable Message.

Clear Zone Working Restrictions

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

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

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

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

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

Traffic Control Devices

Place drums for lane or shoulder closures 1-foot minimum from edge of live traffic lane except as shown on the plan. Drums placed adjacent to the work areas shall be pulled back from the traveled lane when work is not in progress.

Have available at all times sufficient experienced personnel to promptly install, remove and reinstall the required traffic control devices to properly route traffic or work operations.

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

Vehicle Strobe Lights

Add the following to standard spec 107.8:

Equip all contractors' vehicles and equipment operating in or near live traffic lanes with at least one hazard identification beacon (flashing amber light). The flashing amber light shall be activated when vehicles or equipment are operated on the roadway, parked in close proximity to the roadway, and when entering or exiting live lanes of traffic. The flashing amber light shall be mounted approximately midway between the transverse extremities of the vehicles or machinery and at the highest practicable point that provides visibility from all directions. The light shall be of the flashing strobe or revolving type meeting the following requirements:

Flashing Strobe Type Light

360-degree lens
60 to 90 flashes per minute
5-inch minimum height
3 3/4-inch minimum diameter

Revolving Type Light

360-degree lens
45 to 90 flashes per minute
4 5/8-inch minimum height
3 3/4-inch minimum diameter

The light shall be equipped with bulbs of 50 candlepower minimum. Mounting shall be either magnetic or permanent. No compensation for furnishing and installing the flashing amber light to contractor owned construction equipment or vehicles will be provided for in the contract.

6. Holiday Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying IH 94 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, March 25, 2016 to 6:00 AM Monday, March 28, 2016 for Easter;
- From noon Friday, May 27, 2016 to 6:00 AM Tuesday, May 31, 2016 for Memorial Day;
- From noon Friday, July 1, 2016 to 6:00 AM Tuesday, July 5, 2016 for Independence Day;
- From noon Friday, September 2, 2016 to 6:00 AM Tuesday, September 6, 2016 for Labor Day.

107-005 (20050502)

7. Utilities.

The provisions of administrative rule TRANS 220 apply to this project.

Utility adjustments are not anticipated for this construction project. Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per statutes. Use caution to ensure the integrity of underground facilities and maintain code clearances from overhead facilities at all times.

Contact the local governing road authority to find out if there are any locally owned facilities within the project limits.

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

107-SER6 (20101021)

The following utilities have facilities within the construction limits, however, no adjustments are anticipated:

- We Energies – gas and electric
- Town of Delafield
- WisDOT STOC

- WisDOT Lighting
- WisDOT Signals
- Waukesha County DPW
- Time Warner Cable – aerial and underground facilities
- PAETEC Business Services – buried fiber cable
- ATC Management, Inc. – Overhead 138,000 volt transmission lines
- AT&T Wisconsin – communications
- AT&T Corporation
- Oconomowoc Utilities - Electric
- Summit Utility District 2 - Sanitary Sewer
- City of Pewaukee – Water and Sewer
- City of Waukesha Sanitary and Storm – Sanitary and Storm Sewer
- City of Waukesha – Engineering – Sanitary and Storm Sewer
- Midwest Fiber Networks
- TW Telecom
- Century Link
- TDS Metrocom

AT&T Corporation has fiber that runs along the eastbound IH 94 right-of-way from CTH P to STH 83. AT&T Corporation is not anticipating the need for relocation and the facility will remain in service during construction. AT&T plant protection personnel should be present during any work near the duct package. Notify AT&T Corporation representative William Koenig at (608) 628-0575, three working days prior to any work near the duct package to schedule a plant protection personal representative to be on-site during construction.

We Energies Gas and Electric have facilities within the construction limits, but is not anticipating the need for relocation. It is imperative that the highway contractor contact We Energies if removing any gas facilities or electrical underground cables, to verify that they have been abandoned and carry no natural gas or electrical current. The contractor must not assume that unmarked facilities have been abandoned. At no time is it acceptable to push, pull, cut or drill an unmarked facility without explicit consent from We Energies.

Contractor must call the We Energies 24 hour Dispatch lines to arrange for this verification. We Energies Electric Dispatch, (800) 662-4797; We Energies Gas Dispatch, (800) 261-5325.

If utility conflicts occur, they will be adjusted during construction in coordination with the contractor.

8. Other Contracts.

Adjacent project 1060-44-71 is anticipated to begin construction on August 22, 2016 and involves concrete pavement replacement at the ramp terminal intersections of IH 94 and CTH F, polymer deck overlays of B-67-014 and B-67-140 (the CTH F bridges over I-94) and detours for ramp closures. STH 164 / CTH J shall be open to all traffic lanes and movements after completing Stages 3A and 3B and underdeck bridge work on B-67-014 and B-67-140 as outlined in stages 4A, 4B, 5A, and 5B shall be complete prior to August 22, 2016 and will be subject to interim liquidated damages.

Other contracts in the project area include:

- 1060-30-70, East-West Freeway, STH 67 northbound and southbound Bridge, I-94, Waukesha County.
- 1060-38-70, East-West Freeway, Dousman Road Bridges, I-94, Waukesha County.
- 1060-38-71, East-West Freeway, Golden Lake (CTH BB) Bridges, I-94, Waukesha County.

9. Hauling Restrictions.

At all times, conduct operations in a manner that causes minimum disruption to traffic on existing roadways. Coordinate with the local authority.

This provision does not reduce or eliminate the contractor responsibility from restoring local roads under the item maintenance and repair of haul roads.
SEF Rev. 12_1004

10. Environmental Protection, Aquatic Exotic Species Control.

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

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

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

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

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

107-055 (20130615)

11. Archaeologically Significant Sites.

I-94 Effigy (47WK140/BWK-0160) is an uncatalogued burial site located in SE 1/4 SE 1/4 of Section 22 in T7N R19E, between WIS 164 and County JJ in Waukesha County.

Unnamed cemetery (BWK-0103) is located in Section 22 of T07NR19E, between WIS 164 and County T in Waukesha County.

The Burke Burials (47WK148/BWK-0256) is an uncatalogued burial site located in the southeast quadrant of the I-94 / County F interchange in Waukesha County.

The Nemahbin Group (47WK179/BWK-0188) is an uncatalogued burial site located west of the channel connecting Upper and Lower Nemahbin Lakes and east of County P in Waukesha County.

Contact the Bureau of Technical Services' Cultural Resources Team (CRT) to obtain confirmation of compliance with necessary permits and the petitioning processes at least two weeks before commencement of any ground disturbing activities in vicinities of the I-94 Effigy, unnamed cemetery, Burke Burials or Nemahbin Group sites.

Ensure ground-disturbing construction activities within the boundaries of the I-94 Effigy, unnamed cemetery, Burke Burials or Nemahbin Group sites or beyond the existing toe of slope are monitored by a qualified archaeologist.

Borrow or waste disposal is prohibited within the boundaries of the I-94 Effigy, unnamed cemetery, Burke Burials or Nemahbin Group sites.

The staging of personnel, equipment and/or supplies on any areas within the boundaries of the I-94 Effigy, unnamed cemetery, Burke Burials or Nemahbin Group sites not currently capped by asphalt /concrete is prohibited.

If human bone or any inadvertent burial related discoveries are encountered discovered during construction, work activities in the area shall immediately cease and the qualified archeologist will contact the Wisconsin Historical Society at (800) 342-7834 or (608) 264-6507 for compliance with Wisconsin Statute 157.70 regarding the protection of human burial sites.

Bureau of Technical Services' Cultural Resources Team can be contacted through the following representative: Lynn Cloud, (608) 266-0099.

12. Erosion Control.

Add the following to standard spec 107.20:

Erosion control best management practices (BMP's) shown on the plans are at suggested locations. The actual locations will be determined by the contractor's erosion control implementation plan (ECIP) and by the engineer. The contractor shall prepare and submit an ECIP for the project including borrow sites, material disposal sites, dust control, and dewatering in accordance to Chapter TRANS 401 requirements. Include each dewatering (mechanical pumping) operation in the ECIP submittal. The ECIP will supplement information shown on the plans and not reproduce it. The ECIP will identify how to implement the project's erosion control plan. ECIP will demonstrate timely and diligently staged operations, continuing all construction operations methodically from the initial removals and topsoil stripping operations through the subsequent grading, paving, and re-application of top soil to minimize the period of exposure to possible erosion.

Provide the ECIP 14 days prior to the pre-construction conference. Provide 1 copy of the ECIP to the department and 1 copy of the ECIP to the WDNR Liaison (*Craig Webster, (414) 303-3011, Craig.Webster@Wi.Gov*). Do not implement the ECIP until department approval, and perform all work in accordance to the approved ECIP.

Maintain Erosion Control BMP's until permanent vegetation is established or until the engineer determines that the BMP is no longer required.

Stockpile excess materials or spoils on upland areas away from wetlands, floodplains, and waterways. Immediately install perimeter silt fence protection around stockpiles. If stockpiled materials will be left for more than 14 days, install temporary seed or other temporary erosion control measures the engineer orders.

Re-apply topsoil on graded areas, as designated by the engineer, immediately after grading is completed within those areas. Seed, fertilize, and mulch/erosion mat top-soiled areas, as designated by the engineer, within 5 days after placement of topsoil. If graded areas are left not completed and exposed for more than 14 days, seed those areas with temporary seed.

When performing roadway cleaning operations, the contractor shall use equipment having vacuum or water spray mechanism to eliminate the dispersion of dust. If vacuum equipment is employed, it shall have suitable self-contained particulate collectors to prevent discharge from a collection bin into the atmosphere.

Do not allow any excavation for; structures, utilities, grading, maintaining drainage that requires dewatering(mechanical pumping) of water containing sediments (sand, silt, and clay particles) to leave the work site or discharge to a storm water conveyance system without sediment removal treatment. Prior to each dewatering operation, submit to the department a separate ECIP amendment describing in words and pictorial format an appropriate BMP for sediment removal, in accordance to WisDNR Storm Water Construction Technical Standard, Code 1061, Dewatering. Include reasoning, location, and schedule duration proposed for each operation. Per Code 1061, include all selection criteria: site assessment, dewatering practice selection, calculations, plans, specifications, operations, maintenance, and location of proposed treated water discharge. Provide a stabilized discharge area. Do not pump water from the construction site into a storm water conveyance without the water first passing through a sediment trap or filter bag. If directing discharge towards an inlet structure, provide additional inlet protection for back-up protection. Dewatering is considered incidental to the project.

13. Information to Bidders, U.S. Army Corps of Engineers Section 404 Permit.

The department has obtained a U.S. Army Corps of Engineers Section 404 Permit and WisDNR 401 Water Quality Certification for work being performed on this project in or adjacent to wetlands. A copy of the permit is available from the regional office by contacting Karla Leithoff at (262) 548-6709.

Comply with the requirements of the permit and certification in addition to requirements of the contract. Perform remedial activities without extra compensation if not in compliance.

107-SER20 (20101021)

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

Tim Petrofske, License Number All-115985 and Bruce Benoit License Number All-110003, inspected Structure B-67-234 for asbestos on September 12, 2007. Regulated Asbestos Containing Material (RACM) was found on this structure in the following locations and quantities: Utilities under the west side of bridge; ATC Category II Non Friable; 6(4-inch PVC X 192 ft.); 6(4-inch tin x 192 ft.).

A copy of the inspection report is available from: Andrew Malsom, (262) 548-6705. Locations of asbestos containing material are noted on the plan set. Do not disturb any asbestos containing material. Should asbestos containing material be disturbed, stop work immediately, notify the engineer, and the engineer will notify the department's Bureau of Technical Services at (608) 266-1476 for an emergency response in accordance to standard spec 107.24. Keep material wet until it is abated.
107-120 (20120615)

15. Notice to Contractor, Notification of Demolition and/or Renovation No Asbestos Found.

John Roelke, License Number ALL-119523, inspected Structures B-67-0014, B-67-0060, B-67-0061, B-67-0062, B-67-0063, B-67-0065, B-67-0066, B-67-0067, B-67-0068, B-67-0069, B-67-0140, B-67-0222, B-67-0235 for asbestos on March 12, 2013. No regulated Asbestos Containing Material (RACM) was found on these structures. A copy of the inspection report is available from: Andrew Malsom, (262) 548-6705.

In accordance to NR447 and DHS159 , ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 4/11), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days prior to beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to Andrew Malsom, (262) 548-6705 and DOT BTS-ESS attn: Hazardous Materials Specialist PO Box 7965, Madison, WI 53707-7965. In addition, comply with all local or municipal asbestos requirements.

Use the following information to complete WisDNR form 4500-113 :

- Site Name: B-67-69 I-94 eastbound over Lower Nemahbin Lake
- Site Address: 2.3 M E JCT STH 67 TO N
- Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
- Contact: Andrew Malsom
- Phone: (262) 548-6705
- Age: 53 years. This structure was constructed in 1962.
- Area: 74994 SF

- Site Name: B-67-222 I-94 westbound over Upper Nemahbin Lake
 - Site Address: 3.2 M W JCT STH 83 TO N
 - Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
 - Contact: Andrew Malsom
 - Phone: (262) 548-6705
 - Age: 25 years. This structure was constructed in 1990.
 - Area: 1878 SF
-
- Site Name: B-67-67 I-94 eastbound over Waterville Road
 - Site Address: 2.7 MI E JCT STH 67
 - Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
 - Contact: Andrew Malsom
 - Phone: (262) 548-6705
 - Age: 53 years. This structure was constructed in 1962.
 - Area: 7327 SF
-
- Site Name: B-67-68 I-94 westbound over Waterville Road
 - Site Address: 2.9 M W JCT STH 83 TO N
 - Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
 - Contact: Andrew Malsom
 - Phone: (262) 548-6705
 - Age: 52 years. This structure was constructed in 1963.
 - Area: 7504 SF
-
- Site Name: B-67-65 I-94 eastbound over Cushing Park Road
 - Site Address: 3.3 MI E JCT STH 67
 - Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
 - Contact: Andrew Malsom
 - Phone: (262) 548-6705
 - Age: 53 years. This structure was constructed in 1962.
 - Area: 6136 SF
-
- Site Name: B-67-66 I-94 westbound over Cushing Park Road
 - Site Address: 2.3 M W JCT STH 83 TO N
 - Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
 - Contact: Andrew Malsom
 - Phone: (262) 548-6705
 - Age: 52 years. This structure was constructed in 1963.
 - Area: 6136 SF

- Site Name: B-67-62 I-94 westbound over STH 83
 - Site Address: 6.6 M W JCT STH 16 TO W
 - Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
 - Contact: Andrew Malsom
 - Phone: (262) 548-6705
 - Age: 53 years. This structure was constructed in 1972.
 - Area: 11901 SF
-
- Site Name: B-67-63 I-94 eastbound over STH 83
 - Site Address: 5.4 MI E JCT STH 67
 - Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
 - Contact: Andrew Malsom
 - Phone: (262) 548-6705
 - Age: 53 years. This structure was constructed in 1962.
 - Area: 11901 SF
-
- Site Name: B-67-60 I-94 eastbound over East Maple Avenue
 - Site Address: 5.4 M W JCT STH 16 TO W
 - Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
 - Contact: Andrew Malsom
 - Phone: (262) 548-6705
 - Age: 53 years. This structure was constructed in 1962.
 - Area: 3014 SF
-
- Site Name: B-67-61 I-94 westbound over East Maple Avenue
 - Site Address: 1.3 MI E JCT STH 83
 - Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
 - Contact: Andrew Malsom
 - Phone: (262) 548-6705
 - Age: 53 years. This structure was constructed in 1962.
 - Area: 6029 SF

- Site Name: B-67-234 CTH J/STH 164 southbound over I-94
- Site Address: 2.3 M S JCT STH 190
- Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
- Contact: Andrew Malsom
- Phone: (262) 548-6705
- Age: 22 years. This structure was constructed in 1993.
- Area: 11709 SF

- Site Name: B-67-14 CTH F southbound over I-94
- Site Address: 2.4 MI S JCT STH 190
- Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
- Contact: Andrew Malsom
- Phone: (262) 548-6705
- Age: 59 years. This structure was constructed in 1956.
- Area: 11653 SF

- Site Name: B-67-140 CTH F northbound over I-94
- Site Address: 1.9 MI N JCT USH 18
- Ownership Information: WisDOT Transportation Southeast Region; 141 NW Barstow St.; P.O. Box 798; Waukesha, WI 53187-0798
- Contact: Andrew Malsom
- Phone: (262) 548-6705
- Age: 38 years. This structure was constructed in 1977.
- Area: 11459 SF

Insert the following paragraph in Section 6.g.:

- If asbestos not previously identified is found or previously non-friable asbestos becomes crumbled, pulverized, or reduced to a powder, stop work immediately, notify the engineer, and the engineer will notify the department's Bureau of Technical Services at (608) 266-1476 for an emergency response in accordance to standard spec 107.24. Keep material wet until it is abated or until it is determined to be non-asbestos containing material.

107-125 (20120615)

16. Contractor Notification.

Replace standard spec 104.2.2.2(2) with the following:

If the contractor discovers the differing condition, provide a written notice, as specified in standard spec 104.3.3, of the specific differing condition before further disturbing the site and before further performing the affected work.

104.3.2 (Vacant)

104.3.3 Contractor Initial Written Notice

Replace standard specs 104.3.2 and 104.3.3 with the following:

If required by standard spec 104.2, or if the contractor believes that the department's action, the department's lack of action, or some other situation results in or necessitates a contract revision, promptly provide a written notice to the engineer. At a minimum, provide the following:

1. A written description of the nature of the issue.
2. The time and date of discovering the problem or issue.
3. If appropriate, the location of the issue.

Provide the additional information specified in 104.3.5 as early as possible to assist the engineer in the timely resolution of an identified issue. The engineer will not require, in subsequent submissions, duplication of information already provided.

SEF Rev. 14_1211

17. Information to Bidders, Use of Recovered Material.

The department encourages the use of waste materials and recovered industrial byproducts as material substitutions (106.2.1), provided they meet standard specification gradation requirements, conform to NR 538 requirements, and follow standard engineering practice for their intended use.

SEF Rev. 14_1211

18. Maintaining Drainage.

Maintain drainage at and through worksite during construction in accordance to standard specs 107.22, 204, 205 and 520.

Use existing storm sewers, existing culvert pipes, existing drainage channels, temporary culvert pipes, or temporary drainage channels to maintain existing surface and pipe drainage. Pumps may be required to drain the surface, pipe, and structure discharges during construction. Costs for furnishing, operating, and maintaining the pumps is considered incidental to the project.

Dewatering (Mechanical Pumping) for Bypass Water (sediment-free) Operations

If dewatering bypass operations are required from one pipe structure to another downstream pipe structure or from the upstream to downstream end of a culvert and the bypass flow is not transporting sediments (sand, silt, and clay particles) from a tributary work site area, bypass pumping operations will be allowed provided that the department has been made aware of and approves operation. When pumping bypass flows, the discharge location will need to be stable and not produce any erosion from the discharge velocity that would cause release of sediment downstream.

Dewatering (Mechanical Pumping) for treatment Water (sediment-laden) Operations

If dewatering operations require pumping of water containing sediments (sand, silt, and clay particles), the discharge will not be allowed to leave the work site or discharge to a storm water conveyance system without sediment removal treatment. Refer to article Erosion Control in these special provisions for additional requirements.

19. Construction Over or Adjacent to Navigable Waters.

Supplement standard spec 107.19 with the following:

The Nemahbin Lake Channel (Bark River) is classified as a navigable waterway.
107-060 (20040415)

20. CPM Progress Schedule.

Submit a CPM Progress Schedule and updates in accordance to standard spec 108.4.4, and as hereinafter provided.

Prepare the Initial CPM Progress Schedule, Monthly CPM Progress Updates and other CPM Progress Revisions requested by the engineer.

Within five business days after award, the department will provide its current standard Work Breakdown Structure and activity codes to use to develop the Initial CPM Progress Schedule.

Designate a project scheduler who will be responsible for scheduling the work and submit a professional resume describing a minimum of three years of scheduling experience on interstate-highway reconstruction work of similar size and complexity. Obtain approval of the submitted resume prior to scheduling the work.

With each Monthly CPM Progress Schedule Update also include:

1. Activities underway and as-built dates for the past month.
2. On a monthly basis, agree on the as-built dates with the department depicted in the Monthly CPM Progress Schedule Update or document any disagreements. Use the as-built dates from the Monthly CPM Progress Schedule Update for the month when updating the CPM schedule.
3. Provide actual as-built dates for completed activities through final acceptance of the project.

21. Clearing and Grubbing, Emerald Ash Borer.

This applies to projects in the emerald ash borer (EAB) quarantined zones to include Fond du Lac, Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Washington and Waukesha counties.

Supplement standard spec 201.3 with the following:

The emerald ash borer (EAB) has resulted in a quarantine of ash trees (*Fraxinus sp.*) by the Wisconsin Department of Agriculture, Trade, and Consumer Protection (DATCP) and the Wisconsin Department of Natural Resources (DNR).

Ash trees species attacked by emerald ash borer include the following:

- Green ash (*F. pennsylvanica*) is found throughout the state, but is most common in southern Wisconsin. It may form pure stands or grow in association with black ash, red maple, swamp white oak, and elm. It grows as an associate in upland hardwood stands, but is most common in and around stream banks, floodplains, and swamps.
- Black ash (*F. nigra*) is distributed over the entire state but is most frequently found in northern Wisconsin. It is most common in swamps, but is also found in other wet forest types.
- Blue ash (*F. quadrangulata*) is a threatened species that is currently found only at a few sites in Waukesha County. The species is at the edge of its range in Wisconsin, but is common in states farther south. The species is not of commercial importance. Blue ash twigs are 4-sided.
- White ash (*F. americana*) tends to occur primarily in upland forests, often with *Acer saccharum*.

The quarantine of ash trees includes all horticultural cultivars of the species listed above.

Note that blue ash twigs are 4-sided. All other Wisconsin ash trees have round stems. Also, Mountain ash (*Sorbus americana* and *S. decora*) is not a true ash and is not susceptible to EAB infestation.

The contractor shall be responsible for hiring a certified arborist to identify all ash trees that will be cleared and grubbed for the project. In addition, prior to scheduled clearing and grubbing activities, the arborist shall mark all ash trees with florescent lime flagging tied around the trunk perimeter.

Follow and obey the following Wisconsin Department of Agriculture, Trade, and Consumer Protection order:

ATCP 21.17 Emerald ash borer; import controls and quarantine.

Importing or Moving Regulated Items from Infested Areas; Prohibition.

Except as provided in subparagraph (3), no person may do any of the following:

- (a) Import a regulated item under sub. (2) into this state if that item originates from an emerald ash borer regulated area identified in 7CFR 301.53-3.
- (b) Move any regulated item under sub. (2) out of an emerald ash borer regulated area that is identified in 7CFR 301.53-3 and located in this state.

Note: the United States Department of Agriculture-Animal and Plant Health Inspection Service (USDA-APHIS) periodically updates the list of regulated areas in 7CFR 301.53-3. Subsection (1) applies to new regulated areas as those areas are identified in the CFR.

Regulated Items. The following are regulated items for purposes of subparagraph (1):

The emerald ash borer, *Agrilus planipennis* Fairmaire in any living stage.

Ash trees.

Ash limbs, branches, and roots.

Ash logs, slabs or untreated lumber with bark attached.

Cut firewood of all non-coniferous species.

Ash chips and ash bark fragments (both composted and uncomposted) larger than one inch in diameter.

Any other item or substance that may be designated as a regulated item if a DATCP pest control official determines that it presents a risk of spreading emerald ash borer and notifies the person in possession of the item or substance that it is subject to the restrictions of the regulations.

Regulatory Considerations

The quarantine means that ash wood products may not be transported out of the quarantined area.

Clearing and grubbing includes all ash trees that are to be removed from within the project footprint. If ash trees are identified within clearing and grubbing limits of the project, the following measures are required for the disposal:

Chipped Ash Trees

May be left on site if used as landscape mulch within the project limits. If used as mulch on site, chips may not be applied at a depth greater than standard mulch applications as this will impede germination of seeded areas.

May be buried on site within the right-of-way in accordance to standard spec 201.3 (14).

May be buried on adjacent properties to projects within the quarantined zone with prior approval of the engineer in accordance to standard spec 201.3 (15).

May be trucked to a licensed landfill within the quarantined zone with the engineer's approval in accordance to standard spec 201.3 (15).

Burning chips is optional if in compliance with standard spec 201.3.

Chips must be disposed of immediately if not used for project mulching and may not be stockpiled and left on site for potential transport by others. Chips may be stockpiled temporarily if they will be used for project mulching and are not readily accessible to the public.

Chipper equipment must be cleaned following post-chipping activities to ensure no spread of wood chip debris into non-quarantined counties.

Ash logs, Branches, and Roots

May be buried without chipping within the existing right-of-way or on adjacent properties in accordance to standard spec 201.3 (14)(15).

May be trucked to a licensed landfill within the quarantined zone with the engineer's approval in accordance to standard spec 201.3 (15).

Burning is optional if in compliance with standard spec 201.3.

Ash logs, branches, and roots must be disposed of immediately and may not be stockpiled.

All additional costs will be incidental to clearing and grubbing items.

Do not bury or use mulch in an area that will be disturbed again during later phases of the project.

Anyone moving firewood or ash products from the state or these counties is subject to state and federal fines up to \$1,000.00. All fines are the responsibility of the contractor. Obtain updated quarantine information at the DNR Firewood Information Line at (800) 303-WOOD.

Furnishing and Planting Plant Materials

Supplement standard spec 632.2.2 with the following:

Ash trees may be obtained from inside or outside the quarantine area and planted within the quarantined area. Ash trees from within the quarantine area may not be transported and planted into the non-quarantined area.

Updates for Compliance

Each year, as a service, the Wisconsin department of agriculture, trade and consumer protection distributes an updated federal CFR listing to nursery license holders and other affected persons in this state. More frequent updates, if any, are available on the Department of Agriculture, Trade, and Consumer Protection (DATCP) website at www.datcp.state.wi.us . Subsection (1) applies to new regulated areas as those areas are identified in the CFR, regardless of whether affected persons receive update notices from

the DATCP. Persons may request update notices by calling (608) 224-4573, by visiting the DATCP website, or by writing to the following address:

Wisconsin Department of Agriculture, Trade and Consumer Protection
Division of Agricultural Resource Management
P.O. Box 8911
Madison WI 53708-8911

Regulated Items

More frequent updates, if any, are available on the DATCP website at www.datcp.state.wi.us. Subsection (1) applies to new regulated areas as those areas are identified in the CFR, regardless of whether affected persons receive update notices from DATCP. Persons may request update notices by calling (608) 224-4573, by visiting the DATCP website, or by writing to the above address.

201-SER1 (20100401)

- 22. Debris Containment B-67-62, Item 203.0225.S.0001; B-67-63, Item 203.0225.S.0002; B-67-234, Item 203.0225.0003; B-67-235, Item 203.0225.S.0004.**

A Description

This special provision describes providing a containment system to prevent debris from structure removal, reconstruction, or other construction operations from falling onto facilities located under the structure. Using this containment system does not relieve the contractor of requirements under standard spec 107.17 and standard spec 107.19 or requirements under a US Army Corps of Engineers Section 404 Permit.

B (Vacant)

C Construction

Prior to starting work, submit a debris containment plan to the engineer for review. Incorporate engineer-requested modifications. Do not start work over STH 83 (B-67-62/63 or STH 164 (B-67-234/235) until the engineer approves the debris containment plan.

Maintain adequate protection throughout construction for people and property within the potential fall zone. Ensure that a containment system capable of protecting underlying facilities from falling construction debris is in place before beginning deck repair, parapet removal, or other operations that may generate debris.

D Measurement

The department will measure Debris Containment (Structure) as a single lump sum unit of work for each structure, 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
203.0225.S.0001	Debris Containment B-67-62	LS
203.0225.S.0002	Debris Containment B-67-63	LS
203.0225.S.0003	Debris Containment B-67-234	LS
203.0225.S.0004	Debris Containment B-67-235	LS

Payment is full compensation for furnishing, installing, maintaining, and removing a debris containment system.

203-010 (20080902)

23. Removing Old Structure Over Waterway With Debris Capture System Station 301+00, Item 203.0700.S.0003.

Conform to standard spec 203 as modified in this special provision.

Add the following to standard spec 203:

203.3.6 Removals Over Waterways and Wetlands

203.3.6.3 Removing Old Structure Over Waterway with Debris Capture System

- (1) Remove the existing Structure B-67-69 over Nemahbin Lake in large sections and conforming to the contractor's approved structure removal plan. Due to the very sensitive nature of Nemahbin Lake, provide a debris capture and containment system for superstructure removal that prevents all large pieces and virtually all other debris, including fine particles and slurry, from entering the waterway or wetland.
- (2) Submit a structure removal plan as part of the erosion control implementation plan required under standard spec 107.20. Do not start work under the structure removal plan without the department's written approval of the plan. Include the following information in the structure removal plan:
 - Methods and schedule to remove the structure.
 - Methods to control potentially harmful environmental impacts.
 - Methods to avoid or minimize the discharge of any pollutant to the waterway or wetland during superstructure removal.
 - Details of the debris capture and containment system for superstructure removal including contingency plans to deal with potential failures.
 - Methods to control dust and contain slurry.
 - Methods for removing piers and abutments. If blasting in water, include restrictions that regulatory agencies and the contract require.
- (3) If stockpiling spoil material, place it on an upland site an adequate distance from the waterway, wetland, or any open water created by excavation. Install silt fence between the spoil pile and the waterway, wetland, or excavation site.

Add the following Removing Old Structure bid item to standard spec 203.5.1:

ITEM NUMBER	DESCRIPTION	UNIT
203.0700.S.0003	Removing Old Structure Over Waterway With Debris Capture System Station 301+00	LS

203-025 (20080902)

24. QMP Base Aggregate.

A Description

A.1 General

- (1) This special provision describes contractor quality control (QC) sampling and testing for base aggregates, documenting those test results, and documenting related production and placement process changes. This special provision also describes department quality verification (QV), independent assurance (IA), and dispute resolution.
- (2) Conform to standard spec 301, standard spec 305, and standard spec 310 as modified here in this special provision. Apply this special provision to material placed under all of the Base Aggregate Dense and Base Aggregate Open Graded bid items, except do not apply this special provision to material classified as reclaimed asphaltic pavement placed under the Base Aggregate Dense bid items.
- (3) Do not apply this special provision to material placed under the Aggregate Detours, Salvaged Asphaltic Pavement Base, Breaker Run, Select Crushed, Pit Run, Subbase, or Riprap bid items.
- (4) Provide and maintain a quality control program, defined as all activities related to and documentation of the following:
 1. Production and placement control and inspection.
 2. Material sampling and testing.
- (5) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes required sampling and testing procedures. The contractor may obtain the CMM from the department's web site at:

<http://roadwaystandards.dot.wi.gov/standards/cmm/index.htm>

A.2 Contractor Testing for Small Quantities

- (1) The department defines a small quantity, for each individual Base Aggregate bid item, as a plan quantity of 9000 tons or less of material as shown in the schedule of items under that bid item.
- (2) The requirements under this special provision apply equally to a small quantity for an individual bid item except as follows:

1. The contractor need not submit a full quality control plan but shall provide an organizational chart to the engineer including names, telephone numbers, and current certifications of all persons involved in the quality control program for material under affected bid items.
2. Divide the aggregate into uniformly sized sublots for testing as follows:

Plan Quantity	Minimum Required Testing
≤ 1500 tons	One test from production, load-out, or placement at the contractor's option ^[1]
> 1500 tons and ≤ 6000 tons	Two tests of the same type, either from production, load-out, or placement at the contractor's option ^[1]
> 6000 tons and ≤ 9000 tons	Three placement tests ^{[2][3]}

- ^[1] If using production tests for acceptance, submit test results to the engineer for review prior to incorporating the material into the work. Production test results are valid for a period of 3 years.
- ^[2] For 3-inch material, obtain samples at load-out.
- ^[3] If the actual quantity overruns 9000 tons, create overrun sublots to test at a rate of one additional placement test for each 3000 tons, or fraction of 3000 tons, of overrun.
3. No control charts are required. Submit aggregate load-out and placement test results to the engineer within one business day of obtaining the sample. Assure that all properties are within the limits specified for each test.
 4. Department verification testing is optional for quantities of 6000 tons or less.
- (3) Material represented by a subplot with any property outside the specification limits is nonconforming. The department may reject material or otherwise determine the final disposition of nonconforming material as specified in standard spec 106.5.

B Materials

B.1 Quality Control Plan

- (1) Submit a comprehensive written quality control plan to the engineer at or before the pre-construction meeting. Do not place base before the engineer reviews and comments on the plan. Construct the project as that plan provides.
- (2) Do not change the quality control plan without the engineer's review. Update the plan with changes as they become effective. Provide a current copy of the plan to the engineer and post in each of the contractor's laboratories as changes are adopted. Ensure that the plan provides the following elements:
 1. An organizational chart with names, telephone numbers, current certifications and/or titles, and roles and responsibilities of QC personnel.
 2. The process used to disseminate QC information and corrective action efforts to the appropriate persons. Include a list of recipients, the communication means that will be used, and action time frames.
 3. A list of source and processing locations, section and quarter descriptions, for all aggregate materials requiring QC testing.

4. Test results for wear, sodium sulfate soundness, freeze/thaw soundness, and plasticity index of all aggregates requiring QC testing. Obtain this information from the region materials unit or from the engineer.
5. Descriptions of stockpiling and hauling methods.
6. Locations of the QC laboratory, retained sample storage, and where control charts and other documentation is posted.
7. An outline for resolving a process control problem. Include responsible personnel, required documentation, and appropriate communication steps.

B.2 Personnel

- (1) Have personnel certified under the department's highway technician certification program (HTCP) perform sampling, testing, and documentation as follows:

Required Certification Level:	Sampling or Testing Roles:
Aggregate Technician IPP Aggregate Sampling Technician Aggregate Assistant Certified Technician (ACT-AGG)	Aggregate Sampling ^[1]
Aggregate Technician IPP Aggregate Assistant Certified Technician (ACT-AGG)	Aggregate Gradation Testing, Aggregate Fractured Particle Testing, Aggregate Liquid Limit and Plasticity Index Testing

^[1] Plant personnel under the direct observation of an aggregate technician certified at level one or higher may operate equipment to obtain samples.

- (2) A certified technician must coordinate and take responsibility for the work an ACT performs. Have a certified technician ensure that all sampling and testing is performed correctly, analyze test results, and post resulting data. No more than one ACT can work under a single certified technician.

B.3 Laboratory

- (1) Perform QC testing at a department-qualified laboratory. Obtain information on the Wisconsin laboratory qualification program from:

Materials Management Section
3502 Kinsman Blvd.
Madison, WI 53704
Telephone: (608) 246-5388

<http://www.dot.state.wi.us/business/engrserv/lab-qualification.htm>

B.4 Quality Control Documentation

B.4.1 General

- (1) Submit base aggregate placement documentation to the engineer within 10 business days after completing base placement. Ensure that the submittal is complete, neatly organized, and includes applicable project records and control charts.

B.4.2 Records

- (1) Document all placement observations, inspection records, and control adjustments daily in a permanent field record. Also include all test results in the project records. Provide test results to the engineer within 6 hours after obtaining a sample. For 3-inch base, extend this 6-hour limit to 24 hours. Post or distribute tabulated results using a method mutually agreeable to the engineer and contractor.

B.4.3 Control Charts

- (1) Plot gradation and fracture on the appropriate control chart as soon as test results are available. Format control charts according to CMM 8.30. Include the project number on base placement control charts. Maintain separate control charts for each base aggregate size, source or classification, and type.
- (2) Provide control charts to the engineer within 6 hours after obtaining a sample. For 3-inch base, extend this 6-hour limit to 24 hours. Post or distribute charts using a method mutually agreeable to the engineer and contractor. Update control charts daily to include the following:
 1. Contractor individual QC tests.
 2. Department QV tests.
 3. Department IA tests.
 4. Four-point running average of the QC tests.
- (3) Except as specified under B.8.2.1 for nonconforming QV tests, include only QC tests in the running average. The contractor may plot process control or informational tests on control charts, but do not include these tests, conforming QV tests, or IA tests in the running average.

B.5 Contractor Testing

- (1) Test gradation, fracture, liquid limit and plasticity index during placement for each base aggregate size, source or classification, and type.
- (2) Test gradation once per 3000 tons of material placed. Determine random sample locations and provide those sample locations to the engineer. Obtain samples after the material has been bladed, mixed, and shaped but before compacting; except collect 3-inch samples from the stockpile at load-out. Do not sample from material used to maintain local traffic or from areas of temporary base that will not have an overlying pavement. On days when placing only material used to maintain local traffic or only temporary base that will not have an overlying pavement, no placement testing is required.
- (3) Split each contractor QC sample and identify it according to CMM 8.30. Retain the split for 7 calendar days in a dry, protected location. If requested for department comparison testing, deliver the split to the engineer within one business day.
- (4) The engineer may require additional sampling and testing to evaluate suspect material or the technician's sampling and testing procedures.

- (5) Test fracture for each gradation test until the fracture running average is above the lower warning limit. Subsequently, the contractor may reduce the frequency to one test per 10 gradation tests if the fracture running average remains above the warning limit.
- (6) Test the liquid limit and plasticity index for the first gradation test. Subsequently, test the liquid limit and plasticity index a minimum of once per 10 gradation tests.

B.6 Test Methods

B.6.1 Gradation

- (1) Test gradation using a washed analysis conforming to the following as modified in CMM 8.60:
 Gradation..... AASHTO T 27
 Material finer than the No. 200 sieve..... AASHTO T 11
- (2) For 3-inch base, if 3 consecutive running average points for the percent passing the No. 200 sieve are 8.5 percent or less, the contractor may use an unwashed analysis. Wash at least one sample out of 10. If a single running average for the percent passing the No. 200 sieve exceeds 8.5 percent, resume washed analyses until 3 consecutive running average points are again 8.5 percent passing or less.
- (3) Maintain a separate control chart for each sieve size specified in standard spec 305 or standard spec 310 for each base aggregate size, source or classification, and type. Set control and warning limits based on the standard specification gradation limits as follows:
 1. Control limits are at the upper and lower specification limits.
 2. There are no upper warning limits for sieves allowing 100 percent passing and no lower control limits for sieves allowing 0 percent passing.
 3. Dense graded warning limits, except for the No. 200 sieve, are 2 percent within the upper and lower control limits. Warning limits for the No. 200 sieve are set 0.5 percent within the upper and lower control limits.
 4. Open graded warning limits for the 1-inch, 3/8-inch, and No. 4 sieves are 2 percent within the upper and lower control limits. Upper warning limits for the No. 10, No. 40, and No. 200 sieves are 1 percent inside the upper control limit.

B.6.2 Fracture

- (1) Test fracture conforming to CMM 8.60. The engineer will waive fractured particle testing on quarried stone.
- (2) Maintain a separate fracture control chart for each base aggregate size, source or classification, and type. Set the lower control limit at the contract specification limit, either specified in another special provision or in table 301-2 of standard spec 301.2.4.5. Set the lower warning limit 2 percent above the lower control limit. There are no upper limits.

B.6.3 Liquid Limit and Plasticity

- (1) Test the liquid limit and plasticity according to AASHTO T 89 and T 90.
- (2) Ensure the material conforms to the limits specified in standard spec table 301-2.

B.7 Corrective Action

B.7.1 General

- (1) Consider corrective action when the running average trends toward a warning limit. Take corrective action if an individual test exceeds the contract specification limit. Document all corrective actions both in the project records and on the appropriate control chart.

B.7.2 Placement Corrective Action

- (1) Do not blend additional material on the roadbed to correct gradation problems.
- (2) Notify the engineer whenever the running average exceeds a warning limit. When 2 consecutive running averages exceed a warning limit, the engineer and contractor will discuss appropriate corrective action. Perform the engineer's recommended corrective action and increase the testing frequency as follows:
 1. For gradation, increase the QC testing frequency to at least one randomly sampled test per 1000 tons placed.
 2. For fracture, increase the QC testing frequency to at least one test per gradation test.
- (3) If corrective action improves the property in question such that the running average after 4 additional tests is within the warning limits, the contractor may return to the testing frequency specified in B.5.3. If corrective action does not improve the property in question such that the running average after 4 additional individual tests is still in the warning band, repeat the steps outlined above starting with engineer notification.
- (4) If the running average exceeds a control limit, material starting from the first running average exceeding the control limit and ending at the first subsequent running average inside the control limit is nonconforming and subject to pay reduction.
- (5) For individual test results significantly outside the control limits, notify the engineer, stop placing base, and suspend other activities that may affect the area in question. The engineer and contractor will jointly review data, data reduction, and data analysis; evaluate sampling and testing procedures; and perform additional testing as required to determine the extent of potentially unacceptable material. The engineer may direct the contractor to remove and replace that material. Individual test results are significantly outside the control limits if meeting one or more of the following criteria:
 1. A gradation control limit for the No. 200 sieve is exceeded by more than 3.0 percent.
 2. A gradation control limit for any sieve, except the No. 200, is exceeded by more than 5.0 percent.
 3. The fracture control limit is exceeded by more than 10.0 percent.

B.8 Department Testing

B.8.1 General

- (1) The department will conduct verification testing to validate the quality of the product and independent assurance testing to evaluate the sampling and testing. The department will provide the contractor with a listing of names and telephone numbers of all QV and IA personnel for the project, and provide test results to the contractor within 2 business days after the department obtains the sample.

B.8.2 Verification Testing

B.8.2.1 General

- (1) The department will have an HTCP technician, or ACT working under a certified technician, perform QV sampling and testing. Department verification testing personnel must meet the same certification level requirements specified in B.2 for contractor testing personnel for each test result being verified. The department will notify the contractor before sampling so the contractor can observe QV sampling.
- (2) The department will conduct QV tests of each base aggregate size, source or classification, and type during placement conforming to the following:
 1. One non-random test on the first day of placement.
 2. At least one random test per 30,000 tons, or fraction of 30,000 tons, placed.
- (3) The department will sample randomly, at locations independent of the contractor's QC work, collecting one sample at each QV location. The department will collect QV samples after the material has been bladed, mixed, and shaped but before compacting; except, for 3-inch aggregates, the department will collect samples from the stockpile at load-out. The department will split each sample, test half for QV, and retain half.
- (4) The department will conduct QV tests in a separate laboratory and with separate equipment from the contractor's QC tests. The department will use the same methods specified for QC testing.
- (5) The department will assess QV results by comparing to the appropriate specification limits. If QV test results conform to the specification, the department will take no further action. If QV test results are nonconforming, add the QV to the QC test results as if it were an additional QC test.

B.8.3 Independent Assurance

- (1) Independence assurance is unbiased testing the department performs to evaluate the department's QV and the contractor's QC sampling and testing including personnel qualifications, procedures, and equipment. The department will perform an IA review according to the department's independent assurance program. That review may include one or more of the following:

1. Split sample testing.
 2. Proficiency sample testing.
 3. Witnessing sampling and testing.
 4. Test equipment calibration checks.
 5. Reviewing required worksheets and control charts.
 6. Requesting that testing personnel perform additional sampling and testing.
- (2) If the department identifies a deficiency, and after further investigation confirms it, correct that deficiency. If the contractor does not correct or fails to cooperate in resolving identified deficiencies, the engineer may suspend placement until action is taken. Resolve disputes as specified in B.9.

B.9 Dispute Resolution

- (1) The engineer and contractor should make every effort to avoid conflict. If a dispute between some aspect of the contractor's and the engineer's testing program does occur, seek a solution mutually agreeable to the project personnel. The department and contractor may review the data, examine data reduction and analysis methods, evaluate sampling and testing procedures, and perform additional testing. Use ASTM E 178 to evaluate potential statistically outlying data.
- (2) Production test results, and results from other process control testing, may be considered when resolving a dispute.
- (3) If the project personnel cannot resolve a dispute, and the dispute affects payment or could result in incorporating non-conforming product, the department will use third party testing to resolve the dispute. The department's central office laboratory, or a mutually agreed on independent testing laboratory, will provide this testing. The engineer and contractor will abide by the results of the third party tests. The party in error will pay service charges incurred for testing by an independent laboratory. The department may use third party test results to evaluate the quality of questionable materials and determine the appropriate payment. The department may reject material or otherwise determine the final disposition of nonconforming material as specified in standard spec 106.5.

C (Vacant)

D (Vacant)

E Payment

- (1) Costs for all sampling, testing, and documentation required under this special provision are incidental to this work. If the contractor fails to perform the work required under this special provision, the department may reduce the contractor's pay. The department will administer pay reduction under the non-performance of QMP administrative item.

- (2) For material represented by a running average exceeding a control limit, the department will reduce pay by 10 percent of the contract price for the affected Base Aggregate bid items listed in subsection A. The department will administer pay reduction under the Nonconforming QMP Base Aggregate Gradation or Nonconforming QMP Base Aggregate Fracture Administrative items. The department will determine the quantity of nonconforming material as specified in B.7.2.

301-010 (20100709)

25. Asphaltic Surface Temporary.

Replace standard spec 465.2.(1) with the following:

Under the Asphaltic Surface Temporary bid item; submit a mix design. Furnish asphaltic mixture meeting the requirements specified for either type E-3 or E-10 under 460.2; except the engineer will not require the contractor to conform to the quality management program specified under standard spec 460.2.8.

SEF Rev. 14_1211

26. Expansion Device, B-67-62; B-67-63; B-67-69; B-67-234; B-67-235.

A Description

This special provision describes furnishing and installing an expansion device in accordance to standard spec 502, as shown on the plans, and as hereinafter provided.

B Materials

The minimum thickness of the polychloroprene strip seal shall be ¼-inch for non-reinforced elastomeric glands and 1/8-inch for reinforced glands. Furnish the strip seal gland in lengths suitable for a continuous one-piece installation at each individual expansion joint location. Provide preformed polychloroprene strip seals that conform to the requirements ASTM D3542, and have the following physical properties:

Property Requirements	Value	Test Method
Tensile Strength, min.	2000 psi	ASTM D412
Elongation @ Break, min	250%	ASTM D412
Hardness, Type A, Durometer	60 ± 5 pts.	ASTM D2240
Compression Set, 70 hours @212°F, max.	35%	D395 Method B Modified
Ozone Resistance, after 70 hrs. at 100°F under 20% Strain with 100 pphm ozone	No Cracks	ASTM D1149 Method A
Mass Change in Oil 3 after 70 hr. 212°F	45%	ASTM D471
Mass Change, max.		

Install the elastomeric strip seal gland with tools recommended by the manufacturer, and with a lubricant adhesive conforming to the requirements of ASTM D4070.

The manufacturer and model number shall be one of the following approved strip seal expansion device products:

Manufacturer	Model Number Strip Seal Gland Size*		
	4-Inch	5-Inch	6-Inch
D.S. Brown	SSA2-A2R-400	SSA2-A2R-XTRA	SSA2-A2R-XTRA
R.J. Watson	RJA-RJ400	RJA-RJ500	RJA-RJ600
Watson Bowman Acme	A-SE400	A-SE500	A-SE800
Commercial Fabricators	A-AS400	-----	-----

*Expansion device strip seal gland size requirement of 4", 5", and 6" shall be as shown on the plans.

Furnish manufacturer's certification for production of polychloroprene represented showing test results for the cured material supplied, and certifying that it meets all specified requirements.

The steel extrusion or retainer shall conform to ASTM designation A 709 grade 36 steel. After fabrication, steel shall be galvanized conforming to the requirements ASTM A123.

Manufacturer's certifications for adhesive and steel shall attest that the materials meet the specification requirements.
502-020 (20110615)

27. Protective Surface Treatment Reseal, Item 502.3215.S.

A Description

This special provision describes resealing existing structures with protective surface treatment.

B Materials

Furnish a clear commercial protective surface treatment selected from the department's approved products list.

C Construction

Apply protective surface treatment to the entire top surface of the bridge deck; curb, including vertical face; median and sidewalk surfaces; and the inside faces and tops of concrete parapets.

Ensure that the concrete is surface-dry for a minimum of one day before application. Delay application if rain is expected, or protect from rain for up to 12 hours after application.

Ensure that the concrete is clean. Air blast immediately before applying the protective surface treatment to remove all dust or loose particles. Also ensure that application equipment is clean and functioning properly.

Use the manufacturer's recommended methods. Apply at the rate the manufacturer recommends unless that rate causes ponding.

Do not open the bridge to service until trafficked areas are dry enough to sustain traffic without causing damage to the treatment or creating a safety hazard.

D Measurement

The department will measure Protective Surface Treatment Reseal by the square yard, 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
502.3215.S	Protective Surface Treatment Reseal	SY

Payment is full compensation for resealing, including surface preparation and cleaning.
502-055 (20080902)

28. Removing Bearings, B-67-14, Item 506.7050.S.0001; B-67-140, Item 506.7050.S.0002.

A Description

This special provision describes raising the girders and removing the existing bearings, as shown on the plans and as hereinafter provided.

B (Vacant)

C Construction

Raise the structure's girders and remove the existing bearings as shown in the plans.

Obtain prior approval from the engineer for the method of jacking the girders and of supporting them as required.

D Measurement

The department will measure Removing Bearings (Structure) by the unit for each bearing removed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
506.7050.S.0001	Removing Bearings, B-67-14	Each
506.7050.S.0002	Removing Bearings, B-67-140	Each

Payment is full compensation for raising the bridge girders; and for removing the old bearings.

Cost of furnishing and installing the bearings will be paid for under separate bid items.
506-035 (20130615)

29. Labeling and Disposal of Waste Material.

The EPA ID number for Structures B-67-14 and B-67-140 is WIR000155192.
The EPA ID number for Structures B-67-234 and B-67-235 is WIR000155184.

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

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

Report all reportable spills and discharges in accordance to the contingency plan.

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

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

HAZARDOUS WASTE

WW-5257580999-001-01-0

STORAGE LABEL

DOT SHIPPING DESCRIPTION

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

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

EPA CODE: E/D008 STATE: S

WIP#: 391498

WIP DESC: BRIDGE SAND WITH LEAD

DATE ACCUMULATED: 07/01/2005

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

WISC DOT BRIDGE # B-29-53/54

I-94 OVER CTH H

PROJECT # 5882-03-70

CAMP DOUGLAS, WI 54618

(608) 963-0871

GENERATOR EPA ID
WIR000121103

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

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

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

30. Structure Repainting Recycled Abrasive B-67-14, Item 517.1800.S.0001; B-67-140, Item 517.1800.S.0002; B-67-234, Item 517.1800.S.0003; B-67-235, Item 517.1800.S.0004.

A Description

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

A.1 Areas to be Cleaned and Painted

All structural metal surfaces of:

- Structure B-67-14, 16,807 SF.
- Structure B-67-140, 13,702 SF.
- Structure B-67-234, 17,318 SF.
- Structure B-67-235, 17,318 SF.

Areas are approximate and given for informational purposes only.

B Materials

B.1 Coating System

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

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

C Construction

C.1 Surface Preparation

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

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

Upon completion of surface preparation, test representative surfaces, which were previously rusted (i.e. pitted steel) for the presence of residual chloride. Perform Surface Contamination Tests (SCAT) in accordance to the manufacturer's recommendations. The test kits shall be the CHLOR*TEST for chloride, or engineer approved equal, and the tests shall be witnessed by the engineer. If chlorides are detected at levels greater than $7\mu\text{g}/\text{cm}^2$, continue to clean the affected areas until results are below the specified limit. Submit

anticipated testing frequencies and chloride remediation methods to the engineer for review and approval.

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

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

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

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

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

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

C.2 Coating Application

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

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

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

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

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

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

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

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

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

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

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

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

D Measurement

The department will measure Structure Repainting Recycled Abrasive (Structure) as a single complete lump sum unit of work, completed 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
517.1800.S.0001	Structure Repainting Recycled Abrasive B-67-14	LS
517.1800.S.0002	Structure Repainting Recycled Abrasive B-67-140	LS
517.1800.S.0003	Structure Repainting Recycled Abrasive B-67-234	LS
517.1800.S.0004	Structure Repainting Recycled Abrasive B-67-235	LS

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

517-050 (20140630)

31. Negative Pressure Containment and Collection of Waste Materials, B-67-14, Item 517.4500.S.0001; B-67-140, Item 517.4500.S.0002; B-67-234, Item 517.4500.S.0003; B-67-235, Item 517.4500.S.0004.

A Description

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

B (Vacant)

C Construction

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

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

enclosed area, overlap and fasten together all seams. Place groundcovers under all equipment prior to operations or as approved by the engineer.

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

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

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

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

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

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

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

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

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

D Measurement

The department will measure Negative Pressure Containment and Collection of Waste Materials (Structure) as a single complete lump sum unit of work for each structure designated in the contract, completed 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
517.4500.S.0001	Negative Pressure Containment and Collection of Waste Materials B-67-14	LS
517.4500.S.0002	Negative Pressure Containment and Collection of Waste Materials B-67-140	LS
517.4500.S.0003	Negative Pressure Containment and Collection of Waste Materials B-67-234	LS
517.4500.S.0004	Negative Pressure Containment and Collection of Waste Materials B-67-235	LS

Payment is full compensation for designing, erecting, operating, maintaining, and disassembling the containment devices; providing negative pressure exhaust ventilation; collecting, labeling, and for storing spent materials in provided hazardous waste containers. 517-065 (20140630)

32. Portable Decontamination Facility, Item 517.6001.S.**A Description**

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

B Materials

Supply and operate all equipment in accordance to OSHA.

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

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

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

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

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

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

C Construction

Properly contain, store, and dispose of the wastewater.

D Measurement

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

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
517.6001.S	Portable Decontamination Facility	Each

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

517-060 (20140630)

33. Slope Paving Repair Crushed Aggregate, Item 604.9010.S

A Description

Furnish and place crushed aggregate slope paving where erosion has occurred, according to standard spec 604, the plans, and as hereinafter provided.

B Materials

Furnish materials conforming to standard spec 604.2.

C Construction

Replace paragraph (1) of standard spec 604.3.2 with the following:

Place the crushed aggregate on the prepared foundation in areas where erosion has occurred. Shape and consolidate it using mechanical or hand methods to provide a stable, even and uniform surface.

D Measurement

The department will measure Slope Paving Repair Crushed Aggregate by the cubic yard, 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
604.9010.S	Slope Paving Repair Crushed Aggregate	CY

Payment is full compensation for furnishing all excavating and backfilling required to prepare the foundation; disposing of surplus materials; providing, handling, placing, and consolidating the crushed aggregate; providing, handling, heating, and for applying the asphaltic material.

604-010 (20100709)

34. Reseal Crushed Aggregate Slope Paving, Item 604.9015.S.**A Description**

Seal the existing crushed aggregate slope paving in accordance to standard spec 604, as directed by the engineer, and as hereinafter provided.

B Materials

Furnish materials conforming to standard spec 604.2.

C Construction

Clean all debris from the surface of the slope paving before applying asphalt. Apply sufficient asphalt so that it penetrates to seal the top two inches of aggregate; where existing asphalt is closer to the surface of the aggregate, apply less asphalt.

D Measurement

The department will measure Reseal Crushed Aggregate Slope Paving in area by the square yard of slope paving, acceptably resealed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
604.9015.S	Reseal Crushed Aggregate Slope Paving	SY

Payment is full compensation for cleaning the surface; furnishing and applying the asphalt.

604-015 (20100709)

35. Adjusting Inlet Covers.

Add the following text to paragraph to 611.5.1(2):

Removal and replacement of concrete pavement to accomplish the work shall be incidental to the cost of work.

36. Dust Control.

When engaged in roadway cleaning operations, the contractor shall use equipment having vacuum or water spray mechanisms to eliminate the dispersion of particulate matter into the atmosphere. If vacuum equipment is employed, it must have a suitable self-contained particulate collector to prevent discharge from the collection bin into the atmosphere. Payment for cleaning operations and equipment employed in cleaning operations is incidental to the contract.

37. 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.

Add the following to standard spec 637.2.4:

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 six 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.

Add the following to standard spec 637.3.2.1:

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

Add the following to standard spec 637.3.3.2(2):

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

Add the following to standard spec 637.3.3.3(3):

Furnish and install new aluminum vertical sign support beams on each sign and new U-bolts to attach each beam to the top and bottom cord of the sign bridge truss for Type I or Type II Signs and Type I signs on overhead sign supports incidental to sign.
637-SER1 (20120401)

38. Traffic Control.

Add the following to standard spec 643.3.1:

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

Provide the Waukesha County Sheriff's Department, the Wisconsin State Patrol, and the engineer a current telephone number with which the contractor or his representative can be contacted during non-working hours in the event a safety hazard develops.

Do not park or store equipment, vehicles or construction materials within the clear zone as designated in the plans on any roadway carrying traffic during non-working hours except at locations and periods of time approved by the engineer.

Do not permit equipment or vehicles to directly cross the live traffic lanes of the freeway. Yield to all through traffic at all locations. Equip all contractor's vehicles or equipment operating in the live traffic lanes with a hazard identification beam (flashing yellow signal light). Operate the flashing yellow beam only when merging or exiting live traffic lanes or when parked or operating on shoulders.

Obtain prior approval from the engineer for the locations of egress or ingress for construction vehicles to prosecute the work.

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.

The traffic requirements are subject to change at the direction of the engineer in the event of an emergency.

Replace standard spec 643.3.1(6) with the following:

Provide 24-hour a day availability of equipment, forces and materials to promptly restore barricades, lights, or other traffic control devices that are damaged or disturbed. Restore any barricade, light, or other traffic control so that the device is not out of service for more than two hours.

Add the following to standard spec 643.3.6(3):

Place one flashing arrow board in advance of each lane closure taper and place one flashing arrow board within each lane closure taper at locations directed by the engineer.

643-SER1 (20101021)

39. Traffic Control Signs Removal.

Add the following to standard spec 643.3.8.3:

Remove all signs on temporary mounts and other potential associated hazards to the traveling public from the right-of-way when not in use.

SEF Rev. 14_1212

40. Truck or Trailer-Mounted Attenuator, Item 643.1055.S.

A Description

- (1) This special provision describes protecting work operations with a truck or trailer-mounted attenuator (TMA).

B Materials

- (1) Furnish and maintain a TMA conforming to NCHRP Report 350 test level 3 or to MASH crashworthiness criteria. Submit written certification from the manufacturer that the host vehicle/attenuator configuration provided conforms to crashworthiness criteria. Include the federal-aid reimbursement eligibility letter with that submittal.
- (2) Provide a host vehicle and mount the attenuator conforming to the attenuator manufacturer's specifications. Provide the engineer a copy of the manufacturer's specifications and installation instructions.

C Construction

- (1) Coordinate with the engineer at least 72 hours before its intended use so the engineer can determine if the work operation requires TMA protection.
- (2) Position the attenuator at a manufacturer-recommended location in advance of a stationary work operation. Position and maintain the attenuator consistently at the manufacturer-recommended distance from a mobile work operation. Ensure that an operator stays with the host vehicle while protecting a mobile work operation.

D Measurement

- (1) The department will measure Truck or Truck-Trailer-Mounted Attenuator by the day, acceptably completed, measured to the 1/2-day based on the engineer-determined time the attenuator is required to protect work operations. The department will measure 4 or less hours per calendar day as a half day and over 4 hours as a full day.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
643.1055.S	Truck or Trailer-Mounted Attenuator	DAY

- (2) Payment is full compensation for providing the portable attenuator, host vehicle, and operator.
643-015 (20140630)

41. Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch, Item 646.0841.S; 8-Inch, Item 646.0843.S.

A Description

This special provision describes furnishing, grooving and installing preformed wet reflective pavement marking contrast tape for grooved applications as shown on the plans, according to standard spec 646, and as hereinafter provided.

B Materials

Furnish wet reflective pavement marking contrast tape and adhesive material, per manufacturer's recommendation if required, from the department's approved products list.

Furnish a copy of the manufacturer's recommendations to the engineer before preparing the pavement marking grooves.

C Construction

C.1 General

For quality assurance, provide the engineer and the region's Marking Section evidence of manufacturer training in the proper placement and installation of pavement marking contrast tape.

Plane the grooved lines according to details in the plan and per manufacturer's recommendations. Use grooving equipment with a free-floating, independent cutting head. Plane a minimum number of passes to create a grooved surface per manufacturer's recommendations.

C.2 Groove Depth

Cut the groove to a depth of 120 mils $\pm$ 10 mils from the pavement surface or, if tined, from the high point of the tined surface. To measure the depth, the contractor may use a depth plate placed in the groove and a straightedge placed across the plate and groove, or

the contractor may use a straightedge placed perpendicular to the groove. The department may periodically check groove depths.

C.3 Groove Width – Longitudinal Markings

Cut the groove one-inch wider than the width of the tape.

C.4 Groove Position

Position the groove edge according to plan details. Groove a minimum of 4 inches, but not greater than, 12 inches from both ends of the tape segment. Achieve straight alignment with the grooving equipment.

C.5 Groove Cleaning

C.5.1 Concrete

Cooling the cutting head with water may be necessary for some applications and equipment. If cooling water is necessary, flush the groove immediately with high-pressure water after cutting to remove any build-up of cement dust and water slurry. If this is not done, the slurry may harden in the groove.

If water is used in the grooving process, allow the groove to dry a minimum of 24 hours after groove cleaning, and prior to pavement marking application. The groove surface shall be clean and dry before applying the adhesive, and the pavement marking tape. Use a high-pressure air blower with at least 185 ft³/min air flow and 120 psi air pressure to clean the groove; use of the air blower does not decrease the amount of time required for the groove to dry.

C.5.2 New Asphalt

Groove pavement five or more days after paving.

Use a high-pressure air blower with at least 185 ft³/min air flow and 90 psi air pressure to clean the groove.

C.5.3 Existing Asphalt

Check for structural integrity in supporting grooving operations. If the structural integrity of the asphalt pavement is inadequate to support grooving operations, immediately notify the engineer.

Use a high-pressure air blower with at least 185 ft³/min air flow and 90 psi air pressure to clean the groove.

C.6 Tape Application

Apply the tape when both the air and surface temperature are 40 degrees F and rising.

Apply tape in the groove as per manufacturer's recommendations. If manufacturer's recommendations require surface preparation adhesive

- 1) For the Southeast Region and the ozone non-attainment Northeast Region counties of Sheboygan, Manitowoc, and Kewaunee:
 - Apply SPA-60 during May 1 to September 30, both dates inclusive due to Volatile Organic Compound Limitations..
 - Apply P-50 during October 1 to April 30, both dates inclusive. –
- 2) For the remainder counties:
 - Apply either adhesive.

Refer to the manufacturer's instructions for determining when the surface preparation adhesive is set.

Tamp the wet reflective pavement marking contrast tape with a tamper cart roller, with a minimum of a 200-lb load, cut to fit the groove. Tamp a minimum of three complete cycles (6 passes) with grooved modified tamper roller cart.

D Measurement

The department will measure Pavement Marking Grooved Wet Reflective Contrast Tape (Width) for grooved applications in length by the linear foot of tape placed according to the contract and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
646.0841.S	Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch	LF
646.0843.S	Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	LF

Payment is full compensation for cleaning and preparing the pavement surface; furnishing and installing the material; and for removing temporary pavement marking, if necessary.
646-022 (20120615)

42. General Requirements for Electrical Work.

Add the following to standard spec 651.3.3:

(8) Notify the department's Electrical Field Unit at (414) 266-1170 to coordinate the inspection for state owned traffic signals. The department's Region Electrical personnel will perform the inspection for the state owned and maintained traffic signals.

43. Install Conduit Into Existing Item, Item 652.0700.S.

A Description

This special provision describes installing proposed conduit into an existing manhole, pull box, junction box, communication vault, or other structure.

B Materials

Use nonmetallic conduit, as provided and paid for under other items in this contract. Furnish backfill material, topsoil, fertilizer, seed, and mulch conforming to the requirements of pertinent provisions of the standard specifications.

C Construction

Expose the outside of the existing structure without disturbing existing conduits or cabling. Drill the appropriate sized hole for the entering conduit(s) at a location within the structure without disturbing the existing cabling and without hindering the installation of new cabling within the installed conduit. Fill void area between the drilled hole and conduit with an engineer-approved filling material to protect against conduit movement and entry of fill material into the structure. Tamp backfill into place.

D Measurement

The department will measure Install Conduit Into Existing System by the unit, acceptably installed. Up to five conduits entering a structure per entry point into the existing structure will be considered a single unit. Conduits in excess of five, or conduits entering at significantly different entry points into the existing pull box, manhole, or junction box will constitute multiple units of payment.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
652.0700.S	Install Conduit Into Existing Item	Each

Payment is full compensation for excavating, drilling holes; furnishing and installing all materials, including bricks, coarse aggregate, sand, bedding, and backfill; for excavating and backfilling; and for furnishing and placing topsoil, fertilizer, seed, and mulch in disturbed areas; for properly disposing of surplus materials; and for making inspections.
652-070 (20100709)

44. Electrical Wiring.

Replace standard spec 655.3.1 paragraph (3) with the following:

(3) For all cables entering each pull box, except loop detector lead in cables, provide an extra loop, approximately 16 feet in length, to remain in each pull box. This loop of cable is in addition to the amount needed to reach from the entrance conduit raceway end to the opening in the exiting conduit raceway.

45. Freeway Lighting System – WisDOT Owned Systems.

General

Revise standard specs 651, 652, 653, 654, 655, 656, 657 and 659 as follows.

All the work necessary to comply with revisions to standards specifications mentioned herewith shall be incidental to associated pay items or to the project including coordination, materials, and labor. No additional payment shall be made to the contractor.

Add the following to standard spec 651.2:

Materials indicated to be returned to the department shall be hauled to one of the following two locations:

1. State Electrical Shop at 935 South 60th street, West Allis, as directed by Mr. Mike Prebish, tel. (414) 266-1170.
2. Milwaukee County Grounds, 10191 West Watertown Plank Road, Wauwatosa, as directed by Mr. Pat Stoetzel, tel. (414) 750-5306.

Arrange pickups and deliveries three days in advance and during regular business hours (Monday – Thursday 7:00 AM to 3:45 PM).

Add the following to standard spec 651.3.1:

Any circuit that the contractor does not personally tag out at the disconnect shall be 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. The department does not employ a load dispatcher and has no intent to do so. Each electrical worker is responsible for their own protection from automatic switching and from switching by others.

The plans show required disconnections of existing lighting circuits, most in the form of abandoning existing underground conductors in place. The contractor may need to mobilize several times per each existing lighting distribution center. The contractor is expected to build these costs into the various paid items for removals and installations.

Replace all existing slotted junction box cover screws with stainless hex head cover screws at each location where it is required to open the cover of an existing lighting junction box.

Add the following to standard spec 651.5:

Work to disconnect and connect conductors will be incidental to the paid measurement of footage.

There will be no measurement for payment for abandoning conductors or removing conductors for scrap.

Work to disconnect and connect electrical system, splice through, or to connect conductors are incidental to the installation or removal of the freeway lighting pay items included in this contract. The department will not measure conductors or conduits that have been abandoned in place or removed for scrap. The department will allow, at the contractor's discretion, for the salvaging of conductors to be abandoned, if possible.

The department will not measure for the removal of electrical facilities; except, the department will measure and pay for the removal and disposal of lamps from sign bridges, as shown on the plans, using bid item Lamp Disposal High Intensity Discharge.

Add the following to standard spec 652.3.1:

Install minimum 3-inch diameter PVC conduit elbows in a ground mounted concrete bases to accommodate Cable in Duct (CID) type cable.

Add the following to standard spec 652.3.1.2:

Furnish and install an UL-listed liquid tight flexible metallic conduit transition wherever a conduit exits from below grade.

Furnish a UL-listed fitting appropriate for the purpose at each transition from one type of conduit to another type. Couplings will not be individually measured for payment.

Add the following to standard spec 652.3.1.4:

Support conductors at the top of the vertical raceway or as close as practical if the vertical rise exceeds 40-feet. Provide additional supports as shown; in no case shall the distance between supports exceed that shown in Table 300.19(A) of the Wisconsin State Electric Code.

Add the following to standard spec 653.3(1):

This provision modifies the standard detail drawing for pull boxes and thereby both the standard items and SPV pay item for pull boxes. Lighting pull box covers shall read "LIGHTING".

Add the following to standard spec 655.3.1:

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 pull box splices with engineer approved epoxy kit.

At each pull point or access point, indicate the line side bundle with a lap of blue tape.

Add the following to standard spec 655.3.7(4):

Where two or more wire networks pass through a pull point, tag each circuit network (i.e. A/B/N and C/D/N) with approved all-weather tags.

Add the following to standard spec 657.2.2.1.1:

Non-breakaway poles (mounted on structures, concrete bases or behind noise wall barriers without transformer base), as well as at stems of sign bridges containing electrical wires are to be double nutted and contractor shall install galvanized rat screen enclosing the bottom of pole area; extra nuts and screen incidental.

For Bridge mounted light poles, a vibration isolation mounting pad shall be included with the pole. The pad shall have the same shape as the bottom of the pole base with appropriate bolt holes and opening for the center of the pole. Included with the pad shall be four washers. The pad and washers shall be made from a rugged elastomeric material with a minimum thickness of 1/2 in (13 mm) or as recommended by the manufacturer. The ultimate breakdown of the pad and washers under compressive load shall be not less than 10,000 psi (69,000 kPa) for the specified thickness without extrusion or detrimental reduction in thickness. The material shall also have a Shore-A Durometer reading of not less than 85. The isolation washers shall be installed with galvanized steel washers of the same diameter and adequate thickness top and bottom to prevent overstressing of the isolation washer.

Add the following to standard spec 657.3.1 and 657.3.5:

Corrosion protection measures described in standard specs 657.3.1 and 657.3.5 are invoked for breakaway transformer bases and aluminum light poles. The contractor shall avoid contact of dissimilar metals in erecting the pole on its foundation and/or breakaway device. Any concern of trapped moisture or potential corrosion cell shall be resolved to the satisfaction of the engineer.

Add the following to standard spec 659.2.2:

(2) **Vibration Testing:** The contractor shall submit testing report for each type of luminaire complying vibration test ANSI C136.31 requirements. All luminaires mounted on a bridge structure and high mast luminaires shall be rated for “3G” minimum peak acceleration. The “3G” rated luminaire shall be provided with a grip or suitable device to hold the lamp against vibration. In order to be accepted, the luminaire housing, hardware, and each individual component shall pass this test with no noticeable damage and the unit must remain fully operational after testing.

(3) **Independent Testing:** When a Project has 30 or more luminaires of the same type, that luminaire type shall be independently tested. For each luminaire type requiring independent testing, one luminaire plus one additional luminaire for each additional 50 luminaires shall be tested. The contractor shall coordinate the independent testing and

propose a qualified independent agent, familiar with the luminaire requirements and test procedures, for approval by the engineer, to witness the required tests as performed by the luminaire manufacturer.

The independent witness shall select from the project luminaires at the manufacturer's facility or at the contractor's storage facility, the luminaires for testing. In all cases, the selection of luminaires shall be a random selection from the entire completed lot of luminaires required for the contract. Selections from partial lots will not be allowed. The selection of the proposed independent witness (independent laboratory as required) shall be presented with the information submitted for approval. The testing performed shall include photometric and electrical testing.

Photometric testing shall be according to IES recommendations and as a minimum, shall yield an isofootcandle chart, with max candela point and half candela trace indicated, an isocandela diagram, maximum planned and maximum cone plots of candela, a candlepower table (House and street side), a coefficient of utilization chart, a luminous flux distribution table, BUG rating report, and complete calculations based on specified requirements and test results.

Electrical testing shall conform to NEMA and ANSI standards and, as a minimum, shall yield a complete check of wiring connections; a ballast dielectric test; a ballast transient voltage test; total ballast losses in watts and percent of input; a lamp volt-watt trace; regulation data; a starter test; lamp current crest factor; power factor (minimum over the design range of input voltage at nominal lamp voltage); and a table of ballast characteristics showing input amperes, watts and power factor, output volts, amperes, watts and lamp crest factor, as well as ballast losses over the range of values required to produce the lamp volt-watt trace. For LED luminaires provide a table of characteristics showing input amperes, watts, power factor, total harmonic distortion and LED drive current.

The summary report and the test results shall be certified by the independent test laboratory or the independent witness, as applicable, and shall be sent by certified mail directly to the engineer. A copy of this material shall be sent to the contractor at the same time. Should any of the tested luminaires of a given distribution type and wattage fail to satisfy the specifications and perform according to approved submittal information, the luminaire of that distribution type and wattage shall be unacceptable and be replaced by alternate equipment meeting the specifications with the submittal and testing process repeated in their entirety; or corrections made to achieve required performance. In the case of corrections, the contractor shall advise the engineer of corrections made and shall request a repeat of the specified testing and, if the corrections are deemed reasonable by the engineer, the testing process shall be repeated. The number of luminaires to be tested shall be the same quantity as originally tested.

Submittal information shall include a statement of intent to provide the testing as well as a request for approval of the chosen laboratory.

(4) **Testing Documentation Requirements:** Certified test reports with the above results shall be supplied for each shipment. Certified test reports shall include the following identification information:

1. Manufacturer's name
2. Type of luminaires
3. Quantity of luminaires
4. A copy of shipping ticket
5. Manufacturer's lot number

Preparation for Delivery: Luminaires shall be packaged in accordance to the standard commercial practices in the industry. Each shipping container shall be clearly marked to indicate contents, the manufacturer, manufacturing date, make, model, electrical ratings, purchase order number and contract number.

(5) **Manufacturer's Warranty for LED luminaires:** The manufacturer shall warrant to the department that each complete luminaire (consisting of the housing, optical assembly, LED drivers, surge protection and wiring) will be free from defects in material and workmanship for five years from the date that the luminaire are put into service. Luminaires shall be installed within one year of manufacture.

If any luminaires fail to meet the above warranty, the department will provide the manufacturer with a written notice of any defect within thirty (30) days after discovery of the defect. The manufacturer shall provide all materials, luminaires, replacement component parts, and all incidentals necessary to restore the luminaire to a fully operational, installed condition.

(6) **Submittal Requirements for LED luminaires:** Considering the rapid advancement in LED technology, the overall project construction and duration of construction, within 10 calendar days after contract execution, the contractor is responsible to coordinate the lead time for LED luminaires purchase and installation schedule for LED luminaires with the engineer and the department's Lighting Engineer, Eric Perea, at eric.perea@dot.wi.gov or at (262) 574-5422 prior to order LED luminaires. The LED luminaires purchasing may be done during later stage of construction as directed by the department which shall not delay the construction.

Add the following to standard spec 659.3:

Install Plaques Light Pole on all poles located in the median at a mounting height of 6-inch above the highest adjacent safety barrier or obstruction.

High mast tower luminaires shall be 1000 Watts, High Pressure Sodium, M-C-II type distribution.

Add the following to standard spec 659.3.1:

Contractor shall be responsible to provide adequate temporary roadway lighting during all the construction stages not shown on the temporary lighting plans, but which are necessitated by field conditions or by any construction phasing changes. Installation of temporary lighting not shown on temporary lighting plans shall be paid according to appropriate pay items included in this contract. Contractor shall be responsible to submit a redline markup plans for any additional temporary lighting to the engineer for approval prior to installation.

46. Temporary Traffic Signals for Intersections IH 94 EB Ramps and STH 164/CTH J, Item 661.0200.3001; IH 94 WB Ramps and STH 164/CTH J, Item 661.0200.3002.

Replace standard spec 661.2.1 paragraph (3) with the following:

(3) Use the existing underground electric service and/or meter breaker pedestal for the operation of the Temporary Traffic Signal at the IH 94 WB Ramps and STH 164/CTH J. The department will pay for all energy costs for the operation of the Temporary Traffic Signal.

The department has initiated the installation of the temporary electrical service with the electrical utility at the intersection of IH 94 eastbound Ramps and STH 164/CTH J to expedite the process. Contact Parwinder Virk at (262) 548-6717 to coordinate the temporary electrical service. The department will pay for all installation and energy costs associated with the operation of the temporary traffic signal. Contact the electrical utility and arrange timely installation of the temporary service.

Add the following to standard spec 661.2.1:

(5) Use the existing stop signs located on existing traffic signal poles and sign poles during switch over of the signal service whenever a generator is used. Placement of signs shall be in accordance to the MUTCD, Signing Guidelines Manual and Work Zone Safety Guide.

Add the following to standard spec 661.2.1:

(5) Furnish all temporary traffic signal equipment as shown on the plan. The signal controller shall be capable of operating with the temporary non-intrusive vehicle detection system and Emergency Vehicle Preemption (EVP) system. All wood poles shall be plumb and level. Provide primary and secondary temporary traffic signal contact names and phone numbers who will be responsible for implementing temporary traffic signal timing changes. The department may request traffic signal timing changes to an approved incident timing plan during the project. Implement any approved incident timing plan immediately upon notification of the change and immediately upon notification of switching the timing plan back to normal operation. Immediately notify the department of implementation of temporary traffic signal timing changes. Record the times of operation of the incident

timing and subsequent return to normal operation and provide this information to the department.

Replace standard spec 661.3.1.1(2) with the following:

(2) Place the pole in the ground to no less than 1/5 of the pole's length as the plans show. Sawcut existing pavement and concrete curb and gutter as needed to install the wood poles and guy wire anchors. Sawcut existing pavement in accordance to the pertinent provisions in Section 690.3, Construction. Remove pavement and concrete curb and gutter as shown on the plans and if needed to install the wood poles and guy wire anchors. Remove only as much pavement as needed to install the wood poles. Remove pavement and curb and gutter in accordance to the pertinent provisions in standard spec 204.3, Construction. Hold any wood poles in place and/or move wood poles during construction due to conflicts with proposed work.

Replace standard spec 661.3.1.4(1) with the following:

(1) Arrange for every other week inspections with the engineer to check the height of the span wire above the roadways to ensure that the bottom of the traffic signal heads remain within the minimum and maximum heights allowed above the roadway. Make all height adjustments within 1-hour of an inspection indicating that adjustments are required. Notify the engineer in writing upon completion of all necessary adjustments. Maintain a written log to properly document the date of each every other week inspection, the heights above the roadway, the roadway clearance after adjustments have been made and acceptance by the engineer. Provide all documentation related to the every other week span wire height checks as well as all records related to maintenance performed on the temporary traffic signal installations to the engineer.

Replace standard spec 661.5(2) with the following:

(2) Payment for the Temporary Traffic Signals for Intersections bid item is full compensation for providing, operating, maintaining, and repairing the complete temporary installation; and for removal. Payment also includes the following:

1. Furnishing and installing the replacement equipment.
2. The cost of delivery and pick-up of the cabinet assemblies.
3. Removal of service and site restoration.

Payment is full compensation for drilling holes; furnishing and installing all materials, including bricks, and coarse aggregate; for excavation, bedding, and backfilling, including any sand or other required materials; furnishing and placing topsoil, fertilizer, seed, and mulch in disturbed areas; for properly disposing of surplus materials; for making inspections; for performing any and all maintenance related to the temporary traffic signal installation; for making any and all timing changes requested by the department; for cleaning up and properly disposing of waste; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

47. Ramp Closure Gates Hardwired 32-FT, Item 662.1032.S; Ramp Closure Gates Hardwired 37-FT, Item 662.1037.S; Ramp Closure Gates Hardwired 40-FT, Item 662.1040.S.

A Description

This special provision describes providing hardwired freeway on-ramp closure gates on type 5 steel luminaire poles. This special provision also describes furnishing and delivering spare gate arms and flashers.

B Materials

B.1 General

Provide five user manuals and a listing of vendors and contact information for each manufactured component including flasher electrical components.

The engineer may allow alternates equal to specified manufactured components. The engineer may require plan detail modifications to accommodate alternates. The engineer may accept alternate arms or mounting adaptors only if the contractor can demonstrate that the department can easily remove and replace the arms.

B.2 Components

Furnish type 5 steel poles designed to carry twin 15-foot luminaire arms and conforming to standard spec 657 and with dimensions for acceptable installation of the ramp gate hardware as shown on the detail. Ensure a contiguous pole by eliminating the hand hole near base of pole, thus allowing uninhibited mounting of the gate pivot assembly.

Furnish galvanized steel nuts and bolts conforming to ASTM A307 except where designated as high strength (HS), conform to ASTM A325. For the ramp closure gate locking mechanism, furnish a handle nut to fit on a 3/4-inch.

Furnish grade A36 steel for the gate supports, gate pivot assembly, and associated hardware galvanized after fabrication by either a mechanical or hot-dip process. Grind welded connections, rough edges, and burrs smooth before galvanizing to ensure a finished appearance. Ensure that the galvanized coating conforms to ASTM A 153.

Provide aluminum/fiberglass gate arms of the nominal length the bid item indicates and conforming to plan dimensions. Cover gate arms on two sides with alternating red and white shop-applied type H reflective from the department's approved products list. Also provide a shear pin base that is the manufacturer's "permanent pivot" style. Obtain components from:

B&B Roadway
15191 Hwy 243
Russellville, AL 35654
Tel: (888) 560-2060

Gate arm: model MU605

Furnish a worm gear winch with a single line vertical lift capacity of 2000 lbs. Ensure that the winch has hardened steel gears, a handgrip, permanently lubricated bearings, a reinforced arc-welded reel assembly, and mounting plate. Ensure that the winch can be mounted to the winch mount plate shown on the construction details and the handgrip can be operated without conflict with the pole or ramp gate assembly. Furnish a 2-inch outdoor rated, rot resistant polyester strap for the connection between the worm gear winch and the gate arm pivot assembly.

Furnish hardwire power system and connections conforming to the following:

1. Cabinet

Furnish cabinet assemblies, power wire terminal strips, and power supplies for the on-ramp closure gate systems.

The cabinet shall be the following dimensions: 9-inches wide, 15-inches high, and 5-inches deep.

Minimum wall thickness of the aluminum castings shall be 3/16-inch.

Cabinet body shall have a cast rain hood over the top of the door opening.

Hinges shall consist of 3/6-inch diameter pins in cast hinge bosses that allow door to swing no less than 180° when open.

Cabinet shall be capable of being field prepared for top, bottom, or rear mounting and wire entrance holes.

Set screws shall be stainless steel.

Assembly shall be water resistant by the door flange in full contact with and compressing a neoprene gasket held by an adhesive to a groove cast into the cabinet body.

The cabinets shall consist of a cabinet body, door, and latch cast from aluminum alloy 319 or approved equivalent. The door lock shall be a standard police lock reinforced with a steel plate which is keyed the same as the standard traffic control cabinets. The cast shall be free of voids, pits, dents, molding sand, and excessive foundry grinding marks. All radii shall be smooth and intact. Exterior and interior surfaces shall be smooth and cosmetically acceptable, free of molding fins, cracks, and other blemishes.

The aluminum shall meet the following minimum requirements:

- Yield Strength – 18 ksi
- Tensile Strength – 27 ksi
- Brinell Hardness – 70
- Elongation (% in 2 inches) – 2

The assembly shall have an alodine conversion coating to provide corrosion resistance and a proper base for paint adhesion.

Furnish a stainless steel or anodized steel mounting adapter plate to mount the cabinet to a pole with stainless steel banding straps.

2. Power Converter

Furnish the cabinet with a 120 VAC to 12 VDC power converter.

Furnish the cabinet with a 10 position terminal block for the 12 VDC power distribution. Power wire terminal strips 10 position feed-through terminal blocks UL recognized for No. 22 AWG wire through No. 16 AWG wire and UL rated for 15 amps. The terminals shall be tin-plated brass with brass clips and clamps.

Furnish gate flasher assemblies conforming to the following:

1. A 2-conductor connector, rated 12 volts at 5 amps minimum.
2. A 2-amp weather resistant in-line fuse and fuse holder.
3. Wiring harness made from 6-conductor 14 AWG stranded insulated control cable.
4. A 12 V flasher controller, capable of providing LED flashers with 5% to 100% duty cycle at a one-second pulse repetition rate.
5. A 4-conductor male/female electrical connector pair, 10 amp capacity for each connection, weather resistant, and mounted to allow rapid gate arm replacement.
6. A 5-amp mercury switch with less than 3 ohms "on" resistance and a 20 to 30 degree activation angle. Mount the switch on the gate arm to activate the flashers when the gate arm is lowered more than 45 degrees from vertical.
7. Furnish red LED flashers meeting the requirements of the MUTCD and/or AREMA standards for hue and brightness.

Power consumption	0.45 amp @ 10.5 V
Life expectancy	100,000 hrs
Directionality	0-degree cone orthogonal to face of flasher
Compliance temperature	-40° C to +70° C

Furnish electrical wires with jackets conforming to the following color scheme throughout the ramp closure gate system:

- Hot = Black or Red
- Neutral = White
- Ground = Green

Furnish a weatherproof hardened steel padlock with a minimum 2 1/4-inch shackle height and user programmable 4-digit combination.

C Construction

C.1 Ramp Closure Gates

Under the Ramp Closure Gates bid items, provide ramp closure gate at the locations the plans show. Apply marine grade anti seize compound compound to all bolt threads and to the interface between the aluminum base and steel pole. The engineer may direct adjustment of the gate arm assembly to ensure the correct vertical and angular orientation of the completed closure gate.

Install cabinet with power supply, flasher controller, and other components. Connect the 120 VAC to 12 VDC power supply to the circuit breaker in the breaker disconnect box. Connect the 120 VAC to 12 VDC power supply to the 10-position terminal block and connect the 12 VDC components to the terminal block.

Connect the 12 VDC terminal strip to the wiring harness through the female side of a 2-terminal polarized electrical connector. Connect male side of this connector to the flasher controller and the female side of a weatherproof polarized 4-conductor electrical connector.

Attach the male side of the 4 conductor electrical connector, mercury switch, wiring harness, and the three LED flasher units to the portion of the flasher assembly mounted on the breakaway portion of the gate arm. Adjust mercury switch so that as the gate arm is lowered to a maximum of 45 degrees from the vertical, the gate flasher assembly is energized, and the LEDs begin to flash. Ensure that when the gate arm is raised to a minimum of 15 degrees from vertical, the mercury switches the gate flasher assembly off.

Install structure identification plaques in the location the plan details show.

D Measurement

The department will measure the Ramp Closure Gates Hardwired bid items as each individual installation, 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
662.1032.S	Ramp Closure Gates Hardwired 32-FT	Each
662.1037.S	Ramp Closure Gates Hardwired 37-FT	Each
662.1040.S	Ramp Closure Gates Hardwired 40-FT	Each

Payment for the Ramp Closure Gate Hardwired bid items is full compensation for providing ramp closure gates including support poles; for gate arm assemblies including guides, collars, and gate arms; for cabinets, wiring, and power converters; for structure identification plaques; for gate flashers; and for padlock.
662-005 (2014630)

- 48. Ramp Closure Gates Solar 28-FT, Item 662.2028.S; Ramp Closure Gates Solar 30-FT, Item 662.2030.S; Ramp Closure Gates Solar 37-FT, Item 662.2037.S; Ramp Closure Gates Solar 40-FT, Item 662.2040.S; Ramp Closure Gate Arms Stockpile 28-FT, Item 662.3028.S; Ramp Closure Gate Arms Stockpile 30-FT, Item 662.3030.S; Ramp Closure Gate Arms Stockpile 32-FT, Item 662.3032.S; Ramp Closure Gate Arms Stockpile 37-FT, Item 662.3037.S; Ramp Closure Gate Arms Stockpile 40-FT, Item 662.3040.S; Ramp Closure Gate Flashers Stockpile, Item 662.4000.S.**

A Description

This special provision describes providing solar-powered freeway on-ramp closure gates on type 5 steel luminaire poles. This special provision also describes furnishing and delivering spare gate arms and flashers.

B Materials

B.1 General

Provide five user manuals and a listing of vendors and contact information for each manufactured component including flasher electrical components.

The engineer may allow alternates equal to specified manufactured components. The engineer may require plan detail modifications to accommodate alternates. The engineer may accept alternate arms or mounting adaptors only if the contractor can demonstrate that the department can easily remove and replace the arms.

B.2 Components

Furnish type 5 steel poles designed to carry twin 15-foot luminaire arms and conforming to standard spec 657 and with dimensions for acceptable installation of the ramp gate hardware as shown on the detail. Ensure a contiguous pole by eliminating the hand hole near base of pole, thus allowing uninhibited mounting of the gate pivot assembly.

Furnish galvanized steel nuts and bolts conforming to ASTM A307 except where designated as high strength (HS), conform to ASTM A325. For the ramp closure gate locking mechanism, furnish a handle nut to fit on a 3/4-inch bolt.

Furnish grade A36 steel for the gate supports, gate pivot assembly, and associated hardware galvanized after fabrication by either a mechanical or hot-dip process. Grind welded connections, rough edges, and burrs smooth before galvanizing to ensure a finished appearance. Ensure that the galvanized coating conforms to ASTM A 153.

Provide aluminum/fiberglass gate arms of the nominal length the bid item indicates and conforming to plan dimensions. Cover gate arms on two sides with alternating red and white shop-applied type H reflective from the department's approved products list. Also provide a shear pin base that is the manufacturer's "permanent pivot" style. Obtain components from:

B&B Roadway
15191 Hwy 243
Russellville, AL 35654
Tel: (888) 560-2060

Gate arm: model MU605

Furnish a worm gear winch with a single line vertical lift capacity of 2000 lbs. Ensure that the winch has hardened steel gears, a handgrip, permanently lubricated bearings, a reinforced arc-welded reel assembly, and mounting plate. Ensure that the winch can be mounted to the winch mount plate shown on the construction details and the handgrip can be operated without conflict with the pole or ramp gate assembly. Furnish a 2-inch outdoor rated, rot resistant polyester strap for the connection between the worm gear winch and the gate arm pivot assembly.

Furnish solar power system and batteries conforming to the following:

1. Cabinet

The cabinet shall be manufactured of 0.125-inch sheet aluminum. Nominal cabinet dimensions shall be 26.25 inches high by 15.5 inches wide by 14.75 inches deep. The cabinet shall be a two-compartment type; the bottom compartment shall have a neoprene gasket seal so as to prevent battery gases from seeping into the top compartment. The cabinet shall have wire screened insect proof louvers on each side of both compartments for ventilation. The louvers shall be designed to not allow any rain to enter the cabinet. On the bottom of the cabinet there shall be two screened insect proof drain holes.

The door shall be a single unit with a continuous piano hinge riveted to the door and the cabinet. The door shall incorporate a neoprene gasket which, when closed, forms a snug weather tight seal. The door lock shall be a standard police lock reinforced with a steel plat which is keyed the same as the standard traffic control cabinets.

Each cabinet shall be equipped with the necessary rigid back wall for mounting to a traffic signal standard. The cabinet shall have a 1-inch diameter cable entry hole at each mounting location on the back.

2. Control Panel

The control panel containing the electronics shall be mounted in the top compartment of the cabinet using bolts with wing nuts. The solar panel and battery shall be connected directly to the solar charge controller terminals. All modular components shall be easily removed for replacement or maintenance.

The solar panels, load, and battery shall be fused.

Furnish the cabinet with a 10 position terminal block for the 12 VDC power distribution. Furnish power wire terminal strips 10 position feed-through terminal blocks UL recognized for No. 22 AWG wire through No. 16 AWG wire and UL rated for 15 amps. The terminals shall be tin-plated brass with brass clips and clamps.

3. Solar Charge Controller

The solar charge controller shall control battery charging through pulse width, modulated, temperature compensating, constant charging algorithm. The solar charge controller shall have both a low voltage disconnect (LVD) of 11.4 VDC and a high voltage disconnect (HVD) of 15.5 VDC. A liquid crystal display (LCD) of battery voltage, solar array current, and load current shall be available with the solar charge controller. In addition, colored LEDs shall display battery state. A green LED shall indicate full charge, amber LED shall indicate half charge, and a flashing red LED shall indicate low charge. A solid glowing red LED shall indicate the load has been disconnected. A separate green LED shall indicate the battery is being charged.

The solar charge controller shall have a load disconnect pushbutton. When the load is disconnected the button shall glow red.

The solar charge controller shall be capable of operating in a temperature range of 40° C and +85° degrees C.

Wire terminations to the solar charge controller shall be accomplished using Euro style terminations.

4. Solar Panel

The solar panel shall be a 50-watt high efficiency, single crystal silicon solar cells that are laminated to glass with layers of ethylene vinyl acetate (EVA). The panel shall be self-cleaning, impact resistant, highly transmissive, tempered glass superstrate. The panel module frame shall be made of extruded, polymer coated aluminum alloy or similar approved construction. The panel module junction box shall be a UV resistant, weatherproof wire termination system that handles #14 AWG to #8 AWG wiring. The minimum wattage for the system shall be determined by the supplier, with design calculations submitted with the bid.

5. Solar Panel Mount

The solar panel mounting system shall consist entirely of non-corrosive materials, including aluminum brackets and zinc-plated hardware. The solar panel shall be mounted at angle of 60 degrees from horizontal, shall mount to a pole with a nominal diameter of 4-inches, and shall be designed for minimum of 30 pound per square foot.

6. Battery

The battery shall be a 99-amp-hour type 31 AGM maintenance-free, deep cycle, 12 volt DC battery. It shall contain valve regulation with a self-discharge rate of 1% per month or less (at 20° C). The battery shall utilize T881 terminals. The positive terminal shall be covered with a rubber boot to protect the battery from accidental shorting. Place dielectric grease on battery terminals.

Furnish gate flasher assemblies conforming to the following:

1. A 2-conductor battery connector, rated 12 volts at 5 amps minimum.
2. A 2-amp weather resistant in-line fuse and fuse holder.
3. Wiring harness made from 6-conductor 14 AWG stranded insulated control cable.
4. A 12 V flasher controller, capable of providing LED flashers with 5% to 100% duty cycle at a one-second pulse repetition rate.
5. A 4-conductor male/female electrical connector pair, 10 amp capacity for each connection, weather resistant, and mounted to allow rapid gate arm replacement.
6. A 5-amp mercury switch with less than 3 ohms “on” resistance and a 20 to 30 degree activation angle. Mount the switch on the gate arm to activate the flashers when the gate arm is lowered more than 45 degrees from vertical.
7. Furnish red LED flashers meeting the requirements of the MUTCD and/or AREMA standards for hue and brightness.

Power consumption	0.45 amp @ 10.5 V
Life expectancy	100,000 hrs
Directionality	0-degree cone orthogonal to face of flasher
Compliance temperature	-40° C to +70° C

Furnish electrical wires with jackets conforming to the following color scheme throughout the ramp closure gate system:

- From Solar Panel to Controller Cabinet
 - Positive = Blue
 - Negative = White

- From Controller Cabinet to Gate Arm Flashers
 - Common = White
 - Flasher Circuit #1 = Red
 - Flasher Circuit #2 = Blue

Furnish a weatherproof hardened steel padlock with a minimum 2 1/4-inch shackle height and user programmable 4-digit combination.

C Construction

C.1 Ramp Closure Gates

Under the Ramp Closure Gates bid items, provide ramp closure gate at the locations the plans show. Apply marine grade anti seize compound to all bolt threads and to the interface between the aluminum base and steel pole. The engineer may direct adjustment of the gate arm assembly to ensure the correct vertical and angular orientation of the completed closure gate.

Install the solar power system and battery as the plans show. The engineer may direct adjustment of the solar power unit to ensure the correct orientation to the sun.

Connect the battery to the wiring harness through the female side of a 2-terminal polarized electrical connector. Connect male side of this connector to the flasher controller and the female side of a weatherproof polarized 4-conductor electrical connector.

Attach the male side of the 4 conductor electrical connector, mercury switch, wiring harness, and the three LED flasher units to the portion of the flasher assembly mounted on the breakaway portion of the gate arm. Adjust mercury switch so that as the gate arm is lowered to a maximum of 45 degrees from the vertical, the gate flasher assembly is energized, and the LEDs begin to flash. Ensure that when the gate arm is raised to a minimum of 15 degrees from vertical, the mercury switches the gate flasher assembly off.

Install structure identification plaques in the location the plan details show.

C.2 Furnishing Gate Arms

Under the Ramp Closure Gate Arms Stockpile bid items, furnish and deliver spare arms of the nominal length the bid item indicates conforming to B.2. Deliver spare gate arms to an address provided by:

Dennis Cauley
(414) 226-1170

C.3 Furnishing Flashers

Under the Ramp Closure Gate Flasher Stockpile bid item, furnish and deliver spare gate flasher assemblies conforming to B.2. Deliver spare gate arms to an address provided by:

Dennis Cauley
(414) 226-1170

D Measurement

The department will measure the Ramp Closure Gates Solar bid items as each individual installation, acceptably completed.

The department will measure the Ramp Closure Gate Arms Stockpile bid items and Ramp Closure Gate Flashers Stockpile as each individual unit, acceptably furnished and delivered.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
662.2028.S	Ramp Closure Gates Solar 28-FT	Each
662.2030.S	Ramp Closure Gates Solar 30-FT	Each
662.2037.S	Ramp Closure Gates Solar 37-FT	Each
662.2040.S	Ramp Closure Gates Solar 40-FT	Each
662.3028.S	Ramp Closure Gate Arms Stockpile 28-FT	Each
662.3030.S	Ramp Closure Gate Arms Stockpile 30-FT	Each
662.3032.S	Ramp Closure Gate Arms Stockpile 32-FT	Each
662.3037.S	Ramp Closure Gate Arms Stockpile 37-FT	Each
662.3040.S	Ramp Closure Gate Arms Stockpile 40-FT	Each
662.4000.S	Ramp Closure Gate Flashers Stockpile	Each

Payment for the Ramp Closure Gate Solar bid items is full compensation for providing ramp closure gates including support poles; for gate arm assemblies including guides, collars, and gate arms; for cabinets, wiring, and power converters; for structure identification plaques; for gate flashers; and for padlock.

Payment for the Ramp Closure Gate Arms Stockpile is full compensation for furnishing and delivering spare ramp closure gate arms.

Payment for the Ramp Closure Gate Flashers Stockpile is full compensation for furnishing and delivering ramp spare closure gate flasher assemblies.

662-010 (20140630)

SEF Rev 14_1211

49. Intelligent Transportation Systems (ITS) – Control of Materials.

Standard spec 106.2 – Supply Source and Quality

Supplement standard spec 106.2 with the following:

The department will furnish a portion of equipment to be installed by the contractor. This department-furnished equipment includes the following:

Department-Furnished Items
Ethernet Switch
12-Count Fiber Optic Termination Panel
Media Converter

Pick-up small department-furnished equipment, such as communications devices, cameras, and controllers, from the department's Statewide Traffic Operations Center (STOC), 433 W. St. Paul Ave., Milwaukee, WI 53203 at a mutually agreed upon time during normal state office hours. Contact the department's STOC at (414) 227-2166 to coordinate pick-up of equipment.

Large department-furnished equipment, such as camera poles will be delivered by the supplier to a contractor-controlled site within Waukesha County. Delivery will not necessarily be in a "just in time" manner. Store the equipment until field installation. Provide location details and a contact for delivery coordination upon receiving the contract's Notice to Proceed.

Transportation of the equipment between the electric shop and the field or interim location(s) shall be the responsibility of the contractor.

Standard spec 106.3 – Approval of Materials

Supplement standard spec 106.3 with the following:

Design/Shop Drawings

Prior to the purchase and/or fabrication of any of the components listed herein, and for any non-catalog item shown on the Material and Equipment List specified above, and no more than 30 days after notice to proceed, submit five copies of design drawings and shop drawings, as required, to the department for review. The items and the drawings that represent them shall meet the requirements of the standard specifications.

Design drawing submissions shall consist of signed and certified designs, design drawings, calculations, and material specifications for required items.

Shop drawings will be required for, but not limited to the following:

1. Mounting assemblies for the vehicle speed and classification sensors, including their attachment to the structure.
2. Mounting LED warning signs to the sign structure.
3. Mounting detail for dynamic message signs.
4. Any contractor-designed structure or foundation.

The department will complete its review of the material within 30 days from the date of receipt of the submission, unless otherwise specified. The department will advise the contractor, in writing, as to the acceptability of the material submitted. The department may determine that if no exceptions were taken for the item, it is approved, and no further action is required by the contractor; or the item may be partially or totally rejected, in

which case modify and/or amend the submittal as required by the department and resubmit the item within 14 days. At this time, the review and approval cycle described above will begin again.

670-005 (20100709)

50. Intelligent Transportation Systems – General Requirements.

A Description

A.1 General

This contract includes furnishing and installing elements for an Intelligent Transportation System (ITS) in or along the existing roadway as shown on the plans.

Unusual aspects of this project include:

1. The project includes working on cables and equipment that are carrying data between roadside equipment and the department's Statewide Traffic Operations Center (STOC). Interruption of this service is not expected to perform this work. If an interruption is determined necessary, it must be done on a weekend, and must be done in a way that minimizes communication outages for the existing equipment. Notify the department's STOC at least 48 hours in advance of the planned interruption.
2. The department will furnish some of the equipment to be installed. Make a reasonable effort to discover defects in that equipment prior to installing it.

A.2 Surge Protection

Equip every ungrounded conductor wire entering or leaving any equipment cabinet with a surge protector. For purposes of this section, multiple cabinets on a single pole or foundation are considered a single cabinet.

B Materials

B.1 General

Only furnish equipment and component parts for this work that are new and have high quality workmanship. All controls, indicators, and connectors shall be clearly and permanently labeled in a manner approved by the engineer. All equipment of each type shall be identical.

All electrical equipment shall conform to the standards and requirements of the Wisconsin Electrical Code, the National Electrical Manufacturers Association (NEMA), National Electric Safety Council (NESC), Underwriter's Laboratory Inc. (UL) or the Electronic Industries Association (EIA), when applicable. All materials and workmanship shall conform to the requirements of the National Electrical Code (NEC), Rural Electrification Administration (REA), Standards of the American Society for Testing and Materials (ASTM), American Association of State Highway and Transportation Officials (AASHTO), requirements of the plans these special provisions, the standard specifications, and to any other codes, standards, or ordinances that may apply. All system wiring, conduit, grounding hardware and circuit breakers shall be in conformance with the National Electrical Code. Whenever reference is made to any of the standards mentioned,

the reference shall be considered to mean the code, ordinance, or standard that is in effect at the time of the bid advertisement.

B.2 Outdoor Equipment

All conductive connectors, pins (except pins connected by soldering), and socket contacts shall be gold plated. Acrylic conformal coating shall protect each circuit board side that has conductive traces. Except for integrated circuits containing custom firmware, all components shall be soldered to the printed circuit board.

To prevent galvanic corrosion, all connections between dissimilar metals shall incorporate a means of keeping moisture out of the connection. Where the connection need not conduct electricity, interpose a non-absorbing, inert material or washer between the dissimilar metals. Use nonconductive liners and washers to insulate fasteners from dissimilar metals. Where the connection must conduct electricity, use a conductive sealant between the dissimilar metals. Alternatively, use an insulating gasket and a bond wire connecting the two metal parts.

B.3 Custom Equipment

Equipment that is not part of the manufacturer's standard product line, or that is made or modified specifically for this project, shall conform to the following requirements:

Where practical, electronics shall be modular plug-in assemblies to facilitate maintenance. Such assemblies shall be keyed to prevent incorrect insertion of modules into sockets.

All components shall be available from multiple manufacturers as part of the manufacturers' standard product lines. All must be clearly labeled with the value, part number, tolerance, or other information sufficient to enable a technician to order an exact replacement part.

Lamps used for indicator purposes shall be light-emitting diodes.

The printed circuit boards shall be composed of "two-ounce" copper on 1/16-inch thick fiberglass epoxy or equivalent type construction. Holes that carry electrical connections from one side of the boards to the other shall be completely plated through. Multilayer printed circuit boards shall not be used. The name or reference number used for the board in the drawings and maintenance manuals supplied to the department shall be permanently affixed to each board.

All components shall be mounted so that the identifying markings are visible without moving or removing any part, if practical.

B.4 Environmental Conditions

Equipment shall continue to operate as specified under the following ranges of environmental conditions, except as noted in the specifications for individual pieces of equipment.

1. **Vibration and Shock:** Vehicle speed and classification sensors and any other equipment mounted atop poles or on structures shall not be impaired by the continuous vibration caused by winds (up to 90 mph with a 30 percent gust factor) and traffic.
2. **Duty Cycle:** Continuous
3. **Electromagnetic Radiation:** The equipment shall not be impaired by ambient electrical or magnetic fields, such as those caused by power lines, transformers, and motors. The equipment shall not radiate signals that adversely affect other equipment.
4. **Electrical Power:**
 - a. **Operating power:** The equipment shall operate on 120-volts, 60-Hz, single-phase unless otherwise specified. It shall conform to its specified performance requirements when the input voltage varies from 89 to 135 volts and the frequency varies ± 3 Hz.
 - b. **High frequency interference:** The equipment operation shall be unaffected by power supply voltage spikes of up to 150 volts in amplitude and 10 microseconds duration.
 - c. **Line voltage transients:** The equipment operation shall be unaffected by voltage transients of plus or minus 20 percent of nominal line voltage for a maximum duration of 50 milliseconds. Equipment in the field shall meet the power service transient requirements of NEMA Standard TS-2 when connected to the surge protectors in the cabinets.
5. **Temperature and Humidity:**
 - a. **Field equipment:** Equipment in the field shall meet the temperature and humidity requirements of NEMA Standard TS-2. Liquid crystal displays shall be undamaged by temperatures as high as 165 degrees F, and shall produce a usable display at temperatures up to 120 degrees F.
 - b. **Equipment in Controlled Environments** shall operate normally at any combination of temperatures between 50 degrees F and 100 degrees F, and humidity's between 5 percent and 90 percent, non-condensing, and with a temperature gradient of 9 degrees F per hour.

B.5 Patch Cables and Wiring

All cables and wiring between devices installed in a single cabinet, or in separate cabinets sharing a single concrete base, will be considered incidental to the installation of the devices and no separate payment will be made for them. It is anticipated that this will include fiber optic patch cables between termination panels and Ethernet switches, 10 / 100 MBPS Ethernet cables, RS-232 cables between individual devices and terminal servers, and power cables between individual devices and power sources within the cabinets.

B.6 Surge Protection

Low-voltage signal pairs, including twisted pair communication cable(s) entering each cabinet shall be protected by two-stage, plug-in surge protectors and shall be installed on both ends of camera control cables. The protectors shall meet or exceed the following minimum requirements:

1. The protectors shall suppress a peak surge current of up to 10k amps.
2. The protectors shall have a response time less than one nanosecond.
3. The protector shall clamp the voltage between the two wires at a voltage that is no more than twice the peak signal voltage, and clamp the voltage between each wire and ground at 50 volts.
4. The first stage of protection shall be a three-element gas discharge tube, and the second stage shall consist of silicon clamping devices.
5. The protector shall also contain a resettable fuse (PTC) to protect against excessive current.
6. There shall be no more than two pairs per protector.
7. It shall be possible to replace the protector without using tools.

Cables carrying power to curve signs shall be protected at the cabinet by grounded metal oxide varistors of appropriate voltages. The varistors must be at least 0.8 inch in diameter.

C Construction

C.1 Thread Protection

Provide rust, corrosion, and anti-seize protection at all thread assemblies of metallic parts by coating (non-spray) the mating surfaces with an approved compound. Failure to use an approved compound will result in no payment for the items to which coating was to have been applied.

C.2 Cable Installation

When installing new cables into conduits containing existing cables, remove the existing cables and reinstall the existing cables simultaneously with the new cables. Take every precaution necessary to protect the existing cables. In the event of avoidable damage to the existing cables, replace all damaged cables, in-kind, at no additional expense to the department. When cables are pulled into conduit, use a cable pulling lubricant approved by the cable manufacturer. Submit documentation supporting manufacturer approval of the lubricant to the engineer.

C.3 Wiring

Every conductor, except a conductor contained entirely within a single piece of equipment, must terminate either in a connector or on a terminal block. Provide and install the connectors and terminal blocks where needed, without separate payment. Use approved splice kits instead of connectors and terminal blocks for underground power cable splices.

Permanently label and key connectors to preclude improper connection. Obtain prior engineer approval for the labeling method(s) prior to use.

Terminal blocks must be affixed to panels that permanently identify the block and what wire connects to each terminal. This may be accomplished by silk screening or by installing a laminated printed card under the terminal block, with the labels on portions of the card that extend beyond the block. Installation of terminal blocks by drilling holes in the exterior wall of the cabinet is not acceptable.

Use barriers to protect personnel from accidental contact with all dangerous voltages.

Do not install conductors carrying AC power in the same wiring harness as conductors carrying control or communication signals.

Arrange wiring, including fiber optic pigtails, so that any removable assembly can be removed without disturbing wiring that is not associated with the assembly being removed.

Communication and control cables may not be spliced underground, except where indicated on the plans.

Cables in the Statewide Traffic Operations Center or in communication hubs, which are not contained within a single cabinet, shall have at least 10 feet of slack.

C.4 System Operations

If the contractor's operations unexpectedly interrupt Intelligent Transportation Systems (ITS) service, notify the engineer immediately and restore service within 24 hours. Repair all damaged facilities to the condition existing before the interruption. If service is not restored within 24 hours, the department may restore service to any operating device and deduct restoration costs from payments due the contractor.

C.5 Surge Protection

Arrange the equipment and cabinet wiring to minimize the distance between each conductor's point of entry and its protector. Locate the protector as far as possible from electronic equipment. Ensure that all wiring between the surge protectors and the point of entry is free from sharp bends.

D Measurement

No separate measurement will be made for the work described in this article.

E Payment

No separate payment will be made for the work described in this article. All work described in this article shall be included under the ITS items in the contract.

670-010 (20100709)

51. Intelligent Transportation Systems – Conduit.

Add the following to standard spec 671.2:

671.2.4 Locate Wire

Furnish and install a No. 14 AWG stranded copper wire for future locate purposes through each conduit run. Connect the locate wire by using a wire nut at each pull box, manhole, or other access point. Alternatively, use a single wire through the access points. All material furnished under this item shall meet the requirements of standard spec 655.

671-005 (20100630)

52. Install Ethernet Switch, Item 675.0400.S.

A Description

This special provision describes installing an Ethernet switch, and providing all necessary associated wiring.

B Materials

The department will furnish the Ethernet switch. Provide all necessary cables between the Ethernet switch and terminal server or other device.

C Construction

Install the Ethernet switch in a new or existing field cabinet. Connect it to devices as shown on the plans, or as directed by the engineer.

D Measurement

The department will measure Install Ethernet Switch by the unit, installed according to the contract, tested, 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
675.0400.S	Install Ethernet Switch	Each

Payment is full compensation for installing an Ethernet switch; furnishing all necessary incidental hardware; and making all necessary connections.

675-040 (20100630)

53. Salvage Terminal High-Tension Cable TL-3, Gibraltar, Item SPV.0060.0001; Salvage High-Tension Cable TL-3, Socketed, Gibraltar, Item SPV.0090.0001.

A Description

This special provision describes salvaging terminals for high-tension cable guard TL-3, Gibraltar, and salvaging high-tension cable guard TL-3, socketed, Gibraltar.

B (Vacant)

C Construction

Remove the terminals for high-tension cable guard and high-tension cable guard in a manner that prevents damage to all salvageable materials. Salvageable materials are those materials above grade and not embedded in concrete. Any damaged materials shall be replaced at the cost of the contractor. Stockpile the salvaged materials in an engineer-approved location on the project. The length of salvageable high-tension cable guard is estimated in the plan. All components, including footings that are not salvageable are to be removed entirely to a depth of at least 2 feet below subgrade. Dispose of all materials not

designated for salvage as specified for disposing of materials under standard spec 203.3.4. Removal and disposal of these components is incidental to the work.

D Measurement

The department will measure Salvage Terminal High-Tension Cable TL- 3, Gibraltar as each individual unit, acceptably completed.

The department will measure Salvage High-Tension Cable TL- 3, Socketed, Gibraltar by the linear foot acceptably completed, measured as the length from end of terminal to end of terminal and rounded to the nearest linear foot.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0001	Salvage Terminal High-Tension Cable TL- 3, Gibraltar	Each
SPV.0090.0001	Salvage High-Tension Cable TL- 3, Socketed, Gibraltar	LF

Payment is full compensation for removing, handling, storing and transporting the existing terminals for high-tension cable guard and high-tension cable guard materials; for disposing of any damaged materials; and for replacing contractor-damaged material.

54. Terminal High-Tension Cable TL-3, Gibraltar, Item SPV.0060.0002; High-Tension Cable TL-3, Socketed, Gibraltar, Item SPV.0090.0002.

A Description

This special provision describes providing socketed high-tension TL-3 cable guard meeting the National Cooperative Highway Research Program (NCHRP) Report 350, Test Level 3.

B Materials

Furnish Materials are to be acquired from the manufacturer below:

Gibraltar

320 Southland Road
Burnet, TX 78611
Contact: Jay Winn
Phone: (800) 495-8957 Ext 212
(512) 756-1426 (main)
(512) 756-1575 (fax)
E-mail: jwinn@gibraltartx.com
Web: gibraltartx.com.

Furnish grade A, A-FA, A-S, A-T, A-IS, or A-IP concrete conforming to standard spec 501.2 as modified in standard spec 716 for concrete used in concrete socketed line post footing for concrete anchors in terminals. Provide QMP for class II ancillary concrete as specified in standard spec 716.

Furnish steel reinforcement conforming to standard spec 505.

Furnish cable and all cable connection components with a minimum breaking strength of 39,000 lbs per ASTM A741-98.

Furnish zinc-coated hardware as specified in AASHTO M232.

B.2 Design Requirements

Thirty days before installation provide the engineer with two sets of manufacturer prepared design calculations, approval letters, documentation, notes, plan details, and construction specifications. Provide required information in a PDF format or other in electronic format that the department can review information.

Obtain prior approval from the Bureau of Project Development (Erik Emerson at (608) 266-2842) for all hardware substitutions before delivering the hardware on the project.

Provide a system that has been formally accepted by Federal Highway Administration as meeting the crash test requirements in NCHRP Report 350 or MASH, for a Test Level 3 system.

Provide a system to have a maximum deflection of 15 feet. Provide design documentation on how post spacing, radius of curve, direction of curve, and anchor spacing influences barrier deflection.

Provided design details for concrete socketed line post footing with a maximum line post spacing of 15 feet. Minimum depth of for concrete socketed line post is 48 inches for nonrock installations.

Provide concrete anchors with minimum of 60 inches for non-rock installations.

Provide design details for non-rock installations of socketed line post and concrete anchors.

Ensure that concrete line post design has 6 inches of clear cover (distance from outside of concrete in the line post footing to steel sleeve) or manufacturer provides documentation that the concrete line post footing will not become cracked or large pieces of concrete cannot fly into the air during a TL-3 truck impact.

Provide engineering analysis sealed by a Wisconsin licensed professional engineer that the line post footings and concrete anchorages are designed for the soils conditions presented in the contract. Analysis includes but is not limited to: design loads used for terminal and anchor posts, foundation design methodology used, factors of safety values, soil type, soil conditions, temperature ranges.

Soils information is located in the plans.

Provide splice and connection details that have passed NCHRP 350 or MASH TL-3 crash testing requirements.

C Construction

A representative of the manufacturer is to be on site at all times during the installation of the terminals and the high-tension cable guard. Manufacturer's representative will provide engineer signed documentation that the contractor has installed the socketed high-tension TL-3 cable guard according to manufacturer's recommendations.

Construct concrete as specified in standard spec 501.

Construct steel reinforcement as specified in standard spec 505.

Construct terminal units at each end of a run of cable guard as shown in the plans. The contractor may determine the location of anchors subject to the engineer's approval.

Set steel posts in socketed concrete foundations according to the manufacturer's recommendations. Line post must be easily removed from sleeve, plumb, and hold cables at proper elevations.

Tension the cable according to the manufacturer's recommendations at the time of installation, and then check and adjust approximately 3 weeks after installation. If system is not maintaining proper tension, adjust tension and return 3 weeks later. Provide engineer documentation of date, time, location, tension value, and who checked the tension for each barrier run.

Use only one-half the available adjustment in each turnbuckle or tension adjustment connection to achieve manufacturer's recommend tension values.

Field swage connections per manufacturer's recommendations and details.

The engineer will allow the contractor to open the roadway to traffic or remove traffic control devices if concrete attains manufacturer's compressive strength. Without compressive strength information, the engineer may allow the contractor to remove traffic control devices 14 equivalent curing days. Equivalent curing days are defined in standard spec 415.3.

Install reflective delineators at even post spacing intervals close to 100 feet.

D Measurement

The department will measure Terminal High-Tension Cable TL-3, Gibraltar as each individual unit, acceptably completed.

The department will measure High-Tension Cable TL-3 Socketed, Gibraltar by the linear foot, acceptably completed, measured as the length from end of terminal to end of terminal and rounded to the nearest linear foot.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0002	Terminal High-Tension Cable TL-3, Gibraltar	Each
SPV.0090.0002	High-Tension Cable TL-3, Socketed, Gibraltar	LF

Payment is full compensation for furnishing and installing all new materials, including posts, paint, concrete, steel reinforcement, sockets, cables, anchors, tension assemblies, fittings, and incidentals; for initial tensioning and subsequent adjustment of tension; for furnishing all excavating and backfilling; for removal of temporary anchors; for restoring of disturbed slope; delineation; engineering; and for properly disposing of excess material.

55. Reinstall Terminal High-Tension Cable TL-3, Gibraltar, Item SPV.0060.0003; Reinstall High-Tension Cable TL-3, Socketed, Gibraltar, Item SPV.0090.0003.

A Description

This special provision describes providing socketed high-tension TL-3 cable guard meeting the National Cooperative Highway research Program (NCHRP) Report 350, Test Level 3.

B Materials

The materials salvaged under the bid items Salvage Terminal High-Tension Cable TL-3, Gibraltar, Item SPV.0060.1001 and Salvage High-Tension Cable TL-3, Socketed, Gibraltar, Item SPV.0090.1000 shall be used first.

All new and replacement materials not considered salvageable are to be acquired from the manufacturer below:

Gibraltar

320 Southland Road
Burnet, TX 78611
Contact: Jay Winn
Phone: (800) 495-8957 Ext 212
(512) 756-1426 (main)
(512) 756-1575 (fax)
E-mail: jwinn@gibraltartx.com
Web: gibraltartx.com

Furnish grade A, A-FA, A-S, A-T, A-IS, or A-IP concrete conforming to standard spec 501.2 as modified in standard spec 716 for concrete used in concrete socketed line post footing for concrete anchors in terminals. Provide QMP for class II ancillary concrete as specified in standard spec 716.

Furnish steel reinforcement conforming to standard spec 505.

Furnish cable and all cable connection components with a minimum breaking strength of 39,000 lbs per ASTM A741-98.

Furnish zinc-coated hardware as specified in AASHTO M232.

B.2 Design Requirement

Thirty days before installation provide the engineer with two sets of manufacturer prepared design calculations, approval letters, documentation, notes, plan details, and construction specifications. Provide required information in a PDF format or other in electronic format that the department can review information.

Obtain prior approval from the Bureau of Project Development (Erik Emerson at (608) 266-2842) for all hardware substitutions before delivering the hardware on the project.

Provide a system that has been formally accepted by Federal Highway Administration as meeting the crash test requirements in NCHRP Report 350 or MASH, for a Test Level 3 system.

Provide a system to have a maximum deflection of 15 feet. Provide design documentation on how post spacing, radius of curve, direction of curve, and anchor spacing influences barrier deflection.

Provided design details for concrete socketed line post footing with a maximum line post spacing of 15 feet. Minimum depth of for concrete socketed line post is 48 inches for non-rock installations.

Provide concrete anchors with minimum of 60 inches for non-rock installations.

Provide design details for non-rock installations of socketed line post and concrete anchors.

Ensure that concrete line post design has 6 inches of clear cover (distance from outside of concrete in the line post footing to steel sleeve) or manufacturer provides documentation that the concrete line post footing will not become cracked or large pieces of concrete cannot fly into the air during a TL-3 truck impact.

Provide engineering analysis sealed by a Wisconsin licensed professional engineer that the line post footings and concrete anchorages are designed for the soils conditions presented in the contract. Analysis includes but is not limited to: design loads used for terminal and anchor posts, foundation design methodology used, factors of safety values, soil type, soil conditions, temperature ranges.

Soils information is located in the plans.

Provide splice and connection details that have passed NCHRP 350 or MASH TL-3 crash testing requirements.

C Construction

A representative of the manufacturer is to be on site at all times during the installation of the terminals and the high-tension cable guard. Manufacturer's representative will provide engineer signed documentation that the contractor has installed the socketed high-tension TL-3 cable guard according to manufacturer's recommendations.

Construct concrete as specified in standard spec 501.

Construct steel reinforcement as specified in standard spec 505.

Construct terminal units at each end of a run of cable guard as shown in the plans. The contractor may determine the location of anchors subject to the engineer's approval.

Set steel posts in socketed concrete foundations according to the manufacturer's recommendations. Line post must be easily removed from sleeve, plumb, and hold cables at proper elevations.

Tension the cable according to the manufacturer's recommendations at the time of installation, and then check and adjust approximately 3 weeks after installation. If system is not maintaining proper tension, adjust tension and return 3 weeks later. Provide engineer documentation of date, time, location, tension value, and who checked the tension for each barrier run.

Use only one-half the available adjustment in each turnbuckle or tension adjustment connection to achieve manufacturer's recommend tension values.

Field swage connections per manufacturer's recommendations and details.

The engineer will allow the contractor to open the roadway to traffic or remove traffic control devices if concrete attains manufacturer's compressive strength. Without compressive strength information, the engineer may allow the contractor to remove traffic control devices 14 equivalent curing days. Equivalent curing days are defined in standard spec 415.3.

D Measurement

The department will measure Reinstall Terminal High-Tension Cable TL-3, Gibraltar as each individual unit, acceptably completed.

The department will measure Reinstall High-Tension Cable TL-3, Socketed, Gibraltar by the linear foot, acceptably completed, measured as the length from end of terminal to end of terminal and rounded to the nearest linear foot.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0003	Reinstall Terminal High-Tension Cable TL-3, Gibraltar	Each
SPV.0090.0003	Reinstall High-Tension Cable TL-3, Socketed, Gibraltar	LF

Payment is full compensation for furnishing and installing all new materials, including posts, paint, concrete, steel reinforcement, sockets, cables, anchors, tension assemblies, fittings, and incidentals; for initial tensioning and subsequent adjustment of tension; for furnishing all excavating and backfilling; for removal of temporary anchors; for restoring of disturbed slope; delineation; engineering; and for properly disposing of excess material.

56. Lamp Disposal High Intensity Discharge, Item SPV.0060.1000.

A Description

This special provision describes packaging, palletizing, and returning HID (metal halide; mercury vapor and high-pressure sodium) lamps removed under this contract to the department at the South 60th Street, West Allis, location.

B (Vacant)

C Construction

Lamps that the contractor turns in to the department will be considered the property of the department for proper future disposal. The contractor will have no further obligation for their disposal. The department will reject improperly packaged lamps.

Deliveries to the department shall be prearranged. Deliveries shall be consolidated into a truckload or more, except that where all the lamps removed under a contract measure less than a truckload, all shall be delivered as one load at one time.

Pack intact lamps in the packaging of the new lamps used to replace the old lamps, or packaging affording the equivalent protection. Deliver in full, closed, stackable cartons with the name of the contractor, the number and type/ wattage of lamps clearly written on each carton.

Pack broken lamps into minimum 6 mil plastic bags, which in turn shall be placed inside sturdy cardboard boxes or the equivalent, with the number of lamps clearly marked on each box. Mark the outer packaging "broken lamps". The department will reject metal containers.

Deliver all broken lamps, as noted above. The department will not pay broken lamps above a level of ten percent of the total number in the contract. Deliver broken lamps above the ten percent level to the department for no compensation.

If palletized, cartons shall be piled no more than two high and shall be secured with shrink-wrap to prevent shifting or falling loads. Label the pallets by the number and type/ wattage of lamps, and the name of the contractor.

The department will reject any lamps not removed as part of a contract pay item or otherwise required under this contract.

D Measurement

The department will measure Lamp Disposal High Intensity Discharge by each unit delivered to the department, acceptably completed. This payment will be in addition to payment for the work under which the lamps are removed from service.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.1000	Lamp Disposal High Intensity Discharge	Each

Payment is full compensation for packaging, palletizing and delivering lamps without breakage.

57. Group Luminaire Maintenance 30-Foot 250W HPS, Item SPV.0060.1001

A Description

This special provision describes luminaire maintenance. At the same locations, inspect light poles and troubleshoot nonfunctioning luminaires. Report problems to the engineer, or repair for payment under separate items of work, as directed by the engineer. Work under this item shall be performed in accordance with Section 651 and Section 659 of the standard specifications and this special provision.

B (Vacant)

C Construction

Replace standard spec 651.3.3(6) and 651.3.3(7) with the following:

(6) Record any obvious pole damage, structural weakness, electrical malfunction, electrical hazards, and other potential problems with the existing installation that are encountered, and convey such information to the engineer at the end of the work day. Replace blown fuses for separate payment. Replace nonfunctioning luminaires with state-furnished materials, for separate payment, and furnish and install a lamp. When outages for which the repair is beyond the scope of this contract are encountered, convey this information in writing to the engineer. This will complete the contractor's work for inspection and troubleshooting at that location. Thereafter, the lamp (only) will be required to operate for 20 consecutive nights without failure. Replace each lamp that fails; that lamp shall again be subjected to a 20 consecutive night test. **Exception:** At his option, the engineer may waive the 20-day prove-in period, location-by-location, in cases where he does not wish to pay the cost of traffic control, or where he judges that the public inconvenience of closed lanes or ramps would not be justified.

Add the following to standard spec 659.3.1:

(2) Location Plans

At the preconstruction conference, the department will furnish detailed location maps illustrating the location, lamp type and wattage, pole height, and other information regarding the work under this item.

(3) Lamp Identification

Some luminaires lack NEMA lamp identification stickers. Instead, a color patch on the sequence plaque on the pole shaft identifies the lamp types and wattages. Pole plaques are in many cases outdated and inaccurate. The color patch code is shown in the plans. Where the NEMA label and the pole plaque conflict, follow the NEMA label.

(4) Cleaning and Relamping – Other Incidental Work

Level and aim each luminaire that is of a type that can be leveled or aimed. Clean the optical surfaces, consisting of the reflector and both sides of the lens or refractor, with a detergent solution and two rinses. Lightly wipe with a damp chamois to remove dirt film, and polish with a non-abrasive compound free of wax or silicone, leaving the reflector bright.

In lieu of the manual cleaning process, an automatic washer designed specifically for the cleaning of refractors or lenses may be used, provided that, in the judgment of the engineer, it produces a final cleaning result equal to the washing process described above.

Throughout the cleaning process, keep the gasket dry.

D Measurement

The department will measure Luminaire Maintenance by the unit, acceptably completed. Two units of work will be measured on twin lighting units.

E Payment

The department will pay for the measured quantities under the following bid items:

ITEM	DESCRIPTION	UNIT
SPV.0060.1001	Group Luminaire Maintenance 30-Foot 250W HPS	Each

Payment is full compensation for cleaning and relamping; making for incidental repairs; inspecting and troubleshooting; and for conformance to the limited 20-night prove-in period as described above.

58. Removing and Reinstalling Lighting Units, Item SPV.0060.1002.**A Description**

This special provision describes the removing lighting units (pole, arm, luminaire, lamps, wires, breakaway device, and associated hardware and appurtenances), storing and re-installing. Lamp disposal removal will be paid separately.

B (Vacant)**C Construction**

No removal work will be permitted without approval from the engineer. Removal shall start as soon as the temporary lighting or permanent lighting, as applicable, is placed in approved operation. An inspection and approval by the engineer will take place before any associated proposed permanent or temporary lighting is approved for operation.

Any lighting unit damaged while removing, handling, storing, and re-installing shall be replaced or fixed by the contractor at no additional cost to the State.

Re-installation of the lighting units shall be done in accordance to pertinent requirements of standard specs 657.3 and 659.3.

D Measurement

The department will measure Removing and Re-Installing Lighting Units by each unit removed and re-installed, 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.0060.1002	Removing and Re-Installing Lighting Units	Each

Payment is full compensation for removing lighting units; for handling; for storing; and for re-installing.

59. Ground Rod, Item SPV.0060.1300.

A Description

This special provision describes installing a ground rod and ground wire.

B Materials

Ground rod shall be copper clad steel with cladding 13 mils thick. The minimum diameter is 5/8-inch and the minimum length is eight feet. Ground wire shall be AWG # 6 bare, solid copper.

C Construction

Use exothermic welding to connect the ground wire to the rod. Install the rod vertically, or as close to vertical as conditions permit. Select locations with moist soil, if available. Place the rod at least six feet from all other ground rods.

D Measurement

The department will measure Ground Rod by each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.1300	Ground Rod	Each

Payment is full compensation for furnishing and installation of the ground rod and ground wire; and for welding and connections at both ends of the ground wire.

60. Install Fiber Optic Media Converter, Item SPV.0060.3001.

A Description

This special provision describes installing a multi-mode to single-mode fiber optic media converter, and providing all necessary associated wiring.

B Materials

The department will furnish the fiber optic media converter. Provide all necessary cables between media converter and associated device.

C Construction

Install the media converter in a new or existing field cabinet. Connect it to devices as shown on the plans, or as directed by the engineer.

D Measurement

The department will measure Install Fiber Optic Media Converter by each unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.3001	Install Fiber Optic Media Converter	Each

Payment is full compensation for installing a fiber optic media converter; furnishing all necessary incidental hardware; and making all necessary connections and testing.

61. Cleaning and Painting Bearings, Item SPV.0060.4000.

A Description

This special provision describes cleaning and painting the existing steel bearings on structures as shown on the plans, as directed by the engineer, and in accordance to standard spec 517.

B Materials

Furnish a complete epoxy coating system from the department's approved product list. Use the same coating system for all repairs due to handling, shipping and erecting, and for all other uncoated areas. The color of epoxy shall be white and the urethane coating material shall match the color number shown on the plans in accordance to Federal Standard Number 595B, as printed in 1989. Supply the engineer with the product data sheets before any coating is applied. The product data sheets shall indicate the mixing and thinning directions, the minimum drying time for shop or field applied coats, and the recommended procedures for coating galvanized bolts, nuts, and washers.

C Construction

C.1 Surface Preparation

Clean areas of loose paint and rust by wire brushing, grinding, or other mechanical means. Sound paint does not need to be removed.

After clean up and storage of waste material, blast cleaning is allowed for only those areas where paint has been removed. Shield adjacent painted areas during blast cleaning operations. The blasting sand does not have to be collected.

Furnish adequate containment methods as required to contain and collect waste material resulting from the preparation of painted steel surfaces for painting. All clean-up activities should minimize dust. Store waste materials in hazardous waste containers provided by the department.

C.2 Coating Application

Apply paint in a neat, workmanlike manner, and in accordance to the manufacturer's instructions and recommendations. Paint application shall be brushed on.

D Measurement

The department will measure Cleaning and Painting Bearings as each individual bearing, 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.0060.4000	Cleaning and Painting Bearings	Each

Payment is full compensation for preparing and cleaning the designated bearings; furnishing and applying the paint; cleaning up, and containing and collecting all waste materials.

62. Clean Deck Inlets, Item SPV.0060.4001.**A Description**

This special provision describes cleaning existing deck inlets and downspouts to restore proper drainage.

B (Vacant)**C Construction**

Clean out all soil, debris, vegetation, or other accumulated matter from existing deck inlets and downspout pipes in order to return them to proper working condition. Remove all materials deposited or lodged due to the contractor's operations. Do not allow materials within inlets or downspout pipes to fall into the waterway below. Collect and properly dispose of all removed materials. If inlet grates are removed during work, reinstall them to their original position.

D Measurement

The department will measure Clean Deck Inlets as each individual inlet, 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.0060.4001	Clean Deck Inlets	Each

Payment is full compensation for cleaning deck inlets and downspouts to restore them to functioning condition.

63. Cover Plates Temporary Special, Item SPV.0060.8000.**A Description**

This special provision describes removing grate and frame, furnishing, installing and removing a steel plate to cover and support asphaltic pavement, fill and traffic loading at field inlets during construction and removing steel plate and replacing grate and frame after construction.

B Materials

Provide a 0.5-inch minimum thickness steel plate that extends to the outside edge of the existing masonry.

C Construction

Remove designated inlet grate and frame. Place the grates in an engineer-approved location on the project. Place cover plate on the existing masonry making sure that the steel plate extends to the outside edges. Remove temporary steel plate and replace grate and frame after construction is completed. Clean out all soil, debris, or other accumulated matter from field inlets prior to placing grate and frame before the engineer will accept the work. Remove all materials in structures deposited or lodged due to the contractor's operations.

D Measurement

The department will measure Cover Plates Temporary Special as each unit, acceptably completed in place.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.8000	Cover Plates Temporary Special	Each

Payment is full compensation for removing and replacing grate and frame, furnishing, installing, and removing the cover plate and cleaning field inlet.

The steel plate shall become the property of the contractor when no longer needed in the contract work.

64. Survey Project 1060-44-70 Item SPV.0105.0001.**A Description**

Conform to standard spec 105.6 and 650. This special provision describes modifying standard specs 105.6 and 650 and as follows to define the requirements for construction staking for this contract.

Replace standard spec 105.6.2 with the following:

The department will not perform any construction staking for this contract. Obtain engineer's approval prior to performing all survey required to lay out and construct the work under this contract.

The survey includes establishing horizontal and vertical position for all aspects of construction including but not limited to base, curb and gutter, bridges, pavement, pavement markings (temporary and permanent), barriers (temporary and permanent), supplemental control, slope stakes, ITS, utilities, traffic control items, etc.

The department may choose to perform quality assurance surveys during the project. These quality assurance surveys do not relieve the responsibility for performing all survey work required to lay out and construct the work under this contract.

Delete standard spec 650.1.

B (Vacant)

C Construction

Replace standard spec 650.3.1 (5) and 650.3.1 (6) with the following:

Perform survey work using global positioning or conventional methods. Establish additional benchmarks and control points as necessary to support the method of operation, or as the engineer directs. Do not use global positioning methods to establish the following:

1. Structure layout horizontal or vertical locations.
2. Concrete pavement vertical locations.
3. Curb, gutter, and curb and gutter vertical locations.
4. Concrete barrier vertical locations.

Maintain neat, orderly, and complete survey notes, drawings, and computations used in establishing the lines and grades. This includes, but is not limited to:

- Raw data files
- Digital stakeout reports
- Control check reports
- Supplemental control files (along with method used to establish coordinates and elevation)
- Calibration report

Make the survey notes and computations available to the engineer within 24 hours as the work progresses unless a longer period is approved by the engineer.

Replace standard spec 650.3.3.1 with the following:

Under the Survey Project bid item, global positioning system (GPS) machine guidance for conventional subgrade staking on all or part of the work may be substituted. The engineer may require reverting to conventional subgrade staking methods for all or part of the work at any point during construction if, in the engineer's opinion, the GPS machine guidance is producing unacceptable results.

Replace standard spec 650.3.3.3.4.1 with the following:

The department will provide the contractor staking packet as described in the Construction and Materials Manual (CMM) 7.10. At any time after the contract is awarded, the available survey and design information may be requested. The department will provide

that information within five business days of receiving the contractor's request. The department incurs no additional liability beyond that specified in standard spec 105.6 or standard spec 650 by having provided this additional information.

Supplement standard spec 650.3.3.3.6.2 with the following:

Record all subgrade elevation checks and submit a hard copy to the engineer within 24 hours or as requested by the engineer.

D Measurement

Replace standard spec 650.4 with the following:

The department will measure Survey Project 1060-44-70 as a separate single lump sum unit of work, acceptably completed.

E Payment

Replace standard spec 650.5 with the following:

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.0001	Survey Project 1060-44-70	LS

Payment is full compensation for performing all survey work required to lay out and construct all work under this contract. The department will not make final payment for any staking item until the contractor submits all survey notes and computations used to establish the required lines and grades to the engineer within 24 hours of completing this work. The department will deduct from payments due the contractor for the additional costs specified in 105.6. No additional payments will be made for restaking due to construction disturbance and knock-outs.

SEF Rev. 14_0909

65. Maintenance of Lighting Systems, Item SPV.0105.1000.

A Description

This special provision describes maintaining existing and proposed lighting system effective the date the contractor's activities (electrical or otherwise) at the job site begin, the contractor shall be responsible for the proper operation and maintenance of all existing and proposed lighting systems which are part of, or which may be affected by the work until final acceptance or as otherwise determined by the engineer.

Before performing any excavation, removal, or installation work (electrical or otherwise) at the site, the contractor shall initiate a request for a maintenance transfer and preconstruction inspection, as specified elsewhere herein, to be held in the presence of the engineer and a representative of the party or parties responsible for maintenance of any lighting systems which may be affected by the work. The request for the maintenance preconstruction

inspection shall be made no less than seven calendar days prior to the desired inspection date.

Existing lighting systems, when depicted on the plans, are intended only to indicate the general equipment installation of the systems involved and shall not be construed as an exact representation of the field conditions. It remains the contractor's responsibility to visit the site to confirm and ascertain the exact condition of the electrical equipment and systems to be maintained.

B (Vacant)

C Construction

Existing lighting systems: Existing lighting systems shall be defined as any lighting system or part of a lighting system in service prior to this contract. The contract drawings indicate the general extent of any existing lighting, but whether indicated or not, it remains the contractor's responsibility to ascertain the extent of effort required for compliance with these specifications and failure to do so will not be justification for extra payment or reduced responsibilities. Extent of maintenance of existing lighting system shall be as follow:

- **Partial Maintenance:** Unless otherwise indicated, if the number of circuits affected by the contract is equal to or less than 40% of the total number of circuits in a given controller and the controller is not part of the contract work, the contractor needs only to maintain the affected circuits. The affected circuits shall be isolated by means of in-line waterproof fuse holders as specified elsewhere and as approved by the engineer.
- **Full Maintenance:** If the number of circuits affected by the contract is greater than 40% of the total number of circuits in a given controller, or if the controller is modified in any way under the contract work, the contractor shall maintain the entire controller and all associated circuits.

Proposed Lighting Systems: Proposed lighting systems shall be defined as any temporary or final lighting systems or part of a lighting system which is to be constructed under this contract.

The contractor shall be fully responsible for maintenance of all items installed under this contract. Maintenance shall include, but not be limited to, any equipment failures or malfunctions as well as equipment damage either by the motoring public, contractor operations, or other means. The potential cost of replacing or repairing any malfunctioning or damaged equipment shall be included in the bid price of this item and will not be paid for separately.

Maintenance Operations: The contractor's responsibility shall include the maintenance of lighting units (including sign lighting), cable runs and lighting controls. In the case of a pole knockdown or sign light damage caused by normal vehicular traffic, the contractor shall promptly clear the lighting unit and circuit discontinuity and restore the system to service.

Responsibilities shall also include weekly night-time patrol of the lighting system, with patrol reports filed immediately with the engineer and with deficiencies corrected within 24 hours of the patrol. Patrol reports shall be presented on standard forms as designated by the engineer. Uncorrected deficiencies may be designated by the engineer as necessitating emergency repairs as described elsewhere herein.

The following chart lists the maximum response, service restoration, and permanent repair time the contractor will be allowed to perform corrective action on specific lighting system equipment.

INCIDENT OR PROBLEM	SERVICE RESPONSE TIME	SERVICE RESTORATION TIME	PERMANENT REPAIR TIME
Control cabinet out	1 hour	4 hours	7 Calendar days
Hanging mast arm	1 hour to clear	na	7 Calendar days
Motorist caused damage or leaning light pole 10 degrees or more	1 hour to clear	4 hours	7 Calendar days
Circuit out – Needs to reset breaker	1 hour	4 hours	na
Circuit out – Cable trouble	1 hour	24 hours	21 Calendar days
Outage of 3 or more successive lights	1 hour	4 hours	na
Outage of 75% of lights on one tower	1 hour	4 hours	na
Outage of light nearest RR crossing approach, Islands and gores	1 hour	4 hours	na
Outage (single or multiple) found on night outage survey	na	na	7 Calendar days

Lighting

- 1) **Serve Response Time:** amount of time from the initial notification to the contractor until a patrolman physically arrives at the location.
- 2) **Service Restoration Time:** amount of time from the initial notification to the contractor until the time the system is fully operational again (In cases of motorist caused damage the undamaged portions of the system are operational.)
- 3) **Permanent Repair Time:** amount of time from initial notification to the contractor until the time permanent repairs are made if the contractor was required to make temporary repairs to meet the service restoration requirement.

Failure to provide this service will result in liquidated damages of \$500 per day per occurrence. In addition, the department reserves the right to assign any work not completed within this timeframe to the State Electrical Maintenance Department. All costs

associated to repair this uncompleted work shall be the responsibility of the contractor. Failure to pay these costs to the State Electrical Maintenance Department within one month after the incident will result in additional liquidated damages of \$500 per month per occurrence. Unpaid bills will be deducted from the cost of the Contract. Repeated failures and/or a gross failure of maintenance shall result in the State's Electrical Maintenance Department being directed to correct all deficiencies and the resulting costs deducted from any monies owed the contractor.

Damage caused by the contractor's operations shall be repaired at no additional cost to the Contract.

Operation of Lighting: The lighting shall be operational every night, dusk to dawn. Duplicate lighting systems (such as temporary lighting and proposed new lighting) shall not be operated simultaneously. Lighting systems shall not be kept in operation during long daytime periods. The contractor shall demonstrate to the satisfaction of the engineer that the lighting system is fully operational prior to submitting a pay request. Failure to do so will be grounds for denying the pay request.

D Measurement

The department will measure Maintenance of Lighting Systems as a lump sum unit of work, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.1000	Maintenance of Lighting Systems	LS

Payment is full compensation for Maintenance of Lighting Systems.

66. Temporary EVP System IH 94 EB Ramps and STH 164/CTH J, Item SPV.0105.3001; IH 94 WB Ramps and STH 164/CTH J, Item SPV.0105.3002.

A Description

This special provision describes furnishing, installing, and maintaining temporary EVP systems at the temporary signalized intersection as shown in the plans.

B Materials

Furnish an emergency vehicle preemption system compatible with the City of Pewaukee system and users.

Contact the City of Pewaukee Public Works Department, (262) 691-0804, for information regarding the equipment needs and operational requirements of the emergency vehicle preemption system within the City of Pewaukee jurisdiction.

C Construction

The Temporary EVP System, as shown in the temporary traffic signal plans or as directed by the engineer, shall be complete in place, tested, and in full operation during each stage and sub-stage of construction.

Install the temporary vehicle detection system as shown in the plans and according to the manufacturer's recommendations. Determine a suitable location for the temporary EVP detectors for each stage and sub-stage of construction. Detectors may be mounted on the temporary traffic signal span wire or wood poles. Relocate the temporary EVP detectors to a suitable location if construction activities and/or construction staging changes impede the detector operation. Arrange for testing of equipment prior to acceptance of the installation for each construction stage.

All cables associated with the temporary vehicle detection system shall be routed to the cabinet. Each lead shall be appropriately marked as to which EVP channel it is associated.

Periodic adjustment and/or moving of the temporary EVP detectors may be required due to changes in traffic control, staging, or other construction operations.

Ensure that the temporary EVP system stays in clean working order. Periodic cleaning of the equipment may be required due to dirt and dust build-up.

Remove the temporary EVP system upon project completion.

Provide the engineer records of all EVP settings used during construction.

D Measurement

The department will measure Temporary EVP System (Location), furnished, installed, and completely operational, as a single complete lump sum unit of work per intersection, complete in place 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.0105.3001	Temporary EVP System IH 94 EB Ramps and STH 164/CTH J	LS
SPV.0105.3002	Temporary EVP System IH 94 WB Ramps and STH 164/CTH J	LS

Payment is full compensation for furnishing and installing all required equipment, materials, and supplies; for maintaining and changing the EVP detectors to match the plans, traffic control, and construction staging; for relocating the temporary EVP detectors due to construction activities, if required; for testing the EVP system for each stage and sub-stage of construction; for periodically cleaning all temporary EVP detectors; for removing the temporary EVP system; and for cleaning up and properly disposing of waste.

67. Temporary Vehicle Detection System for Intersections IH 94 EB Ramps and STH 164/CTH J, Item SPV.0105.3003; IH 94 WB Ramps and STH 164/CTH J, Item SPV.0105.3004.

A Description

This work shall consist of furnishing, installing, maintaining and placing into operation a temporary non-intrusive vehicle detection system (NIVDS) as shown on the plans, and as directed by the engineer in the field.

B Materials

This specification sets forth the minimum requirements for a system that detects vehicles on a roadway and provides detection outputs to a traffic signal controller. The materials shall also include all brackets, mounting hardware, cable, terminations, interface panels, and all other incidentals for the installation of the non-intrusive vehicle detection equipment. This equipment shall meet the NEMA environmental, power and surge ratings as set forth in NEMA TS2 specifications.

All detection equipment, components, and terminations supplied under this item shall be fully compatible with the temporary traffic signal controller supplied for the project. The system architecture shall fully support Ethernet networking of system components. All required interface equipment needed for transmitting and receiving data shall be provided with the NIVDS.

The NIVDS shall provide flexible detection zone placement anywhere and at any orientation. Preferred detector configurations shall be detection zones placed across lanes of traffic for optimal count accuracy, detection zones placed parallel to lanes of traffic for optimal presence detection accuracy of moving or stopped vehicles. Detection zones shall be able to be overlapped for optimal road coverage.

C Construction

The temporary NIVDS shall be installed by supplier factory-certified installers and as recommended by the supplier and documented in installation materials provided by the supplier.

In the event, at installation or turn on date, a noticeable obstruction is present in line with the detection zone(s), the contractor shall be obligated to advise the engineer before setting the zone.

The non-intrusive vehicle detection system, as shown in the traffic signal construction plans, shall be complete, in place, tested, and in full operation during each stage of construction.

Maintain all temporary vehicle detection zones as the plans show or as the engineer directs. The temporary vehicle detection zones shall be set near the vicinity and with approximate distance from the stop bar as shown on the plans. Check temporary vehicle detection zones every other week and at the opening of each stage of temporary traffic signal operation to

ensure that they are working properly and aimed properly. Periodic adjustment of the detection zones and/or moving of the temporary vehicle detection sensors may be required due to changes in traffic control, staging, or other construction operations.

Ensure the non-intrusive vehicle detection system stays in clean working order. Periodic cleaning of the equipment may be required due to dirt and dust build-up.

D Measurement

The department will measure Temporary Vehicle Detection System for Intersections (Location) as a single complete lump sum unit of work per intersection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.3003	Temporary Vehicle Detection System for Intersections IH 94 EB Ramps and STH 164/CTH J	LS
SPV.0105.3004	Temporary Vehicle Detection System for Intersections IH 94 WB Ramps and STH 164/CTH J	LS

Payment is full compensation for furnishing and installing the temporary non-intrusive vehicle detection system including cabling, mounting brackets, mounting hardware, terminations, interface panels, testing and set up; for periodic checking and resetting of detection zones; for periodic cleaning for dirt and dust build-up; for removing all equipment at the completion of the project.

68. Covering Traffic Signal Heads IH 94 and STH 164/CTH J, Item SPV.0105.3005.

A Description

This special provision describes covering existing permanent traffic signal heads during construction. All existing permanent traffic signal faces at the IH 94 and STH 164/CTH J interchange shall be covered upon activation of the temporary traffic signals.

B Materials

Hood materials shall be burlap, canvas, nylon or other materials approved by the engineer. Plastic trash bags or similar materials are not acceptable. The hood shall be black to match the existing traffic signal backplates. The hood shall cover the entire face of the traffic signal head to the rim of the backplate. The hoods must not damage the existing traffic signal heads or backplates.

The hoods must be securely fastened to the existing traffic signal head with nylon rope, straps or other materials approved by the engineer. Tape or similar materials are not acceptable. The straps must not damage the existing traffic signal heads or backplates.

C Construction

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the activation of the temporary traffic signals at the IH 94 and STH 164/CTH J interchange.

Hood the permanent traffic signal heads immediately upon the activation of the temporary traffic signal installation and/or the deactivation of the left-turn phases. Cover the entire face of the signal head to the rim of the backplate with the approved cover materials. Securely fasten the hood to the existing traffic signal head with the approved materials. Ensure that the traffic signal indications are not visible.

The hoods must be maintained until the permanent traffic signals are reactivated.

Remove the traffic signal hoods upon activation of the permanent traffic signals.

D Measurement

The department will measure Covering Traffic Signal Heads (Location) as a single complete lump sum unit of work per intersection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.3005	Covering Traffic Signal Heads IH 94 and STH 164/CTH J	LS

Payment is full compensation for furnishing and installing all required traffic signal hoods, materials, and supplies; for maintaining the traffic signal hoods; for removing the traffic signal hoods; and for cleaning up and properly disposing of waste.

69. Remove Traffic Signals IH 94 and STH 164/CTH J, Item SPV.0105.3007.

A Description

This special provision describes removing existing traffic signals at the IH 94 and STH 164/CTH J interchange in accordance to the pertinent provisions of standard spec 204 and as hereinafter provided. Specific removal items are noted in the plans.

B (Vacant)

C Construction

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

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the removal of the traffic signals. Complete the removal work as soon as possible following shut down of this equipment.

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

Remove all standards and poles per plan from their concrete footings and disassemble out of traffic. Remove the transformer bases from each pole. Remove the signal heads, emergency vehicle preemption heads (evp), mast arms, luminaires, wiring/cabling, and traffic signal mounting devices from each signal standard, arm or pole. Ensure that all access hand hole doors and all associated hardware remain intact. Dispose of the underground signal cable, internal wires and street lighting cable off the state right-of-way. Deliver the remaining materials to the West Allis Electrical Service Facility at 935 South 60th Street, West Allis, Milwaukee County. Contact the department's Electrical Field Unit at (414) 266-1170 at least three working days prior to delivery to make arrangements.

D Measurement

The department will measure Remove Traffic Signals (location) as a single lump sum unit of work for each intersection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.3007	Remove Traffic Signals IH 94 and STH 164/CTH J	LS

Payment is full compensation for removing, disassembling traffic signals, scrapping of some materials, disposing of scrap material, for delivering the requested materials to the department, and incidentals necessary to complete the contract work.

70. Remove Loop Detector Wire and Lead-in Cable IH 94 and STH 164/CTH J, Item SPV.0105.3008.

A Description

This special provision describes removing loop detector wire and lead-in cable at the IH 94 and STH 164/CTH J interchange. Removal will be in accordance to standard spec 204, as shown in the plans, and as hereinafter provided.

B (Vacant)

C Construction

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the removal of the loop detector wire and lead-in cable.

Remove and dispose of detector lead-in cable including loop wire for abandoned loops off the right-of-way. Only remove and dispose of wire and cable for loops identified as abandoned on the plans.

D Measurement

The department will measure Remove Loop Detector Wire and Lead-in Cable (location) as a single lump sum unit of work for each intersection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.3008	Remove Loop Detector Wire and Lead-in Cable IH 94 and STH 164/CTH J	LS

Payment is full compensation for removing, scrapping, and disposing of material and incidentals necessary to complete the contract work.

- 71. Vegetation Removal B-67-14, Item SPV.0105.4000; B-67-60, Item SPV.0105.4001; B-67-61, Item SPV.0105.4002; B-67-62, Item SPV.0105.4003; B-67-63, Item SPV.0105.4004; B-67-65, Item SPV.0105.4005; B-67-66, Item SPV.0105.4006; B-67-67, Item SPV.0105.4007; B-67-68, Item SPV.0105.4008; B-67-140, Item SPV.0105.4009; B-67-234, Item SPV.0105.4010; B-67-235, Item SPV.0105.4011.**

A Description

This special provision describes removing and disposing of vegetation within slope paving limits and along ditch lines adjacent to bridge piers.

B (Vacant)**C Construction**

Remove all vegetation within existing slope paving limits prior to slope paving restoration and resealing. Remove vegetation alongside existing bridge piers and restore any ditch lines to grade to ensure proper drainage. Additional removal of vegetation interfering with the structure to be as directed by the engineer.

Perform vegetation removal work per standard spec 201.3, except as modified herein.

D Measurement

The department will measure Vegetation Removal as a single lump sum unit of work for each structure, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.4000	Vegetation Removal, B-67-14	LS
SPV.0105.4001	Vegetation Removal, B-67-60	LS
SPV.0105.4002	Vegetation Removal, B-67-61	LS
SPV.0105.4003	Vegetation Removal, B-67-62	LS
SPV.0105.4004	Vegetation Removal, B-67-63	LS
SPV.0105.4005	Vegetation Removal, B-67-65	LS
SPV.0105.4006	Vegetation Removal, B-67-66	LS
SPV.0105.4007	Vegetation Removal, B-67-67	LS
SPV.0105.4008	Vegetation Removal, B-67-68	LS
SPV.0105.4009	Vegetation Removal, B-67-140	LS
SPV.0105.4010	Vegetation Removal, B-67-234	LS
SPV.0105.4011	Vegetation Removal, B-67-235	LS

Payment is full compensation for furnishing all vegetation removal required under this section and performed within the removal limits defined under this section and identified on the plans; handling, hauling, piling, burning, burying, trimming, chipping, wound treatment, rehandling, and disposing of waste and debris; and for furnishing all labor, tools, materials, equipment and incidentals necessary to complete the contract work.

72. Fence Removal and Replacement B-67-234, Item SPV.0105.4020; B-67-235, Item .SPV.0105.4021.

A Description

This special provision describes removing sections of existing fence components as needed at bridge joint replacements, installing new fence posts and components on new concrete work at joint replacements, and reattaching existing fence components to new work.

B Materials

Furnish new fence components that are according to the pertinent requirements of standard spec 616.

C Construction

Remove necessary fence components in accordance to applicable portions of standard spec 204.

Preserve components to remain in accordance to standard spec 616.3.3.5. Existing horizontal rails and fence fabric to be reused and attached to new end post. If existing fence components to remain are damaged during construction, they shall be replaced by the contractor at no additional cost.

Install new fence components and reinstall and/or reattach existing fence components in accordance to standard spec 616.

D Measurement

The department will measure the Fence Removal and Replacement bid items as a single lump sum unit of work for each structure, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.4020	Fence Removal and Replacement B-67-234	LS
SPV.0105.4021	Fence Removal and Replacement B-67-235	LS

Payment is full compensation for removing sections of fence components, installing new fence components, and for reattaching existing fence components to new components.

73. Removing Loose Concrete, Item SPV.0165.4000.

A Description

This special provision describes removing vertical, horizontal and overhead deteriorated concrete on structures as shown on the plans and applying a migrating corrosion inhibitor to areas of exposed steel reinforcing and concrete. This work shall be in accordance to the pertinent parts of standard spec 517 and the details as shown in the plans.

B Materials

B.1 General

Furnish a migrating corrosion inhibitor for vertical, horizontal and overhead applications that is in accordance to the pertinent requirements of standard spec 517, and with the following typical physical properties:

- Color appearance: clear yellow viscous liquid,
- pH: 9.0 - 9.7 (neat),
- Density: 8.6 – 8.8 lb./gal. (1.03 – 1.05 kg/liter),
- Viscosity (or flow) similar to syrup and higher than water.
- Odor: slight ammonia smell.
- Non-volatile content: 20 – 27%.

Migrating corrosion inhibitor provided in this section shall conform to the requirements for each type and class of concrete required, with the following typical physical properties and requirements:

- a. Organic liquid.
- b. Water-based.
- c. Non-flammable.
- d. Non-vapor barrier.
- e. Non-toxic, oral LD 50 2000 g/kg maximum, or lower.
- f. Protects both anodic and cathodic areas.
- g. Does not contain calcium nitrate.

- h. Non-polluting after flushing or dilution.
- i. Non-harmful to plant life after flushing or dilution.
- j. Approved for potable water applications by NSF Standard 61.
- k. Certified for potable water applications by Underwriters laboratories.
- l. Not carcinogenic under occupational Safety and Health Agency, NTP, or IARC.
- m. Seven year minimum usage experience as a migrating corrosion inhibitor.
- n. Confirmed effective by ASTM G – 109.
- o. Proven effective as reported by the Strategic Highway Research Program funded by the United States of America, Department of Transportation (DOT), federal government and state DOT's.

C Construction

C.1 Preparation

Remove all deteriorated concrete. Sawcutting of edges is not needed. Concrete and adjacent surfaces should be dry, clean, and free of all dirt, oil, grease, efflorescence, sealers, coatings, curing compounds, membranes, rubber tire marks, and asphalt. Clean surface by stream cleaning, water blasting, sandblasting, or shot blasting. Use an air compressor with water and oil trap to ensure the cleaning method does not apply materials intended for removal. Use brush, broom, sweeper, or air compressor on surfaces as final cleaning before application. Use brush, broom, sweeper, or air compressor to chase cracks as final cleaning before application. Do not apply if the ambient temperature near the applied concrete surface is expected to be below freezing water temperature within 12 hours of application.

C2. Surface Application

Use the corrosion inhibitor for vertical, horizontal or overhead surface applications. Apply the solution by spray (conventional airless or hand pressure spray equipment), roller, squeegee, or paintbrush. Apply a rate of 150 square feet per gallon (3.7 square meters per liter). Minimal dry time is required and is usually minutes after treatment. Use of concrete substrate, such as for traffic, may resume when treatment is dry to touch.

D Measurement

The department will measure Removing Loose Concrete 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.0165.4000	Removing Loose Concrete	SF

Payment is full compensation for concrete removal and disposal, cleaning preparation, furnishing, and for applying the product.

74. Proof Rolling, Item SPV.0170.0001.

A Description

This special provision describes the testing of the stability of the compacted subgrade and base material by rolling with a tri-axle dump truck.

B Equipment

Fully load a tri-axle dump truck to within 3 tons of the vehicle legal load limit and provide a minimum gross vehicle weight of 30 tons. Uniformly inflate all tires to the pressure recommended by the manufacturer for the applicable wheel load.

C Construction

Completely compact and shape the subgrade to approximate grade. Test roll at normal walking speed under the direction of the engineer or his representative.

Roll the road subgrade and base across the width of the entire roadway. Make multiple passes throughout the length of the test area. Center each pass on a proposed lane or applicable parking lane.

Excavation and backfill are paid for under other bid items.

D Measurement

The department will measure Proof Rolling by the station along the roadway centerline or reference line, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0170.0001	Proof Rolling	STA

Payment is full compensation for performing the Proof Rolling and for retesting as determined by the engineer.

75. Geogrid Reinforcement, Item SPV.0180.0001.

A Description

This special provision describes furnishing and installing geogrids for subgrade stabilization, base reinforcement, or pavement structure applications in accordance to the plans, standard spec 645, and as hereinafter provided.

B Materials

Provide geogrid that consists of either single or joined multiple layers of a uniform rectangular grid of bonded, formed, or fused polymer tensile strands crossing with a nominal right angle orientation. The polymer shall consist of polyester, polypropylene, polyamide, or polyethylene. The grid shall maintain dimensional stability during

handling, placing, and installation. The geogrid shall be insect, rodent, mildew, and rot resistant. Minimum geogrid width shall be 6.0 feet.

Provide geogrid that complies with the following physical properties:

Test	Method	Value ⁽¹⁾
Tensile Strength at 5% Strain, Both Principal Directions (lb/ft)	ASTM D 4595 ⁽²⁾	450 min.
Flexural Rigidity Both Principal Directions (mg-cm)	ASTM D 1388 ⁽³⁾	150,000 min
Aperture Area (in ²)	Inside Measurement ⁽⁴⁾	5.0 max.
Aperture Dimension (in)	Inside Measurement ⁽⁴⁾	0.5 min

⁽¹⁾ All numerical values represent minimum/maximum average roll values, i.e. the average minimum test results on any roll in a lot should meet or exceed the minimum specified value.

⁽²⁾ The Tensile Strength T of the joined multi-layered geogrid shall be computed using the following equation:

$$T = n(f)t$$

where
n = the number

of individual layers in the joined multi-layered geogrid,

t = the tensile strength of a single layer of geogrid as determined using testing method ASTM D4595, and

f = reduction factor based on the number of layers comprising the multi-layered system and determined by the equation $f = 1.00 - [0.04(n - 1)]$.

⁽³⁾ Values shall be determined by Option "A" (Cantilever Test) of testing method ASTM D1388 using test specimens that are 36 inches ± 0.04 inch long. Test specimen widths for differing geogrids shall be variable and equal to 1 element plus $\frac{1}{2}$ the aperture width on both sides of that element. An element is defined as the minimum number of parallel strands that form a distinguishable repeating pattern.

⁽⁴⁾ Aperture Area and Aperture Dimension for joined multi-layer geogrids shall be determined based on measurement of a single layer of the geogrid.

Protect the geogrid from ultraviolet radiation and from damage due to shipping and handling. Keep the geogrid dry until it is installed. The geogrid rolls shall be clearly marked to identify the material contained.

Deliver a sample of the geogrid material to the engineer at least 10 days prior to its incorporation into the work. At the same time, furnish a manufacturer's Certified Report of Test or Analysis that verifies that the geogrid delivered for use on the work meets the above requirements. Samples of geogrid for test purposes will be obtained from the job site for each 10,000 square yards or portions thereof used on the contract.

C Construction

Prior to placement of the geogrid, bring the indicated placement surface to the required lines, grades, and dimensions as shown on the plans. Smooth and shape the surface to eliminate any rocks, clods, roots, or other items that may cause damage to the geogrid during placement or covering.

Place the geogrid on the prepared surface at the locations and to the limits as shown on the plans. After placement, pull the geogrid taut and secure it using pins, clips, staples, or other devices to prevent movement or displacement. Place parallel strips of geogrid with a minimum overlap of 6 inches. Lap butt joints between roll ends a minimum of 12 inches. Fasten all lapped sections together by using ties, straps, clips, or other devices to develop a secure joint that meets the approval of the engineer. No vehicles or construction equipment shall be permitted to operate directly on the geogrid.

Cover small rips, tears, or defects in the geogrid with an additional section of geogrid; secure the additional geogrid in place so that it overlaps the damaged area by at least 3 feet in all directions. Remove and replace geogrid sections with large rips, tears, defects, or other damage at the direction of the engineer. All costs to repair or replace damaged or defective geogrid shall be the responsibility of the contractor.

After placement, cover the geogrid to the indicated depth with the type of material required on the plans or in the special provisions. Placing, spreading, and compacting of this material shall comply with the applicable sections of the standard specifications or special provisions except that the initial lift of material placed on the geogrid must be at least 4 inches. Place, spread, and compact the required backfill material so that the geogrid is not displaced or damaged. The engineer may require changes in equipment and/or operations to prevent such damage or displacement.

D Measurement

The department will measure Geogrid Reinforcement by the square yard of surface area upon which the geogrid has been placed, 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.0180.0001	Geogrid Reinforcement	SY

Payment is full compensation for furnishing, transporting, and installing the geogrid; and for furnishing and installing all devices and materials necessary to join or secure the geogrid in place.

76. Clean Abutment Seats, Item SPV.0180.4000.

A Description

This special provision describes cleaning dirt and debris from existing abutment seats.

B (Vacant)

C Construction

Clean the exposed horizontal surfaces of the abutment seats to remove all accumulated dirt, debris, and loose particles by either brooming and water pressure, or by water and air pressure.

Implement necessary procedures to contain and collect waste materials and to minimize debris dropping onto the surfaces below. Properly dispose of waste materials in a manner satisfactory to the engineer.

D Measurement

The department will measure Clean Abutment Seats by the square yard, 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.0180.4000	Clean Abutment Seats	SY

Payment is full compensation for cleaning abutments seats: containing and collecting the dirt and debris; and for properly disposing of all materials.

77. Cold Patch, Item SPV.0195.0001.

A Description

This special provision describes furnishing, stockpiling, placing, and maintaining cold patch material. Use the cold patch material for short term maintenance purposes to fill potholes/voids in the existing pavement surface that the engineer deems necessary.

B Materials

B.1 General

Furnish cold patch that is a combination of course aggregate, natural sand and bituminous material MC-250. Design the mixture to have: a workability range of 15-100° F without the addition of heat, good adhesion to wet surfaces, and resistance to damage by water, salt and deicing products. Design a uniform mixture that does not require any mixing or special handling prior to use.

B.2 Gradations

Conform to the following gradation requirements:

SIEVE SIZE	PERCENT PASSING (by weight)
1/2 Inch (12.5mm)	
3/8 Inch (9.5mm)	90 - 100
No. 4 (4.75 mm)	90 Max
No. 8 (2.38mm)	20 - 65
No. 200 (.074mm)	2 - 10
Bitumen	4.8 - 5.4

B.3 Contracts With Less Than 10 Tons of Mixture

The engineer may waive QC testing on contracts with less than 10 tons of mixture. If testing is waived, acceptance will be by visual inspection unless defined otherwise by contract change order.

B.4 Temporary Pavements

The engineer may waive all testing for temporary cold patch, defined for this purpose as cold patch that will be placed and removed before contract completion.

C Construction

C.1 General

Choose a smooth, firm, and well-drained area for an on-site stockpile that is cleared of vegetation and foreign material that may contaminate the cold patch. Make the stockpile easily accessible, maintainable and replenishable at any time during the project. The stockpile is not to exceed 10 tons on site at any given time unless approved by the engineer. Remove and dispose of any unused portions of the stockpile at the completion of the project unless otherwise directed by the engineer.

Application of the cold patch must be able to be accomplished by hand labor. Remove all ponded water and loose debris prior to filling any potholes/voids. Place material into the pothole/void and compact flush with a tamper, roller, or vehicle tire. Traffic must be able to travel over the patch immediately after installation.

D Measurement

The department will measure Cold Patch by the ton stockpiled on site, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.0001	Cold Patch	Ton

Payment for cold patch is full compensation for the patch; preparing the pothole/void for material furnishing and providing a stockpile of material, compacting, and maintaining.

Remove and dispose of any unused portions of the stockpile at the completion of the project at no additional cost.

SEF Rev. 14_1211

**ADDITIONAL SPECIAL PROVISION 1 (ASP 1)
FOR TRANSPORTATION ALLIANCE FOR NEW SOLUTIONS (TrANS)
PROGRAM EMPLOYMENT PLACEMENTS AND APPRENTICESHIPS**

The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), Section 5204(e) – Surface Transportation Workforce Development Training and Education, provides for 100 percent Federal funding if the core program funds are used for training, education, or workforce development purposes, including “pipeline” activities. The core programs includes: Congestion Mitigation and Air Quality Improvement (CMAQ) Program, Highway Bridge Program (HBP), Interstate Maintenance (IM), National Highway System (NHS), and Surface Transportation Program (STP). These workforce development activities cover surface transportation workers, including OJT/SS programs for women and minorities as authorized in 23 U.S.C. §140(b).

TrANS is an employment program originally established in 1995 in Southeastern Wisconsin. Currently TrANS has expanded to include TrANS program locations to serve contractors in Southeast (Milwaukee and surrounding counties), Southcentral (Dane County and surrounding counties including Rock County), and most Northeastern Wisconsin counties from locations in Keshena, Rhinelander and surrounding far Northern areas. TrANS attempts to meet contractor’s needs in other geographic locations as possible. It is an industry driven plan of services to address the outreach, preparation, placement and retention of women, minorities and non-minorities as laborers and apprentices in the highway skilled trades. These candidate preparation and contractor coordination services are provided by community based organizations. For a list of the TrANS Coordinators contact the Disadvantaged Business Enterprise Office at (414) 438-4583 in Milwaukee or (608) 266-6961 in Madison. These services are provided to you at no cost.

I. BASIC CONCEPTS

Training reimbursements to employing contractors for new placements, rehires or promotions to apprentice of TrANS Program graduates will be made as follows:

- 1) **On-the-Job Training, Item ASP.1T0G, ASP 1 Graduate.** At the rate of \$5.00 per hour on federal aid projects when TrANS graduates are initially hired, or seasonally rehired, as unskilled laborers or the equivalent.

Eligibility and Duration: To the employing contractor, for up to 2000 hours from the point of initial hire as a TrANS program placement.

Contract Goal: To maintain the intent of the Equal Employment Opportunity program, it is a goal that 8 (number) TrANS Graduate(s) be utilized on this contract.

- 2) **On-the-Job Training, Item ASP.1T0A, ASP 1 Apprentice.** At the rate of \$5.00 per hour on federal aid projects at the point when an employee who came out of the TrANS Program is subsequently entered into an apprenticeship contract in an underutilized skilled trade (this will include the Skilled Laborer Apprenticeship when that standard is implemented).

Eligibility and Duration: To the employing contractor, for the length of time the TrANS graduate is in apprentice status.

Contract Goal: To maintain the intent of the Equal Employment Opportunity program, it is a goal that 4 (number) TrANS Apprentice(s) be utilized on this contract.

- 3) The maximum duration of reimbursement is two years as a TrANS graduate plus time in apprentice status.
- 4) If a TrANS program is not available in the contractor's area and another training program is utilized, payment of On-the-Job Training hours may be approved by the Wisconsin Department of Transportation (WisDOT) if the training program meets the established acceptance criteria. Only On-the-Job Training Hours accumulated after WisDOT approval will be reimbursed as specified under Items ASP.1T0G and ASP.1T0A. For more information, contact the Disadvantaged Business Enterprise Office at the phone numbers listed above.
- 5) WisDOT reserves the right to deny payments under items ASP.1T0G and ASP.1T0A if the contractor either fails to provide training or there is evidence of a lack of good faith in meeting the requirements of this training special provision.

I. RATIONALE AND SPECIAL NOTE

The \$5.00 per hour now being paid for TrANS placements is intended to cover the duration of two years to allow for reaching entry-level laborer status. An additional incentive, the \$5.00 rate, would promote movement into the underutilized skilled trades' apprenticeships and applies until the individual completes their apprenticeship. These incentives benefit TrANS candidates by giving them a better opportunity to enter a skilled trade; benefits contractors who will be assisted in meeting their EEO profiles and goals; and benefits the public who will see the program reinforce larger public-private employment reform in Wisconsin. The pool of TrANS graduates was created for the purpose of addressing underutilization in the skilled trades, an objective that is further reinforced by a parallel retention pilot program, known as the Companywide Reporting. *Whether or not reimbursement is involved, the WisDOT reassures contractors who are in the Companywide Program that TrANS placements still contribute toward fulfilling the new hire goal of 50% women and minorities.* Based on data administered by United States Department of Labor (US DOL), the highway skilled trades remain underutilized for women statewide (less than 6.9%); and for minorities in all counties (% varies by county).

NOTE: *Unless using other advancement strategies, contractors are encouraged to use some or all of this monetary incentive to offset the cut in hourly wages an individual may incur when entering an apprenticeship if the full general laborer hourly rate has been previously paid. No special accounting measures are required.*

II. IMPLEMENTATION

The implementation of ASP 1 is intended to cover only the amount of time it takes for underutilization to be resolved across the trades. This will be measured annually at the county and/or state levels using data administered by WisDWD in relation to goals set by the USDOL-

OFCCP. With appropriate state and federal approvals, we may also do some measurement at the company level.

It is the contractor's responsibility to note on their Certified Payrolls if their employee is a TrANS graduate or a TrANS apprentice. The District EEO Coordinators utilize the information on the Certified Payrolls to track the hours accumulated by TrANS Graduates and TrANS apprentices on WisDOT contracts. Payment under this ASP 1 is made based on the hours recorded off of the Certified Payrolls. Tracking may eventually include improved linkages with the WisDWD apprentice database, information from company and committee level sources.

TrANS is nondiscriminatory by regulation, and is a tool for optional use by contractors to address the underutilization of women and minorities as laborers and apprentices in our industry's skilled trades.

IV. TRANS TRAINING

As part of the contractor's equal employment opportunity affirmative action program, training shall be provided to employees enrolled in apprenticeship and on-the-job training programs as follows:

The contractor shall provide on-the-job training aimed at developing full journey workers in the type of trade or job classifications involved. In the event the contractor subcontracts a portion of the contract work, the contractor shall determine how many, if any, of the trainees are to be trained by the subcontractor provided, however, that the contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The contractor shall also insure that this training special provision is made applicable to such subcontract.

Training and upgrading of minorities and women toward journey workers status is a primary objective of this training special provision. Accordingly, the contractor shall make every effort to enroll minority trainees and women (e.g., by conducting systematic and direct recruitment through public and private sources likely to yield minority trainees and women trainees); to the extent such persons are available within a reasonable area of recruitment. The contractor will be given an opportunity and will be responsible for demonstrating the steps that they have taken in pursuance thereof, prior to determination as to whether the contractor is in compliance with this training special provision. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journey workers status or in which they have been employed as a journey worker. The contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used, the contractor's records should document the findings in each case.

V. APPRENTICESHIP TRAINING

The Federal Highway Administration's (FHWA) policy is to require full use of all available training and skill improvement opportunities to assure increased participation of minority groups, disadvantaged persons and women in all phases of the highway construction industry. The FHWA On-the-Job Training (OJT) Program requires the State transportation agencies (STAs) to establish apprenticeships and training programs targeted to move women, minorities, and disadvantaged individuals into journey-level positions to ensure that a competent workforce is available to meet highway construction hiring needs, and to address the historical underrepresentation of members of these groups in highway construction skilled crafts.

The OJT Supportive Services (OJT/SS) Program was established in Title 23 Code of Federal Regulations (CFR), Part 230) to supplement the OJT program and support STA training programs by providing services to highway construction contractors and assistance to highway construction apprentices and trainees. The primary objectives of OJT/SS are:

- (1) To increase the overall effectiveness of the State highway agencies' approved training programs.
- (2) To seek other ways to increase the training opportunities for women, minorities, and disadvantaged individuals.

The STAs are responsible for establishing procedures, subject to the availability of Surface Transportation and Bridge Funds under 23 U.S.C. §140(b) (Nondiscrimination), for the provision of supportive services with respect to training programs approved under 23 CFR, Part 230(a) (Equal Employment Opportunity on Federal and Federal-aid Construction Contracts – including Supportive Services).

The contractor and subcontractor shall maintain records to demonstrate compliance with these apprenticeship requirements. Reasonable exemptions and modifications to and from any or all of these requirements will be determined by the Wisconsin Department of Transportation-Civil Rights Office. A request for an exemption or modification, with justification, shall be made in writing, addressed to WisDOT Civil Rights Office, 4802 Sheboygan Avenue, P.O. Box 7965, Rm. 451, Madison, WI 53707.

ADDITIONAL SPECIAL PROVISION 3 DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

1. Description

General

- a. The disadvantaged business enterprise (DBE) requirements of 49 CFR Part 26 apply to this contract. The department's DBE goal is shown on the cover of the bidding proposal. The contractor can meet the specified contract DBE goal by procuring services or materials from a DBE or by subcontracting work to a DBE. The department calculates the DBE participation as the dollar value of DBE participation included in the bid expressed as a percentage of the total contract bid amount.
- b. Under the contract, the contractor agrees to provide the assistance to participating DBE's in the following areas:
 - i. Produce accurate and complete quotes.
 - ii. Understand highway plans applicable to their work.
 - iii. Understand specifications and contract requirements applicable to their work.
 - iv. Understand contracting reporting requirements.
- c. The department encourages the contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts.
- d. For information on the disadvantaged business program, visit the department's Civil Rights and Compliance Section website at:

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

2. Definitions

- a. Interpret these terms, used throughout this additional special provision, as follows:
 - i. **Bid Percentage:** The DBE percentage indicated in the bidding proposal at the time of bid.
 - ii. **DBE:** A disadvantaged business enterprise (DBE) certified as a DBE by the department and included on the department's list of certified DBE's who are determined to be ready, willing and able.
 - iii. **DBE goal:** The amount of DBE participation expected in the contract as shown on the cover of the Highway Work Proposal.
 - iv. **Discretionary Goal:** A contractor assigned DBE goal, typically abbreviated as "Disc" on the cover of the Highway Work Proposal, which is enforced as committed.
 - v. **Manufacturer:** A firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract.
 - vi. **Supplier:** A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment required under the contract are bought, kept in stock, and regularly sold or leased to the public.
 - vii. **Voluntary Achievement:** The amount of DBE participation achieved and reported in the contract in excess of the assigned goal.

3. DBE Percentage Required at Bid Submission

Indicate the bid percentage (i.e. 0% through 100%) of DBE participation on the completed bidding proposal, including projects with discretionary goals. For electronic submittals, show the percentage in the miscellaneous data folder, Item 3, DBE Percent. For paper submittals, show the percentage on the sheet included after the schedule of items. By submission of the bid, the bidder contractually

commits to DBE participation at or above the bid percentage, or certifies that they have utilized comprehensive good faith efforts to solicit and utilize DBE firms to meet the DBE participation requirements of this contract proposal, and that the bid percentage is reflective of these good faith efforts. If the bidder does not indicate the bid percentage of DBE participation on the completed bidding proposal, the department will consider the bid irregular and may reject the bid.

4. Department's DBE Evaluation Process

a. Documentation Submittal

Within 10 business days after the notification of contract award, the contractor is to identify, by name, the DBE firms whose utilization is intended to satisfy this provision, the items of work of the DBE subcontract or supply agreement and the dollar value of those items of work by completing the Commitment to Subcontract to DBE Form [DT1506] and all necessary attachment A forms, as well as, Good Faith Waiver Form [DT1202] and supporting documentation as necessary. If the contractor fails to furnish the required forms within the specified time, the department may cancel the award. Delay in fulfilling this requirement is not a cause for extension of the contract time and shall not be used as a tool to delay execution.

i. Bidder Meets DBE Goal

If the bidder indicates that the contract DBE goal is met, after award and before execution, the department will evaluate the Commitment to Subcontract to DBE Form DT1506 and attachment A(s) to verify the actual DBE percentage achieved. If the DBE commitment is verified, the contract is eligible for execution with respect to the DBE commitment.

ii. Bidder Does Not Meet DBE Goal

- (1) If the bidder indicates a bid percentage on the Commitment to Subcontract to DBE Form [DT1506] that does not meet the contract DBE goal, the bidder must submit a Good Faith Waiver Form [DT1202] and supporting documentation. After award and before execution, the department will evaluate the bidder's DBE commitment and consider the bidder's good faith waiver request.
- (2) The department will review the bidder's good faith waiver request and notify the bidder of one of the following:
 - a. If the department grants a good faith waiver, the bid is eligible for contract execution with respect to DBE commitment.
 - b. If the department rejects the good faith waiver request, the department may declare the bid ineligible for execution. The department will provide a written explanation of why the good faith waiver request was rejected. The bidder may appeal the department's rejection as allowed under 7 a. & b.

5. Department's Criteria for Good Faith Effort

The Code of Federal Regulations {CFR}, 49 CFR Part 26-Appendix A, is the guiding regulation concerning good faith efforts. However, the federal regulations do not define "good faith" but states that bidder must actively and aggressively attempt to meet the goal. The federal regulations are general and do not include every factor or effort that can be considered. As a result, each state must establish its own processes and consider the factors established in its own process when making a determination of good faith.

- a. The department will only grant a good faith waiver if the bidder has made the effort, given the relevant circumstances under the contract that a bidder actively and aggressively seeking to meet the goal would make. The department will evaluate the bidder's good faith effort to determine whether a good faith waiver will be granted. The bidder must demonstrate, on the DT1202 that they

have aggressively solicited DBE participation in an attempt to meet the contract DBE goal and attaining the stated DBE goal is not feasible.

- b. The department, in conjunction with industry stakeholders, has developed the following guidance for contractor good faith effort. The guidance and the attached appendices provide a framework for the actions required by all parties in the processing and evaluation of bidder's total efforts to achieve the project specific DBE goal prior to the bid letting date.
- c. Prime Contractors should:
 - i. Document all efforts and decisions made toward achieving the DBE goal on the contract. The bidder should use the Civil Rights & Compliance System [CRCS] and related WisDOT-approved DBE outreach tools, including the Bid Express Small Business Network, to foster DBE participation on all applicable contracts.
 - ii. Request quotes by identifying potential items to subcontract and solicit. Prime contractors are strongly encouraged to include in their initial contacts a single page including a detailed list of items for which they are accepting quotes, by project, within a letting. *See attached sample entitled "Sample Contractor Solicitation Letter" in Appendix A.* Prime contractors should also indicate a willingness to accept quotes in areas they are planning to perform themselves, **as required by federal rules**. In some cases, it might be appropriate to use DBE's to do work in a prime contractor's area of specialization.
 - (1) Solicit quotes through all reasonable and available means from certified DBE firms who match 'possible items to subcontract' and send copies to DBESS office, highlighting areas in which you are seeking quotes. Email is acceptable.
 - (2) SBN is the preferred outreach tool. <https://www.bidx.com/wi/main> Other acceptable means include postal mail, email, fax, phone call.
 - a. Primes must ask DBE firms for a response in their solicitations. See *Sample Contractors Solicitation Letter* in Appendix. This letter can be included as an attachment to the SBN sub-quote request.
 - b. Solicit quotes at least 10 calendar days prior to the letting date {ideally two Fridays before the letting} to allow DBE firms sufficient time to respond. Prime contractors should contact DBE firms early, asking them if they need help in putting together a quote, or helping to arrange for equipment needs, or solve other problems.
 - (3) Second solicitation should take place within 5 days
 - a. An email solicitation is highly recommended for this second solicitation
 - (4) Upon request, provide interested DBE firms with adequate information about plans, specifications and the requirements of the contract by letter, information session, email, phone call and/or referral.
 - (5) When potential exists, advise interested DBE firms on how to obtain bonding, line of credit or insurance as may be requested.
 - (6) Document DBE firm's interest in quoting by taking appropriate steps to follow up initial solicitation with:
 - a. Email to all prospective DBE firms in relevant work areas
 - b. Phone call log to DBE firms who express interest via written response or call.
 - c. Fax/letter confirmation
 - d. Copy of the DBE quotes
 - e. Signed copy of Bid Express SBN Record of Subcontractor Outreach Effort.

- d. Evaluate DBE quotes as documentation is critical if the prime does not utilize the DBE firm's quote for any reason.
- i. Evaluate DBE firm's capability to perform 'possible items to subcontract' using legitimate reasons, including but not limited to, **a discussion with the DBE firm** regarding its capabilities prior to the bid letting. If lack of capacity is your reason for not utilizing the DBE quote, you are required to contact the DBE directly regarding their ability to perform the work indicated in the UCP directory as their work area [NAICS code]; only the work area and/or NAICS code listed in the UCP directory will be counted for DBE credit. Documentation of the conversation is required.
 - ii. In striving to meet a DBE conscious contract goal, prime contractors are expected to use DBE quotes that are responsive and reasonable. This includes DBE quotes that are not the low quote.
 - iii. **Special Circumstance:** Evaluation of DBE quotes with tied bid items. "Tied quotes are the condition in which a subcontractor submits quotes including multiple areas of expertise across multiple work areas noting that the items and price are tied. Typically this type of quoting represents a cost saving to the prime but is not clearly stated as a discount; tied quotes are usually presented as 'all or none' quote to the prime." When non-DBE subcontractors submit tied bid items in their quotes to the prime, the DBE firms' quote may seem not competitive. In such a case, the following steps are taken in comparing the relevant quotes. These are qualitative examples.
 - (1) Compare bid items common to both quotes, noting the reasonableness in the price comparison.
 - (2) Review quotes from other firms for the bid items not quoted by the DBE firm to see if combining both can provide the same competitive advantage that the tied bid items offered.
- e. After notification of contract award, submit '**Commitment to Subcontract**' form within the time period specified in the contract.
- i. Provide the following information along with department form DT1202:
 - (1) The names, addresses, e-mail addresses, telephone numbers of DBE's contacted. The dates of both initial and follow-up contact. A printed copy of SBN solicitation is acceptable.
 - (2) A description of information provided to the DBE's regarding the plans, specifications, and estimated quantities for portions of the work to be performed by that DBE.
 - (3) Photocopies or electronic copies of all written solicitations to DBE's.
 - (4) Documentation of each quote received from a DBE and, if rejected, the reason for that rejection.
 - (5) Bidder attendance at any pre-solicitation or pre-bid meetings the department held to inform DBE's of participation opportunities available on the project.
- f. The department's DBE Support Services Office is available by phone, email or in writing to request assistance in meeting the DBE goal:

DBE Support Services Office
6150 Fond du Lac Ave.
Milwaukee, WI 53218
Phone: 414-438-4583 / 608-266-6961
Fax: 414-438-5392
E-mail: DOTDBESupportServices@dot.wi.gov

6. Bidder's Appeal Process

- a. A bidder can appeal the department's decision to deny the bidder's good faith waiver request. The bidder must provide written documentation refuting the specific reasons for rejection as stated in the department's rejection notice. The bidder may meet in person with the department if so requested. Failure to appeal within 7 calendar days after receiving the department's written notice of rejection of a good faith waiver request under constitutes a forfeiture of the bidder's right of appeal. If the bidder does not appeal, the department may declare the bid ineligible for execution.
- b. The department will appoint a representative, who did not participate in the original determination, to assess the bidder's appeal. The department will issue a written decision within 7 calendar days after the bidder presents all written and oral testimony. In that written decision, the department will explain the basis for finding that the bidder did or did not meet the contract DBE goal or make an adequate good faith effort to meet the contract DBE goal. The department's decision is final. If the department finds that the bidder did not meet the contract DBE goal or did not make adequate efforts to meet the DBE goal, the department may declare the bid ineligible for execution.

7. Department's Criteria for DBE Participation**Department's DBE List**

- a. The department maintains a DBE list on the department's website
<http://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/ucp-directory.xlsx>
- b. The DBE office is also available to assist at 414-438-4583 or 608-266-6961.

8. Counting DBE Participation**Assessing DBE Work**

- a. The department will only count the DBE usage towards the contract DBE goal if the DBE firm is certified as a DBE by one of the unified certification program agencies. If a firm becomes DBE certified before entering into a subcontract, the department may consider that DBE usage towards the contract goal. The department only counts the value of the work a DBE actually performs towards the DBE goal. The department assesses the DBE work as follows:
- b. The department counts work performed by the DBE's own resources. The department includes the cost of materials and supplies the DBE obtains for the work. The department also includes the cost of equipment the DBE leases for the work. The department will not include the cost of materials, supplies, or equipment the DBE purchases or leases from the prime contractor or its affiliate, except the department will count non-project specific leases the DBE has in place before the work is advertised.
- c. The department counts fees and commissions the DBE charges for providing a bona fide professional, technical, consultant, or managerial services. The department also counts fees and commissions the DBE charges for providing bonds or insurance. The department will only count costs the engineer deems reasonable based on experience or prevailing market rates.
- d. If a DBE subcontracts work, the department counts the value of the subcontracted work only if the DBE's subcontractor is also a DBE.
- e. The contractor shall maintain records and may be required to furnish periodic reports documenting its performance under this item.
- f. It is the prime contractor's responsibility to determine the DBE's ability to perform the work with the use of the UCP directory.

9. Commercially Useful Function

- a. The department counts expenditures of a DBE toward the DBE goal only if the DBE is performing a commercially useful function on that contract.
- b. A DBE is performing a commercially useful function if the following conditions are met:
- c. For contract work, the DBE is responsible for executing a distinct portion of the contract work and it is carrying out its responsibilities by actually performing, managing, and supervising that work.
- d. For materials and supplies, the DBE is responsible for negotiating price, determining quality and quantity, ordering, and paying for those materials and supplies.

10. Trucking

All bidders are expected to adhere to the department's current trucking policy posted on the HCCI website

<http://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/trucking-utilization-policy.pdf>

11. Manufacturers and Suppliers

The department counts material and supplies a DBE provides under the contract. The department will give full credit toward the DBE goal if the DBE is a manufacturer of those materials or supplies. The department will give 60 percent credit toward the DBE goal if the DBE is merely a supplier of those materials or supplies. It is the bidder's responsibility to find out if the DBE is considered a supplier or a manufacturer before listing them on Commitment to Subcontract to DBE form DT1506.

12. DBE Prime

If the prime contractor is a DBE, the department will only count the work the contractor performs with its own forces, the work DBE subcontractors perform, and the work DBE suppliers or manufacturers perform.

13. Joint Venture

If a DBE performs as a participant in a joint venture, the department will only count that portion of the total dollar value of the contract equal to that portion of the work that the DBE performs with its own forces.

14. Mentor Protégé

- a. If a DBE performs as a participant in a mentor protégé agreement, the department will credit the portion of the work performed by the DBE protégé firm
- b. On every other project that the mentor protégé team identifies itself on.
- c. For no more than one half of the total contracted DBE goal on any WisDOT project.

15. DBE Replacement

In the event a Prime Contractor needs to replace a DBE firm originally listed on the approved DBE Commitment Form DT1506, the Prime Contractor must comply with the department's DBE Replacement Policy located on the DBE page on the following web site:

<http://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/policy-statement.pdf>

16. Changes to the approved DBE Commitment Form DT1506

If there are any changes to the approved Commitment to Subcontract to DBE Form DT1506, the prime contractor must submit a revised DBE Commitment Form DT1506 and relevant attachment A(s) to the DBE Programs Office within 5 business days.

17. Contract Modifications

When additional opportunity is available by contract modifications, the Prime Contractor shall utilize DBE Subcontractors that were committed to equal work items, in the original contract.

18. Payment

Costs for conforming to this Additional Special Provision (ASP) and any associated DBE requirements are incidental to the contract.

APPENDIX A
Sample Contractor Solicitation Letter Page 1
This sample is provided as a guide not a requirement

GFW SAMPLE MEMORANDUM

TO: DBE FIRMS
FROM: POTENTIAL PRIME CONTRACTOR OR MAJOR SUBCONTRACTOR
SUBJECT: REQUEST FOR DBE QUOTES
LET DATE & TIME
DATE: MONTH DAY YEAR
CC: DBE OFFICE ENGINEER

Our company is considering bidding on the projects indicated on the next page, as a prime and/or a subcontractor for the Wisconsin Department of Transportation Month- date -year Letting. Page 2 lists the projects and work items that we may subcontract for this letting. We are interested in obtaining subcontractor quotes for these projects and work categories. Also note that we are willing to accept quotes in areas we may be planning to perform ourselves as required by federal rules.

Please review page 2, respond whether you plan to quote, highlight the projects and work items you are interested in performing and return it via fax or email within 3 days. Plans, specifications and addenda are available through WisDOT at the DBE Support Services office or at the Highway Construction Contract Information (HCCI) site at <http://roadwaystandards.dot.wi.gov/hcci/>

Your quote should include all of the costs required to complete the items you propose to perform including labor, equipment, material, and related bonding or insurance. The quote should note items that you are DBE certified to perform, tied items, and any special terms. Page 2, with the indicated projects and items you plan to quote, should be used as a cover sheet for your quote.

Please make every effort to have your quotes into our office by time deadline the prior to the letting date. **Make sure the correct letting date, project ID and proposal number, unit price and extension are included in your quote.** We prefer quotes be sent via SBN but prime's alternative's are acceptable. Our office hours are include hours and days. Please call our office as soon as possible prior to the letting if you need information/clarification to prepare your quote at contact number.

If you wish to discuss or evaluate your quote in more detail, contact us after the contract is awarded. Status of the contract can be checked at WisDOT's HCCI site at <http://roadwaystandards.dot.wi.gov/hcci/>

All questions should be directed to:

Project Manager, John Doe,
Phone: (000) 123-4567
Email: Joe@joetheplumber.com
Fax: (000) 123- 4657

Sample Contractor Solicitation Letter Page 2

This sample is provided as a guide not a requirement

REQUEST FOR QUOTATION

Prime's Name: _____

Letting Date: _____

Project ID: _____

Please check all that apply

- ☐ Yes, we will be quoting on the projects and items listed below
- ☐ No, we are not interested in quoting on the letting or its items referenced below
- ☐ Please take our name off your monthly DBE contact list
- ☐ We have questions about quoting this letting. Please have some one contact me at this number

Prime Contractor 's Contact Person

Phone: _____
Fax: _____
Email: _____

DBE Contractor Contact Person

Phone _____
Fax _____
Email _____

Please circle the jobs and items you will be quoting below

Proposal No.	1	2	3	4	5	6	7
County							

WORK DESCRIPTION:

Clear and Grub	X		X	X		X	X
Dump Truck Hauling	X		X	X		X	X
Curb & Gutter/Sidewalk, Etc.	X		X	X		X	X
Erosion Control Items	X		X	X		X	X
Signs and Posts/Markers	X		X	X		X	X
Traffic Control		X	X	X		X	X
Electrical Work/Traffic Signals		X	X	X		X	
Pavement Marking		X	X	X	X	X	X
Sawing Pavement		X	X	X	X	X	X
QMP, Base	X	X		X	X	X	X
Pipe Underdrain	X			X			
Beam Guard				X	X	X	X
Concrete Staining							X
Trees/Shrubs	X						X

Again please make every effort to have your quotes into our office by time deadline prior to the letting date.

We prefer quotes be sent via SBN but prime's preferred alternative's are acceptable.

If there are further questions please direct them to the prime contractor's contact person at phone number.

APPENDIX B BEST PRACTICES FOR PRIME CONTRACTOR & DBE SUBCONTRACTOR GOOD FAITH EFFORT

This list is not a set of requirements; it is a list of potential strategies

Primes

- Prime contractor open houses inviting DBE firms to see the bid “war room” or providing technical assistance
- Participate in speed networking and mosaic exercises as arranged by DBE office
- Host information sessions not directly associated with a bid letting;
- Participate in a formal mentor protégé or joint venture with a DBE firm
- Participate in WisDOT advisory committees i.e. TRANSAC, or Mega Project committee meetings
- Facilitate a small group DBE ‘training session’ Clarifying how your firm prepares for bid letting, evaluates subcontractors, preferred qualifications and communication methods
- Encourage subcontractors to solicit and highlight DBE participation in their quotes to you
- Quality of communication, not quantity creates the best results. Contractors should do as thorough a job as possible in communicating with DBE firms before the bid and provide any assistance requested to assure best possible bid.

DBE

- DBE firms should contact primes as soon as possible with questions regarding their quotes or bid; seven days prior is optimal.
- Continually check for contract addendums on the HCCI website through the Thursday prior to letting to stay abreast of changes.
- Review the status of contracts on the HCCI website reviewing the ‘apparent low bidder’ list, and bid tabs at a minimum.
- Prepare a portfolio or list of related projects and prime and supplier references; be sure to note transportation-related projects of similar size and scope, firm expertise and staffing.
- Participate in DBE office assessment programs
- Participate on advisory and mega-project committees
- Sign up to receive the DBE Contracting Update
- Consider membership in relevant industry or contractor organizations
- Active participation is a must. Quote as many projects as you can reasonably work on; quoting the primes and bidding as a prime with the department are the only ways to get work.

APPENDIX C

Types of Efforts considered in determining GFE

This list represents concepts being assessed; analysis requires additional steps

1. Whether the contractor attended any pre-solicitation or pre-bid meetings that were scheduled by WisDOT to inform DBEs of contracting and subcontracting opportunities;
2. Whether the contractor provided written notice to a reasonable number of specific DBEs that their interest in the contract was being solicited, in sufficient time to allow the DBEs to participate effectively;
3. Whether the contractor followed up initial solicitations of interest by contacting DBEs to determine if the DBEs were interested; returned the phone calls of interested DBE firms.
4. Whether the contractor selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the DBE goal;
5. Whether the contractor provided interested DBEs with adequate information about the plans, specifications and requirements of the contract;
6. Whether the contractor negotiated in good faith with interested DBEs, not rejected DBEs as unqualified without sound reasons based on a thorough investigation of their capabilities;
7. Whether the contractor made efforts to assist interested DBEs in being more competitive.
8. Whether the contractor effectively used the services of available minority community organizations: minority contractors groups, local, state, and Federal minority business assistance offices, and other organizations that provide assistance to small businesses and DBE firms.
9. Whether Prime used CRCS to identify DBE who specialize in relevant work areas.
10. Whether the contractor used available resources including contacting the DBE office, using WisDOT's website
11. Whether the contractor returned calls of firms expressing interest in a timely manner.

APPENDIX D
Good Faith Effort Evaluation Guidance
Excerpt from Appendix A of 49 CFR Part 26

APPENDIX A TO PART 26 -- GUIDANCE CONCERNING GOOD FAITH EFFORTS

- I. When, as a recipient, you establish a contract goal on a DOT assisted contract, a bidder must, in order to be responsible and/or responsive, make good faith efforts to meet the goal. The bidder can meet this requirement in either of two ways. First, the bidder can meet the goal, documenting commitments for participation by DBE firms sufficient for this purpose. Second, even if it doesn't meet the goal, the bidder can document adequate good faith efforts. This means that the bidder must show that it took all necessary and reasonable steps to achieve a DBE goal or other requirement of this part which, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not fully successful.
- II. In any situation in which you have established a contract goal, part 26 requires you to use the good faith efforts mechanism of this part. As a recipient, it is up to you to make a fair and reasonable judgment whether a bidder that did not meet the goal made adequate good faith efforts. It is important for you to consider the quality, quantity, and intensity of the different kinds of efforts that the bidder has made. The efforts employed by the bidder should be those that one could reasonably expect a bidder to take if the bidder were actively and aggressively trying to obtain DBE participation sufficient to meet the DBE contract goal. Mere pro forma efforts are not good faith efforts to meet the DBE contract requirements. We emphasize, however, that your determination concerning the sufficiency of the firm's good faith efforts is a judgment call: meeting quantitative formulas is not required.
- III. The Department also strongly cautions you against requiring that a bidder meet a contract goal (i.e., obtain a specified amount of DBE participation) in order to be awarded a contract, even though the bidder makes an adequate good faith efforts showing. This rule specifically prohibits you from ignoring bona fide good faith efforts.
- IV. The following is a list of types of actions which you should consider as part of the bidder's good faith efforts to obtain DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.
 - A. Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBEs who have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBEs to respond to the solicitation. The bidder must determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.
 - B. Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces.
 - C. Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.

- D.
 - (1) Negotiating in good faith with interested DBEs. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBEs to perform the work.
 - (2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Prime contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.
 - E. Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non solicitation of bids in the contractor's efforts to meet the project goal.
 - F. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or contractor.
 - G. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.
 - H. Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.
- V. In determining whether a bidder has made good faith efforts, you may take into account the performance of other bidders in meeting the contract. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional reasonable efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts.

Appendix E

Small Business Network [SBN] Overview

The Small Business Network is a part of the Bid Express® service that was created to ensure that prime bidders have a centralized online location to find subs - including small and disadvantaged business enterprises (DBEs). It is available for prime bidders to use as part of their Basic Service subscription. Within the Small Business Network, **Prime Contractors** can:

1. Easily select proposals, work types and items:
 - a. After adding applicable work types, select items that you wish to quote. Enter the sub-quote quantities and add comments, if desired. Adding or removing items and work types can be done quickly. If needed, you can save the sub-quote for completion at a later time.
2. Create sub-quotes for the subcontracting community:
 - a. Create sub-quotes with ease using the intuitive sub-quote creator. In seven short steps, you can rapidly create a custom sub-quote directed to all subcontractors that bid on the applicable work types. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
 - b. Create a sub-quote to send to subcontractors or suppliers that lists the items in a proposal that you want quoted
 - c. Create an unlimited number of sub-quotes for items you want quoted, and optionally mark them as a DBE-preferred request
 - d. Add attachments to sub-quotes
3. View sub-quote requests & responses:
 - a. After logging into the Bid Express service, you can quickly review all of your sub-quote requests and all unsolicited sub-quote requests from subcontractors. To simplify the Small Business Network home screen, sub-quote requests can be hidden with one click if they are not applicable.
 - b. View or receive unsolicited sub-quotes that subcontractors have posted, complete with terms, conditions and pricing
4. View Record of Subcontractor Outreach Effort:
 - a. For each sub-quote produced, a *Record of Subcontractor Outreach Effort* is generated that shows the response statistics for a particular sub-quote. If accepted by the letting agency, this report may serve as proof of a “Good Faith” effort in reaching out to the DBE community.
 - b. Easily locate pre-qualified and certified small and disadvantaged businesses
 - c. Advertise to small and disadvantaged businesses more efficiently and cost effectively
 - d. Document your interactions with subs/DBEs by producing an Outreach Report (may be accepted as proof of DBE outreach at the discretion of each agency)

The Small Business Network is a part of the Bid Express® service that was created to ensure that small businesses have a centralized area to access information about upcoming projects. It can help small businesses learn more about opportunities, compete more effectively, network with other contractors and subcontractors, and win more jobs.

1. View and reply to sub-quote requests from primes:
 - a. After logging into the Bid Express service, you can quickly review all incoming sub-quote requests and all unsolicited sub-quotes created by your company. Receive notifications by selected work type. To simplify on the Small Business Network home screen, sub-quote requests can be filtered by work types relevant to your interests, or hidden with one click if they are not applicable.
2. Select items when responding to sub-quote requests from primes:
 - a. You have the freedom to choose and price any number of items when responding to a sub-quote request. Quantities can be modified, and per-item comments are also available.
 - b. View requests for sub-quotes for work that primes have posted for projects they are bidding, add your pricing, terms, and conditions, and submit completed sub-quotes to the requesting primes
 - c. Add attachments to a sub-quote
3. Create and send unsolicited sub-quotes to specific contractors:
 - a. Create unsolicited sub-quotes with ease using the intuitive sub-quote creator. In eight short steps, you can rapidly create a custom sub-quote directed at any number of specific vendors of your choosing. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
4. Easily select and price items for unsolicited sub-quotes:
 - a. After adding applicable work types, select items that you wish to quote. The extended price calculates automatically, cutting out costly calculation errors. Comments can be provided on an per-item basis as well.
 - b. Create an unsolicited sub-quote that lists the items from a proposal that you want to quote, include pricing, terms and conditions, and send it to selected prime/plan holder
 - c. Add attachments to a sub-quote
 - d. Add unsolicited work items to sub-quotes that you are responding to
5. Easy Access to Valuable Information
 - a. Receive a confirmation that your sub-quote was opened by a prime
 - b. View Bid Tab Analysis data from past bids, including the high, average and low prices of items.
 - c. View important notices and publications from DOT targeted to small and disadvantaged businesses
6. Accessing Small Business Network for WisDOT contracting opportunities
 - a. If you are a contractor not yet subscribing to the Bid Express service, go to **www.bidx.com** and select “Order Bid Express.” The Small Business Network is a part of the Bid Express Basic Service.
 - b. DBE firms can request a Bid Express Small Business Network Account at no cost by calling 414-438-4588

ADDITIONAL SPECIAL PROVISION 4

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

Release of Routine Retainage

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

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

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

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

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

Make the following revisions to the standard specifications:

450.3.2.1 General

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

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

450.5 Payment

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

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

455.3.2.1 General

Replace the paragraphs one and two with the following effective with the January 2015 letting:

- (1) Apply tack coat only when the air temperature is 32 F or more unless the engineer approves otherwise in writing. Before applying tack coat ensure that the surface is dry and reasonably free of loose dirt, dust, or other foreign matter. Do not apply if weather or surface conditions are unfavorable or before impending rains.
- (2) Use tack material of the type and grade the contract specifies. The contractor may, with the engineer's approval, dilute tack material as allowed under 455.2.4. Provide calculations using the asphalt content as-received from the supplier and subsequent contractor dilutions to show that as-placed material has 50 percent or more residual asphalt content. Apply at 0.050 to 0.070 gallons per square yard, after dilution, unless the contract designates otherwise. The engineer may adjust the application rate based on surface conditions. Limit application each day to the area the contractor expects to pave during that day.

460.2.2.3 Aggregate Gradation Master Range

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

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

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

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

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

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

460.3.4 Cold Weather Paving

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

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

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

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

460.3.4.2 Cold Weather Paving Operations

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

460.4 Measurement

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

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

460.5.1 General

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

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

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

460.5.2.2 Disincentive for HMA Pavement Density

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

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

460.5.2.4 Cold Weather Paving

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

460.5.2.4 Cold Weather Paving

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

465.2 Materials

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

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

506.3.2 Shop Drawings

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

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

Bid Items Added

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

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

Errata

Make the following corrections to the standard specifications:

501.3.2.4.4 Water Reducer

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

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

506.5 Payment

Correct errata by changing the reference to 506.3.22.

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

ADDITIONAL SPECIAL PROVISION 7

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

ADDITIONAL SPECIAL PROVISION 9

Electronic Certified Payroll Submittal

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

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

(2) Ensure that all tiers of subcontractors, as well as all trucking firms, submit their weekly certified payrolls electronically through CRCS. These payrolls are due within seven calendar days following the close of the payroll period. Every firm providing physical labor towards completing the project is a subcontractor under this special provision.

(3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin payrolls. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Tess Mulrooney at 608-267-4489 to schedule the training.

(4) The department will reject all paper submittals of forms DT-1816 and DT-1929 for information required under this special provision. All costs for conforming to this special provision are incidental to the contract.

(5) Firms wishing to export payroll data from their computer system into CRCS should have their payroll coordinator send several sample electronic files to Tess two months before a payroll needs to be submitted. Not every contractor's payroll system is capable of producing export files. For details, see pages 17-22 of the CRCS System Background Information manual available online on the Labor, Wages, and EEO Information page at:

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

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or

will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

SEPTEMBER 2002

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE
EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)**

1. The Offeror's or Bidder's attention is called to the "Employment Practices" and "Equal Opportunity Clause" set forth in the Required Contract Provisions, FHWA 1273.
2. The goals and timetables for minority and female participation expressed in percentage terms for the contractor's aggregate work force in each trade, on all construction work in the covered area, are as follows:

Goals for Minority Participation for Each Trade:

<u>County</u>	<u>%</u>	<u>County</u>	<u>%</u>	<u>County</u>	<u>%</u>
Adams	1.7	Iowa	1.7	Polk	2.2
Ashland	1.2	Iron	1.2	Portage	0.6
Barron	0.6	Jackson	0.6	Price	0.6
Bayfield	1.2	Jefferson	7.0	Racine	8.4
Brown	1.3	Juneau	0.6	Richland	1.7
Buffalo	0.6	Kenosha	3.0	Rock	3.1
Burnett	2.2	Kewaunee	1.0	Rusk	0.6
Calumet	0.9	La Crosse	0.9	St. Croix	2.9
Chippewa	0.5	Lafayette	0.5	Sauk	1.7
Clark	0.6	Langlade	0.6	Sawyer	0.6
Columbia	1.7	Lincoln	0.6	Shawano	1.0
Crawford	0.5	Manitowoc	1.0	Sheboygan	7.0
Dane	2.2	Marathon	0.6	Taylor	0.6
Dodge	7.0	Marinette	1.0	Trempealeau	0.6
Door	1.0	Marquette	1.7	Vernon	0.6
Douglas	1.0	Menominee	1.0	Vilas	0.6
Dunn	0.6	Milwaukee	8.0	Walworth	7.0
Eau Claire	0.5	Monroe	0.6	Washburn	0.6
Florence	1.0	Oconto	1.0	Washington	8.0
Fond du Lac	1.0	Oneida	0.6	Waukesha	8.0
Forest	1.0	Outagamie	0.9	Waupaca	1.0
Grant	0.5	Ozaukee	8.0	Waushara	1.0
Green	1.7	Pepin	0.6	Winnebago	0.9
Green Lake	1.0	Pierce	2.2	Wood	0.6

Goals for female participation for each trade: 6.9%

These goals are applicable to all the contractor's construction work, (whether or not it is federal or federally assisted), performed in the covered area. If the contractor performs construction work in the geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The contractor's compliance with the Executive Order and the Regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project for the sole purpose of meeting the contractor's goals shall be a violation of the contract, the Executive Order and the Regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor, employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

As referred to in this section, the Director means:

Director
Office of Federal Contract Compliance Programs
Ruess Federal Plaza
310 W. Wisconsin Ave., Suite 1115
Milwaukee, WI 53202

The "Employer Identification Number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.

4. As used in this notice, and in the contract resulting from solicitation, the "covered area" is the county(ies) in Wisconsin to which this proposal applies.

APRIL 2013

ADDITIONAL FEDERAL-AID PROVISIONS

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidding collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

Effective August 2015 letting

BUY AMERICA PROVISION

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

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

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

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

Effective with September 2004 Letting

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

SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS

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

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

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

While the wage rates shown are the minimum rates required by the contract to be paid during its life, this is not a representation that labor can be obtained at these rates. It is the responsibility of bidders to inform themselves as to the local labor conditions and prospective changes or adjustments of wage rates. No increase in the contract price shall be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

Pursuant to Section 103.50 of the Wisconsin Statutes, the prevailing hours of labor have been determined to be up to 10 hours per day and 40 hours per calendar week Monday through Friday. If any laborer, worker, mechanic or truck driver is permitted or required to work more than the prevailing number of hours per day or per calendar week on this contract, they shall be paid for all hours in excess of the prevailing hours at a rate of at least one and one-half (1 1/2) times their hourly rate of pay. All work on Saturday, Sunday and the following holidays is to be paid at time and a half: (1) January 1, (2) the last Monday in May, (3) July 4, (4) the first Monday in September, (5) the fourth Thursday in November, (6) December 25, (7) the day before if January 1, July 4 or December 25 falls on a Saturday and (8) the day following if January 1, July 4 or December 25 falls on a Sunday.

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

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

II. PAYROLL REQUIREMENTS

All contractors and subcontractors must submit weekly Certified Payrolls and Compliance Statement verifying that all laborers, workers, mechanics and truck drivers working on the project have been paid the prevailing wage rates for all work performed under the contract required by Section 103.50 of the Wisconsin Statutes.

III. POSTINGS AT THE SITE OF THE WORK

In addition to the required postings furnished by the Department, the contractor shall post the following in at least one conspicuous place at the site of work:

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

IV. WAGE RATE REDISTRIBUTION

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

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

V. ADDITIONAL CLASSIFICATIONS

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

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

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

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

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

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

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

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

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

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

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

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Bricklayer, Blocklayer or Stonemason	35.37	17.99	53.36
Carpenter	34.13	20.61	54.74
Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.65/hr on 6/1/2016. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Cement Finisher	32.75	19.21	51.96
Future Increase(s): Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
Electrician	33.93	22.77	56.70
Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Fence Erector	23.73	19.09	42.82
Ironworker	30.77	23.97	54.74
Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Line Constructor (Electrical)	39.50	21.04	60.54
Painter	29.22	16.69	45.91
Pavement Marking Operator	30.27	18.79	49.06
Piledriver	30.11	26.51	56.62
Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.60/hr on 6/1/2016. Premium Pay: Add \$.65/hr for Piledriver Loftsman; Add \$.75/hr for Sheet Piling Loftsman. DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	\$	\$	\$
Roofer or Waterproofer	29.40	17.05	46.45
Teledata Technician or Installer	24.89	17.15	42.04
Tuckpointer, Caulker or Cleaner	33.76	17.82	51.58
Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12
Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	15.19	46.79
Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	12.83	38.51
Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	11.63	33.38

TRUCK DRIVERS

Single Axle or Two Axle	25.18	18.31	43.49
Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Three or More Axle	28.75	13.54	42.29
Articulated, Euclid, Dumptror, Off Road Material Hauler	30.27	21.15	51.42
Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .			
Pavement Marking Vehicle	23.16	17.13	40.29
Shadow or Pilot Vehicle	24.37	17.77	42.14
Truck Mechanic	28.75	13.54	42.29

LABORERS

General Laborer	27.06	20.03	47.09
Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Pay: Add \$.15/hr for air tool operator, joint sawer and filler (pavement), vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.35/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.50/hr for line and grade specialist; Add \$.65/hr for blaster and powderman; Add \$2.01/hr for topman; Add \$2.46/hr for bottomman; Add \$3.23/hr for pipelayer. / DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Asbestos Abatement Worker	22.05	18.41	40.46
Landscaper	27.06	20.03	47.09
Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	\$	\$	\$
Flagperson or Traffic Control Person	23.55	20.03	43.58
Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.71	16.01	33.72
Railroad Track Laborer	14.50	4.07	18.57

HEAVY EQUIPMENT OPERATORS

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

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

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: June 26, 2015

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits		Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$27.51	19.35			
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer	27.66	19.35			
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man	27.86	19.35			
Group 4: Line and Grade Specialist	28.01	19.35			
Group 5: Blaster and Powderman	28.16	19.35			
Group 6: Flagperson traffic control person	24.00	19.35			

Truck Drivers:

1 & 2 Axles	25.18	18.31
Three or More Axles; Euclids, Dumptr & Articulated, Truck Mechanic	25.38	18.31

CLASSES OF LABORER AND MECHANICS

Bricklayer	35.37	18.47
Carpenter	30.52	14.41
Piledriverman	27.25	19.46
Ironworker	30.77	23.96
Cement Mason/Concrete Finisher	30.69	17.53
Electrician	See Page 3	
Line Construction		
Lineman	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator	32.65	32% + 5.00
Heavy Groundman Driver	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Millwrights	26.32	13.98
Painter, Brush	29.52	20.04
Painter, Spray and Sandblaster	30.27	20.04
Painter, Bridge	29.87	20.04
Well Drilling:		
Well Driller	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: June 26, 2015

<u>POWER EQUIPMENT OPERATORS CLASSIFICATION:</u>	<u>Basic Hourly Rates</u>	<u>Fringe Benefits</u>	<u>POWER EQUIPMENT OPERATORS CLASSIFICATION: (Continued)</u>	<u>Basic Hourly Rates</u>	<u>Fringe Benefits</u>
Group 1: Cranes, tower cranes and derricks, with or without attachments, with a lifting capacity of over 100 tons or cranes, tower cranes and derricks with boom, leads and/or jib lengths measuring 176 feet or longer	\$38.27	\$21.55	(scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader hydraulic backhoe (tractor-type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller (over 5 tons); percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches and A-frames; post driver; material hoist operator.	\$37.27	\$21.55
Group 2: Cranes, tower cranes and derricks, with or without attachments, with a lifting capacity of 100 tons or less or cranes, tower cranes and derricks with boom, leads and/or jib lengths measuring 175 feet or less, and backhoes (excavators) having a manufacturer's rated capacity of 3 cu. yds. and over, caisson rigs, pile driver, dredge operator, dredge engineer.	\$37.77	\$21.55	Group 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self-propelled; tractor (mounted or towed compactors and light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint saw (multiple blade) belting machine; burlap machine; texturing machine; tractor, endloader (rubber tired) - light; jeep digger; fork lift; mulcher; launch operator; fireman; environmental burner.	\$37.01	\$21.55
Group 3: Mechanic or welder - heavy duty equipment, cranes with a lifting capacity of 25 tons or less, concrete breaker (manual or remote); vibrator/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pavement spreader - heavy duty (rubber tired); concrete spreader and distributor, automatic subgrader (concrete); concrete grinder and planing machine; concrete slipform curb and gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi and over); bridge paver; concrete conveyor system; concrete pump; stabilizing mixer (self propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter and grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer and scarifier; backhoes (excavators) having a manufacturers rated capacity of under 3 cu. yds.; grader or motor patrol; tractor			Group 5: Air compressor; power pack; vibratory hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; concrete proportioning plants generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; oiler; pump (over 3 inches); drilling machine helper.	\$36.72	\$21.55
			Group 6: Off - road material hauler with or without ejector	\$30.82	\$21.55
			Premium Pay: EPA Level "A" protection - \$3.00 per hour EPA Level "B" protection - \$2.00 per hour EPA Level "C" protection - \$1.00 per hours		

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: June 26, 2015

LABORERS CLASSIFICATION:

Rates

Benefits

			Area 4 -	BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE (Wausauke and area south thereof), OCONTO, MENOMINEE (East of a line 6 miles West of the West boundary of Oconto County), SHAWANO (except area North of Townships of Aniwa and Hutchins) COUNTIES.
Electricians				
Area 1	\$29.00	26.5%+ 9.15		
Area 2:				
Electricians.....	30.59	18.43	Area 5 -	ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Area North of the town of Wausauke), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Area North of the townships of Aniwa and Hutchins), VILAS AND WOOD COUNTIES
Area 3:				
Electrical contracts under \$130,000	26.24	16.85		
Electrical contracts over \$130,000	29.41	16.97		
Area 4:	29.32	28.50% + 9.27		
Area 5	28.96	24.85% + 9.70		
Area 6	35.25	19.30	Area 6 -	KENOSHA COUNTY
Area 8				
Electricians.....	31.30	24.93% + 10.40	Area 8 -	DODGE, (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington township), ROCK and WALWORTH COUNTIES
Area 9:				
Electricians.....	34.82	19.575		
Area 10	29.64	20.54	Area 9 -	COLUMBIA, DANE, DODGE, (area west of Hwy. 26, except Chester & Emmet Townships), GREEN LAKE (except townships of Berlin, Seneca and St. Marie), IOWA, MARQUETTE (except townships of Neshkoka, Crystal Lake, Newton and Springfield), and SAUK COUNTIES
Area 11	32.54	24.07		
Area 12	32.87	19.23	Area 10 -	CALUMET (Township of New Holstein), DODGE (East of Hwy. 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES
Area 13	33.93	22.67		
Teledata System Installer				
Area 14			Area 11 -	DOUGLAS COUNTY
Installer/Technician	22.50	12.72		
Sound & Communications			Area 12 -	RACINE (except Burlington township) COUNTY
Area 15				
Installer	16.47	14.84	Area 13 -	MILWAUKEE, OZAUKEE, WASHINGTON and WAUKESHA COUNTIES
Technician	26.00	17.70	Area 14 -	Statewide.
Area 1 -			Area 15 -	DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES.
CALUMET (except township of New Holstein), GREEN LAKE (N. part, including Townships of Berlin, St. Marie and Seneca), MARQUETTE (N. part, including Townships of Crystal Lake, Neshkoro, Newton & Springfield), OUTAGAMIE, WAUPACA, WAUSHARA and WINNEBAGO COUNTIES.				
Area 2 -				
ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Mayville, Colby, Unity, Sherman, Fremont, Lynn and Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST. CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON and WASHBURN COUNTIES				
Area 3 -				
FLORENCE (townships of Aurora, Commonwealth, Fern, Florence and Homestead), MARINETTE (Niagara township)				

FEBRUARY 1999

**NOTICE TO BIDDERS
WAGE RATE DECISION**

The wage rate decision of the Secretary of Labor which has been incorporated in these advertised specifications is incomplete in that the classifications may be omitted from the Secretary of Labor's decision.

Since the bidder is responsible, independently, for ascertaining area practice with respect to the necessity, or lack of necessity, for the use of these classifications in the prosecution of the work contemplated by this project, no inference may be drawn from the omission of these classifications concerning prevailing area practices relative to their use. Further, this omission will not, per se, be construed as establishing any governmental liability for increased labor cost if it is subsequently determined that such classifications are required.

There may be omissions and/or errors in the federal wage rates. The bidder is responsible for evaluating and determining the correct applicable rate. The higher of state or federal rate will apply.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

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

SECTION 0001 Roadway Items

0010	108.4400 CPM Progress Schedule	1.000 EACH	.		.	
0020	201.0110 Clearing	1,662.000 SY	.		.	
0030	201.0210 Grubbing	1,314.000 SY	.		.	
0040	203.0100 Removing Small Pipe Culverts	3.000 EACH	.		.	
0050	203.0200 Removing Old Structure (station) 0001. 65+12	LUMP	LUMP		.	
0060	203.0225.S Debris Containment (structure) 0001. B-67-62	LUMP	LUMP		.	
0070	203.0225.S Debris Containment (structure) 0002. B-67-63	LUMP	LUMP		.	
0080	203.0225.S Debris Containment (structure) 0003. B-67-234	LUMP	LUMP		.	
0090	203.0225.S Debris Containment (structure) 0004. B-67-235	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0100	203.0700.S Removing Old Structure Over Waterway With Debris Capture System (station) 0003. 301+00	LUMP	LUMP			.
0110	204.0100 Removing Pavement	SY 2,441.000	.		.	
0120	204.0115 Removing Asphaltic Surface Butt Joints	SY 9,422.000	.		.	
0130	204.0125 Removing Asphaltic Surface Milling	TON 2,779.000	.		.	
0140	204.0150 Removing Curb & Gutter	LF 172.000	.		.	
0150	204.0155 Removing Concrete Sidewalk	SY 79.000	.		.	
0160	204.0165 Removing Guardrail	LF 2,880.000	.		.	
0170	204.0175 Removing Concrete Slope Paving	SY 4.000	.		.	
0180	204.0195 Removing Concrete Bases	EACH 2.000	.		.	
0190	204.0220 Removing Inlets	EACH 2.000	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0200	205.0100 Excavation Common	32,435.000 CY	.		.	
0210	208.0100 Borrow	639.000 CY	.		.	
0220	213.0100 Finishing Roadway (project) 0001. 1060-44-70	1.000 EACH	.		.	
0230	305.0110 Base Aggregate Dense 3/4-Inch	1,914.000 TON	.		.	
0240	305.0120 Base Aggregate Dense 1 1/4-Inch	34,434.000 TON	.		.	
0250	305.0500 Shaping Shoulders	131.000 STA	.		.	
0260	311.0110 Breaker Run	8,429.000 TON	.		.	
0270	312.0110 Select Crushed Material	6,603.000 TON	.		.	
0280	415.0090 Concrete Pavement 9-Inch	1,320.000 SY	.		.	
0290	415.0410 Concrete Pavement Approach Slab	1,165.000 SY	.		.	
0300	416.0610 Drilled Tie Bars	38.000 EACH	.		.	

Wisconsin Department of Transportation

PAGE: 4

DATE: 07/17/15

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0310	416.0620 Drilled Dowel Bars	32.000 EACH	.		.	
0320	455.0120 Asphaltic Material PG64-28	471.000 TON	.		.	
0330	455.0605 Tack Coat	2,699.000 GAL	.		.	
0340	460.1110 HMA Pavement Type E-10	7,116.000 TON	.		.	
0350	460.2000 Incentive Density HMA Pavement	4,600.000 DOL	1.000000		4600.00	
0360	465.0125 Asphaltic Surface Temporary	4,982.000 TON	.		.	
0370	465.0400 Asphaltic Shoulder Rumble Strips	41,734.000 LF	.		.	
0380	502.0100 Concrete Masonry Bridges	4.000 CY	.		.	
0390	502.3100 Expansion Device (structure) 0001. B-67-62	LUMP	LUMP		.	
0400	502.3100 Expansion Device (structure) 0002. B-67-63	LUMP	LUMP		.	
0410	502.3100 Expansion Device (structure) 0003. B-67-69	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0420	502.3100 Expansion Device (structure) 0004. B-67-234	LUMP	LUMP			.
0430	502.3100 Expansion Device (structure) 0005. B-67-235	LUMP	LUMP			.
0440	502.3200 Protective Surface Treatment	17,211.000 SY	.		.	
0450	502.3215.S Protective Surface Treatment Reseal	2,382.000 SY	.		.	
0460	502.5002 Masonry Anchors Type L No. 4 Bars	133.000 EACH	.		.	
0470	502.5005 Masonry Anchors Type L No. 5 Bars	543.000 EACH	.		.	
0480	505.0605 Bar Steel Reinforcement HS Coated Bridges	25,670.000 LB	.		.	
0490	505.0904 Bar Couplers No. 4	22.000 EACH	.		.	
0500	505.0905 Bar Couplers No. 5	26.000 EACH	.		.	
0510	505.0906 Bar Couplers No. 6	115.000 EACH	.		.	
0520	506.2610 Bearing Pads Elastomeric Laminated	52.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0530	506.7050.S Removing Bearings (structure) 0001. B-67-0014	36.000 EACH	.		.	
0540	506.7050.S Removing Bearings (structure) 0002. B-67-140	16.000 EACH	.		.	
0550	509.0301 Preparation Decks Type 1	43.000 SY	.		.	
0560	509.0302 Preparation Decks Type 2	16.000 SY	.		.	
0570	509.0500 Cleaning Decks	16,843.000 SY	.		.	
0580	509.1000 Joint Repair	344.000 SY	.		.	
0590	509.1500 Concrete Surface Repair	540.000 SF	.		.	
0600	509.2000 Full-Depth Deck Repair	3.000 SY	.		.	
0610	509.2500 Concrete Masonry Overlay Decks	1,089.000 CY	.		.	
0620	517.1800.S Structure Repainting Recycled Abrasive (structure) 0001. B-67-0014	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0630	517.1800.S Structure Repainting Recycled Abrasive (structure) 0002. B-67-140	LUMP	LUMP			.
0640	517.1800.S Structure Repainting Recycled Abrasive (structure) 0003. B-67-234	LUMP	LUMP			.
0650	517.1800.S Structure Repainting Recycled Abrasive (structure) 0004. B-67-235	LUMP	LUMP			.
0660	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0001. B-67-0014	LUMP	LUMP			.
0670	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0002. B-67-140	LUMP	LUMP			.
0680	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0003. B-67-234	LUMP	LUMP			.
0690	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0004. B-67-235	LUMP	LUMP			.
0700	517.6001.S Portable Decontamination Facility	4.000 EACH				.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0710	601.0409 Concrete Curb & Gutter 30-Inch Type A	161.000 LF	.		.	
0720	602.0410 Concrete Sidewalk 5-Inch	582.000 SF	.		.	
0730	603.8000 Concrete Barrier Temporary Precast Delivered	30,171.000 LF	.		.	
0740	603.8125 Concrete Barrier Temporary Precast Installed	37,032.000 LF	.		.	
0750	604.0400 Slope Paving Concrete	4.000 SY	.		.	
0760	604.9010.S Slope Paving Repair Crushed Aggregate	168.000 CY	.		.	
0770	604.9015.S Reseal Crushed Aggregate Slope Paving	5,020.000 SY	.		.	
0780	611.8115 Adjusting Inlet Covers	3.000 EACH	.		.	
0790	614.0200 Steel Thrie Beam Structure Approach	42.000 LF	.		.	
0800	614.0305 Steel Plate Beam Guard Class A	125.000 LF	.		.	
0810	614.0345 Steel Plate Beam Guard Short Radius	61.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0820	614.0390 Steel Plate Beam Guard Short Radius Terminal	2.000 EACH	.		.	
0830	614.0905 Crash Cushions Temporary	30.000 EACH	.		.	
0840	614.2300 MGS Guardrail 3	2,950.000 LF	.		.	
0850	614.2500 MGS Thrie Beam Transition	375.000 LF	.		.	
0860	614.2610 MGS Guardrail Terminal EAT	9.000 EACH	.		.	
0870	614.2620 MGS Guardrail Terminal Type 2	3.000 EACH	.		.	
0880	619.1000 Mobilization	1.000 EACH	.		.	
0890	620.0300 Concrete Median Sloped Nose	11.000 SF	.		.	
0900	625.0500 Salvaged Topsoil	26,795.000 SY	.		.	
0910	627.0200 Mulching	499.000 SY	.		.	
0920	628.1905 Mobilizations Erosion Control	16.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0930	628.1910 Mobilizations Emergency Erosion Control	7.000 EACH	.		.	
0940	628.2004 Erosion Mat Class I Type B	45,077.000 SY	.		.	
0950	628.7010 Inlet Protection Type B	27.000 EACH	.		.	
0960	628.7015 Inlet Protection Type C	11.000 EACH	.		.	
0970	628.7570 Rock Bags	1,915.000 EACH	.		.	
0980	629.0210 Fertilizer Type B	34.000 CWT	.		.	
0990	630.0120 Seeding Mixture No. 20	878.000 LB	.		.	
1000	630.0160 Seeding Mixture No. 60	8.000 LB	.		.	
1010	630.0200 Seeding Temporary	787.000 LB	.		.	
1020	634.0612 Posts Wood 4x6-Inch X 12-FT	24.000 EACH	.		.	
1030	634.0618 Posts Wood 4x6-Inch X 18-FT	283.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1040	634.0622 Posts Wood 4x6-Inch X 22-FT	10.000 EACH	.		.	
1050	634.0816 Posts Tubular Steel 2x2-Inch X 16-FT	10.000 EACH	.		.	
1060	635.0200 Sign Supports Structural Steel HS	2,000.000 LB	.		.	
1070	635.0300 Sign Supports Replacing Base Connection Bolts	16.000 EACH	.		.	
1080	636.0100 Sign Supports Concrete Masonry	4.800 CY	.		.	
1090	636.0500 Sign Supports Steel Reinforcement	294.000 LB	.		.	
1100	637.1220 Signs Type I Reflective SH	7,215.500 SF	.		.	
1110	637.2210 Signs Type II Reflective H	2,533.025 SF	.		.	
1120	637.2215 Signs Type II Reflective H Folding	473.800 SF	.		.	
1130	637.2230 Signs Type II Reflective F	569.500 SF	.		.	
1140	638.2102 Moving Signs Type II	25.000 EACH	.		.	

Wisconsin Department of Transportation

PAGE: 12

DATE: 07/17/15

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1150	638.2601 Removing Signs Type I	20.000 EACH	.		.	
1160	638.2602 Removing Signs Type II	294.000 EACH	.		.	
1170	638.3000 Removing Small Sign Supports	203.000 EACH	.		.	
1180	638.3100 Removing Structural Steel Sign Supports	2.000 EACH	.		.	
1190	642.5401 Field Office Type D	1.000 EACH	.		.	
1200	643.0100 Traffic Control (project) 0001. 1060-44-70	1.000 EACH	.		.	
1210	643.0300 Traffic Control Drums	129,818.000 DAY	.		.	
1220	643.0410 Traffic Control Barricades Type II	4,629.000 DAY	.		.	
1230	643.0705 Traffic Control Warning Lights Type A	9,172.000 DAY	.		.	
1240	643.0715 Traffic Control Warning Lights Type C	35,990.000 DAY	.		.	
1250	643.0800 Traffic Control Arrow Boards	1,020.000 DAY	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1260	643.0900 Traffic Control Signs	14,798.000 DAY	.		.	
1270	643.0910 Traffic Control Covering Signs Type I	2.000 EACH	.		.	
1280	643.0920 Traffic Control Covering Signs Type II	20.000 EACH	.		.	
1290	643.1000 Traffic Control Signs Fixed Message	144.000 SF	.		.	
1300	643.1050 Traffic Control Signs PCMS	1,304.000 DAY	.		.	
1310	643.1055.S Truck or Trailer Mounted Attenuator	272.000 DAY	.		.	
1320	643.3000 Traffic Control Detour Signs	2,881.000 DAY	.		.	
1330	646.0106 Pavement Marking Epoxy 4-Inch	87,542.000 LF	.		.	
1340	646.0600 Removing Pavement Markings	66,759.000 LF	.		.	
1350	646.0841.S Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch	10,021.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1360	646.0843.S Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	10,804.000 LF	.		.	
1370	647.0158 Pavement Marking Arrows Preformed Thermoplastic Type 1	4.000 EACH	.		.	
1380	647.0168 Pavement Marking Arrows Preformed Thermoplastic Type 2	14.000 EACH	.		.	
1390	647.0178 Pavement Marking Arrows Preformed Thermoplastic Type 3	1.000 EACH	.		.	
1400	647.0198 Pavement Marking Arrows Preformed Thermoplastic Type 5	2.000 EACH	.		.	
1410	647.0358 Pavement Marking Words Preformed Thermoplastic	17.000 EACH	.		.	
1420	647.0568 Pavement Marking Stop Line Preformed Thermoplastic 18-Inch	257.000 LF	.		.	
1430	647.0726 Pavement Marking Diagonal Epoxy 12-Inch	93.000 LF	.		.	
1440	647.0746 Pavement Marking Diagonal Epoxy 24-Inch	676.000 LF	.		.	
1450	647.0955 Removing Pavement Markings Arrows	15.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1460	647.0965 Removing Pavement Markings Words	12.000 EACH	.		.	
1470	649.0400 Temporary Pavement Marking Removable Tape 4-Inch	172,871.000 LF	.		.	
1480	649.1200 Temporary Pavement Marking Stop Line Removable Tape 18-Inch	150.000 LF	.		.	
1490	649.2100 Temporary Raised Pavement Markers	244.000 EACH	.		.	
1500	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	323.000 LF	.		.	
1510	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	158.000 LF	.		.	
1520	652.0615 Conduit Special 3-Inch	130.000 LF	.		.	
1530	652.0700.S Install Conduit into Existing Item	11.000 EACH	.		.	
1540	652.0800 Conduit Loop Detector	112.000 LF	.		.	
1550	653.0135 Pull Boxes Steel 24x36-Inch	2.000 EACH	.		.	
1560	653.0140 Pull Boxes Steel 24x42-Inch	1.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1570	653.0905 Removing Pull Boxes	3.000 EACH	.		.	
1580	654.0105 Concrete Bases Type 5	15.000 EACH	.		.	
1590	654.0220 Concrete Control Cabinet Bases Type 10	6.000 EACH	.		.	
1600	655.0260 Cable Traffic Signal 12-14 AWG	445.000 LF	.		.	
1610	655.0515 Electrical Wire Traffic Signals 10 AWG	348.000 LF	.		.	
1620	655.0610 Electrical Wire Lighting 12 AWG	1,350.000 LF	.		.	
1630	655.0630 Electrical Wire Lighting 4 AWG	3,921.000 LF	.		.	
1640	655.0700 Loop Detector Lead In Cable	303.000 LF	.		.	
1650	655.0800 Loop Detector Wire	346.000 LF	.		.	
1660	657.0100 Pedestal Bases	6.000 EACH	.		.	
1670	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	14.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1680	657.0425 Traffic Signal Standards Aluminum 15-FT	6.000 EACH	.		.	
1690	661.0200 Temporary Traffic Signals for Intersections (location) 3001. IH 94 EB Rmps & STH 164/CTH J	LUMP	LUMP		.	
1700	661.0200 Temporary Traffic Signals for Intersections (location) 3002. IH 94 WB Rmps & STH 164/CTH J	LUMP	LUMP		.	
1710	661.0300 Generators	4.000 DAY	.		.	
1720	662.1032.S Ramp Closure Gates Hardwired 32-FT	3.000 EACH	.		.	
1730	662.1037.S Ramp Closure Gates Hardwired 37-FT	2.000 EACH	.		.	
1740	662.1040.S Ramp Closure Gates Hardwired 40-FT	3.000 EACH	.		.	
1750	662.2028.S Ramp Closure Gates Solar 28-FT	1.000 EACH	.		.	
1760	662.2030.S Ramp Closure Gates Solar 30-FT	2.000 EACH	.		.	
1770	662.2037.S Ramp Closure Gates Solar 37-FT	1.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1780	662.2040.S Ramp Closure Gates Solar 40-FT	2.000 EACH	.		.	
1790	662.3028.S Ramp Closure Gate Arms Stockpile 28-FT	1.000 EACH	.		.	
1800	662.3030.S Ramp Closure Gate Arms Stockpile 30-FT	1.000 EACH	.		.	
1810	662.3032.S Ramp Closure Gate Arms Stockpile 32-FT	1.000 EACH	.		.	
1820	662.3037.S Ramp Closure Gate Arms Stockpile 37-FT	1.000 EACH	.		.	
1830	662.3040.S Ramp Closure Gate Arms Stockpile 40-FT	1.000 EACH	.		.	
1840	662.4000.S Ramp Closure Gate Flashers Stockpile	1.000 EACH	.		.	
1850	670.0100 Field System Integrator 3001. FTMS	LUMP	LUMP		.	
1860	670.0200 ITS Documentation 3001. FTMS	LUMP	LUMP		.	
1870	675.0400.S Install Ethernet Switch	1.000 EACH	.		.	
1880	678.0006 Install Fiber Optic Cable Outdoor Plant 6-CT	1,148.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1890	678.0400 Fiber Optic Termination	12.000 EACH	.		.	
1900	678.0500 Communication System Testing 3001. FTMS	LUMP	LUMP		.	
1910	690.0150 Sawing Asphalt	43,649.000 LF	.		.	
1920	690.0250 Sawing Concrete	1,907.000 LF	.		.	
1930	715.0415 Incentive Strength Concrete Pavement	500.000 DOL	1.000000		500.00	
1940	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,200.000 HRS	5.000000		11000.00	
1950	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	3,000.000 HRS	5.000000		15000.00	
1960	SPV.0060 Special 0001. Salvage Terminal High-Tension Cable TL-3, Gibraltar	4.000 EACH	.		.	
1970	SPV.0060 Special 0002. Terminal High-Tension Cable, TL-3, Gibraltar	4.000 EACH	.		.	
1980	SPV.0060 Special 0003. Reinstall Terminal High-Tension Cable TL-3, Gibraltar	4.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1990	SPV.0060 Special 1000. Lamp Disposal High Intensity Discharge	2.000 EACH	.		.	
2000	SPV.0060 Special 1001. Group Luminaire Maintenance 30-Foot 250W HPS	2.000 EACH	.		.	
2010	SPV.0060 Special 1002. Removing And Reinstalling Lighting Units	1.000 EACH	.		.	
2020	SPV.0060 Special 1300. Ground Rod	6.000 EACH	.		.	
2030	SPV.0060 Special 3001. Install Fiber Optic Media Converter	1.000 EACH	.		.	
2040	SPV.0060 Special 4000. Cleaning and Painting Bearings	17.000 EACH	.		.	
2050	SPV.0060 Special 4001. Clean Deck Inlets	8.000 EACH	.		.	
2060	SPV.0060 Special 8000. Cover Plates Temporary Special	1.000 EACH	.		.	
2070	SPV.0090 Special 0001. Salvage High-Tension Cable TL-3, Socketed, Gibraltar	2,685.000 LF	.		.	
2080	SPV.0090 Special 0002. High-Tension Cable TL-3, Socketed, Gibraltar	2,280.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2090	SPV.0090 Special 0003. Reinstall High-Tension Cable TL-3, Socketed, Gibraltar	2,280.000 LF	.		.	
2100	SPV.0105 Special 0001. Survey Project 1060-44-70	LUMP	LUMP		.	
2110	SPV.0105 Special 1000. Maintenance of Lighting Systems	LUMP	LUMP		.	
2120	SPV.0105 Special 3001. Temp EVP System IH 94 EB Ramps & STH 164 / CTH J	LUMP	LUMP		.	
2130	SPV.0105 Special 3002. Temp EVP System IH 94 WB Ramps & STH 164 / CTH J	LUMP	LUMP		.	
2140	SPV.0105 Special 3003. Temp Vehicle Detction System for Intrscnns IH 94 EB Ramps & STH 164/CTH J	LUMP	LUMP		.	
2150	SPV.0105 Special 3004. Temp Vehicle Detection System for Intrscnns IH 94 WB Ramps & STH 164/CTH J	LUMP	LUMP		.	
2160	SPV.0105 Special 3005. Covering Traffic Signal Heads IH 94 Ramps & STH 164 / CTH J	LUMP	LUMP		.	
2170	SPV.0105 Special 3007. Remove Traffic Signals IH 94 & STH 164/CTH J	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2180	SPV.0105 Special 3008. Remove Loop Detector Wire & Lead- in Cable IH 94 & STH 164/CTH J	LUMP	LUMP			.
2190	SPV.0105 Special 4000. Vegetation Removal B-67-14	LUMP	LUMP			.
2200	SPV.0105 Special 4001. Vegetation Removal B-67-60	LUMP	LUMP			.
2210	SPV.0105 Special 4002. Vegetation Removal B-67-61	LUMP	LUMP			.
2220	SPV.0105 Special 4003. Vegetation Removal B-67-62	LUMP	LUMP			.
2230	SPV.0105 Special 4004. Vegetation Removal B-67-63	LUMP	LUMP			.
2240	SPV.0105 Special 4005. Vegetation Removal B-67-65	LUMP	LUMP			.
2250	SPV.0105 Special 4006. Vegetation Removal B-67-66	LUMP	LUMP			.
2260	SPV.0105 Special 4007. Vegetation Removal B-67-67	LUMP	LUMP			.
2270	SPV.0105 Special 4008. Vegetation Removal B-67-68	LUMP	LUMP			.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2280	SPV.0105 Special 4009. Vegetation Removal B-67-140	LUMP	LUMP		.	
2290	SPV.0105 Special 4010. Vegetation Removal B-67-234	LUMP	LUMP		.	
2300	SPV.0105 Special 4011. Vegetation Removal B-67-235	LUMP	LUMP		.	
2310	SPV.0105 Special 4020. Fence Removal and Replacement B-67-234	LUMP	LUMP		.	
2320	SPV.0105 Special 4021. Fence Removal and Replacement B-67-235	LUMP	LUMP		.	
2330	SPV.0165 Special 4000. Removing Loose Concrete	SF 438.000	.		.	
2340	SPV.0170 Special 0001. Proof Rolling	STA 192.000	.		.	
2350	SPV.0180 Special 0001. Geogrid Reinforcement	SY 865.000	.		.	
2360	SPV.0180 Special 4000. Clean Abutment Seats	SY 111.000	.		.	
2370	SPV.0195 Special 0001. Cold Patch	TON 30.000	.		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	

PLEASE ATTACH SCHEDULE OF ITEMS HERE



Wisconsin Department of Transportation

August 12, 2015

**Division of Transportation Systems
Development**

Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Federal Wage Rate Addendum #01

Letting of September 15, 2015

Attached are copies of the revised U.S. Department of Labor Wage Rates that are effective for many proposals in the September 15, 2015 letting. The first 7 pages of the attachment are the first page of the county highway wage sheets (Page 1 of 3) and correspond to the affected proposal's county. The last two pages of the attachment are pages 2 and 3 of the highway wage sheets, which are the same for all counties.

The following proposals and counties are affected in the September 15, 2015 letting:

02 Waukesha	03 Milwaukee
04 Washington	05 Racine
06 Washington	07 Sheboygan
08 Brown	11 St. Croix

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractors.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

SUPERSEDES DECISION W120120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: W1150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 7, 2015

LABORERS CLASSIFICATION:		Basic Hourly Rates	Fringe Benefits			Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler				<u>Truck Drivers:</u>			
				1 & 2 Axles			
				Three or More Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....			
						25.18	18.31
						25.38	18.31
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);							
						30.77	15.55
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man.....						30.82	15.55
Group 4: Line and Grade Specialist						31.02	15.55
Group 5: Blaster and Powderman						30.87	15.55
Group 6: Flagperson; Traffic Control						27.30	15.55

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015.

CLASSES OF LABORER AND MECHANICS

Bricklayer	30.85	17.85
Carpenter	30.48	15.80
Millwright	32.11	15.80
Piledriverman	30.98	15.80
Ironworker	29.27	23.96
Cement Mason/Concrete Finisher	32.65	17.44
Electrician		See Page 3
Line Construction		
Lineman	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator	32.65	32% + 5.00
Heavy Groundman Driver	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Painters	22.82	11.52
Well Drilling:		
Well Driller	16.52	3.70

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DATE: August 7, 2015

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits	Truck Drivers:	Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$27.51	19.35	1 & 2 Axles	25.18	18.31
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer	27.66	19.35	Three or More Axles; Euclids, Dumptrucks & Articulated, Truck Mechanic	25.38	18.31
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man	27.86	19.35			
Group 4: Line and Grade Specialist	28.01	19.35			
Group 5: Blaster and Powderman	28.16	19.35			
Group 6: Flagperson traffic control person	24.00	19.35			

CLASSES OF LABORER AND MECHANICS

Bricklayer	35.37	18.47
Carpenter	30.52	14.41
Pile Driver	27.25	19.46
Ironworker	30.77	23.96
Cement Mason/Concrete Finisher	30.69	17.53
Electrician	See Page 3	
Line Construction		
Lineman	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator	32.65	32% + 5.00
Heavy Groundman Driver	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Millwrights	26.32	13.98
Painter, Brush	29.52	20.04
Painter, Spray and Sandblaster	30.27	20.04
Painter, Bridge	29.87	20.04
Well Drilling:		
Well Driller	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DATE: August 7, 2015

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

LABORERS CLASSIFICATION:		Basic Hourly Rates	Fringe Benefits			Basic Hourly Rates	Fringe Benefits
Group 1:	General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$26.57	19.35	Truck Drivers:			
				1 & 2 Axles	25.18	18.31	
				Three or More Axles; Euclids, Dumptr & Articulated, Truck Mechanic.....	25.38	18.31	
Group 2:	Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer	26.72	19.35				
Group 3:	Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man.....	26.92	19.35				
Group 4:	Line and Grade Specialist	26.89	19.35				
Group 5:	Blaster and Powderman	27.22	19.35				
Group 6:	Flagman; traffic control person.....	23.71	19.35				

CLASSES OF LABORER AND MECHANICS

Bricklayer	35.10	18.58
Piledriverman	24.47	19.46
Carpenter	30.52	14.41
Ironworker	30.77	23.96
Cement Mason/Concrete Finisher	28.50	19.72
Electrician		See Page 3
Line Construction		
Lineman	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator	32.65	32% + 5.00
Heavy Groundman Driver	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Millwrights (E. of Hwy 75)	25.17	13.78
Millwrights (W. of Hwy 75)	25.32	13.78
Painter, Brush , Roller	30.90	18.39
Painter, Spray and Sandblaster	31.90	18.39
Painter, Steel	17.70	4.80
Well Drilling:		
Well Driller	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 7, 2015

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits	Truck Drivers:	Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$30.67	15.55	1 & 2 Axles	25.18	18.31
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);	30.77	15.55	Three or More Axles; Euclids, Dumptr & Articulated, Truck Mechanic.....	25.38	18.31
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man.....	30.82	15.55			
Group 4: Line and Grade Specialist	31.02	15.55			
Group 5: Blaster and Powderman	30.87	15.55			
Group 6: Flagperson; Traffic Control	27.30	15.55			

CLASSES OF LABORER AND MECHANICS

Bricklayer	30.77	16.62
Carpenter	30.48	15.80
Millwright	32.11	15.80
Piledriverman	30.98	15.80
Ironworker	29.27	23.96
Cement Mason/Concrete Finisher	32.65	17.44
Electrician	See Page 3	
Line Construction		
Lineman.....	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator.....	32.65	32% + 5.00
Heavy Groundman Driver.....	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman.....	22.45	32% + 5.00
Painters	22.82	11.52
Well Drilling:		
Well Driller.....	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 7, 2015

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits	Truck Drivers:	Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$30.67	15.55	1 & 2 Axles	25.18	18.31
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);	30.77	15.55	Three or More Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....	25.38	18.31
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man.....	30.82	15.55			
Group 4: Line and Grade Specialist	31.02	15.55			
Group 5: Blaster and Powderman	30.87	15.55			
Group 6: Flagperson; Traffic Control	27.30	15.55			

CLASSES OF LABORER AND MECHANICS

Bricklayer	30.42	16.07
Carpenter (W. of Hwy. 65)	33.34	16.73
Piledriverman (W. of Hwy. 65)	33.34	16.73
Carpenter (E. of Hwy. 65)	30.48	15.80
Millwright (E. of Hwy. 65).....	32.11	15.80
Piledriverman (E. of Hwy. 65).....	30.98	15.80
Ironworker	35.50	23.45
Cement Mason/Concrete Finisher	32.65	17.44
Electrician		See Page 3
Line Construction		
Lineman.....	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator.....	32.65	32% + 5.00
Heavy Groundman Driver.....	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Painters	24.11	12.15
Well Drilling:		
Well Driller	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 7, 2015

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits	Truck Drivers:	Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$26.76	19.35	1 & 2 Axles	25.18	18.31
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);	26.86	19.35	Three or More Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....	25.38	18.31
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man.....	26.91	19.35			
Group 4: Line and Grade Specialist.....	27.11	19.35			
Group 5: Blaster and Powderman.....	26.96	19.35			
Group 6: Flagperson and Traffic Control Person	23.85	19.35			

CLASSES OF LABORER AND MECHANICS

Bricklayer	35.37	18.47
Carpenter	30.52	14.41
Piledriverman	27.25	19.46
Ironworker	30.77	23.96
Cement Mason/Concrete Finisher	30.69	17.53
Electrician		See Page 3
Line Construction		
Lineman.....	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator.....	32.65	32% + 5.00
Heavy Groundman Driver.....	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Millwrights.....	26.32	13.98
Painter, Brush.....	29.52	20.04
Painter, Spray and Sandblaster	30.27	20.04
Painter, Bridge.....	29.87	20.04
Well Drilling:		
Well Driller.....	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 7, 2015

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits		Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$27.51	19.35			
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer	27.66	19.35			
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man	27.86	19.35			
Group 4: Line and Grade Specialist	28.01	19.35			
Group 5: Blaster and Powderman	28.16	19.35			
Group 6: Flagperson traffic control person	24.00	19.35			

Truck Drivers:

1 & 2 Axles	25.18	18.31
Three or More Axles; Euclids, Dumptr & Articulated, Truck Mechanic	25.38	18.31

CLASSES OF LABORER AND MECHANICS

Bricklayer	35.37	18.47
Carpenter	30.52	14.41
Piledriverman	27.25	19.46
Ironworker	30.77	23.96
Cement Mason/Concrete Finisher	30.69	17.53
Electrician	See Page 3	
Line Construction		
Lineman	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator	32.65	32% + 5.00
Heavy Groundman Driver	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Millwrights	26.32	13.98
Painter, Brush	29.52	20.04
Painter, Spray and Sandblaster	30.27	20.04
Painter, Bridge	29.87	20.04
Well Drilling:		
Well Driller	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 7, 2015

<u>POWER EQUIPMENT OPERATORS CLASSIFICATION:</u>	<u>Basic Hourly Rates</u>	<u>Fringe Benefits</u>	<u>POWER EQUIPMENT OPERATORS CLASSIFICATION: (Continued)</u>	<u>Basic Hourly Rates</u>	<u>Fringe Benefits</u>
Group 1: Cranes, tower cranes and derricks, with or without attachments, with a lifting capacity of over 100 tons or cranes, tower cranes and derricks with boom, leads and/or jib lengths measuring 176 feet or longer	\$38.27	\$21.55	(scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader hydraulic backhoe (tractor-type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller (over 5 tons); percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches and A-frames; post driver; material hoist operator.	\$37.27	\$21.55
Group 2: Cranes, tower cranes and derricks, with or without attachments, with a lifting capacity of 100 tons or less or cranes, tower cranes and derricks with boom, leads and/or jib lengths measuring 175 feet or less, and backhoes (excavators) having a manufacturer's rated capacity of 3 cu. yds. and over, caisson rigs, pile driver, dredge operator, dredge engineer.	\$37.77	\$21.55	Group 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self-propelled; tractor (mounted or towed compactors and light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint saw (multiple blade) belting machine; burlap machine; texturing machine; tractor, endloader (rubber tired) - light; jeep digger; fork lift; mulcher; launch operator; fireman; environmental burner.	\$37.01	\$21.55
Group 3: Mechanic or welder - heavy duty equipment, cranes with a lifting capacity of 25 tons or less, concrete breaker (manual or remote); vibrator/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pavement spreader - heavy duty (rubber tired); concrete spreader and distributor, automatic subgrader (concrete); concrete grinder and planing machine; concrete slipform curb and gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi and over); bridge paver; concrete conveyor system; concrete pump; stabilizing mixer (self propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter and grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer and scarifier; backhoes (excavators) having a manufacturers rated capacity of under 3 cu. yds.; grader or motor patrol; tractor			Group 5: Air compressor; power pack; vibratory hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; concrete proportioning plants generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; oiler; pump (over 3 inches); drilling machine helper.	\$36.72	\$21.55
			Group 6: Off - road material hauler with or without ejector	\$30.82	\$21.55
			Premium Pay: EPA Level "A" protection - \$3.00 per hour EPA Level "B" protection - \$2.00 per hour EPA Level "C" protection - \$1.00 per hours		

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 7, 2015

LABORERS CLASSIFICATION:

Rates

Benefits

Electricians			Area 4 -	BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE (Wausauke and area south thereof), OCONTO, MENOMINEE (East of a line 6 miles West of the West boundary of Oconto County), SHAWANO (except area North of Townships of Aniwa and Hutchins) COUNTIES.
Area 1	\$29.60	26.5%+ 9.15		
Area 2:			Area 5 -	ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Area North of the town of Wausauke), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Area North of the townships of Aniwa and Hutchins), VILAS AND WOOD COUNTIES
Electricians.....	31.21	18.92		
Area 3:			Area 6 -	KENOSHA COUNTY
Electrical contracts under \$130,000	26.24	16.85	Area 8 -	DODGE, (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington township), ROCK and WALWORTH COUNTIES
Electrical contracts over \$130,000	29.41	16.97	Area 9 -	COLUMBIA, DANE, DODGE, (area west of Hwy. 26, except Chester & Emmet Townships), GREEN LAKE (except townships of Berlin, Seneca and St. Marie), IOWA, MARQUETTE (except townships of Neshkoka, Crystal Lake, Newton and Springfield), and SAUK COUNTIES
Area 4:	29.84	29.50% + 9.37	Area 10 -	CALUMET (Township of New Holstein), DODGE (East of Hwy. 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES
Area 5	28.96	24.85% + 9.70	Area 11 -	DOUGLAS COUNTY
Area 6	35.25	19.30	Area 12 -	RACINE (except Burlington township) COUNTY
Area 8			Area 13 -	MILWAUKEE, OZAUKEE, WASHINGTON and WAUKESHA COUNTIES
Electricians.....	31.30	24.93% + 10.40	Area 14 -	Statewide.
Area 9:			Area 15 -	DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES.
Electricians.....	35.75	19.87		
Area 10	29.64	20.54		
Area 11	32.54	24.07		
Area 12	32.87	19.23		
Area 13	35.13	23.09		
Teledata System Installer				
Area 14				
Installer/Technician	22.50	12.72		
Sound & Communications				
Area 15				
Installer	16.47	14.84		
Technician	26.00	17.70		
Area 1 -	CALUMET (except township of New Holstein), GREEN LAKE (N. part, including Townships of Berlin, St. Marie and Seneca), MARQUETTE (N. part, including Townships of Crystal Lake, Neshkoro, Newton & Springfield), OUTAGAMIE, WAUPACA, WAUSHARA and WINNEBAGO COUNTIES.			
Area 2 -	ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Mayville, Colby, Unity, Sherman, Fremont, Lynn and Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST. CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON and WASHBURN COUNTIES			
Area 3 -	FLORENCE (townships of Aurora, Commonwealth, Fern, Florence and Homestead), MARINETTE (Niagara township)			



Wisconsin Department of Transportation

September 1, 2015

**Division of Transportation Systems
Development**

Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Federal Wage Rate Addendum #02

Letting of September 15, 2015

Attached are copies of the revised U.S. Department of Labor Wage Rates that are effective for many proposals in the September 15, 2015 letting. The first 7 pages of the attachment are the first page of the county highway wage sheets (Page 1 of 3) and correspond to the affected proposal's county. The last two pages of the attachment are pages 2 and 3 of the highway wage sheets, which are the same for all counties.

The following proposals and counties are affected in the September 15, 2015 letting:

02 Waukesha	03 Milwaukee
04 Washington	05 Racine
06 Washington	07 Sheboygan
08 Brown	11 St. Croix

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractors.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 28, 2015

LABORERS CLASSIFICATION:		Basic Hourly Rates	Fringe Benefits			Basic Hourly Rates	Fringe Benefits
				<u>Truck Drivers:</u>			
Group 1:	General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$30.67	15.55	1 & 2 Axles	25.18	18.31	
Group 2:	Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);	30.77	15.55	Three or More Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....	25.38	18.31	
Group 3:	Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man.....	30.82	15.55				
Group 4:	Line and Grade Specialist	31.02	15.55				
Group 5:	Blaster and Powderman	30.87	15.55				
Group 6:	Flagperson; Traffic Control	27.30	15.55				

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015; Modification #9 dated August 28, 2015.

CLASSES OF LABORER AND MECHANICS

Bricklayer	30.85	17.85
Carpenter	30.48	15.80
Millwright	32.11	15.80
Piledriverman	30.98	15.80
Ironworker	29.27	23.96
Cement Mason/Concrete Finisher	32.65	17.44
Electrician		See Page 3
Line Construction		
Lineman	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator	32.65	32% + 5.00
Heavy Groundman Driver	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Painters	23.74	11.72
Well Drilling:		
Well Driller	16.52	3.70

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DATE: August 28, 2015

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits	Truck Drivers:	Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$27.51	19.35	1 & 2 Axles	25.18	18.31
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer	27.66	19.35	Three or More Axles; Euclids, Dumptor & Articulated, Truck Mechanic	25.38	18.31
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man	27.86	19.35			
Group 4: Line and Grade Specialist	28.01	19.35			
Group 5: Blaster and Powderman	28.16	19.35			
Group 6: Flagperson traffic control person	24.00	19.35			

CLASSES OF LABORER AND MECHANICS

Bricklayer	35.37	18.47
Carpenter	30.52	14.41
Piledriverman	27.25	19.46
Ironworker	32.36	24.07
Cement Mason/Concrete Finisher	30.69	17.53
Electrician	See Page 3	
Line Construction		
Lineman	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator	32.65	32% + 5.00
Heavy Groundman Driver	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Millwrights	26.32	13.98
Painter, Brush	29.52	20.04
Painter, Spray and Sandblaster	30.27	20.04
Painter, Bridge	29.87	20.04
Well Drilling:		
Well Driller	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015; Modification #9 dated August 28, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DATE: August 28, 2015

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

LABORERS CLASSIFICATION:		Basic Hourly Rates	Fringe Benefits		Basic Hourly Rates	Fringe Benefits
Group 1:	General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$26.57	19.35	<u>Truck Drivers:</u>		
				1 & 2 Axles	25.18	18.31
Group 2:	Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer	26.72	19.35	Three or More Axles; Euclids, Dumptr & Articulated, Truck Mechanic	25.38	18.31
Group 3:	Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man	26.92	19.35			
Group 4:	Line and Grade Specialist	26.89	19.35			
Group 5:	Blaster and Powderman	27.22	19.35			
Group 6:	Flagman; traffic control person	23.71	19.35			

CLASSES OF LABORER AND MECHANICS

Bricklayer	35.10	18.58
Piledriverman	24.47	19.46
Carpenter	30.52	14.41
Ironworker	32.36	24.07
Cement Mason/Concrete Finisher	28.50	19.72
Electrician		See Page 3
Line Construction		
Lineman	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator	32.65	32% + 5.00
Heavy Groundman Driver	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Millwrights (E. of Hwy 75)	25.17	13.78
Millwrights (W. of Hwy 75)	25.32	13.78
Painter, Brush , Roller	31.84	18.60
Painter, Spray and Sandblaster	32.84	18.60
Painter, Steel	17.70	4.80
Well Drilling:		
Well Driller	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015; Modification #9 dated August 28, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 28, 2015

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits		Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$30.67	15.55			
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);	30.77	15.55			
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man	30.82	15.55			
Group 4: Line and Grade Specialist	31.02	15.55			
Group 5: Blaster and Powderman	30.87	15.55			
Group 6: Flagperson; Traffic Control	27.30	15.55			
			Truck Drivers:		
			1 & 2 Axles	25.18	18.31
			Three or More Axles; Euclids, Dumptr & Articulated, Truck Mechanic	25.38	18.31

CLASSES OF LABORER AND MECHANICS

Bricklayer	30.77	16.62
Carpenter	30.48	15.80
Millwright	32.11	15.80
Piledriverman	30.98	15.80
Ironworker	29.27	23.96
Cement Mason/Concrete Finisher	32.65	17.44
Electrician	See Page 3	
Line Construction		
Lineman	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator	32.65	32% + 5.00
Heavy Groundman Driver	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Painters	23.74	11.72
Well Drilling:		
Well Driller	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015; Modification #9 dated August 28, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 28, 2015

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits	Truck Drivers:	Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$30.67	15.55	1 & 2 Axles	25.18	18.31
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);	30.77	15.55	Three or More Axles; Euclids, Dumptor & Articulated, Truck Mechanic.....	25.38	18.31
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man.....	30.82	15.55			
Group 4: Line and Grade Specialist	31.02	15.55			
Group 5: Blaster and Powderman	30.87	15.55			
Group 6: Flagperson; Traffic Control	27.30	15.55			

CLASSES OF LABORER AND MECHANICS

Bricklayer	30.42	16.07
Carpenter (W. of Hwy. 65)	33.34	16.73
Piledriverman (W. of Hwy. 65)	33.34	16.73
Carpenter (E. of Hwy. 65)	30.48	15.80
Millwright (E. of Hwy. 65).....	32.11	15.80
Piledriverman (E. of Hwy. 65).....	30.98	15.80
Ironworker	35.50	23.45
Cement Mason/Concrete Finisher	32.65	17.44
Electrician		See Page 3
Line Construction		
Lineman.....	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator.....	32.65	32% + 5.00
Heavy Groundman Driver.....	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	22.45	32% + 5.00
Painters.....	24.11	12.15
Well Drilling:		
Well Driller	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015; Modification #9 dated August 28, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 28, 2015

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits	Truck Drivers:	Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	\$26.76	19.35	1 & 2 Axles	25.18	18.31
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);	26.86	19.35	Three or More Axles; Euclids, Dumptr & Articulated, Truck Mechanic.....	25.38	18.31
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man.....	26.91	19.35			
Group 4: Line and Grade Specialist.....	27.11	19.35			
Group 5: Blaster and Powderman.....	26.96	19.35			
Group 6: Flagperson and Traffic Control Person	23.85	19.35			

CLASSES OF LABORER AND MECHANICS

Bricklayer	35.37	18.47
Carpenter	30.52	14.41
Piledriverman	27.25	19.46
Ironworker	32.36	24.07
Cement Mason/Concrete Finisher	30.69	17.53
Electrician		See Page 3
Line Construction		
Lineman.....	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator.....	32.65	32% + 5.00
Heavy Groundman Driver.....	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman.....	22.45	32% + 5.00
Millwrights.....	26.32	13.98
Painter, Brush.....	29.52	20.04
Painter, Spray and Sandblaster	30.27	20.04
Painter, Bridge.....	29.87	20.04
Well Drilling:		
Well Driller.....	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015; Modification #9 dated August 28, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 28, 2015

LABORERS CLASSIFICATION:		Basic Hourly Rates	Fringe Benefits			Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler				Truck Drivers:			
				1 & 2 Axles			
				Three or More Axles; Euclids, Dumptr & Articulated, Truck Mechanic.....			
						25.18	18.31
						25.38	18.31
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer.....							
						27.66	19.35
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man.....						27.86	19.35
Group 4: Line and Grade Specialist						28.01	19.35
Group 5: Blaster and Powderman						28.16	19.35
Group 6: Flagperson traffic control person						24.00	19.35

CLASSES OF LABORER AND MECHANICS

Bricklayer	35.37	18.47
Carpenter	30.52	14.41
Piledriverman	27.25	19.46
Ironworker	32.36	24.07
Cement Mason/Concrete Finisher	30.69	17.53
Electrician		See Page 3
Line Construction		
Lineman.....	40.81	32% + 5.00
Heavy Equipment Operator	38.77	32% + 5.00
Equipment Operator.....	32.65	32% + 5.00
Heavy Groundman Driver.....	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman.....	22.45	32% + 5.00
Millwrights.....	26.32	13.98
Painter, Brush.....	29.52	20.04
Painter, Spray and Sandblaster	30.27	20.04
Painter, Bridge.....	29.87	20.04
Well Drilling:		
Well Driller.....	16.52	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015; Modification #1 dated January 16, 2015; Modification #2 dated March 20, 2015; Modification #3 dated April 10, 2015; Modification #4 dated May 22, 2015; Modification #5 dated June 12, 2015; Modification #6 dated June 26, 2015; Modification #7 dated July 31, 2015; Modification #8 dated August 7, 2015; Modification #9 dated August 28, 2015.

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: August 28, 2015

<u>POWER EQUIPMENT OPERATORS CLASSIFICATION:</u>	<u>Basic Hourly Rates</u>	<u>Fringe Benefits</u>	<u>POWER EQUIPMENT OPERATORS CLASSIFICATION: (Continued)</u>	<u>Basic Hourly Rates</u>	<u>Fringe Benefits</u>
Group 1: Cranes, tower cranes and derricks, with or without attachments, with a lifting capacity of over 100 tons or cranes, tower cranes and derricks with boom, leads and/or jib lengths measuring 176 feet or longer	\$38.27	\$21.55	(scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader hydraulic backhoe (tractor-type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller (over 5 tons); percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches and A-frames; post driver; material hoist operator.	\$37.27	\$21.55
Group 2: Cranes, tower cranes and derricks, with or without attachments, with a lifting capacity of 100 tons or less or cranes, tower cranes and derricks with boom, leads and/or jib lengths measuring 175 feet or less, and backhoes (excavators) having a manufacturer's rated capacity of 3 cu. yds. and over, caisson rigs, pile driver, dredge operator, dredge engineer.	\$37.77	\$21.55	Group 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self-propelled; tractor (mounted or towed compactors and light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint saw (multiple blade) belting machine; burlap machine; texturing machine; tractor, endloader (rubber tired) - light; jeep digger; fork lift; mulcher; launch operator; fireman; environmental burner.	\$37.01	\$21.55
Group 3: Mechanic or welder - heavy duty equipment, cranes with a lifting capacity of 25 tons or less, concrete breaker (manual or remote); vibrator/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pavement spreader - heavy duty (rubber tired); concrete spreader and distributor, automatic subgrader (concrete); concrete grinder and planing machine; concrete slipform curb and gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi and over); bridge paver; concrete conveyor system; concrete pump; stabilizing mixer (self propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter and grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer and scarifier; backhoes (excavators) having a manufacturers rated capacity of under 3 cu. yds.; grader or motor patrol; tractor			Group 5: Air compressor; power pack; vibratory hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; concrete proportioning plants generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; oiler; pump (over 3 inches); drilling machine helper.	\$36.72	\$21.55
			Group 6: Off - road material hauler with or without ejector	\$30.82	\$21.55
			Premium Pay: EPA Level "A" protection - \$3.00 per hour EPA Level "B" protection - \$2.00 per hour EPA Level "C" protection - \$1.00 per hours		

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

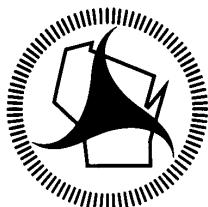
DATE: August 28, 2015

LABORERS CLASSIFICATION:

Rates

Benefits

			Area 4 -	BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE (Wausauke and area south thereof), OCONTO, MENOMINEE (East of a line 6 miles West of the West boundary of Oconto County), SHAWANO (except area North of Townships of Aniwa and Hutchins) COUNTIES.
Electricians				
Area 1	\$29.60	26.5%+ 9.15		
Area 2:				
Electricians.....	31.21	18.92	Area 5 -	ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Area North of the town of Wausauke), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Area North of the townships of Aniwa and Hutchins), VILAS AND WOOD COUNTIES
Area 3:				
Electrical contracts under \$130,000	26.24	16.85		
Electrical contracts over \$130,000	29.41	16.97		
Area 4:	29.84	29.50% + 9.37		
Area 5	28.96	24.85% + 9.70		
Area 6	35.25	19.30	Area 6 -	KENOSHA COUNTY
Area 8				
Electricians.....	31.30	24.93% + 10.40	Area 8 -	DODGE, (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington township), ROCK and WALWORTH COUNTIES
Area 9:				
Electricians.....	35.75	19.87		
Area 10	29.64	20.54	Area 9 -	COLUMBIA, DANE, DODGE, (area west of Hwy. 26, except Chester & Emmet Townships), GREEN LAKE (except townships of Berlin, Seneca and St. Marie), IOWA, MARQUETTE (except townships of Neshkoka, Crystal Lake, Newton and Springfield), and SAUK COUNTIES
Area 11	32.54	24.07		
Area 12	32.87	19.23	Area 10 -	CALUMET (Township of New Holstein), DODGE (East of Hwy. 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES
Area 13	35.13	23.09		
Teledata System Installer				
Area 14			Area 11 -	DOUGLAS COUNTY
Installer/Technician	22.50	12.72		
Sound & Communications			Area 12 -	RACINE (except Burlington township) COUNTY
Area 15				
Installer	16.47	14.84	Area 13 -	MILWAUKEE, OZAUKEE, WASHINGTON and WAUKESHA COUNTIES
Technician	26.00	17.70	Area 14 -	Statewide.
Area 1 -			Area 15 -	DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES.
CALUMET (except township of New Holstein), GREEN LAKE (N. part, including Townships of Berlin, St. Marie and Seneca), MARQUETTE (N. part, including Townships of Crystal Lake, Neshkoro, Newton & Springfield), OUTAGAMIE, WAUPACA, WAUSHARA and WINNEBAGO COUNTIES.				
Area 2 -				
ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Mayville, Colby, Unity, Sherman, Fremont, Lynn and Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST. CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON and WASHBURN COUNTIES				
Area 3 -				
FLORENCE (townships of Aurora, Commonwealth, Fern, Florence and Homestead), MARINETTE (Niagara township)				



Wisconsin Department of Transportation

August 20, 2015

Division of Transportation Systems Development

Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #02: 1060-44-70, WISC 2015484
East West Freeway
CTH P to CTH F
ID 94
Waukesha County

Letting of September 15, 2015

This is Addendum No. 01, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
7	Utilities
13	Information to Bidders, U.S. Army Corps of Engineers Section 404 Permit

Added Special Provisions	
Article No.	Description
78	EBS Excavation, Item SPV.0035.0001
79	Field Office Fixed, Item SPV.0105.0002

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
205.0100	Common Excavation (**P**)	CY	32,435	27,251	27,251
208.0100	Borrow (**P**)	CY	639	639	639

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0035.0001	EBS Excavation	CY	0	5,184	5,184
SPV.0105.0002	Field Office Fixed	LS	0	1	1

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
642.5401	Field Office Type D	EACH	1	0	0

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
2	Updated utility contacts
50	Added Centurylink facilities
55	Added Centurylink facilities
61	Added Centurylink facilities
66	Added Centurylink facilities
421	Divided Common Excavation column two bid items, Common Excavation and EBS Excavation
433	Replaced Field Office Type D with SPV item for Field Office Fixed

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
688A	Added sheet for B-67-69 bridge plan
688B	Added sheet for B-67-69 bridge plan
688C	Added sheet for B-67-69 bridge plan
688D	Added sheet for B-67-69 bridge plan
688E	Added sheet for B-67-69 bridge plan
688F	Added sheet for B-67-69 bridge plan

Deleted Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was deleted)
689	In-correct plan sheet for B-67-69

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

1060-44-70

August 20, 2015

Special Provisions

7. Utilities.

Delete entire article language and replace with the following:

The provisions of administrative rule TRANS 220 apply to this project.

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

Contact the local governing road authority to find out if there are any locally owned facilities within the project limits.

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

107 – SER2 (20101021)

The following utilities have facilities within the construction limits.

- WisDOT Lighting has existing underground and overhead lighting facilities within the project limits. Remove, adjust, reconstruct, abandon and leave in place the lighting facilities as shown in the plans.
- WisDOT Signals has existing underground and overhead signal facilities within the project limits. Remove, adjust, reconstruct, abandon and leave in place the signal facilities as shown in the plans.

The following utilities have facilities within the construction limits, however, no adjustments are anticipated:

- We Energies – gas and electric
- Town of Delafield
- WisDOT STOC
- Time Warner Cable – aerial and underground facilities
- PAETEC Business Services – buried fiber cable
- ATC Management, Inc. – Overhead 138,000 volt transmission lines
- AT&T Wisconsin – communications

- AT&T Corporation
- Summit Utility District 2 - Sanitary Sewer
- City of Pewaukee – Water and Sewer
- Midwest Fiber Networks
- Level 3
- Century Link
- TDS Metrocom
- WisDOT ATR

AT&T Corporation has fiber that runs along the eastbound IH 94 R/W from CTH P to STH 83. AT&T Corporation is not anticipating the need for relocation and the facility will remain in service during construction. AT&T plant protection personnel should be present during any work near the duct package. Notify AT&T Corporation representative Charles Conely at 608-338-3015, three working days prior to any work near the duct package to schedule a plant protection personal representative to be on-site during construction.

We Energies Gas and Electric have facilities within the construction limits, but is not anticipating the need for relocation. It is imperative that the highway contractor contact We Energies if removing any gas facilities or electrical underground cables, to verify that they have been abandoned and carry no natural gas or electrical current. The contractor must not assume that unmarked facilities have been abandoned. At no time is it acceptable to push, pull, cut or drill an unmarked facility without explicit consent from We Energies. Contractor must call the We Energies 24 hour Dispatch lines to arrange for this verification. We Energies Electric Dispatch #1-800-662-4797; We Energies Gas Dispatch #1-800-261-5325.

We Energies Gas requires a watchdog to be set up through Digger's Hotline during any ground disturbances around the 8-inch ST gas main running along STH 83 and the 6-inch HP gas main running along Maple Avenue.

If utility conflicts occur, they will be adjusted during construction in coordination with the contractor.

13. Information to Bidders, U.S. Army Corps of Engineers Section 404 Permit.

Add the following paragraph:

As part of the permit, access to the work area for restoring drainage to the ditch along I-94 WB under the CTH F overpass structures shall be from the outside shoulder at the west end of concrete barrier protecting the bridge pier. Access shall not be permitted from the east side of CTH F overpass structures.

78. EBS Excavation, SPV.0035.0001.

A Description

Follow section 205.1 of the standard specifications.

B Materials

Follow section 205.2 of the standard specifications.

Delete section 205.2.1 paragraph (2) of the standard specifications.

C Construction

Follow section 205.3.4 of the standard specifications.

D Measurement

Follow section 205.4 of the standard specifications.

The department will measure EBS Excavation by the cubic yard, acceptably completed.

E Payment

Follow section 205.5 of the standard specifications.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.001	EBS Excavation	CY

79. Field Office Fixed, SPV.0105.0002.

Replace standard spec 642 with the following:

A Description

Furnish, equip, and maintain field office facilities.

B Materials

B.1 General

The contractor is encouraged to provide a permanent/fixed facility for use as a field office that is an existing office building, or an existing building converted to office-type use, located not more than one mile (1.0 mile) from the project limits and approved by the engineer. In the case such a suitable permanent/fixed facility cannot be located, a temporary/modular facility shall be provided.

Supply a first aid kit in each field office provided under the contract. Ensure the kits are readily accessible to project personnel. Check and replenish the contents of each kit at least once a week. Ensure that each kit contains, at a minimum, a supply of latex-free examination gloves, CPR masks, adhesive tape, pressure and cling bandages, antiseptic wipes, bite/sting swabs, cold packs, and safety goggles.

Equip the facilities with Class A, B, and C fire extinguisher(s) conforming to all applicable codes and NFPA standards.

Minimum interior useable floor space shall be 2000 square feet, not including shared spaces, such as plan review areas, conference rooms, meeting areas, hallways, and restrooms.

Provide a suitably sized, open meeting area, including tables and folding chairs to accommodate regularly scheduled meetings of 50 people, as approved by the engineer.

Provide 10 large cubicles, including a desk, shelf, and a 4-drawer file cabinet, a coat rack and two small waste baskets with liners. Modular cubicle workstation furniture may be used if approved by the engineer. Provide four private rooms (minimum size 10' X 10'), equipped, in addition to the above, with a four shelf bookcase, and a 48" x 36" whiteboard with dry erase markers. These rooms shall have an interior door with a lockset.

Provide one ergonomically correct office chair in working condition, with, at a minimum, the following features, for each desk:

- Five-legged base with casters.
- High backrest.
- Seat adjustable from 15 inches (381 mm) to 22 inches (558 mm) from the floor with a seamless waterfall, rounded front edge.
- Adjustable arms.

Provide the field office with 20 high-speed computer Internet connection(s) at a setting of no less than 1 MB and up to 10 MB. The high-speed Internet connection must consist of a “small office/home networking” package. The package shall include a Dynamic IP Address (DHCP) and a Modem Router. The package must accommodate IPSec based VPN products. Provide a high speed wireless network with connection to a separate copier/printer/scanner which has the ability to copy, print and scan 11” x 17” paper.

Provide one new, leased, high-capacity color printer/photocopier/scanner capable of printing and copying up to 11” x 17” paper, with the ability to perform duplexing, sorting, stapling, and multiple sheet auto feeding, with a built-in scanner with the capability to scan black and white and color up to 11” x 17” at a minimum of 600 dpi, and with a network connection, as approved by the engineer.

Maintain the field office equipment and provide supplies for the photocopiers as requested by the engineer.

Provide and maintain an adequate supply of bottled drinking water with cups. Provide one 18 cubic foot minimum size refrigerator with freezer and one microwave (900-watt minimum). Provide small waste basket liners, tall kitchen garbage bags and disinfecting wet wipes for the duration of the project, and as also requested by the engineer.

Provide clearly marked recycling and waste receptacles (9 gallon minimum) within the field office, and separate recycling and waste dumpsters near the field office. Cover outdoor containers to keep out rain, snow, and wind-driven debris. Provide regularly scheduled recycling and waste pick-up.

Maintain interior sanitary facilities conforming to State and local health requirements, in clean and good working condition, and stock with supplies (toilet paper, liquid hand soap, paper towels) for the duration of the contract, and as also requested by the engineer.

Provide for weekly professional cleaning of the field office during regular business hours.

Equip these facilities with suitable artificial lighting and adequate heating and air conditioning equipment along with the necessary fuel to maintain a minimum temperature of 68F (20C) during the hours occupied.

The contractor may furnish, if the contract allows, the field offices jointly in cooperation with other contractors on designated projects.

Do not combine field offices, or combine them with, or attach them to, any buildings used by the contractor, unless the engineer allows in writing.

The field office shall remain available for department use for 60 calendar days beyond the contract completion date or until the engineer approves its closure or removal.

These field facilities are for the sole use of the department.

B.2 Permanent/Fixed Facility Field Office

Provide a permanent/fixed facility that is an existing office building, or an existing building converted to office-type use, meeting all applicable codes and standards, located not more than one mile (1.0 mile) from the project limits and approved by the engineer.

Include an adjacent, no-fee, lighted parking lot large enough to accommodate the needs of the field offices at peak usage, as approved by the engineer. Maintain the parking lot and egress, including snow removal.

Do not begin construction operations requiring the use of the field offices by the department until the required field offices are furnished, fully equipped, and made ready for use as the engineer directs.

B.3 Temporary/Modular Facility Field Office

Provide rented, modular field offices that are designed as mobile office units, no more than five years old, or other engineer-approved types that are floored, roofed, and weatherproofed, and have a minimum ceiling height of 8 feet-0 inches (2.44 m). Provide R-11 or better insulation in all walls, floors, and ceilings. Provide skirting around the perimeter of the mobile office units.

Equip these facilities with suitable artificial lighting and adequate central heating and cooling equipment designed to maintain a comfortable temperature during occupied hours, at the approval of the engineer.

Provide electrical power by connecting to the existing power grid.

Provide and maintain suitable interior or exterior sanitary facilities conforming to State and local health requirements, in clean and good working condition, and stock with sanitary supplies including hand sanitizer for the duration of the contract, at the approval of the engineer.

Provide a sufficient number and size of operable windows, located in order to promote effective cross ventilation, and equipped with required locks and metal screens. Windows are to be of the horizontal slider type. All rooms are to have at least one window.

The exterior doors shall be constructed of steel and equipped with heavy-duty locks with attached security plates. There shall be vandal-resistant exterior lights located at all exterior doors. Provide steps at all exterior doors.

Provide a level, graded CABC (at a minimum) site for field offices, including an adjacent, no-fee parking lot large enough to accommodate the needs of the field offices at peak usage, as approved by the engineer. Maintain the parking lot and egress, including snow removal.

Anchor or secure the field offices to prevent them from overturning by high velocity winds. Locate the field office in a dust-reduced and vibration-free environment.

Do not begin construction operations requiring the use of the field offices by the department until the required field offices are furnished, leveled, and secured in the approved locations, fully equipped, and made ready for use as the engineer directs.

C (Vacant)

D Measurement

The department will measure Field Office Fixed as a single lump sum unit of work for the entire field office(s), acceptably completed.

E Payment

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

ITEM NUMBER
SPV.0105.002

DESCRIPTION
Field Office Fixed

UNIT
LS

Payment is full compensation for providing, equipping, securing, and maintaining the facility; and for providing all incidentals and sundries, including but not limited to utilities, fuel, security, toilet facilities, and office supplies as required, either independently or jointly, for the time specified B.1.

Schedule of Items

Attached, dated August 20, 2015, are the revised Schedule of Items Pages 3 and 12 – 23.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 2, 50, 55, 61, 66, 421, and 433.

Added: 688A, 688B, 688C, 688D, 688E, and 688F.

END OF ADDENDUM

UTILITY CONTACTSWISDOT STOC

MR. JEFF MADSON
433 W ST. PAUL AVE, STE 300
MILWAUKEE, WI 53203-3007
414-225-3723
jeffrey.madson@dot.wi.gov

CITY OF PEWAUKEE DPW

MR. JEFF WEGEL
W240 N3065 PEWAUKEE RD
PEWAUKEE, WI 53072
262-691-0770; FAX 262-691-1798
wegel@pewaukee.wi.us

TIME WARNER CABLE

TW CABLE ENGINEERING
1320 N MARTIN LUTHER KING DR
MILWAUKEE, WI 53212
414-277-4045
wls.engineering@twcable.com

WISDOT ATR PULL BOXES

MR. CLIFF SEROWSKI
935 S. 60TH STREET
WEST ALLIS, WI 53214
414-266-1157
clifford.serowski@dot.wi.gov

AT&T WISCONSIN

MR. CARL DONAHUE
2005 PEWAUKEE RD
WAUKESHA, WI 53188
262-352-3791
ak308x@att.com

AT&T CORP.

MR. CARL DONAHUE
866 ROCK CREEK ROAD
PLANO, IL 60545
847-420-9115; FAX 847-244-9597
cd8729@att.com

CENTURYLINK

MR. KEVIN ZICKERT
224 INDUSTRIAL DRIVE
NORTH FRAIRIE, WI 53153
262-392-5200; FAX 262-392-5233
kevin.zickert@centurylink.com

MIDWEST FIBER NETWORKS

MR. RICHARD TRGOVEC
3701 W. BURNHAM STREET STE C
MILWAUKEE WI 53215
414-672-5612; FAX 414-226-2269
rttrgovec@midwestfiber.netw.orfcs.com

WISDOT SIGNALS

MR. DERRIN WOLFORD
141 NW BARSTOW STREET
WAUKESHA, WI 53187-0798
derrin.wolford@dot.wi.gov

TOWN OF DELA FIELD

MS. MARY ELISNER
N14 W30782 GOLF RD
DELA FIELD, WI 53018
262-646-2398

PAETEC BUSINESS SERVICES

MR. JIM KOSTUCH
13935 BISHOPS DR
BROOKFIELD, WI 53005
262-792-7938
james.kostuch@windstream.com

LEVEL 3

MR. BRAHIM GADDOUR
3235 INTERTECH DRIVE, SUITE 600
BROOKFIELD, WI 53045
414-908-1027
reb@level3.com

ATC MANAGEMENT INC

MR. MIKE OLSEN
801 OKEEFE ROAD
PO BOX 6113
DEPERE, WI 54115-6113
920-338-6582
molsen@atcinc.com

WISDOT LIGHTING

MR. ERIC PEREA
141 NW BARSTOW STREET
PO BOX 798
WAUKESHA, WI 53187-0798
eric.perea@dot.wi.gov
molsen@atcinc.com

WE ENERGIES (ELECTRIC & GAS)

MR. LATROY BRUMFIELD
333 W. EVERETT ST - A299
MILWAUKEE, WI 53203
414-221-4578; FAX 414-221-2336
latroy.brumfield@we-energies.com

SUMMIT UTILITY DISTRICT 2

MR. HENRY ELLING
2911 N. DOUSMAN ROAD
OCOMOWOC, WI 53066
262-567-2757; FAX 262-567-4115
ellingh@summittown.org

TDS METROCOM

MR. MICHAEL JOHNSON
20875 CROSSROADS ORGLE, SUITE 800
WAUKESHA, WI 53186
262-754-3052; FAX 262-717-6002
michael.johnson@tdstelecom.com

WE ENERGIES (ELECTRIC): CONSTRUCTION FIELD CONTACT

BRYAN STOEHR
500 S. 116TH ST.
WEST ALLIS, WI
PHONE 414-944-5516
MOBILE 414-416-6059
bryan.stoehr@we-energies.com

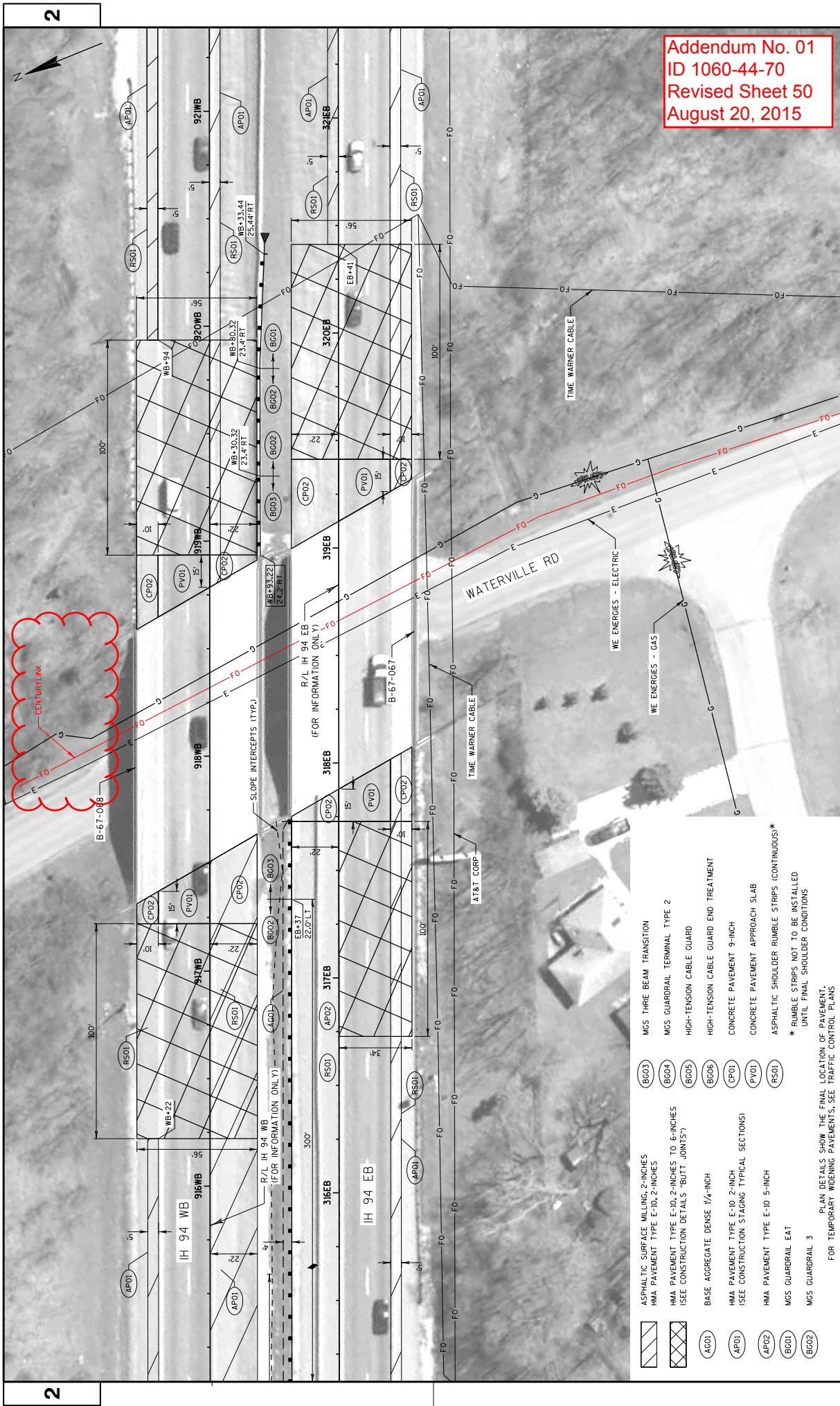
WE ENERGIES (GAS): CONSTRUCTION FIELD CONTACT

TROY NEALEY
500 S. 116TH ST.
WEST ALLIS, WI
PHONE 414-944-5547
MOBILE 414-3224661
troy.nealey@we-energies.com

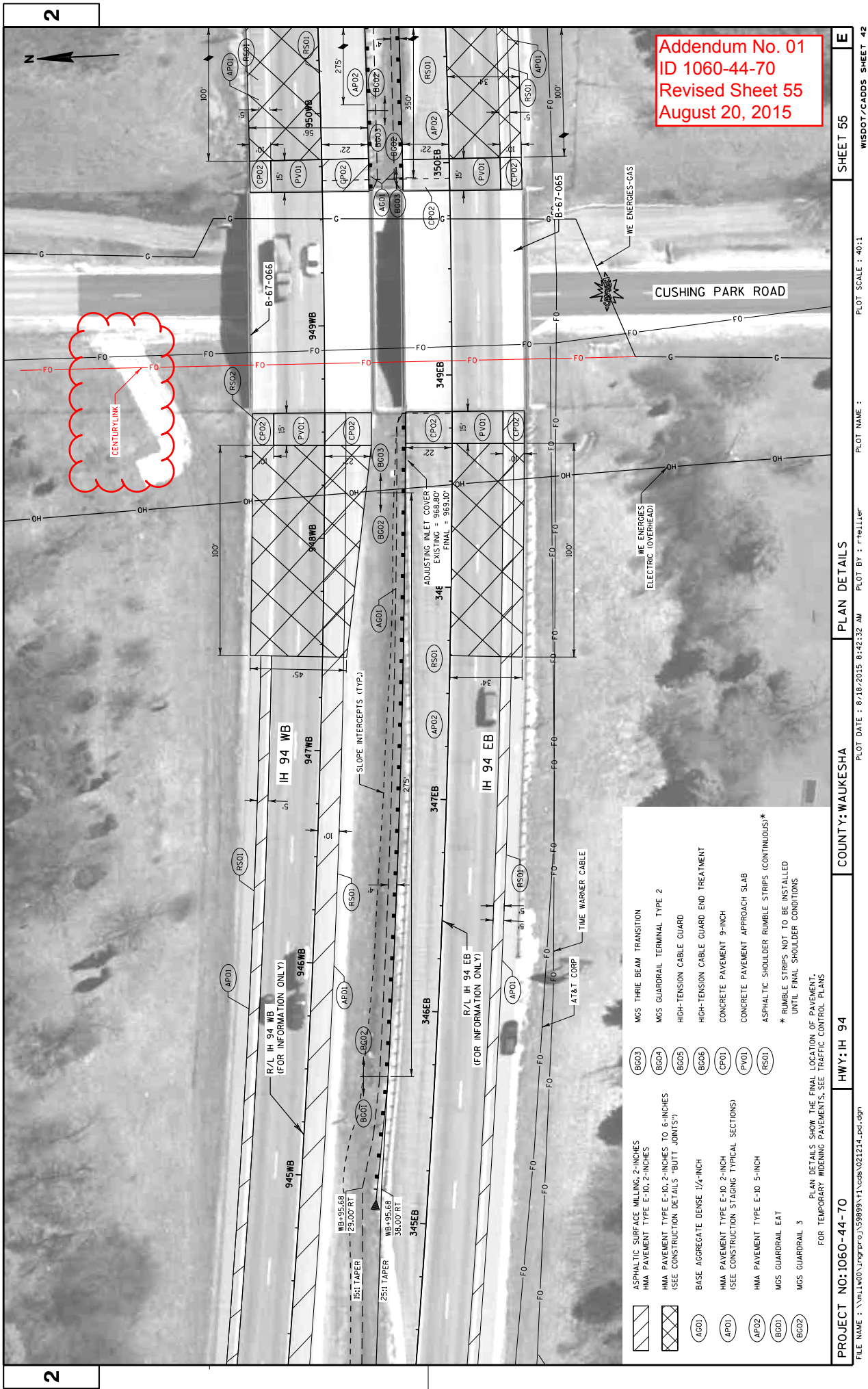


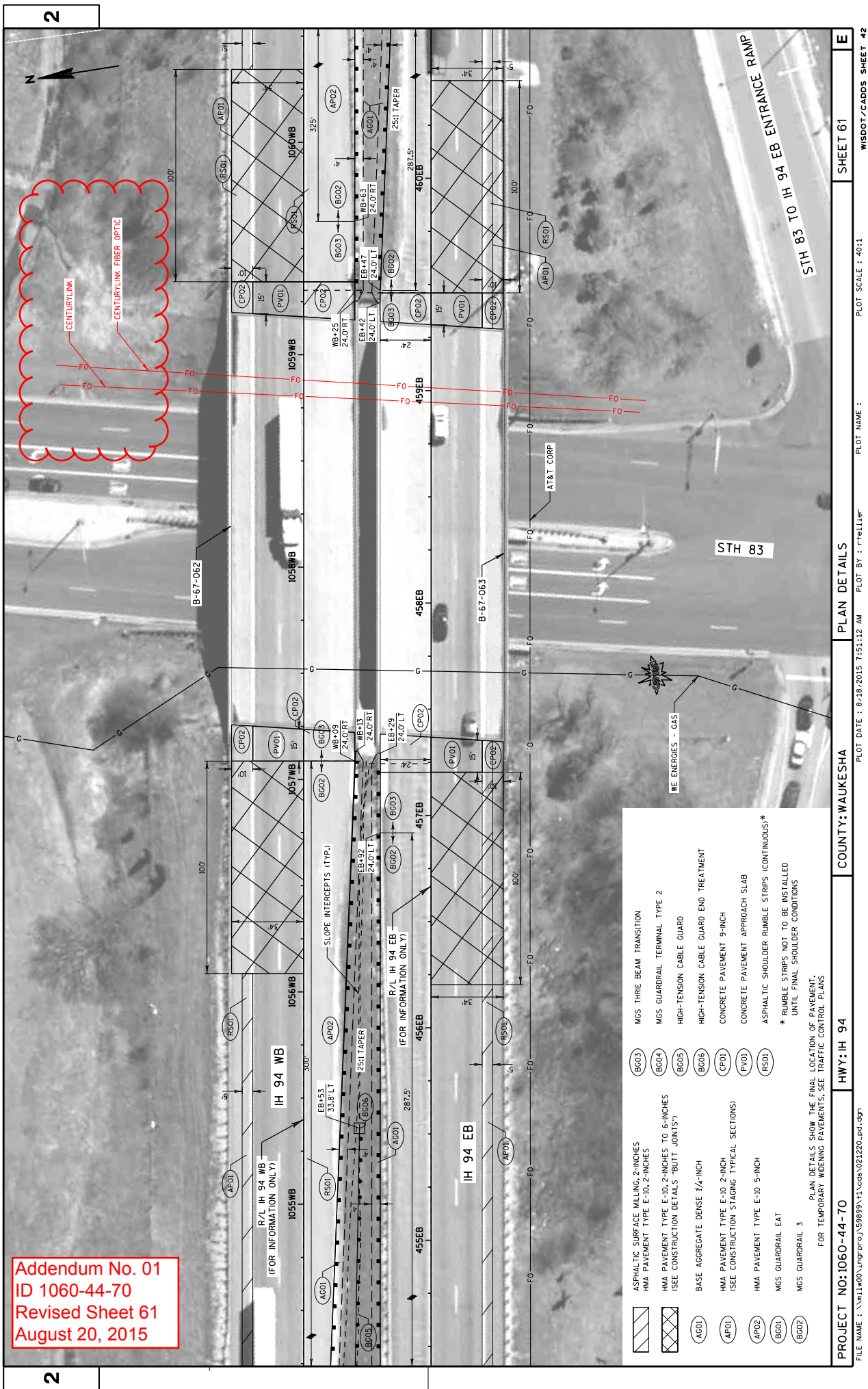
Dial 811 or (800) 242-8511
www.DiggersHotline.com

Addendum No. 01
ID 1060-44-70
Revised Sheet 2
August 20, 2015



ASPHALTIC SURFACE MILLING, 2-INCHES HMA PAVEMENT TYPE E-10, 2-INCHES HMA PAVEMENT TYPE E-10, 2-INCHES TO 6-INCHES (SEE CONSTRUCTION DETAILS "BUTT JOINTS") BASE AGGREGATE DENSE 1 1/2-INCH HMA PAVEMENT TYPE E-10, 2-INCH (SEE CONSTRUCTION STAGING TYPICAL SECTIONS) HMA PAVEMENT TYPE E-10, 5-INCH MCS GUARDRAIL EAT MCS GUARDRAIL 3 <td> MCS THREE BEAM TRANSITION MCS GUARDRAIL TERMINAL TYPE 2 HIGH-TENSION CABLE GUARD HIGH-TENSION CABLE GUARD END TREATMENT CONCRETE PAVEMENT 9-INCH CONCRETE PAVEMENT APPROACH SLAB ASPHALTIC SHOULDER RUMBLE STRIPS (CONTINUOUS)* </td>	MCS THREE BEAM TRANSITION MCS GUARDRAIL TERMINAL TYPE 2 HIGH-TENSION CABLE GUARD HIGH-TENSION CABLE GUARD END TREATMENT CONCRETE PAVEMENT 9-INCH CONCRETE PAVEMENT APPROACH SLAB ASPHALTIC SHOULDER RUMBLE STRIPS (CONTINUOUS)*
- * RUMBLE STRIPS NOT TO BE INSTALLED UNTIL FINAL SHOULDER CONDITIONS FOR TEMPORARY WIDENING PAVEMENTS, SEE TRAFFIC CONTROL PLANS

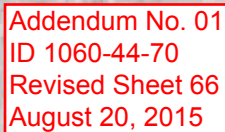




Addendum No. 01
ID 1060-44-70
Revised Sheet 61
August 20, 2015

	ASPHALTIC SURFACE MILLING, 2-INCHES
	HMA PAVEMENT TYPE E-10, 2-INCHES
	HMA PAVEMENT TYPE E-10, 2-INCHES TO 6-INCHES (SEE CONSTRUCTION DETAILS "BUTT JOINTS")
	BASE AGGREGATE DENSE 1 1/2-INCH
	HMA PAVEMENT TYPE E-10, 2-INCH (SEE CONSTRUCTION STAGING TYPICAL SECTIONS)
	HMA PAVEMENT TYPE E-10, 5-INCH
	MCS GUARDRAIL EAT
	MCS GUARDRAIL 3
	MCS THRE BEAM TRANSITION
	MCS GUARDRAIL TERMINAL TYPE 2
	HIGH-TENSION CABLE GUARD
	HIGH-TENSION CABLE GUARD END TREATMENT
	CONCRETE PAVEMENT APPROACH SLAB
	CONCRETE PAVEMENT RUMBLE STRIPS (CONTINUOUS)*
	ASPHALTIC SHOULDER RUMBLE STRIPS (CONTINUOUS)*
	* RUMBLE STRIPS NOT TO BE INSTALLED UNTIL FINAL SHOULDER CONDITIONS

PLAN DETAILS SHOW THE FINAL LOCATION OF PAVEMENT FOR TEMPORARY WIDENING PAVEMENTS, SEE TRAFFIC CONTROL PLANS



PROJECT NO: 1060-44-70

0-44-70
pro j\59899\1\cds\021225_pd.dgn

proj\59899\+1\cds\021225_pd.dgn

Category	Division	From/To Station	Location	Common Excavation (1) (Item No. 205.0100) Cut (2)	EBS Excavation (8) Item No. SPV.0035.0001 EBS Excavation (3)	Salvaged/Unusable Pavement Material (4)	Unexpanded Fill	Expanded Fill (5)		Mass Ordinate +/- (6)	Waste	Borrow	Comment:
								Factor	1.25				
1000	1	914WB+32 to 917WB+63	WB Waterville	96.3	35.0	35.0	0.0	0.0	96.3	131.3	0.0	(Item No. 208.0100)	STAGE 1A WIDENING
		929WB+92 to 963WB+25	WB Cushing Park	2720.7	916.0	916.0	327.1	408.9	2311.9	3227.9	0.0		
		1048WB+75 to 1068WB+00	WB STH 83	2073.0	549.0	549.0	0.0	0.0	2073.0	2622.0	0.0		
		1123WB+57 to 1131WB+75	WB Maple	1479.3	441.0	441.0	6.1	7.6	1473.3	1912.8	0.0		
	Division 1 Subtotal			6369.3	1941.0	1941.0	333.1	416.4	5954.4	7893.9	0.0		
	2	273EB+57 to 294EB+75	EB Nemadhin	2161.7	516.0	516.0	0.0	0.0	2161.7	2677.7	0.0	STAGE 1B WIDENING	
		307EB+70 to 317EB+73	EB Waterville	469.7	385.0	385.0	38.5	48.2	430.6	806.0	0.0		
		330EB+44 to 363EB+00	EB Cushing Park	2524.6	1008.0	1008.0	70.4	88.1	2454.2	3444.6	0.0		
		444EB+25 to 470EB+00	EB STH 83	1829.4	715.0	715.0	293.8	367.3	1535.5	2177.1	0.0		
	Division 2 Subtotal			1893.8	619.0	619.0	66.4	83.0	1827.2	2429.6	0.0		
3	273EB+57 to 294EB+75	IH 94 Nemadhin Median	8878.5	3243.0	3243.0	469.3	586.6	8409.2	11534.9	0.0	(7)	STAGE 2B SHOULDER WORK	
	307EB+70 to 317EB+65	IH 94 Waterville Median	2063.0	0.0	0.0	2161.8	2702.2	-98.8	0.0	639			
	329EB+23 to 364EB+00	IH 94 Cushing Park Median	4573.4	0.0	0.0	566.3	707.9	305.2	163.6	0.0			
	449EB+00 to 466EB+70	IH 94 STH 83 Median	1763.9	0.0	0.0	2981.7	3727.1	1592.2	846.3	0.0			
Division 3 Subtotal			2731.1	0.0	0.0	1555.4	1944.2	1175.7	786.9	0.0			
4	242EBM+50 to 246EBM+50	CTH F Ditch	12002.6	0.0	0.0	8089.0	10111.2	3914.3	2530.9	639	STAGE 4A DITCH REGRADING		
	Division 4 Subtotal			27.3	0.0	0.0	2.1	2.7	25.2	24.6		0.0	
	Category 1000 Totals			2725.7	5184	5184	8891	11114	18278	21960		639	

- Common Excavation is the Cut column. Item number 205.0100
- Salvaged/Unusable Pavement Material is equal to the amount of material determined to be removed for EBS.
- EBS Excavation to be backfilled with Breaker Run (Item No. 310.0100) and Select Crushed Material (Item No. 312.0110).
- EBS quantity calculated under assumption 20% of project area will require EBS. Final locations for EBS to be determined by Engineer.
- Expanded Fill. Factor = 1.25
- The Mass Ordinate + or - Qty. calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.
- Fill material available from Division 1, 2, or 3. Borrow (Item No. 208.0100) quantity is not required.
- EBS Excavation is the EBS Excavation column. Item number SPV.0035.0001

Addendum No. 01
ID 1060-44-70
Revised Sheet 421
August 20, 2015

MOBILIZATION

		619,1000
		MOBILIZATION
CATEGORY	PROJECT	EACH
1000	1060-44-70	1
PROJECT 1060-44-70 TOTAL		1

FIELD OFFICE/FIXED

		SRV.0105.0002
		FIELD
		OFFICE
		FIXED
		LS
CATEGORY	ROADWAY	
1000	PROJECT 1060-44-70	1.0
PROJECT 1060-44-70 TOTAL		1.0

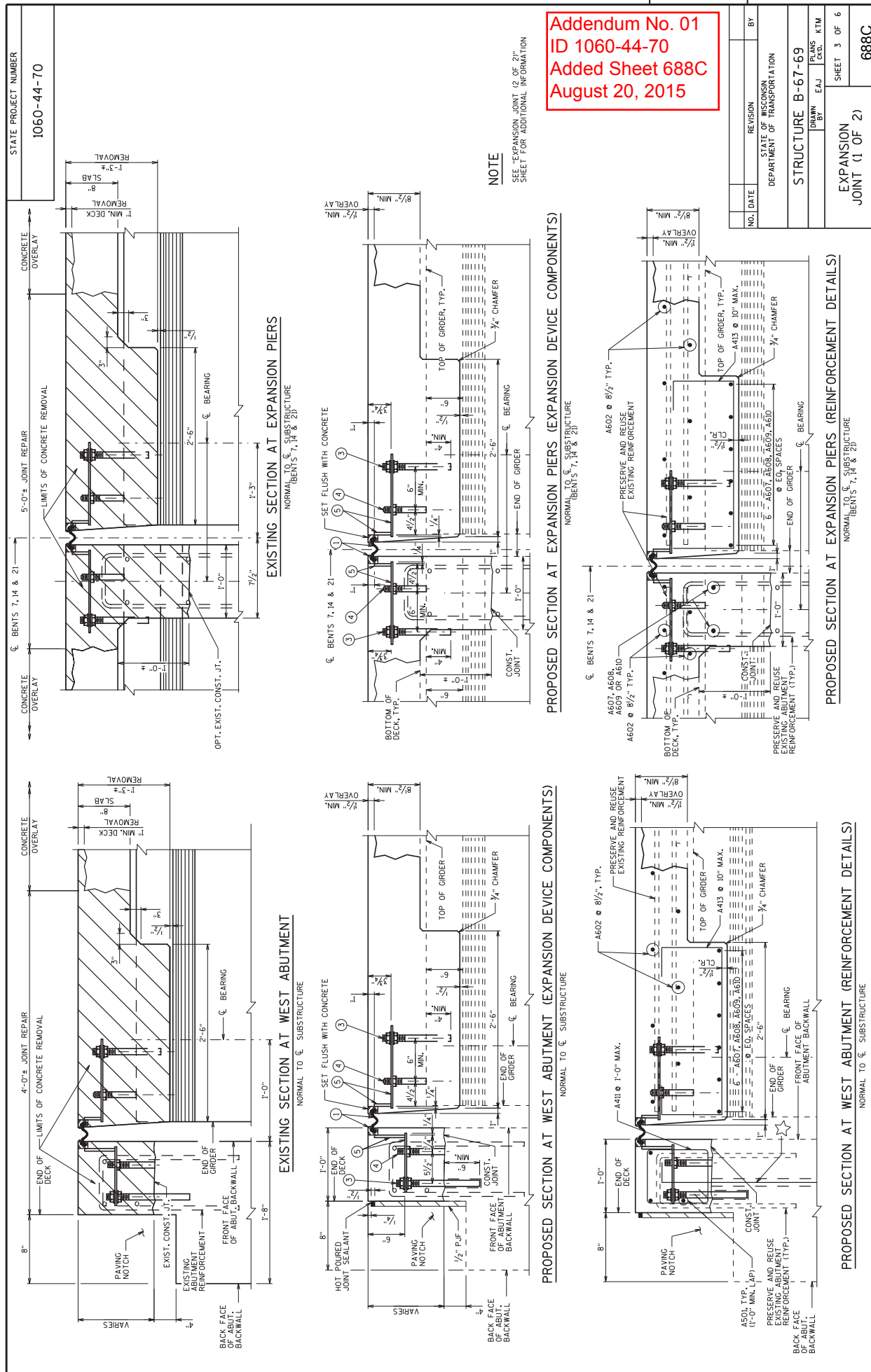
EROSION CONTROL MOBILIZATION

		628,1905	628,1910
		MOBILIZATIONS	MOBILIZATIONS
		EROSION	EROSION
		CONTROL	CONTROL
		EACH	EACH
CATEGORY			

1000	PROJECT 1060-44-70		
	STAGE 1A	4	1
	STAGE 1B	3	1
	STAGE 2A	3	1
	STAGE 2B	3	1
	STAGE 3A	1	1
	STAGE 3B	1	1
	STAGE 4A	1	1
PROJECT 1060-44-70 TOTAL		16	7

Addendum No. 01
ID 1060-44-70
Revised Sheet 433
August 20, 2015

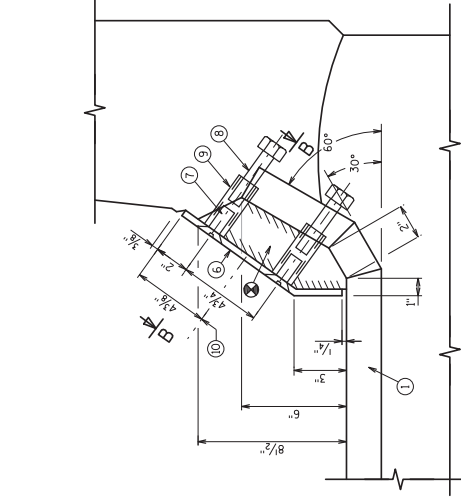




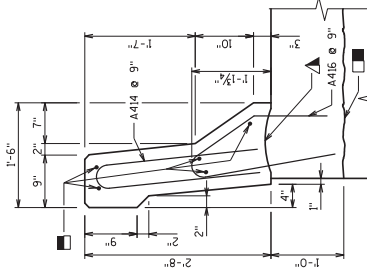
B-67-69 BILL OF BARS

BAR MARK	COAT	NO. REQ'D.	LENGTH	SERIES	LOCATION
A501	X	30	6'-9"		PAVING BLOCK - HORIZONTAL
A602	X	86	28'-10"		DECK - TRANSVERSE
A403	X	70	7'-2"		DECK - HORIZ. BETWEEN ORDERS STAGES 1 & 2
A404	X	14	4'-7"		DECK - HORIZ. BETWEEN ORDERS STAGE 2
A405	X	14	4'-7"		DECK - HORIZ. BETWEEN ORDERS STAGE 1
A406	X	14	5'-3"		DECK - HORIZ. BETWEEN ORDERS STAGE 2
A607	X	150	6'-6"		DAPHRAGM - HORIZ. BETWEEN ORDERS STAGES 1 & 2
A608	X	30	4'-0"		DAPHRAGM - HORIZ. BETWEEN ORDERS STAGE 2
A609	X	30	1'-2"		DAPHRAGM - HORIZ. BETWEEN ORDERS STAGE 1
A610	X	70	5'-2"		DAPHRAGM - HORIZ. BETWEEN ORDERS STAGE 2
A511	X	57	3'-0"	X	PAVING BLOCK - ANCHOR
A512	X	57	3'-0"	X	PAVING BLOCK - ANCHOR
A413	X	240	3'-10"	X	DAPHRAGM - STIRRUPS BETWEEN ORDERS
A414	X	56	4'-10"	X	PARAPET - VERTICAL
A415	X	52	4'-3"	X	PARAPET - VERTICAL
A416	X	4	4'-5"	X	PARAPET - VERTICAL

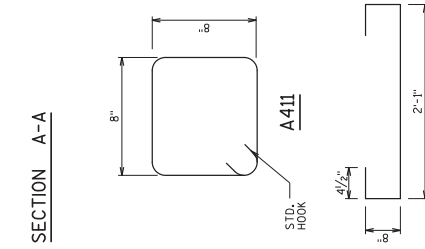
NOTE: BAR DIMENSIONS ARE OUT TO OUT OF BAR. THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.



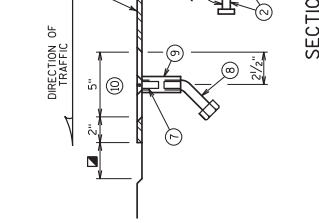
SECTION A-A



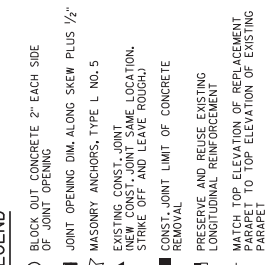
SECTION THRU
PARAPET ON ABUTMENT
AT JOINT REPAIR



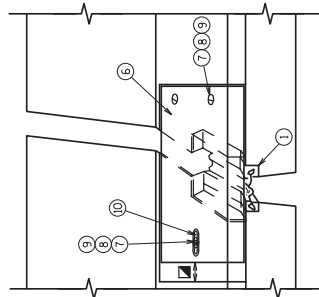
SECTION B-B



LEGEND



VIEW OF SLOPED FACE PARAPET
PLATES FROM ROADWAY



NOTE
SEE EXPANSION JOINT SHEETS FOR
ADDITIONAL INFORMATION.

Addendum No. 01
ID 1060-44-70
Added Sheet 688F
August 20, 2015

NO.	DATE	REVISION	-	BY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION					
STRUCTURE B-67-69					
		DRAWN BY	EAJ	PLANS CDD.	KTM
				SHEET	OF 6
EXPANSION JOINT DETAILS					688F

FILE NAME : I:\59899\b1\B-67-69\cds\080106_expjt.dgn

PLOT DATE : 4/25/2015 7:21:28 AM PLOT BY : ejelinek PLOT NAME : \$files

PLOT SCALE : 0.333333:1

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0200	205.0100 Excavation Common ***	27,251.000 CY	.		.	
0210	208.0100 Borrow ***	639.000 CY	.		.	
0220	213.0100 Finishing Roadway (project) 0001. 1060-44-70	1.000 EACH	.		.	
0230	305.0110 Base Aggregate Dense 3/4-Inch	1,914.000 TON	.		.	
0240	305.0120 Base Aggregate Dense 1 1/4-Inch	34,434.000 TON	.		.	
0250	305.0500 Shaping Shoulders	131.000 STA	.		.	
0260	311.0110 Breaker Run	8,429.000 TON	.		.	
0270	312.0110 Select Crushed Material	6,603.000 TON	.		.	
0280	415.0090 Concrete Pavement 9-Inch	1,320.000 SY	.		.	
0290	415.0410 Concrete Pavement Approach Slab	1,165.000 SY	.		.	
0300	416.0610 Drilled Tie Bars	38.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1150	638.2601 Removing Signs Type I	20.000 EACH	.		.	
1160	638.2602 Removing Signs Type II	294.000 EACH	.		.	
1170	638.3000 Removing Small Sign Supports	203.000 EACH	.		.	
1180	638.3100 Removing Structural Steel Sign Supports	2.000 EACH	.		.	
1200	643.0100 Traffic Control (project) 0001. 1060-44-70	1.000 EACH	.		.	
1210	643.0300 Traffic Control Drums	129,818.000 DAY	.		.	
1220	643.0410 Traffic Control Barricades Type II	4,629.000 DAY	.		.	
1230	643.0705 Traffic Control Warning Lights Type A	9,172.000 DAY	.		.	
1240	643.0715 Traffic Control Warning Lights Type C	35,990.000 DAY	.		.	
1250	643.0800 Traffic Control Arrow Boards	1,020.000 DAY	.		.	
1260	643.0900 Traffic Control Signs	14,798.000 DAY	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1270	643.0910 Traffic Control Covering Signs Type I	2.000 EACH	.		.	
1280	643.0920 Traffic Control Covering Signs Type II	20.000 EACH	.		.	
1290	643.1000 Traffic Control Signs Fixed Message	144.000 SF	.		.	
1300	643.1050 Traffic Control Signs PCMS	1,304.000 DAY	.		.	
1310	643.1055.S Truck or Trailer Mounted Attenuator	272.000 DAY	.		.	
1320	643.3000 Traffic Control Detour Signs	2,881.000 DAY	.		.	
1330	646.0106 Pavement Marking Epoxy 4-Inch	87,542.000 LF	.		.	
1340	646.0600 Removing Pavement Markings	66,759.000 LF	.		.	
1350	646.0841.S Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch	10,021.000 LF	.		.	
1360	646.0843.S Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	10,804.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1370	647.0158 Pavement Marking Arrows Preformed Thermoplastic Type 1	4.000 EACH	.		.	
1380	647.0168 Pavement Marking Arrows Preformed Thermoplastic Type 2	14.000 EACH	.		.	
1390	647.0178 Pavement Marking Arrows Preformed Thermoplastic Type 3	1.000 EACH	.		.	
1400	647.0198 Pavement Marking Arrows Preformed Thermoplastic Type 5	2.000 EACH	.		.	
1410	647.0358 Pavement Marking Words Preformed Thermoplastic	17.000 EACH	.		.	
1420	647.0568 Pavement Marking Stop Line Preformed Thermoplastic 18-Inch	257.000 LF	.		.	
1430	647.0726 Pavement Marking Diagonal Epoxy 12-Inch	93.000 LF	.		.	
1440	647.0746 Pavement Marking Diagonal Epoxy 24-Inch	676.000 LF	.		.	
1450	647.0955 Removing Pavement Markings Arrows	15.000 EACH	.		.	
1460	647.0965 Removing Pavement Markings Words	12.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1470	649.0400 Temporary Pavement Marking Removable Tape 4-Inch	172,871.000 LF	.		.	
1480	649.1200 Temporary Pavement Marking Stop Line Removable Tape 18-Inch	150.000 LF	.		.	
1490	649.2100 Temporary Raised Pavement Markers	244.000 EACH	.		.	
1500	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	323.000 LF	.		.	
1510	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	158.000 LF	.		.	
1520	652.0615 Conduit Special 3-Inch	130.000 LF	.		.	
1530	652.0700.S Install Conduit into Existing Item	11.000 EACH	.		.	
1540	652.0800 Conduit Loop Detector	112.000 LF	.		.	
1550	653.0135 Pull Boxes Steel 24x36-Inch	2.000 EACH	.		.	
1560	653.0140 Pull Boxes Steel 24x42-Inch	1.000 EACH	.		.	
1570	653.0905 Removing Pull Boxes	3.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1580	654.0105 Concrete Bases Type 5	15.000 EACH	.		.	
1590	654.0220 Concrete Control Cabinet Bases Type 10	6.000 EACH	.		.	
1600	655.0260 Cable Traffic Signal 12-14 AWG	445.000 LF	.		.	
1610	655.0515 Electrical Wire Traffic Signals 10 AWG	348.000 LF	.		.	
1620	655.0610 Electrical Wire Lighting 12 AWG	1,350.000 LF	.		.	
1630	655.0630 Electrical Wire Lighting 4 AWG	3,921.000 LF	.		.	
1640	655.0700 Loop Detector Lead In Cable	303.000 LF	.		.	
1650	655.0800 Loop Detector Wire	346.000 LF	.		.	
1660	657.0100 Pedestal Bases	6.000 EACH	.		.	
1670	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	14.000 EACH	.		.	
1680	657.0425 Traffic Signal Standards Aluminum 15-FT	6.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1690	661.0200 Temporary Traffic Signals for Intersections (location) 3001. IH 94 EB Rmps & STH 164/CTH J	LUMP	LUMP			.
1700	661.0200 Temporary Traffic Signals for Intersections (location) 3002. IH 94 WB Rmps & STH 164/CTH J	LUMP	LUMP			.
1710	661.0300 Generators	4.000 DAY	.		.	
1720	662.1032.S Ramp Closure Gates Hardwired 32-FT	3.000 EACH	.		.	
1730	662.1037.S Ramp Closure Gates Hardwired 37-FT	2.000 EACH	.		.	
1740	662.1040.S Ramp Closure Gates Hardwired 40-FT	3.000 EACH	.		.	
1750	662.2028.S Ramp Closure Gates Solar 28-FT	1.000 EACH	.		.	
1760	662.2030.S Ramp Closure Gates Solar 30-FT	2.000 EACH	.		.	
1770	662.2037.S Ramp Closure Gates Solar 37-FT	1.000 EACH	.		.	
1780	662.2040.S Ramp Closure Gates Solar 40-FT	2.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1790	662.3028.S Ramp Closure Gate Arms Stockpile 28-FT	1.000 EACH	.		.	
1800	662.3030.S Ramp Closure Gate Arms Stockpile 30-FT	1.000 EACH	.		.	
1810	662.3032.S Ramp Closure Gate Arms Stockpile 32-FT	1.000 EACH	.		.	
1820	662.3037.S Ramp Closure Gate Arms Stockpile 37-FT	1.000 EACH	.		.	
1830	662.3040.S Ramp Closure Gate Arms Stockpile 40-FT	1.000 EACH	.		.	
1840	662.4000.S Ramp Closure Gate Flashers Stockpile	1.000 EACH	.		.	
1850	670.0100 Field System Integrator 3001. FTMS	LUMP	LUMP		.	
1860	670.0200 ITS Documentation 3001. FTMS	LUMP	LUMP		.	
1870	675.0400.S Install Ethernet Switch	1.000 EACH	.		.	
1880	678.0006 Install Fiber Optic Cable Outdoor Plant 6-CT	1,148.000 LF	.		.	
1890	678.0400 Fiber Optic Termination	12.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1900	678.0500 Communication System Testing 3001. FTMS	LUMP	LUMP			.
1910	690.0150 Sawing Asphalt	43,649.000 LF	.			.
1920	690.0250 Sawing Concrete	1,907.000 LF	.			.
1930	715.0415 Incentive Strength Concrete Pavement	500.000 DOL	1.00000		500.00	
1940	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,200.000 HRS	5.00000		11000.00	
1950	ASP.1T0G On-the-Job Training Graduate at \$5. 00/HR	3,000.000 HRS	5.00000		15000.00	
1960	SPV.0060 Special 0001. Salvage Terminal High-Tension Cable TL-3, Gibraltar	4.000 EACH	.			.
1970	SPV.0060 Special 0002. Terminal High-Tension Cable, TL-3, Gibraltar	4.000 EACH	.			.
1980	SPV.0060 Special 0003. Reinstall Terminal High-Tension Cable TL-3, Gibraltar	4.000 EACH	.			.
1990	SPV.0060 Special 1000. Lamp Disposal High Intensity Discharge	2.000 EACH	.			.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2000	SPV.0060 Special 1001. Group Luminaire Maintenance 30-Foot 250W HPS	2.000 EACH	.		.	
2010	SPV.0060 Special 1002. Removing And Reinstalling Lighting Units	1.000 EACH	.		.	
2020	SPV.0060 Special 1300. Ground Rod	6.000 EACH	.		.	
2030	SPV.0060 Special 3001. Install Fiber Optic Media Converter	1.000 EACH	.		.	
2040	SPV.0060 Special 4000. Cleaning and Painting Bearings	17.000 EACH	.		.	
2050	SPV.0060 Special 4001. Clean Deck Inlets	8.000 EACH	.		.	
2060	SPV.0060 Special 8000. Cover Plates Temporary Special	1.000 EACH	.		.	
2070	SPV.0090 Special 0001. Salvage High-Tension Cable TL-3, Socketed, Gibraltar	2,685.000 LF	.		.	
2080	SPV.0090 Special 0002. High-Tension Cable TL-3, Socketed, Gibraltar	2,280.000 LF	.		.	
2090	SPV.0090 Special 0003. Reinstall High-Tension Cable TL-3, Socketed, Gibraltar	2,280.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2100	SPV.0105 Special 0001. Survey Project 1060-44-70	LUMP	LUMP			.
2110	SPV.0105 Special 1000. Maintenance of Lighting Systems	LUMP	LUMP			.
2120	SPV.0105 Special 3001. Temp EVP System IH 94 EB Ramps & STH 164 / CTH J	LUMP	LUMP			.
2130	SPV.0105 Special 3002. Temp EVP System IH 94 WB Ramps & STH 164 / CTH J	LUMP	LUMP			.
2140	SPV.0105 Special 3003. Temp Vehicle Detction System for Intrscnns IH 94 EB Ramps & STH 164/CTH J	LUMP	LUMP			.
2150	SPV.0105 Special 3004. Temp Vehicle Detection System for Intrscnns IH 94 WB Ramps & STH 164/CTH J	LUMP	LUMP			.
2160	SPV.0105 Special 3005. Covering Traffic Signal Heads IH 94 Ramps & STH 164 / CTH J	LUMP	LUMP			.
2170	SPV.0105 Special 3007. Remove Traffic Signals IH 94 & STH 164/CTH J	LUMP	LUMP			.
2180	SPV.0105 Special 3008. Remove Loop Detector Wire & Lead- in Cable IH 94 & STH 164/CTH J	LUMP	LUMP			.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2190	SPV.0105 Special 4000. Vegetation Removal B-67-14	LUMP	LUMP			.
2200	SPV.0105 Special 4001. Vegetation Removal B-67-60	LUMP	LUMP			.
2210	SPV.0105 Special 4002. Vegetation Removal B-67-61	LUMP	LUMP			.
2220	SPV.0105 Special 4003. Vegetation Removal B-67-62	LUMP	LUMP			.
2230	SPV.0105 Special 4004. Vegetation Removal B-67-63	LUMP	LUMP			.
2240	SPV.0105 Special 4005. Vegetation Removal B-67-65	LUMP	LUMP			.
2250	SPV.0105 Special 4006. Vegetation Removal B-67-66	LUMP	LUMP			.
2260	SPV.0105 Special 4007. Vegetation Removal B-67-67	LUMP	LUMP			.
2270	SPV.0105 Special 4008. Vegetation Removal B-67-68	LUMP	LUMP			.
2280	SPV.0105 Special 4009. Vegetation Removal B-67-140	LUMP	LUMP			.
2290	SPV.0105 Special 4010. Vegetation Removal B-67-234	LUMP	LUMP			.

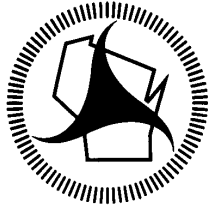
SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2300	SPV.0105 Special 4011. Vegetation Removal B-67-235	LUMP	LUMP		.	
2310	SPV.0105 Special 4020. Fence Removal and Replacement B-67-234	LUMP	LUMP		.	
2320	SPV.0105 Special 4021. Fence Removal and Replacement B-67-235	LUMP	LUMP		.	
2330	SPV.0165 Special 4000. Removing Loose Concrete	438.000 SF	.		.	
2340	SPV.0170 Special 0001. Proof Rolling	192.000 STA	.		.	
2350	SPV.0180 Special 0001. Geogrid Reinforcement	865.000 SY	.		.	
2360	SPV.0180 Special 4000. Clean Abutment Seats	111.000 SY	.		.	
2370	SPV.0195 Special 0001. Cold Patch	30.000 TON	.		.	
2380	SPV.0035 Special 0001. EBS Excavation	5,184.000 CY	.		.	
2390	SPV.0105 Special 0002. Field Office Fixed	LUMP	LUMP		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	



Wisconsin Department of Transportation

August 27, 2015

Division of Transportation Systems Development

Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #02: 1060-44-70, WISC 2015 484
East West Freeway
CTH P to CTH F
IH 94
Waukesha County

Letting of September 15, 2015

This is Addendum No. 2, which provides for the following:

Special Provisions

Added Special Provisions	
Article No.	Description
80	Pavement Marking Contrast Grooved Preformed Thermoplastic Arrows Type 1, Item SPV.0060.0004; Arrows Type 2, Item SPV.0060.0005; Arrows Type 3, Item SPV.0060.0006; Arrows Type 5, Item SPV.0060.0007; Words, Item SPV.0060.0008; Stop Line 18-Inch, Item SPV.0090.0004.

Schedule of Items

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0060.0004	Pavement Marking Contrast Grooved Preformed Thermoplastic Arrows Type 1, Item SPV.0060.0004	Each	0	4	4
SPV.0060.0005	Pavement Marking Contrast Grooved Preformed Thermoplastic Arrows Type 2, Item SPV.0060.0005	Each	0	14	14
SPV.0060.0006	Pavement Marking Contrast Grooved Preformed Thermoplastic Arrows Type 3, Item SPV.0060.0006	Each	0	1	1
SPV.0060.0007	Pavement Marking Contrast Grooved Preformed Thermoplastic Arrows Type 5, Item SPV.0060.0007	Each	0	2	2
SPV.0060.0008	Pavement Marking Contrast Grooved Preformed Thermoplastic Words, Item SPV.0060.0008	Each	0	17	17

SPV.0090.0004	Pavement Marking Contrast Grooved Preformed Thermoplastic Stop Line 18-Inch, Item SPV.0090.0004	LF	0	257	257

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
647.0158	Pavement Marking Arrows Preformed Thermoplastic Type 1	Each	4	0	0
647.0168	Pavement Marking Arrows Preformed Thermoplastic Type 2	Each	14	0	0
647.0178	Pavement Marking Arrows Preformed Thermoplastic Type 3	Each	1	0	0
647.0198	Pavement Marking Arrows Preformed Thermoplastic Type 5	Each	2	0	0
647.0358	Pavement Marking Words Preformed Thermoplastic	Each	17	0	0
647.0568	Pavement Marking Stop Line Preformed Thermoplastic 18-Inch	LF	257	0	0

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
216	Revised bid item Pavement Marking Preformed Thermoplastic to Pavement Marking Contrast Grooved Preformed Thermoplastic
252	Revised bid items Pavement Marking Preformed Thermoplastic to Pavement Marking Contrast Grooved Preformed Thermoplastic
253	Revised bid items Pavement Marking Preformed Thermoplastic to Pavement Marking Contrast Grooved Preformed Thermoplastic
254	Revised bid items Pavement Marking Preformed Thermoplastic to Pavement Marking Contrast Grooved Preformed Thermoplastic
255	Revised bid items Pavement Marking Preformed Thermoplastic to Pavement Marking Contrast Grooved Preformed Thermoplastic
441	Revised bid items Pavement Marking Preformed Thermoplastic to Pavement Marking Contrast Grooved Preformed Thermoplastic

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 2

1060-44-70

August 27, 2015

Special Provisions

- 80. Pavement Marking Contrast Grooved Preformed Thermoplastic Arrows Type 1, Item SPV.0060.0004; Arrows Type 2, Item SPV.0060.0005; Arrows Type 3, Item SPV.0060.0006; Arrows Type 5, Item SPV.0060.0007; Words, Item SPV.0060.0008; Stop Line 18-Inch, Item SPV.0090.0004.**

A Description

This special provision describes grooving the pavement surface, and furnishing and installing contrast preformed thermoplastic pavement marking as shown on the plans, in accordance with section 647 of the standards specifications, and as hereinafter provided.

B Materials

Furnish 125 mils preformed thermoplastic pavement marking from the department's approved products list. If required, furnish sealant material recommended by the manufacturer.

C Construction

C.1 General

For quality assurance, provide the project engineer and the region's Marking Section evidence of manufacturer training in the proper placement and installation of preformed thermoplastic pavement marking.

Plane the grooved lines in accordance with the plan details. Use grooving equipment with a free-floating, independent cutting or grinding head. Plane a minimum number of passes to create a smooth groove.

C.2 Groove Depth

Cut the groove to a depth of 120 mils $\pm$ 10 mils deep from the pavement surface or, if tined, from the high point of the tined surface. Measure depth using a straightedge placed perpendicular to the groove. The department may periodically check groove depths.

C.3 Groove Width – Linear Markings

Cut the groove 1-inch wider than the width of the thermoplastic.

C.4 Groove Position

Position the groove edge in accordance with the plan details.

C.4.1 Linear Marking

Groove at a minimum of 4-inches, but not greater than, 12-inches from both ends of the line segment. Achieve straight alignment with the grooving equipment.

C.4.2 Special Marking

Groove at a minimum of 4-inches from the perimeter of the special marking. Groove separate areas for Word Items.

C.5 Groove Cleaning

C.5.1 Concrete

Cooling the cutting head with water may be necessary for some applications and equipment. If cooling water is necessary, flush the groove immediately with water after cutting to remove any build-up of cement dust and water slurry. If this is not done, the slurry may harden in the groove.

If water is used in the grooving process, allow the groove to dry a minimum of 24 hours after groove cleaning, after removal of excess water, and prior to pavement marking application. Clean and dry the groove for proper application of the sealant, and placement of the pavement marking. Use a high-pressure air blower with at least 185 ft³/min air flow and 90 psi air pressure to clean the groove; use of the air blower does not decrease the amount of time required for the groove to dry.

C.5.2 Asphalt

Use a high-pressure air blower with at least 185 ft³/min air flow and 90 psi air pressure to clean the groove.

Check for structural integrity in supporting grooving operations. If the structural integrity of the asphalt pavement is inadequate to support grooving operations, immediately notify the engineer.

C.6 Preformed Thermoplastic Application

Preheat the surface if necessary based on manufacturer's recommendation.

Apply preformed thermoplastic in the groove as per manufacturer's recommendations. If manufacturer's recommendations require a sealant, apply a sealant lower than 91g/l VOC during the following period of time due to Volatile Organic Compound Limitations:

May 1 to September 30, both dates inclusive – the Southeast Region and the ozone non-attainment Northeast Region counties of Sheboygan, Manitowoc, and Kewaunee.

Use any sealant in the remainder counties and for the remainder of the year. The sealant must be wet.

D Measurement

The department will measure Pavement Marking Contrast Grooved Preformed Thermoplastic by the unit, acceptably placed, or in length by the linear foot of tape placed in accordance with the contract and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0004	Pavement Marking Contrast Grooved Preformed	Each
	Thermoplastic Arrows Type 1	
SPV.0060.0005	Pavement Marking Contrast Grooved Preformed	Each
	Thermoplastic Arrows Type 2	
SPV.0060.0006	Pavement Marking Contrast Grooved Preformed	Each
	Thermoplastic Arrows Type 3	
SPV.0060.0007	Pavement Marking Contrast Grooved Preformed	Each
	Thermoplastic Arrows Type 5	
SPV.0060.0008	Pavement Marking Contrast Grooved Preformed	Each
	Thermoplastic Words	
SPV.0090.0004	Pavement Marking Contrast Grooved Preformed	
	Thermoplastic Stop Line 18-Inch	LF

Payment is full compensation for cleaning and preparing the pavement surface, furnishing and installing the material; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the contract work.

Schedule of Items

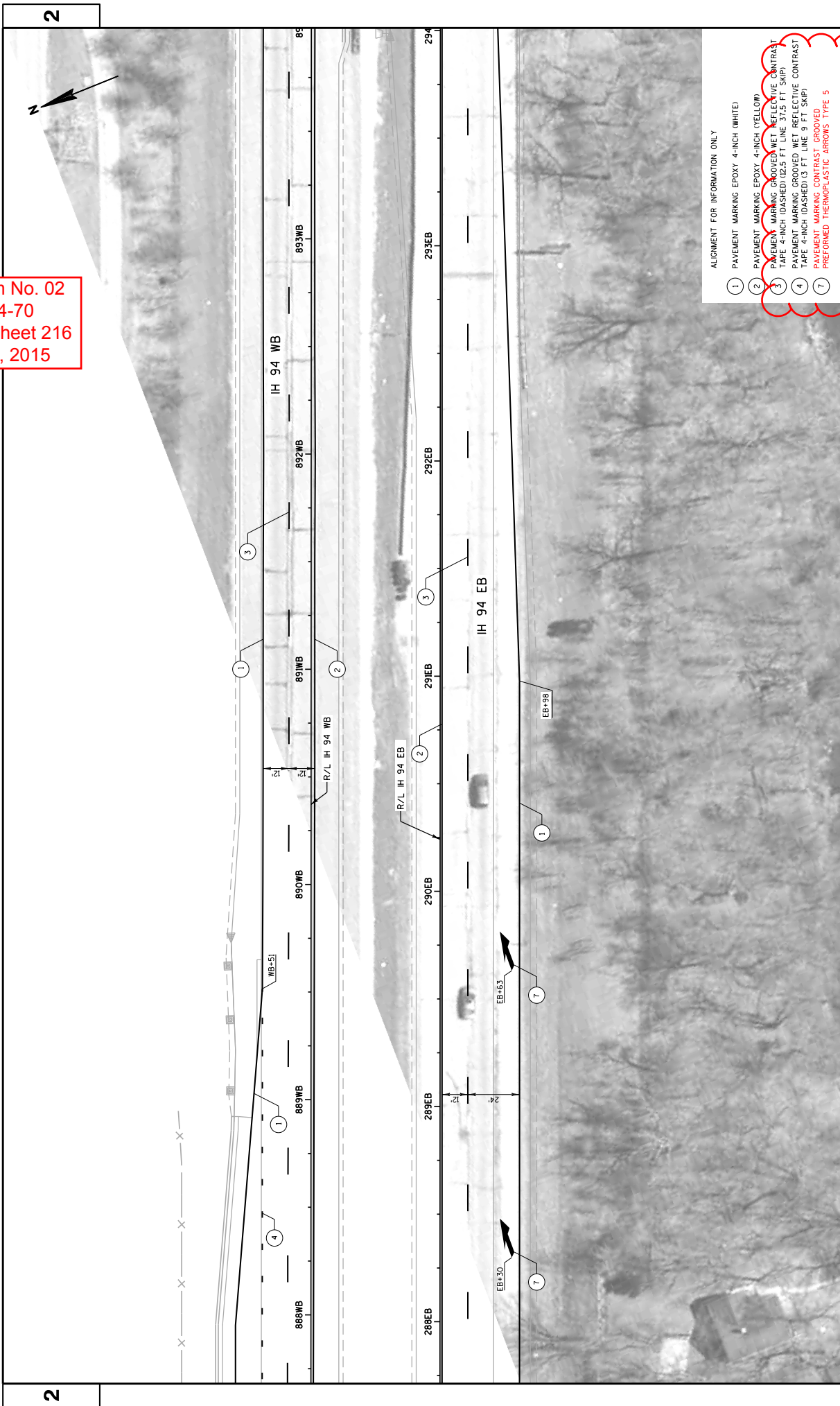
Attached, dated August 27, 2015, are the revised Schedule of Items Pages 1 – 24.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 216, 252 - 255, and 441

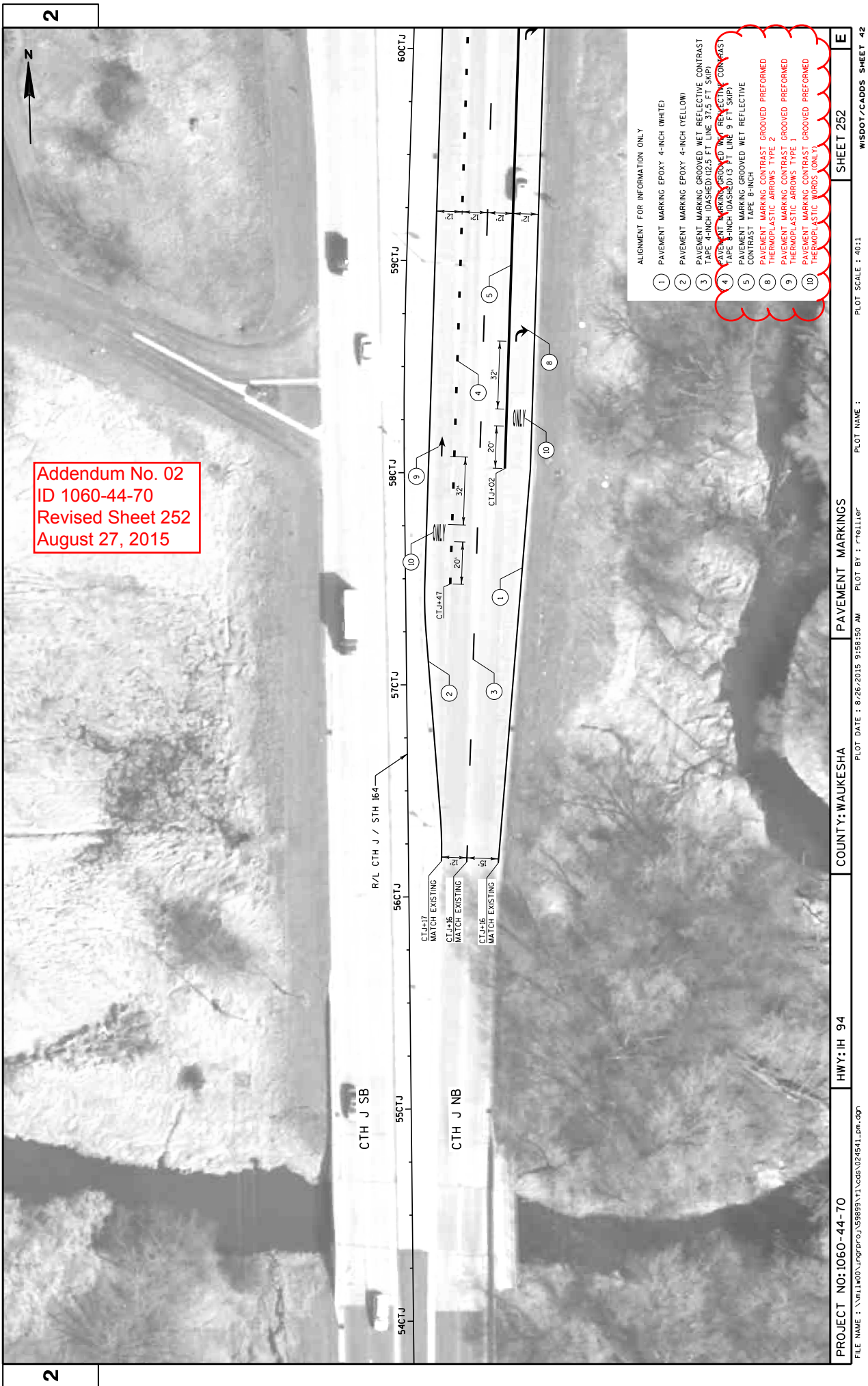
END OF ADDENDUM



ALIGNMENT FOR INFORMATION ONLY

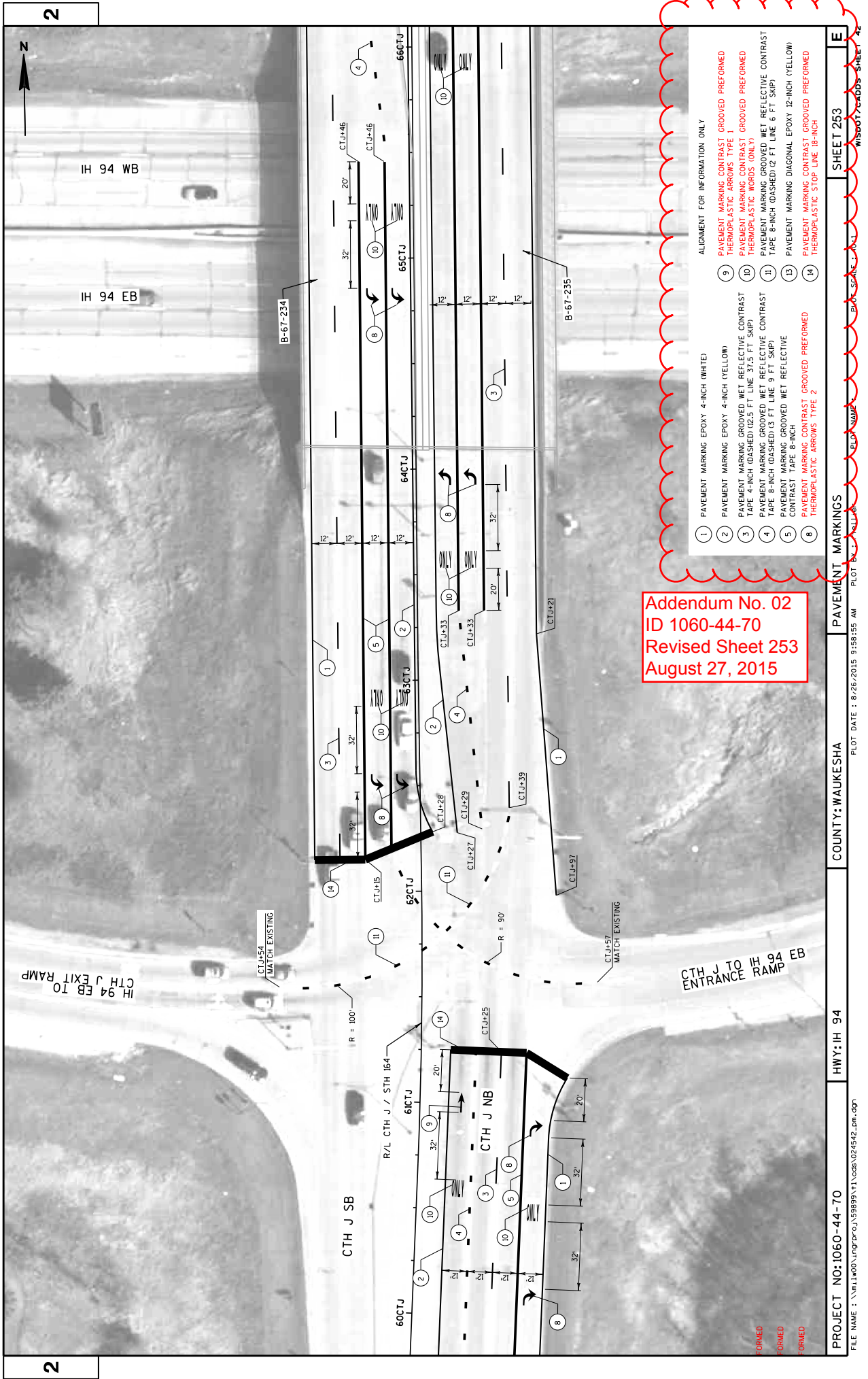
1. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
3. PAVEMENT MARKING GROoved WET REFLECTIVE CONTRAST TAPE 4-INCH (DASHED 12.5 FT LINE 37.5 FT SKIP)
4. PAVEMENT MARKING GROoved WET REFLECTIVE CONTRAST TAPE 4-INCH (DASHED 13 FT LINE 37 FT SKIP)
5. PAVEMENT MARKING CONTRAST GROoved THERMOPLASTIC ARROWS TYPE 5

PROJECT NO: 1060-44-70	HWY: IH 94	COUNTY: WAUKESHA	PAVEMENT MARKINGS	SHEET 216
PLOT DATE : 8/26/2015 9:58:46 AM			PLOT BY : rHeller	PLOT SCALE : 40:1
FILE NAME : \\nvl1001\ngprproj\99999\1\1\cads\024595.dgn				



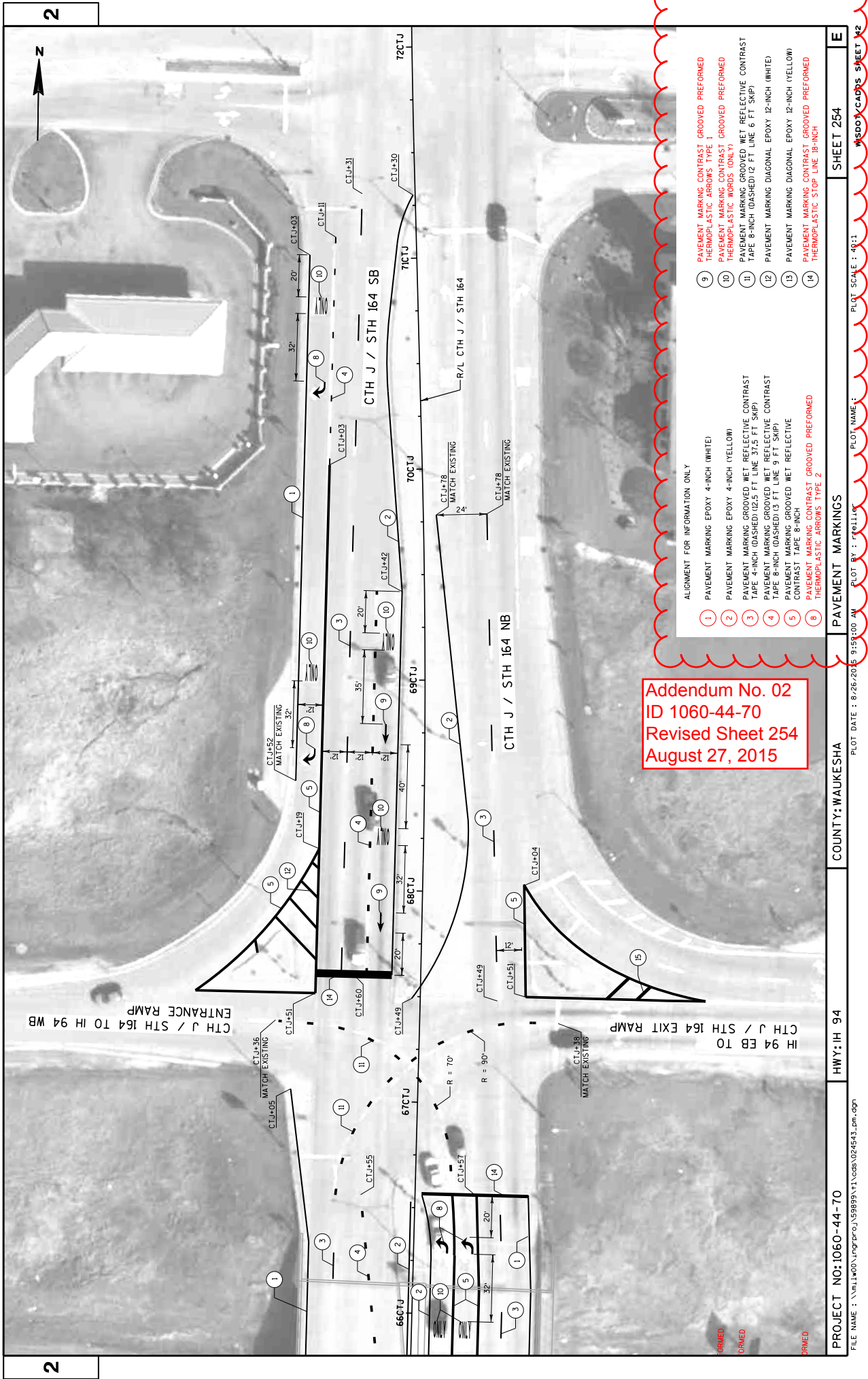
Addendum No. 02
ID 1060-44-70
Revised Sheet 252
August 27, 2015

- ALIGNMENT FOR INFORMATION ONLY
- 1 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
 - 2 PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
 - 3 PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (DASHED) 102.5 FT LINE 37.5 FT SKIP
 - 4 PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (DASHED) 13 FT LINE 9 FT SKIP
 - 5 PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH
 - 6 PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2
 - 7 PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 1
 - 8 PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC WORDS (ONLY)



Addendum No. 02
ID 1060-44-70
Revised Sheet 253
August 27, 2015

ALIGNMENT FOR INFORMATION ONLY	
1	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
2	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
3	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (DASHED) (2.5 FT LINE 37.5 FT SMP)
4	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (DASHED) (3 FT LINE 9 FT SMP)
5	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH
6	PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2
7	PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 1
8	PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 1
9	PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 1
10	PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 1
11	PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 1
12	PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 1
13	PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 1
14	PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 1



Addendum No. 02
ID 1060-44-70
Revised Sheet 254
August 27, 2015

ALIGNMENT FOR INFORMATION ONLY

1 PAVEMENT MARKING EPOXY 4-INCH (WHITE)

2 PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

3 PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (DASHED) (12.5 FT LINE 37.5 FT SKIP)

4 PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (DASHED) (13 FT LINE 9 FT SKIP)

5 PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH

8 PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2

9 PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 1

10 PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC WORDS (ONLY)

11 PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (DASHED) (12 FT LINE 6 FT SKIP)

12 PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (WHITE)

13 PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

14 PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH

PAVEMENT MARKINGS

COUNTY: WAUKESHA

HWY: IH 94

PROJECT NO: 1060-44-70

SHEET 254

FILE NAME : \\m11w00\eng\proj\59889\1\cds\024543.dgn

PLOT DATE : 8/26/2015 9:55:00 AM

PLOT BY : PCELLIER

PLOT NAME :

PLOT SCALE : 40:1

WSDOT/CADS SHEET 42

Addendum No. 02
ID 1060-44-70
Revised Sheet 255
August 27, 2015



- ALIGNMENT FOR INFORMATION ONLY
- ③ PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (DASHED) 102.5 FT LINE 37.5 FT SKIP
 - ⑤ PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH
 - ⑥ PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2
 - ⑧ PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC WORDS (ONLY)
 - ⑩ PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH
 - ⑫ PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 3

Addendum No. 02
ID 1060-44-70
Revised Sheet 441
August 27, 2015

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

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

SECTION 0001 Roadway Items

0010	108.4400 CPM Progress Schedule	1.000 EACH	.		.	
0020	201.0110 Clearing	1,662.000 SY	.		.	
0030	201.0210 Grubbing	1,314.000 SY	.		.	
0040	203.0100 Removing Small Pipe Culverts	3.000 EACH	.		.	
0050	203.0200 Removing Old Structure (station) 0001. 65+12	LUMP	LUMP		.	
0060	203.0225.S Debris Containment (structure) 0001. B-67-62	LUMP	LUMP		.	
0070	203.0225.S Debris Containment (structure) 0002. B-67-63	LUMP	LUMP		.	
0080	203.0225.S Debris Containment (structure) 0003. B-67-234	LUMP	LUMP		.	
0090	203.0225.S Debris Containment (structure) 0004. B-67-235	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0100	203.0700.S Removing Old Structure Over Waterway With Debris Capture System (station) 0003. 301+00	LUMP	LUMP			.
0110	204.0100 Removing Pavement	SY 2,441.000	.		.	
0120	204.0115 Removing Asphaltic Surface Butt Joints	SY 9,422.000	.		.	
0130	204.0125 Removing Asphaltic Surface Milling	TON 2,779.000	.		.	
0140	204.0150 Removing Curb & Gutter	LF 172.000	.		.	
0150	204.0155 Removing Concrete Sidewalk	SY 79.000	.		.	
0160	204.0165 Removing Guardrail	LF 2,880.000	.		.	
0170	204.0175 Removing Concrete Slope Paving	SY 4.000	.		.	
0180	204.0195 Removing Concrete Bases	EACH 2.000	.		.	
0190	204.0220 Removing Inlets	EACH 2.000	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0200	205.0100 Excavation Common ***	27,251.000 CY	.		.	
0210	208.0100 Borrow ***	639.000 CY	.		.	
0220	213.0100 Finishing Roadway (project) 0001. 1060-44-70	1.000 EACH	.		.	
0230	305.0110 Base Aggregate Dense 3/4-Inch	1,914.000 TON	.		.	
0240	305.0120 Base Aggregate Dense 1 1/4-Inch	34,434.000 TON	.		.	
0250	305.0500 Shaping Shoulders	131.000 STA	.		.	
0260	311.0110 Breaker Run	8,429.000 TON	.		.	
0270	312.0110 Select Crushed Material	6,603.000 TON	.		.	
0280	415.0090 Concrete Pavement 9-Inch	1,320.000 SY	.		.	
0290	415.0410 Concrete Pavement Approach Slab	1,165.000 SY	.		.	
0300	416.0610 Drilled Tie Bars	38.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0310	416.0620 Drilled Dowel Bars	32.000 EACH	.		.	
0320	455.0120 Asphaltic Material PG64-28	471.000 TON	.		.	
0330	455.0605 Tack Coat	2,699.000 GAL	.		.	
0340	460.1110 HMA Pavement Type E-10	7,116.000 TON	.		.	
0350	460.2000 Incentive Density HMA Pavement	4,600.000 DOL	1.000000		4600.00	
0360	465.0125 Asphaltic Surface Temporary	4,982.000 TON	.		.	
0370	465.0400 Asphaltic Shoulder Rumble Strips	41,734.000 LF	.		.	
0380	502.0100 Concrete Masonry Bridges	4.000 CY	.		.	
0390	502.3100 Expansion Device (structure) 0001. B-67-62	LUMP	LUMP		.	
0400	502.3100 Expansion Device (structure) 0002. B-67-63	LUMP	LUMP		.	
0410	502.3100 Expansion Device (structure) 0003. B-67-69	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0420	502.3100 Expansion Device (structure) 0004. B-67-234	LUMP	LUMP			.
0430	502.3100 Expansion Device (structure) 0005. B-67-235	LUMP	LUMP			.
0440	502.3200 Protective Surface Treatment	17,211.000 SY		.		.
0450	502.3215.S Protective Surface Treatment Reseal	2,382.000 SY		.		.
0460	502.5002 Masonry Anchors Type L No. 4 Bars	133.000 EACH		.		.
0470	502.5005 Masonry Anchors Type L No. 5 Bars	543.000 EACH		.		.
0480	505.0605 Bar Steel Reinforcement HS Coated Bridges	25,670.000 LB		.		.
0490	505.0904 Bar Couplers No. 4	22.000 EACH		.		.
0500	505.0905 Bar Couplers No. 5	26.000 EACH		.		.
0510	505.0906 Bar Couplers No. 6	115.000 EACH		.		.
0520	506.2610 Bearing Pads Elastomeric Laminated	52.000 EACH		.		.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0530	506.7050.S Removing Bearings (structure) 0001. B-67-0014	36.000 EACH	.		.	
0540	506.7050.S Removing Bearings (structure) 0002. B-67-140	16.000 EACH	.		.	
0550	509.0301 Preparation Decks Type 1	43.000 SY	.		.	
0560	509.0302 Preparation Decks Type 2	16.000 SY	.		.	
0570	509.0500 Cleaning Decks	16,843.000 SY	.		.	
0580	509.1000 Joint Repair	344.000 SY	.		.	
0590	509.1500 Concrete Surface Repair	540.000 SF	.		.	
0600	509.2000 Full-Depth Deck Repair	3.000 SY	.		.	
0610	509.2500 Concrete Masonry Overlay Decks	1,089.000 CY	.		.	
0620	517.1800.S Structure Repainting Recycled Abrasive (structure) 0001. B-67-0014	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0630	517.1800.S Structure Repainting Recycled Abrasive (structure) 0002. B-67-140	LUMP	LUMP			.
0640	517.1800.S Structure Repainting Recycled Abrasive (structure) 0003. B-67-234	LUMP	LUMP			.
0650	517.1800.S Structure Repainting Recycled Abrasive (structure) 0004. B-67-235	LUMP	LUMP			.
0660	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0001. B-67-0014	LUMP	LUMP			.
0670	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0002. B-67-140	LUMP	LUMP			.
0680	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0003. B-67-234	LUMP	LUMP			.
0690	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0004. B-67-235	LUMP	LUMP			.
0700	517.6001.S Portable Decontamination Facility	4.000 EACH				.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0710	601.0409 Concrete Curb & Gutter 30-Inch Type A	161.000 LF	.		.	
0720	602.0410 Concrete Sidewalk 5-Inch	582.000 SF	.		.	
0730	603.8000 Concrete Barrier Temporary Precast Delivered	30,171.000 LF	.		.	
0740	603.8125 Concrete Barrier Temporary Precast Installed	37,032.000 LF	.		.	
0750	604.0400 Slope Paving Concrete	4.000 SY	.		.	
0760	604.9010.S Slope Paving Repair Crushed Aggregate	168.000 CY	.		.	
0770	604.9015.S Reseal Crushed Aggregate Slope Paving	5,020.000 SY	.		.	
0780	611.8115 Adjusting Inlet Covers	3.000 EACH	.		.	
0790	614.0200 Steel Thrie Beam Structure Approach	42.000 LF	.		.	
0800	614.0305 Steel Plate Beam Guard Class A	125.000 LF	.		.	
0810	614.0345 Steel Plate Beam Guard Short Radius	61.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0820	614.0390 Steel Plate Beam Guard Short Radius Terminal	2.000 EACH	.		.	
0830	614.0905 Crash Cushions Temporary	30.000 EACH	.		.	
0840	614.2300 MGS Guardrail 3	2,950.000 LF	.		.	
0850	614.2500 MGS Thrie Beam Transition	375.000 LF	.		.	
0860	614.2610 MGS Guardrail Terminal EAT	9.000 EACH	.		.	
0870	614.2620 MGS Guardrail Terminal Type 2	3.000 EACH	.		.	
0880	619.1000 Mobilization	1.000 EACH	.		.	
0890	620.0300 Concrete Median Sloped Nose	11.000 SF	.		.	
0900	625.0500 Salvaged Topsoil	26,795.000 SY	.		.	
0910	627.0200 Mulching	499.000 SY	.		.	
0920	628.1905 Mobilizations Erosion Control	16.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0930	628.1910 Mobilizations Emergency Erosion Control	7.000 EACH	.		.	
0940	628.2004 Erosion Mat Class I Type B	45,077.000 SY	.		.	
0950	628.7010 Inlet Protection Type B	27.000 EACH	.		.	
0960	628.7015 Inlet Protection Type C	11.000 EACH	.		.	
0970	628.7570 Rock Bags	1,915.000 EACH	.		.	
0980	629.0210 Fertilizer Type B	34.000 CWT	.		.	
0990	630.0120 Seeding Mixture No. 20	878.000 LB	.		.	
1000	630.0160 Seeding Mixture No. 60	8.000 LB	.		.	
1010	630.0200 Seeding Temporary	787.000 LB	.		.	
1020	634.0612 Posts Wood 4x6-Inch X 12-FT	24.000 EACH	.		.	
1030	634.0618 Posts Wood 4x6-Inch X 18-FT	283.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1040	634.0622 Posts Wood 4x6-Inch X 22-FT	10.000 EACH	.		.	
1050	634.0816 Posts Tubular Steel 2x2-Inch X 16-FT	10.000 EACH	.		.	
1060	635.0200 Sign Supports Structural Steel HS	2,000.000 LB	.		.	
1070	635.0300 Sign Supports Replacing Base Connection Bolts	16.000 EACH	.		.	
1080	636.0100 Sign Supports Concrete Masonry	4.800 CY	.		.	
1090	636.0500 Sign Supports Steel Reinforcement	294.000 LB	.		.	
1100	637.1220 Signs Type I Reflective SH	7,215.500 SF	.		.	
1110	637.2210 Signs Type II Reflective H	2,533.025 SF	.		.	
1120	637.2215 Signs Type II Reflective H Folding	473.800 SF	.		.	
1130	637.2230 Signs Type II Reflective F	569.500 SF	.		.	
1140	638.2102 Moving Signs Type II	25.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1150	638.2601 Removing Signs Type I	20.000 EACH	.		.	
1160	638.2602 Removing Signs Type II	294.000 EACH	.		.	
1170	638.3000 Removing Small Sign Supports	203.000 EACH	.		.	
1180	638.3100 Removing Structural Steel Sign Supports	2.000 EACH	.		.	
1200	643.0100 Traffic Control (project) 0001. 1060-44-70	1.000 EACH	.		.	
1210	643.0300 Traffic Control Drums	129,818.000 DAY	.		.	
1220	643.0410 Traffic Control Barricades Type II	4,629.000 DAY	.		.	
1230	643.0705 Traffic Control Warning Lights Type A	9,172.000 DAY	.		.	
1240	643.0715 Traffic Control Warning Lights Type C	35,990.000 DAY	.		.	
1250	643.0800 Traffic Control Arrow Boards	1,020.000 DAY	.		.	
1260	643.0900 Traffic Control Signs	14,798.000 DAY	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1270	643.0910 Traffic Control Covering Signs Type I	2.000 EACH	.		.	
1280	643.0920 Traffic Control Covering Signs Type II	20.000 EACH	.		.	
1290	643.1000 Traffic Control Signs Fixed Message	144.000 SF	.		.	
1300	643.1050 Traffic Control Signs PCMS	1,304.000 DAY	.		.	
1310	643.1055.S Truck or Trailer Mounted Attenuator	272.000 DAY	.		.	
1320	643.3000 Traffic Control Detour Signs	2,881.000 DAY	.		.	
1330	646.0106 Pavement Marking Epoxy 4-Inch	87,542.000 LF	.		.	
1340	646.0600 Removing Pavement Markings	66,759.000 LF	.		.	
1350	646.0841.S Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch	10,021.000 LF	.		.	
1360	646.0843.S Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	10,804.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1430	647.0726 Pavement Marking Diagonal Epoxy 12-Inch	93.000 LF	.		.	
1440	647.0746 Pavement Marking Diagonal Epoxy 24-Inch	676.000 LF	.		.	
1450	647.0955 Removing Pavement Markings Arrows	15.000 EACH	.		.	
1460	647.0965 Removing Pavement Markings Words	12.000 EACH	.		.	
1470	649.0400 Temporary Pavement Marking Removable Tape 4-Inch	172,871.000 LF	.		.	
1480	649.1200 Temporary Pavement Marking Stop Line Removable Tape 18-Inch	150.000 LF	.		.	
1490	649.2100 Temporary Raised Pavement Markers	244.000 EACH	.		.	
1500	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	323.000 LF	.		.	
1510	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	158.000 LF	.		.	
1520	652.0615 Conduit Special 3-Inch	130.000 LF	.		.	
1530	652.0700.S Install Conduit into Existing Item	11.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1540	652.0800 Conduit Loop Detector	112.000 LF	.		.	
1550	653.0135 Pull Boxes Steel 24x36-Inch	2.000 EACH	.		.	
1560	653.0140 Pull Boxes Steel 24x42-Inch	1.000 EACH	.		.	
1570	653.0905 Removing Pull Boxes	3.000 EACH	.		.	
1580	654.0105 Concrete Bases Type 5	15.000 EACH	.		.	
1590	654.0220 Concrete Control Cabinet Bases Type 10	6.000 EACH	.		.	
1600	655.0260 Cable Traffic Signal 12-14 AWG	445.000 LF	.		.	
1610	655.0515 Electrical Wire Traffic Signals 10 AWG	348.000 LF	.		.	
1620	655.0610 Electrical Wire Lighting 12 AWG	1,350.000 LF	.		.	
1630	655.0630 Electrical Wire Lighting 4 AWG	3,921.000 LF	.		.	
1640	655.0700 Loop Detector Lead In Cable	303.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1650	655.0800 Loop Detector Wire	346.000 LF	.		.	
1660	657.0100 Pedestal Bases	6.000 EACH	.		.	
1670	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	14.000 EACH	.		.	
1680	657.0425 Traffic Signal Standards Aluminum 15-FT	6.000 EACH	.		.	
1690	661.0200 Temporary Traffic Signals for Intersections (location) 3001. IH 94 EB Rmps & STH 164/CTH J	LUMP	LUMP		.	
1700	661.0200 Temporary Traffic Signals for Intersections (location) 3002. IH 94 WB Rmps & STH 164/CTH J	LUMP	LUMP		.	
1710	661.0300 Generators	4.000 DAY	.		.	
1720	662.1032.S Ramp Closure Gates Hardwired 32-FT	3.000 EACH	.		.	
1730	662.1037.S Ramp Closure Gates Hardwired 37-FT	2.000 EACH	.		.	
1740	662.1040.S Ramp Closure Gates Hardwired 40-FT	3.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1750	662.2028.S Ramp Closure Gates Solar 28-FT	1.000 EACH	.		.	
1760	662.2030.S Ramp Closure Gates Solar 30-FT	2.000 EACH	.		.	
1770	662.2037.S Ramp Closure Gates Solar 37-FT	1.000 EACH	.		.	
1780	662.2040.S Ramp Closure Gates Solar 40-FT	2.000 EACH	.		.	
1790	662.3028.S Ramp Closure Gate Arms Stockpile 28-FT	1.000 EACH	.		.	
1800	662.3030.S Ramp Closure Gate Arms Stockpile 30-FT	1.000 EACH	.		.	
1810	662.3032.S Ramp Closure Gate Arms Stockpile 32-FT	1.000 EACH	.		.	
1820	662.3037.S Ramp Closure Gate Arms Stockpile 37-FT	1.000 EACH	.		.	
1830	662.3040.S Ramp Closure Gate Arms Stockpile 40-FT	1.000 EACH	.		.	
1840	662.4000.S Ramp Closure Gate Flashers Stockpile	1.000 EACH	.		.	
1850	670.0100 Field System Integrator 3001. FTMS	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1860	670.0200 ITS Documentation 3001. FTMS	LUMP	LUMP			.
1870	675.0400.S Install Ethernet Switch	1.000 EACH	.		.	
1880	678.0006 Install Fiber Optic Cable Outdoor Plant 6-CT	1,148.000 LF	.		.	
1890	678.0400 Fiber Optic Termination	12.000 EACH	.		.	
1900	678.0500 Communication System Testing 3001. FTMS	LUMP	LUMP			.
1910	690.0150 Sawing Asphalt	43,649.000 LF	.		.	
1920	690.0250 Sawing Concrete	1,907.000 LF	.		.	
1930	715.0415 Incentive Strength Concrete Pavement	500.000 DOL	1.00000		500.00	
1940	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,200.000 HRS	5.00000		11000.00	
1950	ASP.1T0G On-the-Job Training Graduate at \$5. 00/HR	3,000.000 HRS	5.00000		15000.00	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1960	SPV.0060 Special 0001. Salvage Terminal High-Tension Cable TL-3, Gibraltar	EACH 4.000	.		.	
1970	SPV.0060 Special 0002. Terminal High-Tension Cable, TL-3, Gibraltar	EACH 4.000	.		.	
1980	SPV.0060 Special 0003. Reinstall Terminal High-Tension Cable TL-3, Gibraltar	EACH 4.000	.		.	
1990	SPV.0060 Special 1000. Lamp Disposal High Intensity Discharge	EACH 2.000	.		.	
2000	SPV.0060 Special 1001. Group Luminaire Maintenance 30-Foot 250W HPS	EACH 2.000	.		.	
2010	SPV.0060 Special 1002. Removing And Reinstalling Lighting Units	EACH 1.000	.		.	
2020	SPV.0060 Special 1300. Ground Rod	EACH 6.000	.		.	
2030	SPV.0060 Special 3001. Install Fiber Optic Media Converter	EACH 1.000	.		.	
2040	SPV.0060 Special 4000. Cleaning and Painting Bearings	EACH 17.000	.		.	
2050	SPV.0060 Special 4001. Clean Deck Inlets	EACH 8.000	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2060	SPV.0060 Special 8000. Cover Plates Temporary Special	1.000 EACH	.		.	
2070	SPV.0090 Special 0001. Salvage High-Tension Cable TL-3, Socketed, Gibraltar	2,685.000 LF	.		.	
2080	SPV.0090 Special 0002. High-Tension Cable TL-3, Socketed, Gibraltar	2,280.000 LF	.		.	
2090	SPV.0090 Special 0003. Reinstall High-Tension Cable TL-3, Socketed, Gibraltar	2,280.000 LF	.		.	
2100	SPV.0105 Special 0001. Survey Project 1060-44-70	LUMP	LUMP		.	
2110	SPV.0105 Special 1000. Maintenance of Lighting Systems	LUMP	LUMP		.	
2120	SPV.0105 Special 3001. Temp EVP System IH 94 EB Ramps & STH 164 / CTH J	LUMP	LUMP		.	
2130	SPV.0105 Special 3002. Temp EVP System IH 94 WB Ramps & STH 164 / CTH J	LUMP	LUMP		.	
2140	SPV.0105 Special 3003. Temp Vehicle Detction System for Intrscntns IH 94 EB Ramps & STH 164/CTH J	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2150	SPV.0105 Special 3004. Temp Vehicle Detection System for Intrscns IH 94 WB Ramps & STH 164/CTH J	LUMP	LUMP			.
2160	SPV.0105 Special 3005. Covering Traffic Signal Heads IH 94 Ramps & STH 164 / CTH J	LUMP	LUMP			.
2170	SPV.0105 Special 3007. Remove Traffic Signals IH 94 & STH 164/CTH J	LUMP	LUMP			.
2180	SPV.0105 Special 3008. Remove Loop Detector Wire & Lead- in Cable IH 94 & STH 164/CTH J	LUMP	LUMP			.
2190	SPV.0105 Special 4000. Vegetation Removal B-67-14	LUMP	LUMP			.
2200	SPV.0105 Special 4001. Vegetation Removal B-67-60	LUMP	LUMP			.
2210	SPV.0105 Special 4002. Vegetation Removal B-67-61	LUMP	LUMP			.
2220	SPV.0105 Special 4003. Vegetation Removal B-67-62	LUMP	LUMP			.
2230	SPV.0105 Special 4004. Vegetation Removal B-67-63	LUMP	LUMP			.
2240	SPV.0105 Special 4005. Vegetation Removal B-67-65	LUMP	LUMP			.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2250	SPV.0105 Special 4006. Vegetation Removal B-67-66	LUMP	LUMP			.
2260	SPV.0105 Special 4007. Vegetation Removal B-67-67	LUMP	LUMP			.
2270	SPV.0105 Special 4008. Vegetation Removal B-67-68	LUMP	LUMP			.
2280	SPV.0105 Special 4009. Vegetation Removal B-67-140	LUMP	LUMP			.
2290	SPV.0105 Special 4010. Vegetation Removal B-67-234	LUMP	LUMP			.
2300	SPV.0105 Special 4011. Vegetation Removal B-67-235	LUMP	LUMP			.
2310	SPV.0105 Special 4020. Fence Removal and Replacement B-67-234	LUMP	LUMP			.
2320	SPV.0105 Special 4021. Fence Removal and Replacement B-67-235	LUMP	LUMP			.
2330	SPV.0165 Special 4000. Removing Loose Concrete	438.000 SF	.			.
2340	SPV.0170 Special 0001. Proof Rolling	192.000 STA	.			.
2350	SPV.0180 Special 0001. Geogrid Reinforcement	865.000 SY	.			.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2360	SPV.0180 Special 4000. Clean Abutment Seats	111.000 SY	.		.	
2370	SPV.0195 Special 0001. Cold Patch	30.000 TON	.		.	
2380	SPV.0035 Special 0001. EBS Excavation	5,184.000 CY	.		.	
2390	SPV.0105 Special 0002. Field Office Fixed	LUMP	LUMP		.	
2400	SPV.0060 Special 0004. Pavement Marking Contrast Grooved Preformed Thermoplastic Arrows Type 1	4.000 EACH	.		.	
2410	SPV.0060 Special 0005. Pavement Marking Contrast Grooved Preformed Thermoplastic Arrows Type 2	14.000 EACH	.		.	
2420	SPV.0060 Special 0006. Pavement Marking Contrast Grooved Preformed Thermoplastic Arrows Type 3	1.000 EACH	.		.	
2430	SPV.0060 Special 0007. Pavement Marking Contrast Grooved Preformed Thermoplastic Arrows Type 5	2.000 EACH	.		.	

Wisconsin Department of Transportation

PAGE: 24

DATE: 08/27/15

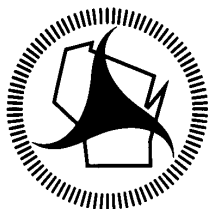
REVISED:

SCHEDULE OF ITEMS

CONTRACT:
20150915002PROJECT(S):
1060-44-70FEDERAL ID(S):
WISC 2015484

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2440	SPV.0060 Special 0008. Pavement Marking Contrast Grooved Preformed Thermoplastic Words	EACH 17.000				
2450	SPV.0090 Special 0004. Pavement Marking Contrast Grooved Preformed Thermoplastic Stop Line 18-In	LF 257.000				
	SECTION 0001 TOTAL					
	TOTAL BID					



Wisconsin Department of Transportation

September 8, 2015

Division of Transportation Systems Development

Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #02: 1060-44-70, WISC 2015 484
East West Freeway
CTH P to CTH F
IH 94
Waukesha County

Letting of September 15, 2015

This is Addendum No. 03, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress

Special Provisions

3. Prosecution and Progress.

Add the following after the **Fish Spawning** section:

Northern Long-Eared Bat

The northern long-eared bat (*Myotis septentrionalis*) is a state threatened species and was listed as federally threatened by the US Fish and Wildlife Service on May 4, 2015. Complete all tree removal as part of Clearing and Grubbing prior to April 1.

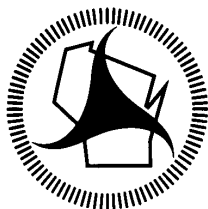
The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

END OF ADDENDUM



Wisconsin Department of Transportation

September 10, 2015

**Division of Transportation Systems
Development**

Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

**Proposal #02: 1060-44-70, WISC 2015 484
East West Freeway
CTH P to CTH F
IH 94
Waukesha County**

Letting of September 15, 2015

This is Addendum No. 04, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 04

1060-44-70

September 10, 2015

Special Provisions

3. Prosecution and Progress.

*Replace Stage 5A and Stage 5B under section titled **Traffic Staging** with the following:*

Stage 5A

CTH J/STH 164

Work in Stage 3A, 3B, 4A, and 4B (CTH J/STH 164) must be completed prior to this work. Paint outside lane girders of B-67-234 and B-67-235. I-94 outside shoulder closures for storing equipment are allowed as approved by the engineer.

CTH F

Work in Stages 4A and 4B (CTH F) must be completed prior to this work. Paint outside lane girders of B-67-014 and B-67-140. I-94 or CTH F outside shoulder closures for storing equipment are allowed as approved by the engineer.

Stage 5B

CTH J/STH 164

Work in Stage 3A, 3B, 4A, and 4B (CTH J/STH 164) must be completed prior to this work. Paint inside lane girders of B-67-234 and B-67-235. I-94 outside shoulder closures for storing equipment are allowed as approved by the engineer.

CTH F

Work in Stage 4A and 4B (CTH F) must be completed prior to this work. Paint inside lane girders of B-67-014 and B-67-140. I-94 or CTH F outside shoulder closures for storing equipment are allowed as approved by the engineer.

END OF ADDENDUM