

HIGHWAY WORK PROPOSAL

Wisconsin Department of Transportation
06/2017 s.66.0901(7) Wis. Stats

Proposal Number: **007**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Walworth	1090-16-70	WISC 2019801	Ih 43 Rock Freeway; Rock County Line To Ush 12	IH 043

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: \$660,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: January 14, 2020 Time (Local Time): 9:00 am	Firm Name, Address, City, State, Zip Code
Contract Completion Time October 30, 2021	SAMPLE NOT FOR BIDDING PURPOSES This contract is exempt from federal oversight.
Assigned Disadvantaged Business Enterprise Goal 10%	

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)

Type of Work:	For Department Use Only
Grading, Base, Milling, Concrete Pavement, Concrete Pavement Repair, Asphalt Pavement, Diamond Grinding, Culvert Pipe, Storm Sewer, Curb and Gutter, Guardrail, Bridge Deck Replacement, Bridge Deck Repair, Bridge Deck Overlays, Bridge Painting, Fence, Pavement Marking, Signs	
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:
<https://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 PM local time on the Thursday before the letting. Check the department's web site after 5:00 PM 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 PM 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:
<https://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, 4th floor, 4822 Madison Yards Way, Madison, WI, during regular business hours.

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

B Submitting Electronic Bids

B.1 On the Internet

- (1) Do the following before submitting the bid:
 1. Have a properly executed annual bid bond on file with the department.

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

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

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

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

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

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

C Waiver of Electronic Submittal

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

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

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

(Signature of Attorney-in-Fact)

NOTARY FOR PRINCIPAL

NOTARY FOR SURETY

(Date)

(Date)

State of Wisconsin)
) ss.
 _____ County)

State of Wisconsin)
) ss.
 _____ County)

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

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

(Signature, Notary Public, State of Wisconsin)

(Signature, Notary Public, State of Wisconsin)

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

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

(Date Commission Expires)

(Date Commission Expires)

Notary Seal

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

DECEMBER 2000

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

Instructions for Certification

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

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

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

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

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

Special Provisions

Table of Contents

Article	Description	Page #
1.	General.....	5
2.	Scope of Work.....	5
3.	Prosecution and Progress.....	5
4.	Traffic.....	11
5.	Lane Rental Fee Assessment.....	13
6.	Traffic Meetings and Traffic Control Scheduling.....	14
7.	Holiday Work Restrictions.....	15
8.	Utilities.....	15
9.	Other Contracts.....	20
10.	Railroad Insurance and Coordination – Wisconsin and Southern Railroad, LLC.....	21
11.	Information to Bidders, WPDES General Construction Storm Water Discharge Permit.....	23
12.	Information to Bidders, U.S. Army Corps of Engineers Section 404 Permit.....	23
13.	Environmental Protection, Aquatic Exotic Species Control.....	24
14.	Erosion Control.....	24
15.	Environmental Protection for Culvert Work.....	25
16.	Notice to Contractor – Airport Operating Restrictions.....	27
17.	Notice to Contractor, Asbestos Containing Materials on Structure.....	27
18.	Notice to Contractor, Notification of Demolition and/or Renovation No Asbestos Found.....	27
19.	Notice to Contractor, Verification of Asbestos Inspection, No Asbestos Found.....	28
20.	Archaeological Site.....	28
21.	Abatement of Asbestos Containing Material B-64-63, Item 203.0210.S.0010; Abatement of Asbestos Containing Material B-64-64, Item 203.0210.S.0020; Abatement of Asbestos Containing Material B-64-105, Item 203.0210.S.0030; Abatement of Asbestos Containing Material B-64-106, Item 203.0210.S.0040; Abatement of Asbestos Containing Material B-64-108, Item 203.0210.S.0050; Abatement of Asbestos Containing Material B-64-109, Item 203.0210.S.0060; Abatement of Asbestos Containing Material B-64-114, Item 203.0210.S.0070; Abatement of Asbestos Containing Material B-64-115, Item 203.0210.S.0080; Abatement of Asbestos Containing Material B-64-116, Item 203.0210.S.0090; Abatement of Asbestos Containing Material B-64-117, Item 203.0210.S.0100; Abatement of Asbestos Containing Material B-64-124, Item 203.0210.S.0110; Abatement of Asbestos Containing Material B-64-126, Item 203.0210.S.0120; Abatement of Asbestos Containing Material B-64-127, Item 203.0210.S.0130; Abatement of Asbestos Containing Material B-64-138, Item 203.0210.S.0140; Abatement of Asbestos Containing Material B-64-128, Item 203.0210.S.0150.....	29
22.	Debris Containment B-64-107, Item 203.0225.S.0010; Debris Containment B-64-108, Item 203.0225.S.0020; Debris Containment B-64-124, Item 203.0225.S.0030; Debris Containment B-64-125, Item 203.0225.S.0040; Debris Containment B-64-127, Item 203.0225.S.0050; Debris Containment B-64-135, Item 203.0225.S.0060; Debris Containment B-64-136, Item 203.0225.S.0070.....	32
23.	Removing Concrete Surface Partial Depth, Item 204.0109.S.....	33
24.	Removing Inlet Covers, Item 204.9060.S.001.....	33
25.	Removing Apron Endwall for Culvert Pipe Steel 12-Inch, Item 204.9060.S.002; Removing Apron Endwall for Culvert Pipe Steel 15-Inch, Item 204.9060.S.003; Removing Apron Endwall for Culvert Pipe Reinforced Concrete 18-Inch, Item 204.9060.S.004; Removing Apron Endwall for	

	Culvert Pipe Reinforced Concrete 24-Inch, Item 204.9060.S.005; Removing Apron Endwall for Culvert Pipe Reinforced Concrete 30-Inch, Item 204.9060.S.006.....	34
26.	Concrete Pavement Partial Depth Repair Joint Repair, Item 416.0750.S; Concrete Pavement Partial Depth Repair Edge Repair, Item 416.0756.S.....	34
27.	QMP HMA Pavement Nuclear Density.....	38
28.	Ice Hot Weather Concreting, Item 501.1000.S.....	41
29.	Expansion Device, B-64-63, Item 502.3101.001; Expansion Device, B-64-64, Item 502.3101.002; Expansion Device, B-64-105, Item 502.3101.003; Expansion Device, B-64-106, Item 502.3101.004; Expansion Device, B-64-109, Item 502.3101.005; Expansion Device, B-64-126, Item 502.3101.006; Expansion Device, B-64-127, Item 502.3101.007; Expansion Device, B-64-116, Item 502.3101.008; Expansion Device, B-64-117, Item 502.3101.009; Expansion Device, B-64-125, Item 502.3101.010.....	42
30.	Removing Bearings B-64-63, Item 506.7050.S.0010; Removing Bearings B-64-64, Item 506.7050.S.0020; Removing Bearings B-64-105, Item 506.7050.S.0030; Removing Bearings B-64-106, Item 506.7050.S.0040; Removing Bearings B-64-109, Item 506.7050.S.0050; Removing Bearings B-64-116, Item 506.7050.S.0060; Removing Bearings B-64-117, Item 506.7050.S.0070; Removing Bearings B-64-126, Item 506.7050.S.0080; Removing Bearings B-64-127, Item 506.7050.S.0090; Removing Bearings B-64-132, Item 506.7050.S.0100; Removing Bearings B-64-133, Item 506.7050.S.0110; Removing Bearings B-64-134, Item 506.7050.S.0120; Removing Bearings B-64-128, Item 506.7050.S.0130.....	43
31.	Sawing Pavement Deck Preparation Areas, Item 509.0310.S.....	44
32.	Cleaning Decks to Reapply Concrete Masonry Overlay, Item 509.0505.S.....	45
33.	Concrete Masonry Deck Repair, Item 509.2100.S.....	45
34.	Polymer Overlay, Item 509.5100.S.....	46
35.	Removing Concrete Masonry Deck Overlay B-64-105, Item 509.9005.S.0010; Removing Concrete Masonry Deck Overlay B-64-106, Item 509.9005.S.0020; Removing Concrete Masonry Deck Overlay B-64-108, Item 509.9005.S.0030; Removing Concrete Masonry Deck Overlay B-64-109, Item 509.9005.S.0040; Removing Concrete Masonry Deck Overlay B-64-127, Item 509.9005.S.0050; Removing Concrete Masonry Deck Overlay B-64-116, Item 509.9005.S.0060; Removing Concrete Masonry Deck Overlay B-64-117, Item 509.9005.S.0070; Removing Concrete Masonry Deck Overlay B-64-125, Item 509.9005.S.0080.....	50
36.	Structure Repainting General.....	51
37.	Preparation and Coating of Top Flanges B-64-63, Item 517.0900.S.0010; Preparation and Coating of Top Flanges B-64-64, Item 517.0900.S.0020; Preparation and Coating of Top Flanges B-64-126, Item 517.0900.S.0030.....	52
38.	Structure Repainting Recycled Abrasive B-64-63, Item 517.1800.S.0010; Structure Repainting Recycled Abrasive B-64-64, Item 517.1800.S.0020; Structure Repainting Recycled Abrasive B-64-105, Item 517.1800.S.0030; Structure Repainting Recycled Abrasive B-64-106, Item 517.1800.S.0040; Structure Repainting Recycled Abrasive B-64-109, Item 517.1800.S.0050; Structure Repainting Recycled Abrasive B-64-120, Item 517.1800.S.0060; Structure Repainting Recycled Abrasive B-64-126, Item 517.1800.S.0070; Structure Repainting Recycled Abrasive B-64-127, Item 517.1800.S.0080; Structure Repainting Recycled Abrasive B-64-128, Item 517.1800.S.0090; Structure Repainting Recycled Abrasive B-64-132, Item 517.1800.S.0100.....	53
39.	Structure Overcoating Cleaning and Priming B-64-116, Item 517.3000.S.0010; Structure Overcoating Cleaning and Priming B-64-117, Item 517.3000.S.0020.....	56
40.	Containment and Collection of Waste Materials B-64-116, Item 517.4000.S.0010; Containment and Collection of Waste Materials B-64-117, Item 517.4000.S.0020.....	57
41.	Labeling and Disposal of Waste Material.....	58
42.	Negative Pressure Containment and Collection of Waste Materials, B-64-63, Item 517.4500.S.0010; Negative Pressure Containment and Collection of Waste Materials, B-64-64, Item 517.4500.S.0020; Negative Pressure Containment and Collection of Waste Materials, B-64-105, Item 517.4500.S.0030; Negative Pressure Containment and Collection of Waste Materials, B-64-106, Item 517.4500.S.0040; Negative Pressure Containment and Collection of	

	Waste Materials, B-64-109, Item 517.4500.S.0050; Negative Pressure Containment and Collection of Waste Materials, B-64-120, Item 517.4500.S.0060; Negative Pressure Containment and Collection of Waste Materials, B-64-126, Item 517.4500.S.0070; Negative Pressure Containment and Collection of Waste Materials, B-64-127, Item 517.4500.S.0080; Negative Pressure Containment and Collection of Waste Materials, B-64-128, Item 517.4500.S.0090; Negative Pressure Containment and Collection of Waste Materials, B-64-132, Item 517.4500.S.0100.	60
43.	Portable Decontamination Facility, Item 517.6001.S.	61
44.	Cleaning Culvert Pipes.....	62
45.	Slope Paving Repair Crushed Aggregate, Item 604.9010.S.	62
46.	Reseal Crushed Aggregate Slope Paving, Item 604.9015.S.....	63
47.	Pipe Grates, Item 611.9800.S.....	63
48.	Guardrail Mow Strips.....	64
49.	Fence Track Clearance, Item 616.0800.S.	64
50.	Sign Supports Concrete Masonry	65
51.	Signs Type I and II.	65
52.	Blue Specific Service Signs.	66
53.	Covering Signs.	66
54.	Nighttime Work Lighting-Stationary.	67
55.	Traffic Control Interim Lane Closure, Item 643.4100.S.	68
56.	General Requirements for Electrical Work.....	68
57.	Electrical Conduit.	69
58.	Install Conduit Into Existing Item, Item 652.0700.S.	69
59.	Loop Detector Wire.....	69
60.	Electrical Wiring	70
61.	Locate and Clean Existing Underdrain Outfalls, Item SPV.0060.005.....	70
62.	Cap Existing Underdrain, Item SPV.0060.006.....	70
63.	Traffic Control Interim Lane Shift, Item SPV.0060.007.....	71
64.	Traffic Control Full Freeway Closure, Item SPV. 0060.008.	71
65.	Traffic Control Close-Open Freeway Service Ramp, Item SPV. 0060.009.	72
66.	Abandon Existing Hold-Down Device, Item SPV.0060.400.....	72
67.	Girder Hold-Down Retrofit, Item SPV.0060.401.	74
68.	Heavy Duty Silt Fence, Item SPV.0090.001.....	75
69.	Double Staked Silt Fence, Item SPV.0090.002.....	77
70.	Temporary Pedestrian and Bicyclist Passageway B-64-105, Item SPV.0105.005; Temporary Pedestrian and Bicyclist Passageway B-64-106, Item SPV.0105.006.....	77
71.	Transport and Install State Furnished Emergency Vehicle Preemption (EVP) Detector Heads and Confirmation Beacons, IH 43 SB Ramps & STH 67, Item SPV.0105.301; Transport and Install State Furnished Emergency Vehicle Preemption (EVP) Detector Heads and Confirmation Beacons, IH 43 NB Ramps & STH 67, Item SPV.0105.302.....	78
72.	Remove Radar Detection System – Partial, IH 43 NB Ramps & STH 67, Item SPV.0105.303; Remove Radar Detection System – Partial, IH 43 SB Ramps & STH 67, Item SPV.0105.304.....	79
73.	Remove Traffic Signals – Partial, IH 43 SB Ramps & STH 67, Item SPV.0105.305; Remove Traffic Signals – Partial, IH 43 NB Ramps & STH 67 Item SPV.0105.306.....	79
74.	Removing Lower Lateral Bracing B-64-126, Item SPV.0105.400.	80

75.	Removing Abandoned Deicing System B-64-127, Item SPV.0105.401.....	81
76.	Field Office Special, Item SPV.0135.001.....	82
77.	Resin Binder High Friction Surface Treatment, Item SPV.0180.001.....	84

STSP'S Revised June 18, 2019

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 1090-16-70, IH 43 Rock Freeway, Rock County Line to USH 12, IH 43, Walworth 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, 2020 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 (20190618)

2. Scope of Work.

The work under this contract shall consist of excavation, breaker run, base aggregate, HMA pavement, diamond grinding, bridge rehabilitation, bridge painting, thin polymer overlays, high friction surface treatment, signing, pavement marking, beam guard, drainage structures, erosion control, restoration and traffic control and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

3. Prosecution and Progress.

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

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

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

Be advised that there will be multiple mobilizations and/or remobilizations to complete construction operations, for example, such items as: traffic control, excavation, base aggregate, asphalt pavement, concrete work, milling and resurfacing, signing, pavement marking, and other incidental items related to staging. No additional payment will be made, by the department, for additional mobilizations.

When, in the fall of 2020, after completion of Stage 3B South and Stage 2B North, and weather conditions or seasonal restrictions preclude the satisfactory performance of further work under this contract, the engineer will, in writing, suspend operations until the spring of 2021. Construction operations shall be resumed in the spring of 2021 within ten days after the date on which a written order to do so has been issued by the engineer.

The contract time for completion is based on an expedited work schedule and may require extraordinary forces and equipment.

Stage 1 Shoulder Reconstruction

All shoulder reconstruction areas in stage 1A (south), stage 1B (south), and stage 1 (north) are shown in the Traffic Control/Construction Staging plans as being completed without the use of concrete barrier temporary precast (CBTP) wall. To allow the shoulder reconstruction areas to be completed without using CBTP wall, the contractor is required to protect traffic on IH 43 from the pavement drop-off associated with reconstructing the shoulder. The contractor will be required to either: 1) only reconstruct a length of shoulder that can be fully removed and replaced to finished grade in a single day, or 2) use existing excavated shoulder material to provide a 3:1 or flatter slope adjacent to the pavement in areas where the shoulder has not been fully reconstructed by the end of a work day. All items of work required to meet this requirement are incidental to other items in the contract and not paid for separately. This would include

any grading work associated with placing and removing material to provide a 3:1 or flatter slope adjacent to the pavement on a daily basis.

Schedule of Operations

The schedule of operations shall conform to the requirements described below, unless modifications are approved in writing by the engineer. The schedule describes the major work areas and is not a complete list of activities that would occur during each stage of work, particularly on the side streets. Refer to the plans for additional details.

Calendar Year 2020 (South)

- Stage 1A
- Reconstruct the SB outside shoulder by CTH X interchange.
- Stage 1B
- Construct crossovers north and south of the CTH X interchange.
- Install temporary MGS guardrail along the inside of the SB lanes.
- Stage 2
- Remove and replace the NB bridge deck over CTH X (B-64-126). The polymer overlays will be completed as part of a later stage.
- Complete all work on the NB bridges over Elm Ridge Road (B-64-122) and WSOR (B-64-124), except for polymer overlays, which will be completed as part of a later stage.
- Paint the south span of the Lawson School Road bridge (B-64-128).
- Stage 3A
- Complete the deck overlays on the SB inner portions of the WSOR (B-64-125) and CTH X (B-64-127) bridges. The polymer overlay on these portions of the bridges will be completed as part of a later stage.
- Complete all work on the inner portion of SB bridge over Elm Ridge Road (B-64-123), except for the polymer overlay, which will be completed as part of a later stage.
- Paint the southern portion of the northern span of the Lawson School Road bridge (B-64-128).
- Reconstruct the SB inside shoulder by the CTH X interchange.
- Remove the crossovers north and south of CTH X interchange constructed in stage 1B.
- Stage 3B
- Complete the deck overlays on the SB outer portions of the WSOR (B-64-125) and CTH X (B-64-127) bridges. The polymer overlay on these portions of the bridges will be completed as part of a later stage.
- Complete all work on the outer portion of SB bridge over Elm Ridge Road (B-64-123), except for the polymer overlay, which will be completed as part of a later stage.
- Paint the northern portion of the northern span of the Lawson School Road bridge (B-64-128).

Calendar Year 2020 (North)

- Stage 1
- Place/replace culverts within the STH 67 interchange ramps.
- Complete grading/drainage improvements in the median at the STH 67 interchange.
- Reconstruct the SB and NB inside shoulders from STH 67 to USH 12.
- Stage 2A

- Remove and replace the outer portions of the USH 12 SB (B-64-63), USH 12 NB (B-64-64) and Centralia Street SB (B-64-107) bridge decks.
- Complete deck overlays and other work on the outer portions of Centralia Street NB (B-64-108), CTH H SB (B-64-105) and CTH H NB (B-64-106) bridges.
- Complete grading/drainage improvements in the outer portions of the STH 67 interchange.
- Reconstruct the SB and NB outside shoulders from STH 67 to USH 12
- Base patch the outside driving lanes from STH 67 to USH 12.
- Stage 2B
- Remove and replace the inner portions of the USH 12 SB (B-64-63), USH 12 NB (B-64-64) and Centralia Street SB (B-64-107) bridge decks.
- Complete deck overlays and other work on the inner portions of Centralia Street NB (B-64-108), CTH H SB (B-64-105) and CTH H NB (B-64-106) bridges.
- Base patch the inside driving lanes from STH 67 to USH 12.

Rumble strips removed during year 1 work may be replaced along the outside shoulders after Stage 3B (south) and Stage 2B (north) if sufficient time remains in the construction season. Inside shoulder rumble strips disturbed during year 1 work should not be replaced until after the diamond grinding operation.

Calendar Year 2021

- Stage 4A
- Reconstruct the SB and NB inside shoulders at Old 89/Wisconsin Street (B-64-132), Borg Road (B-64-120) and Mound Road (B-64-116 and 117).
- Complete grading for median guardrail improvements.
- Complete shoulder milling and paving at median guardrail improvements and install guardrail.
- Complete milling and paving of inside lane asphalt approaches not completed in year 1.
- Complete STH 67 roadway and bridge deck improvements.
- Complete installation of loop detectors on STH 67 off ramps.
- Complete milling, base patching and paving of STH 67 ramps with overnight closures.
- Begin miscellaneous repairs at remaining bridges within project limits.
- Stage 4B
- Reconstruct the SB and NB outside shoulders at Old 89/Wisconsin Street (B-64-132), Borg Road (B-64-120) and Mound Road (B-64-116 and 117).
- Complete grading for outside lane guardrail improvements.
- Complete shoulder milling and paving at outside lane guardrail improvements and install guardrail.
- Complete milling and paving of outside lane asphalt approaches not completed in year 1.
- Complete milling, base patching and paving of STH 67 ramps with overnight closures.
- Complete deck overlays and other work on the outer portions of Mound Road (B-64-116 and 117) bridges.
- Paint the outer portions of the Old 89/Wisconsin Street (B-64-132) and Borg Road (B-64-120) bridges.
- Begin painting the USH 12 bridges, B-64-63 and B-64-64.
- Continue miscellaneous repairs at remaining bridges within project limits.
- Stage 4C

- Complete deck overlays and other work on the inner portions of Mound Road (B-64-116 and 117) bridges.
- Paint the inner portions of the Old 89/Wisconsin Street (B-64-132) and Borg Road (B-64-120) bridges.
- Continue painting the USH 12 bridges, B-64-63 and B-64-64.
- Complete miscellaneous repairs at remaining bridges within project limits.
- Begin polymer overlays.
- Stage 5
- Base patch all lanes and remaining ramps from Rock County line to STH 67.
- Complete diamond grinding, shoulder rumble strip milling and permanent pavement markings of all lanes from Rock County line to USH 12. The section from STH 67 to USH 12 can overlap with stages 4B and 4C.
- Complete polymer overlays and place high friction surface treatment.
- Complete painting the USH 12 bridges, B-64-63 and B-64-64.

Contractor Coordination

Hold weekly scheduling meetings to discuss the near-term schedule activities, address any long-term scheduling issues, and discuss any relevant technical issues. Develop a rolling three week schedule identifying the previous week worked and a two week look ahead. Provide sufficient detail to include actual and planned activities and all the subcontractors for offsite and construction activities, addressing all activities including ramp and lane closure schedules to be performed and identifying issues requiring engineering action or input.

Interim and Final Completion of Work

Supplement standard spec 108.10 with the following:

The department will not grant time extensions for the following:

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

sef-108-015 (20171004)

STH 67/S. Lincoln Street

STH 67/S. Lincoln Street, from ramp terminal to ramp terminal, may be closed as shown in the plans for a onetime period not to exceed 60 consecutive calendar days to facilitate construction on the bridge deck and approaches. This closure will not be allowed until year two of construction, during stage 4A. No other closures that use the STH 67 overpass as part of any detour route may be implemented at the same time.

STH 67 Interchange Service Ramps

Except for overnight closures required for ramp work in year two of construction, closure of the STH 67 interchange services ramps is limited to operations to complete the culvert work, grading, and pavement rehabilitation within the interchange during stage 1 (north) work. The ramps shall remain open except when necessary to complete this work and no ramp can be closed for more than three consecutive calendar days.

Centralia Street

Centralia Street may be closed as shown in the plans for one week time periods during stage 2A (north) and stage 2B (north), when the southbound bridge deck (B-64-107) is being replaced. The one week

closures will be allowed during the deck removal, deck forming and deck pouring operations during each of the two stages. At all other times Centralia Street must remain open to traffic.

CTH H/CTH NN/East Geneva Street Multi-Use Trail

During all stages of work the multi-use trail along the north side of CTH H/CTH N/East Geneva Street must remain open and accessible to pedestrian and bicycle traffic.

General

To prevent them from becoming displaced during the project, the contractor is responsible for securing any inlet grates that will be subject to traffic during construction operations. The method of securing the inlet grates can be by means of tack welding, mastic or other means acceptable to the engineer. The contractor is also responsible for unsecuring all inlet grates prior to final completion of the project. Any costs associated with securing and unsecuring the grates is incidental to other items in the contract.

When engaged in roadway cleaning operation, 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 suitable self-contained particulate collectors to prevent discharge from the collection bin into the atmosphere.

Comply with all local ordinances that apply to local street work operations, including those pertaining to working during night time hours. Furnish any ordinance variance issued by the municipality or required permits to the engineer in writing three business days prior to performing such work.

Excavation material, if stockpiled, shall be done so on upland areas an adequate distance away from wetlands, floodplains, waterways, storm sewer inlets and culvert pipes, as determined by the engineer.

Work Restrictions

No work may be performed, and no equipment or material may be stored beyond the slope intercept along the northbound on ramp at the STH 67 interchange, which is an environmentally sensitive area. Install erosion control devices as shown in the plan to prevent any inadvertent disturbance to the area.

Work zones can be no more than 4 miles in length and there must be a minimum of 2 miles between work zones.

Consecutive entrance ramps and consecutive exit ramps may not be closed. Do not close any ramps that are being used for an active detour route.

Work impacting STH 67 and the STH 67 ramps may not occur during system ramp closures within the IH 43 and USH 12 interchange.

No work is allowed on CTH H/NN/East Geneva Street, Centralia Street, and USH 12 during the full closure of STH 67.

Lawson School Road and STH 67 bridge painting shall be completed as part of staged construction being undertaken for other bridges and sections of roadway.

All reconstructed shoulders should match the existing top of concrete driving lanes and no lip should be constructed to try and anticipate how much diamond grinding will be needed. The traffic control/staging plans assume all diamond grinding operations occur after shoulder reconstruction, resulting in feathering into the reconstructed shoulders. The feathering will also be required at areas where shoulders are not being reconstructed.

Concrete base patching, concrete pavement repair, concrete joint repair and concrete edge repair must be completed prior to the diamond grinding operation.

During the Walworth County Fair (late August/early September 2020 and late August/early September 2021), no ramp closures at STH 67 are allowed, no full freeway closures will be allowed, and project impacts will be communicated to the fair officials.

Long term ramp closures shown in the plans shall be posted seven calendar days in advance of their closure with dates and times of closure.

Follow plan details for closures. Restrictions and/or closures beyond that shown in the traffic control plans are subject to lane rental fee assessments and must be approved by the engineer. If plan details are not provided in the traffic control plans, furnish plans for review by the engineer.

Interim Completion of Work –Polymer Overlays and Resin Binder High Friction Surface Treatment

Complete all work as shown in the plans for polymer overlays and resin binder high friction surface treatment by August 31, 2021.

If the contractor does not complete all work associated with the polymer overlay and resin binder high friction surface treatment by August 31, 2021, the Department will assess the contractor \$1,000 in interim liquidated damages for each calendar day that the work remains incomplete after 12:01 AM on September 1, 2021. An entire calendar day will be charged for any period of time within a calendar day that the polymer overlays and resin binder high friction surface treatment remain incomplete as of 12:01 AM on September 1, 2021.

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.

Interim Completion of Work – STH 67/S. Lincoln Street

Complete all work as shown in the plans on the STH 67 bridge deck and approaches to restore traffic on STH 67 within 60 calendar days of the closure date.

If the contractor does not complete all of the work to restore traffic on STH 67 within 60 calendar days of the closure date, the department will assess the contractor \$6,500 in interim liquidated damages for each calendar day that the roadway remains closed after 12:01 AM on the 61st calendar after the closure begins. An entire calendar day will be charged for any period of time within a calendar day that the roadway remains closed 12:01 AM on the 61st day the roadway is not open.

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.

Debris and Vegetation Removal

The contractor shall remove debris deposits and trim vegetation at the following locations:

- Both ends of the IH 43 over Swan Creek box culvert, Structure B-64-139.
- Both ends of the IH 43 over a Branch of Jackson Creek box culvert, Structure B-64-141.
- Both ends of the IH 43 over a Branch of Little Turtle Creek box culvert, Structure B-64-142.

Removal of debris deposits and trimming of vegetation is incidental to other items of work in the contract.

Migratory Birds

Swallow and other migratory birds' nests have been observed on or under 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 removing the existing bridge structure prior to nest occupation by birds or clearing nests from all structures before the nests become active in early spring. As a last resort, prevent birds from nesting by installing a suitable netting device on the remaining structure prior to nesting activity. Include the cost for preventing nesting in the cost of Removing Old Structure for bridges B-64-63, 64, 107, 109, and 126; and in the cost of Structure Repainting Recycled Abrasive for bridges B-64-105, 106, 120, 127, 128 and 132.

Northern Long-eared Bat (*Myotis septentrionalis*)

Northern Long-eared Bats (NLEB) have the potential to inhabit the project limits because they roost in trees. Roosts may not have been observed on this project, but conditions to support the species exist. The species and all active roosts are protected by the Federal Endangered Species Act. If an individual bat or active roost is encountered during construction operations, stop work and notify the engineer and the WisDOT Regional Environmental Coordinator (REC).

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

4. Traffic.

Coordinate traffic requirements under this contract with other ongoing department and local community construction projects. Refer to the 'Other Contracts' article in these special provisions for a list of known projects. The contractor for this project is responsible for coordinating with other contractors for traffic control implementation.

Provide the Walworth County Sheriff's Department, the Rock County Sheriff's Department, the Wisconsin State Patrol, the Village of Darien Police Department, the City of Delavan Police Department, the City of Elkhorn Police Department and the project 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.

Where lane closures have been permitted by the engineer in conjunction with the contractor's work schedule, make a continuous effort to complete the work with said lane closures in a timely manner.

Follow plan details for closures. If plan details are not provided in the traffic control plan, or for any traffic control change requests, furnish plans for review by the engineer a minimum of two weeks prior to the implementation so that approval, or disapproval, is obtained at least three days prior to roadway, lane or ramp closures.

Do not, at any time, conduct construction operations in the median area and adjacent outside shoulder area of the freeway at the same time without permission of the engineer.

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

Do not permit construction or personnel equipment or vehicles to directly cross the live traffic lanes of IH 43 and USH 12. Yield to all through traffic at all locations. Equip all vehicles or equipment operating in the live traffic lanes with a hazard identification beam (flashing yellow signal light) that is visible from 360 degrees. Operate the flashing yellow beam only when merging or exiting live traffic lanes or when parked or operating on shoulders, except when parked behind barrier wall. Do not park personal vehicles within the access control limits of the freeway. Do not cross live traffic lanes of IH 43 or USH 12 with equipment or vehicles.

Obtain acceptance from the engineer regarding the wording of all messages on portable changeable message signs prior to placing the message.

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, sand barrel array, shoulder delineators or beam guard in place along the traveled roadways without the approval of the engineer.

Ensure that Flagging operations conform to standard spec 104.6.1(4) and chapter 6E of the WMUTCD.

Full IH 43 Freeway Closure Hours

- 9:00 PM to 5:00 AM (Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
- 10:00 PM to 7:00 AM (Friday PM to Saturday AM, Saturday PM to Sunday AM)
- 10:00 PM - 5:00 AM (Sunday PM to Monday AM)

Full closure and detouring of freeway roads will be restricted to Full Freeway Closure Hours. The full freeway closures are intended for use during base patching of the outside lanes of travel in each direction of travel on IH 43 from the south project limit to the STH 67 interchange, to allow for storm sewer/culvert pipe installation across the IH 43 travel lanes at the STH 67 interchange, and to perform work related to major traffic shifts. Full freeway closures will only be allowed in one direction at a time. Provide signed detour routes, as the plans show, which are fully open and free of construction during all full freeway closures. Place portable changeable message at least 3 business days prior to the closures occurring.

Non-Freeway Full Closures Hours

- 7:00 PM - 6:00 AM (Sunday through Saturday)

Full closure of non-freeway roads will be restricted to Non-Freeway Full Closure Hours. The full non-freeway closures are restricted to USH 12 and CTH X to facilitate bridge demolition, bridge deck forming and bridge pouring. Signed detours do not need to be provided for these closures, but portable changeable message signs must be placed at least 3 business days prior to the closures occurring.

Service Ramp Closure Hours

- 7:00 PM - 6:00 AM (Sunday through Saturday)

Full closure of service ramps will be restricted to the Service Ramp Closure Hours. The service ramps may be closed to facilitate the base patching, milling, paving and diamond grinding operations to be performed on the service ramps as noted in the plans. Signed detour routes do not need to be provided for overnight service ramp closures. Closures shall be posted three business days in advance of their closure with dates and times of closure. Place a portable changeable message sign before the previous open exit ramp to advise traffic about the closure of the specific ramp. Alternate service ramp closures so that no two consecutive entrance or exit ramps are closed at the same time and that ramps are open in the opposite direction at the same interchange (i.e., do not close the northbound entrance/exit ramps and the southbound entrance/exit ramps at the same interchange on the same night). Close leading lanes and dedicated turning lanes to freeway entrance ramps on side streets during the closure of freeway entrance ramps.

Stage 5 Traffic Shifts onto IH 43 Outside Shoulder Closure Hours

- 7:00 PM - 6:00 AM (Sunday through Saturday)

Shifting of traffic onto the outside shoulders will be restricted to the Stage 5 Traffic Shift Closure Hours. The stage 5 traffic shift onto the outside shoulders will be done to facilitate diamond grinding of the middle 8 feet of the 24 feet of concrete pavement in each direction of travel.

Rolling Closure

Short term freeway mainline rolling closures may be allowed for a maximum of 15 minutes for the removal and erection of sign structures, equipment moves across the road, or other required work as determined by the engineer. The department will allow short term rolling closures only between 2 AM and 4 AM, and they may only be performed by freeway law enforcement.

Obtain approval from the engineer before coordinating these closures with freeway law enforcement. Coordinate 14 calendar days before closure. Present the scheduled time for the short term rolling closure at the weekly traffic meeting a minimum of one week before the closure.

Wisconsin Lane Closure System Advance Notification

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

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

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

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

Temporary Regulatory Speed Limit Reduction

During engineer-approved regulatory speed limit reductions, install temporary speed limit signs on the inside and outside shoulders of divided roadways to enhance visibility. On two lane two way roadways, install temporary speed limit signs on shoulders. When construction activities impede the location of a post-mounted regulatory speed limit sign, relocate the sign for maximum visibility to motorists. If work last less than 7 days, mount the regulatory speed limit sign on a portable sign support.

Post temporary regulatory speed limit signs in work zone only during continuous worker activity. During periods of no work activity or when the traffic controls are removed from the roadway, cover or remove the temporary speed limit signs.

Coordinate with Regional Traffic Section to identify the construction stages that have approved temporary regulatory speed zones documented in a Temporary Speed Zone Declaration. Primary contact phone number: (262) 822-5947, secondary contact number: (262) 548-8728.

Contact the Region Traffic Section at least 14-calendar days before installing the temporary speed zone. After installation of the temporary speed zone is complete, notify the Regional Traffic Section with field locations of temporary speed zones.

5. Lane Rental Fee Assessment.

A General

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

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

Submit the dates of the proposed lane, ramp, and roadway restrictions to the engineer as part of the progress schedule.

Coordinate lane, ramp, and roadway closures with any concurrent operations on adjacent roadways within 3 miles of the project. If other projects are in the vicinity of this project, coordinate lane closures to run concurrent with lane closures on adjacent projects when possible. When lane closures on adjacent projects extend into the limits of this project, Lane Rental Fee Assessments will only occur if the closure facilitates work under this contract.

B 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:

- Night time IH 43 Full Closure – \$1,500 per closure, per direction of travel, per hour broken into 15 minute increments
- Night time non-freeway Full Closure – \$1,000 per closure, per direction of travel, per hour broken into 15 minute increments
- Night time Service Ramp Closures – \$1,000 per individual ramp closure, per hour broken into 15 minute increments
- Night time IH 43 Lane Shifts onto Outside Shoulders – \$1,000 per closure/shift, per direction of travel, per hour broken into 15 minute increments

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

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.

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. If interim completion time or contract time expires before the completion of specified work in the contract, additional liquidated damages will be assessed as specified in standard spec 108.11 or as specified within this contract.

stp-108-070 (20161130)

6. Traffic Meetings and Traffic Control Scheduling.

Every Wednesday by 9:00 AM, submit a detailed proposed 2-week look-ahead traffic closure schedule to the engineer. Type the detailed proposed 2-week look-ahead closure schedule into an excel spreadsheet provided by the engineer. Enter information such as closure dates, duration, work causing the closure and detours to be used. Also enter information such as ongoing long-term closures, emergency contacts and general 2-month look-ahead closure information into the excel spreadsheet.

Meet with the engineer at 10:00 AM, or as directed by the engineer, every Wednesday at the field office to discuss and answer questions on the proposed schedule. Edit, delete and add closures to the detailed proposed 2-week look-ahead schedule, as directed by the engineer, so that proposed closures meet specification requirements. Other edits, deletions or additions unrelated to meeting specification requirements may also be agreed upon between the contractor and engineer during the meeting.

Every Wednesday at 2:00 PM, or as scheduled by the engineer, attend a weekly traffic meeting. The meeting will bring local agencies, project stakeholders, owner managers, owner engineers, contractors, document control and construction engineering personnel together to discuss traffic staging, closures and general impacts. Upon obtaining feedback from the meeting attendees, edit, delete and add information to the detailed 2-week look-ahead closure schedule, as needed. Submit the revised 2-week look-ahead to the engineer.

Obtain approval from the engineer for any mid-week changes to the closure schedule. Revise the 2-week look-ahead as required and obtain engineer approval.

The contractor's weekly schedule of operations for all actual and anticipated work shall include roadway, lane and ramp closures for the upcoming week beginning on Sunday at 12:01 AM and ending on the following Saturday at 11:59 PM. This information will be reviewed by the department. Modifications to this schedule will be accepted until no later than noon on Thursdays.

7. Holiday Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying IH 43 or USH 12 traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday periods:

- From noon Friday, May 22, 2020 to 6:00 AM Tuesday, May 26, 2020 for Memorial Day;
- From noon Thursday, July 2, 2020 to 6:00 AM Monday, July 6, 2020 for Independence Day;
- From noon Friday, September 4, 2020 to 6:00 AM Tuesday, September 8, 2020 for Labor Day.
- From noon Wednesday, November 25, 2020 to 6:00 AM Monday, November 30, 2020 for Thanksgiving;
- From noon Friday, May 28, 2021 to 6:00 AM Tuesday, June 1, 2021 for Memorial Day;
- From noon Friday, July 2, 2021 to 6:00 AM Tuesday, July 6, 2021 for Independence Day;
- From noon Friday, September 3, 2021 to 6:00 AM Tuesday, September 7, 2021 for Labor Day;
- From noon Wednesday, November 24, 2021 to 6:00 AM Monday, November 29, 2021 for Thanksgiving.

stp-107-005 (20181119)

8. Utilities.

This project comes under the provisions of Administrative Rule Trans 220.

stp-107-065 (20080501)

There are underground and overhead utility facilities located within the project limits. Utility adjustments may be required for this construction project. Coordinate construction activities with a call to Digger's 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 and overhead facilities.

Bidders are advised to contact each utility company listed in the plans prior to preparing their bids, to obtain current information on the status of any utility within the project work limits.

Known utilities on the project are as follows:

Alliant Energy has overhead and underground facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 along the south side of Westbound lane, at approximately Station 231+00.
- Underground crossing of IH 43 west of USH 14, at approximately Station 257+10.
- Overhead crossing of IH 43 east of Lawson School Road, at approximately Station 399+90.
- Underground crossing of IH 43 east of CTH X, at approximately Station 425+00.
- Overhead crossing of IH 43 west of CTH O, at approximately Station 485+00.
- Overhead crossing of IH 43 east of Borg Road, at approximately Station 566+50.
- Overhead crossing of IH 43 south of STH 50, at approximately Station 588+70.
- Underground crossing of IH 43 south of Mound Road, at approximately Station 647+60.

No conflicts are anticipated.

Alliant Energy contact is Michael Brolin at (608) 458-4871 or MichaelBrolin@alliantenergy.com.

ANR Pipeline Co. has underground facilities within the construction limits. The existing facilities are located as follows:

- Three high pressure underground natural gas pipeline crossings of IH 43 east of North Road, at approximately Stations 136+85, 137+00 and 137+15.

No conflicts are anticipated.

ANR Pipeline Co. contact is Todd Brister at (920) 477-2235 or todd_brister@transcanada.com.

AT&T Wisconsin has overhead and underground facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 along the east/south side of CTH X, at approximately Station 424+50.
- Underground crossing of IH 43 along the east side of Elm Ridge Road, at approximately Station 440+65.
- Overhead crossing of IH 43 along the west side of CTH O, at approximately Station 487+70.
- Overhead crossing of IH 43 along the south side of STH 50, at approximately Station 588+85.
- Underground crossing of IH 43 along the north side of STH 50, at approximately Station 590+60.
- Underground crossing of IH 43 along the south side of Mound Road, at approximately Station 647+95.
- Underground crossing of IH 43 along the east side of CTH F, at approximately Station 692+60.

No conflicts are anticipated.

AT&T Wisconsin's contacts are Carol Anason at (608) 888-5557 or ca2624@att.com; or Bill Cesar at (608) 252-2385 or wc2756@att.com.

ATC Management, Inc. has overhead and underground facilities within the construction limits. The existing facilities are located as follows:

- Overhead crossing of IH 43 west of US 14, at approximately Station 257+50.
- Along the south side of IH 43 from west of US 14 at approximately Station 255+75 RT, to west of Old 89 Road, at approximately Station 307+00 RT.
- Overhead crossing of IH 43 west of Old 89 Road, at approximately Station 308+00.
- Along the north side of IH 43 from west of Old 89 Road at approximately Station 309+00 LT, to approximately Station 344+00 LT.
- Overhead crossing of IH 43 at approximately Station 343+40.
- Along the south side of IH 43 from approximately Station 343+00 RT, to west of Lawson School Road at approximately Station 397+00 RT.
- Along the south side of IH 43 from east of the Wisconsin and Southern Railroad at approximately Station 435+25 RT, to east of Borg Road at approximately Station 565+00 RT.
- Overhead crossing of IH 43 east of Borg Road, at approximately Station 566+50.
- Along the north side of IH 43 from east of Borg Road at approximately Station 568+00 LT, to the south side of Mound Road at approximately Station 545+75 LT.
- Overhead crossing of IH 43 west of STH 67, at approximately Station 835+25.

No conflicts are anticipated.

ATC Management Inc. contact is Anthony Marciniak at (262) 506-6814 or amarciniak@atellc.com.

Charter Communications has underground and overhead facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 along the west side of Old 89 Road, at approximately Station 315+50.
- Overhead crossing of IH 43 along the south side of STH 50, at approximately Station 588+75.
- Overhead crossing of IH 43 along the west side of STH 67, at approximately Station 835+25.
- Underground crossing of IH 43 along the south side of the Geneva Street/CTH H/CTH NN, at approximately Station 901+50.

No conflicts are anticipated.

Charter Communications contact is Brandon Storm at (608) 274-3822 or brandon.storm@charter.com.

City of Elkhorn – Electric has overhead facilities within the construction limits. The existing facilities are located as follows:

- Overhead crossing of IH 43 along the west side of STH 67, at approximately Station 835+25.
- Overhead crossing of IH 43 along the north side of Centralia Street, at approximately Station 873+50.
- Overhead crossing of IH 43 north of Centralia Street, at approximately Station 879+00.
- Overhead crossing of IH 43 along the south side of Geneva Street/CTH H/CTH NN at approximately Station 901+30.

No conflicts are anticipated.

City of Elkhorn contact is John Murphy at (262) 741-5129 or jmurphy@cityofelkhorn.org.

City of Elkhorn Sanitary Sewer has underground facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 north of STH 67 at approximately Station 850+85.

No conflicts are anticipated.

City of Elkhorn contact is Matt Lindstrom at (262) 723-2223 or mlindstom@cityofelkhorn.org.

City of Elkhorn - Water has underground facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 north of STH 67 at approximately Station 850+70.
- Underground crossing of IH 43 north of Centralia Street, at approximately Station 879+50.
- Underground crossing of IH 43 along the north side of Geneva Street/CTH H/CTH NN, at approximately Station 903+75.

No conflicts are anticipated.

City of Elkhorn contact is John Murphy at (262) 741-5129 or jmurphy@cityofelkhorn.org.

Enbridge Energy has underground facilities within the construction limits. The existing facilities are located as follows:

- Two underground pipeline crossings of IH 43 west of Lawson School Road, at approximately Stations 381+05 and 381+25.

No conflicts are anticipated. Enbridge Energy's Crossing Coordinator (Steve Spata, (920) 728-0199 or other representative) must be contacted at least 48 hours prior to any activities near, over or close to any pipeline right-of-way.

Enbridge Energy contact is David Schultz at (608) 756-0071 or David.Schultz@enbridge.com.

Frontier Communications of WI LLC has overhead and underground facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 along Westbound Lane, at approximately Station 231+40.
- Underground crossing of IH 43 along the south/west side of USH 14, at approximately Station 267+50.
- Underground crossing of IH 43 along the west side of Old 89 Road, at approximately Station 915+00.

No conflicts are anticipated.

Frontier Communications of WI LLC contact is Russ Ryan at (920) 583-3275 or Russell.w.ryan@ftr.com.

Guardian Pipeline has underground facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 west of Lawson School Road, at approximately Station 380+40.

No conflicts are anticipated.

Guardian Pipeline contact is Adam Theis, (920) 464-1200 or Adam.Theis@oneok.com.

Midwest Fiber Networks LLC has underground facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 along the south side of Geneva Street/CTH H/CTH NN, at approximately Station 901+50

No conflicts are anticipated.

Midwest Fiber Networks contact is Richard Trgovec, (414) 459-3554 or rtrgovec@midwestfibernetworks.com.

State Long Distance Telephone Co. has underground facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 north of STH 67, at approximately Station 851+30.
- Underground crossing of IH 43 north of Centralia Street, at approximately Station 879+50.
- Underground crossing of IH 43 along the south side of Geneva Street/CTH H/CTH NN, at approximately Station 901+50.

No conflicts are anticipated.

State Long Distance Telephone Co. contact is Matt Schulte at (262) 754-3063 or matt.schulte@tdstelecom.com

Walworth County Metro Sewage District has facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 east of Old 89 Road, at approximately Station 316+50.
- Underground along the north side of IH 43, from the east side of Elm Ridge Road to approximately Station 445+50.
- Underground crossing of IH 43 east of CTH O, at approximately Station 511+25.
- Underground along the south side of IH 43, from approximately Station 511+25 to Station 521+00.
- Underground crossing of IH 43 along the north side of Mound Road, at approximately Station 648+50.
- Underground crossing of IH 43 west of STH 67, at approximately Station 808+10.
- Underground along the north side of IH 43, from approximately Station 808+10 to Station 851+00.
- Underground crossing of IH 43 north of STH 67, at approximately Station 850+90.
- Underground along the south side of IH 43, from approximately Station 850+90 to Station 862+00.

No conflicts are anticipated.

Walworth County Metro Sewage District contact is Neal Kolb at (262) 728-4140 or nkolb@walcomet.com.

WE Energies (Electric) has overhead and underground facilities within the construction limits. The existing facilities are located as follows:

- Overhead crossing of IH 43 at approximately Station 745+60.

No conflicts are anticipated.

The WE Energies (Electric) contact is Nicole Smullen at (414) 221-5617 or Nicole.Smullen@wecenergygroup.com

WE Energies (Gas) has underground facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 along the west side of USH 14, at approximately Station 267+25.
- Underground crossing of IH 4 along the south/east side of CTH X, at approximately Station 424+90.
- Underground crossing of IH 43 west of CTH O, at approximately Station 485+00.
- Underground along the south/east side of IH 43, from the east side of Borg Road to approximately Station 568+00.
- Underground crossing of IH 43 east of Borg Road, at approximately Station 568+00.
- Underground along the north/west side of IH 43 from the east side of Borg Road to the south side of STH 50.
- Underground crossing of IH 43 along the south side of STH 50, at approximately Station 589+00.
- Underground crossing of IH 43 along the east side of CTH F, at approximately Station 693+40.
- Underground crossing of IH 43 along the east side of STH 67, at approximately Station 836+50.
- Underground along south/east side of IH 43, from approximately Station 848+50 to the south side of Centralia Street.
- Underground crossing of IH 43 along the south side of Centralia Street, at approximately Station 872+80.
- Underground crossing of IH 43 along the north side of Centralia Street, at approximately Station 873+30.
- Underground crossing of IH 43 along the south side Geneva Street/CTH H/CTH NN, at approximately Station 901+75.

No conflicts are anticipated.

The WE Energies (Gas) contact is Nicole Smullen at (414) 221-5617 or Nicole.Smullen@wecenergygroup.com.

Windstream KDL, LLC has underground facilities within the construction limits. The existing facilities are located as follows:

- Underground crossing of IH 43 along north side of Centralia Street, at approximately Station 873+10.

No conflicts are anticipated.

Windstream KDL, LLC contact is Mary Fisher at (262) 792-7938 or Mary.B.Fisher@windstream.com.

WisDOT ATR Pull Boxes has underground facilities within the construction limits. The existing facilities are located as follows:

- One solar powered microwave detector along IH 43, at approximately Station 451+00 and 30 to 50 feet off the northbound roadway.

No conflicts are anticipated.

WisDOT ATR Pull Boxes contact is Chad Bigler at (608) 535-7413 or chad.bigler@dot.wi.gov.

9. Other Contracts

The following projects may be under construction concurrently with the work under this contract. Coordinate activities, detours, work zone traffic control, roadway and lane closure, and other work items as required with these other contracts.

SE Region (Walworth County)

Project 1320-17-70, STH 11, USH 14 to Turtle Creek Drive. Work under this contract is scheduled to occur during most of the 2020 construction season. For approximately 3 months, estimated to be June through August of 2020, STH 11 will be closed and detoured onto IH 43 from USH 14 to CTH X.

- No full closures of IH 43 between USH 14 and STH 50 can occur while STH 11 is closed and detoured.

Project 1000-54-73. Concrete overlay of the STH 50 bridge over Jackson Creek that is scheduled to occur during the 2020 construction season. STH 50 will be detoured onto IH 43 between STH 50 and STH 67.

- No STH 67 ramp work can occur while STH 50 is closed and detoured.
- STH 67 may not be closed while STH 50 is closed and detoured.
- No full closures of IH 43 between STH 50 and STH 67 can occur while STH 50 is closed and detoured.

SW Region (Rock County)

A rout and seal project on IH 43 from IH 39 to the Rock/Walworth County line is scheduled to occur during the 2020 construction season.

- The contractor must coordinate with the route and seal project to ensure no traffic control conflicts would result.

WisDOT RWIS Program

The WisDOT RWIS Program has underground facilities within the construction limits. The existing facilities include a RWIS tower along the IH 43 southbound lanes at approximately station 875+20, LT; one pavement sensor in the IH 43 southbound outside lane at approximately station 875+20; and two pavement sensors in the IH 43 southbound lanes, one in each lane, within the bridge deck over Centralia Street

All three pavement sensors and one subsurface probe require replacement in conjunction with this project. Work will be completed by others and not by the roadway contractor. The WisDOT construction project manager shall notify the WisDOT RWIS Program Manager 30 days prior to the project beginning in order for the existing in-pavement sensors to be disconnected. The WisDOT RWIS Program contact is Mike Adams at (608) 266-5004 or Michael.Adams@dot.wi.gov. Once the existing sensors are disconnected, the contractor can complete any required roadway work in the area. Reinstallation of the sensors cannot occur until after all pavement work has been completed. The WisDOT RWIS Program Manager will coordinate scheduling of the sensor replacement. Upon completion of all pavement work in the area of the existing sensors, the WisDOT construction project manager shall notify the WisDOT RWIS Program Manager.

Bureau of Traffic Operations (Walworth and Rock Counties)

The Bureau of Traffic Operations is conducting a pavement marking test with the test markings being located in the southbound outside lane from approximately Station 168+00 to Station 194+00. The pavement marking test is scheduled to conclude in late summer of 2020. Contact Linette Rizo at (414) 227-2172 or Linette.Rizo@dot.wi.gov to verify when the test markings are no longer being monitored. While the markings are still being monitored, no pavement work can occur within the test section, no temporary pavement markings may be placed on top of the test markings and no test markings can be removed.

General

Additional projects may be under construction concurrently with the work items under this contract. Inquire with the department for any additional projects anticipated to be under construction in the project area or along any proposed haul roads. Walworth County should be contacted as well to learn if they have any projects in the area that may conflict with the IH 43 rehabilitation traffic control and staging.

10. Railroad Insurance and Coordination – Wisconsin and Southern Railroad, LLC.

A Description

Comply with standard spec 107.17 for all work affecting Wisconsin and Southern Railroad, LLC property and any existing tracks.

A.1 Railroad Insurance Requirements

In addition to standard spec 107.26, provide railroad protective liability insurance coverage as specified in standard spec 107.17.3. Insurance is filed in the name of Wisconsin and Southern Railroad, LLC.

Notify evidence of the required coverage, and duration to Amanda Haggerty, Office Administrator; 1890 E Johnson Street, Madison, WI 53704; Telephone (608) 620-2048; E-mail: ahaggerty@watcocompanies.com.

Also send a copy to the following: Paul Derksen, SE Region Railroad Coordinator; 141 N. W. Barstow Street, Waukesha, WI 53188; Telephone (262) 548-8770; E-mail: paul.derksen@dot.wi.gov.

Include the following information on the insurance document:

-Project ID: 1090-16-70

#	Route Name	City/County	Crossing ID	RR Subdivision	RR Milepost
1	Fox Lk Illinois (IH 43 over RR)	Walworth	910710A	Fox Lake	0082.30
2	Elkhorn (IH 43 over RR)	Delavan	390029W	Elkhorn	0047.80
3	Elkhorn (IH 43 over RR)	Elkhorn	387354P	Elkhorn	0040.18

A.2 Train Operation

#	Passenger Train Volume	Passenger Train Speed	Freight Train Volume	Freight Train Speed	Frequency	Switch Train Comment*
1	0	0	4	40	Daily	No switch trains
2	0	0	6	30	Weekly	No switch trains
3	0	0	2	10	Weekly	No switch trains

* Switch trains are in addition to freight and passenger trains.

A.3 Names and Addresses of Railroad Representatives for Consultation and Coordination

Construction Contact

Roger Schaalma, Superintendent of Maintenance of Way, Wisconsin and Southern Railroad Co.; 1890 East Johnson Street, Madison, WI 53704; Telephone (608) 620-2044; E-mail rschaalma@watcocompanies.com for consultation on railroad requirements during construction.

Amend standard spec 108.4 to include the railroad in the distribution of the initial bar chart, and monthly schedule updates. The bar chart shall specifically show work involving coordination with the railroad.

Flagging Contact

See Construction Contact. Reference the Crossing ID, Wisconsin Milepost and Subdivision found in A.1.

Cable Locate Contact

In addition to contacting Diggers Hotline, contact Amanda Haggerty, Office Administrator; Telephone (608) 620-2048; E-mail ahaggerty@watcocompanies.com at least five working days before the locate is needed. Reference the Crossing ID, Wisconsin Milepost and Subdivision found in A.1.

WSOR will only locate railroad owned facilities located in the railroad right-of-way. The railroad does not locate any other utilities.

A.4 Work by Railroad

The railroad will perform the work described in this section, except for work described in other special provisions and will be accomplished without cost to the contractor. None

Amend standard spec 108.4 to include the railroad in the distribution of the initial bar chart, and monthly schedule updates. The bar chart shall specifically show work involving coordination with the railroad.

A.5 Temporary Grade Crossing

If a temporary grade crossing is desired, submit a written request to the railroad representative named in A.3 at least 40 days prior to the time needed. Approval is subject to the discretion of the railroad. The department has made no arrangements for a temporary grade crossing.

B Railroad Flagging

Arrange with the railroad for the flagging of trains and safety of railroad operations if clearances specified in standard spec 107.17.1 are not maintained during construction operations.

The following conditions may also warrant flagging:

1. Cranes swinging (including length of boom/outriggers and /or appurtenances) or handling materials or equipment within 25 feet of the centerline of any track.
2. Construction operations that are in proximity of power lines or railroad signal and communication lines, underground cables, fuel oil facilities or pipe lines and which might result in fire or damage to such facilities, danger to railroad operations or danger to the public in the transaction of business on railroad premises.
3. Excavation, tunneling, blasting, pile driving, placing, or removing cofferdams or sheeting, or similar activities that might cause the railroad's tracks or buildings to be undermined, heaved out of normal level, shifted out of alignment, or otherwise impaired.
4. Bridge painting activities including rigging of falsework, scaffolding or similar activities over railroad tracks.
5. Deck removal activities over railroad tracks.
6. Pouring of bridge decks in spans over an operated track.
7. At any other time in railroad representative's judgment, the contractor's work or operations constitute an intrusion into the track zone and create an extraordinary hazard to railroad traffic, and at any other time when flagging protection is necessary for safety to comply with the operating rules of the railroad.

Projects with concurrent activity may require more than one flagger.

Projects with heavy contractor activity within 25 feet of the centerline of any track or unusual or heavy impact on railroad facilities will normally require a full-time flagger.

The department and railroad will monitor operations for compliance with the above flagging requirements. Violations may result in removal from railroad property until arrangements to adhere to the flagging requirements are satisfied. If the railroad imposes additional flagging requirements beyond the above flagging requirements due to the previous violations, the contractor shall bear all costs of the additional flagging requirements.

C Flagging by Railroad– Railroad Does Not Pay Flagging Costs

C.1 General

Replace paragraph (4) of standard spec 107.17.1 with the following:

Comply with the railroad's rules and regulations regarding operations on railroad right-of-way. If the railroad's chief engineering officer requires, arrange with the railroad to obtain the services of qualified railroad employees to protect railroad traffic through the work area. Bear the cost of these services and make payment directly to the railroad. Notify the appropriate railroad representative as listed in section A.3 above, in writing, at least 40 business days before starting work near a track. Provide the specific time planned to start the operations.

Work that requires railroad flaggers to occupy the work zone for longer duration or longer than the normal work day will require 40 day written notice to the railroad.

C.2 Rates - Wisconsin and Southern Railroad, LLC

The following rates, reimbursement provisions, and excluded conditions will be used to determine the contractor's cost of flagging:

- \$95 per hour for up to nine-hours at the work-site per day (including wages, labor surcharges, meals, lodging, vehicle and mileage expenses),
- \$140 per hour for all hours over nine in any week-day (including wages, labor surcharges, meals, lodging, vehicle and mileage expenses),
- \$190 per hour for up to nine hours at the work-site on Saturdays (including wages, labor surcharges, meals, lodging, vehicle and mileage expenses),
- \$190 per hour for all hours over nine on Saturdays (including wages, labor surcharges, meal, lodging, vehicle and mileage expenses).
- \$190 per hour for up to nine hours on Sundays or holidays (including wages, labor surcharges, meal, lodging, vehicle and mileage expenses).

C.2 Reimbursement Provisions

The actual cost for flagging will be billed by the railroad. After the completion of the work requiring flagging protection as provided in section B above, the department will reimburse 50% of the cost of such services up to the rates provided above based on paid railroad invoices, except for the excluded conditions enumerated below. In the event actual flagging rates exceed the rates stated above, the department will reimburse 100% of the portion of the rate that is greater than the rates stated above.

C.3 Excluded Conditions

The department will not reimburse any of the cost for additional flagging attributable to the following:

1. Additional flagging requirements imposed by the railroad beyond the flagging requirements provided in subsection B above due to violations by the contractor.
2. Temporary construction crossings arranged for by the contractor.

The contractor shall bear all costs of the additional flagging requirements for the excluded conditions.

C.4 Payment for Flagging

The department will pay for the department’s portion of flagging reimbursement as specified in section C of this provision under the following item:

ITEM NUMBER	DESCRIPTION	UNIT
801.0117	Railroad Flagging Reimbursement	DOL

The reimbursement payment, as shown on the Schedule of Items, is solely for department accounting purposes. Actual flagging costs will vary based on the contractor’s means and methods.

Railroads may issue progressive invoices. Notify the railroad when the work is completed and request a final invoice from the railroad. Promptly pay railroad-flagging invoices, less any charges that may be in dispute. The department will withhold flagging reimbursement until any disputed charges are resolved and the final invoice is paid. No reimbursement for flagging will be made by the department if a violation of subsection B is documented.

stp-107-034 (20190717)

11. Information to Bidders, WPDES General Construction Storm Water Discharge Permit.

The department has obtained coverage through the Wisconsin Department of Natural Resources to discharge storm water associated with land disturbing construction activities of this contract under the Wisconsin Pollutant Discharge Elimination System General Construction Storm Water Discharge Permit (WPDES Permit No. WI-S066796-1). A certificate of permit coverage is available from the regional office by contacting Scott Anderson (Design Project Manager) at (262) 548-6894. Post the permit in a conspicuous place at the construction site.

stp-107-056 (20180628)

12. 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. Comply with the requirements of the permit in addition to requirements of the special provisions. A copy of the permit is available from the regional office by contacting Brenda Ruenger at (262) 548-6709.

stp-107-054 (20080901)

13. 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 before 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. Guidelines from the Wisconsin Department of Natural Resources for disinfection are available at:

<http://dnr.wi.gov/topic/invasives/disinfection.html>

Use the following inspection and removal procedures:

1. Before 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 before leaving the area or invested waters; and
4. Disinfect your boat, equipment and gear by either:
 - 4.1. Washing with ~212 F water (steam clean), or
 - 4.2. Drying thoroughly for five days after cleaning with soap and water and/or high pressure water, or
 - 4.3. 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.

stp-107-055 (20130615)

14. Erosion Control

Add the following to standard spec 107.20 as paragraphs nine through fifteen:

- (9) Erosion control best management practices (BMP's) the plans show are at suggested locations. The actual locations shall be determined by the contractor's ECIP and by the engineer. Include each dewatering (mechanical pumping) operation in the ECIP submittal. The ECIP shall supplement information the plans show and not reproduce it. The ECIP shall identify how to implement the project's erosion control plan. ECIP shall 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 exposure to possible erosion.
- (10) Provide the ECIP 14 days before 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, (262) 574-2141 or Craig.Webster@wisconsin.gov. Do not implement the ECIP until department approval, and perform all work conforming to the approved ECIP.
- (11) Maintain Erosion Control BMP's until permanent vegetation is established or until the engineer determines that the BMP is no longer required.

- (12) Stockpile excess materials or spoils on upland areas away from wetlands, floodplains, and waterways. Install perimeter silt fence protection around stockpiles within a timeframe acceptable to the engineer. If stockpiled materials will be left for more than 14 days, install temporary seed and mulch or other temporary erosion control measures the engineer orders.
- (13) Re-apply topsoil on graded areas, as designated by the engineer, within a timeframe acceptable to the engineer 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 and mulch.
- (14) Do not allow 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. Before each dewatering operation, submit to the department a separate ECIP amendment describing in words and pictorial format an appropriate BMP for sediment removal, conforming 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. If directing discharge towards or into an inlet structure, provide additional inlet protection for back-up protection.
- (15) Dewatering is incidental.

sef-107-010 (20180104)

Maintain drainage at and through worksite during construction conforming 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.

When performing saw-cutting operations on any concrete pavement, concrete slurry generated shall be squeegeed off to the gravel shoulder and not allowed to remain on the driving lanes, into ditches or wetlands.

There are locations noted on the erosion control plan where ground disturbance/grading will occur but no silt fence is indicated to be placed. In lieu of silt fence, these areas are to be temporarily seeded and mulched within 48 hours of initial disturbance.

The plans identify locations where diamond grinding slurry cannot be discharged along the IH 43 shoulders due to environmental concerns. When diamond grinding is completed in these areas, the slurry must be collected and trucked off-site. The contractor will not be allowed to truck the slurry and discharge it to other locations along the project where side-discharging to the shoulders is permitted.

The diamond grinding machine shall be moving (not stopped) at all times when slurry is being actively side cast in approved areas.

15. Environmental Protection for Culvert Work.

Supplement standard spec 107.18 with the following:

There are numerous existing culvert pipes requiring cleaning and/or work on the endwalls that are within or adjacent to wetland areas. Limit wetland disturbance as much as possible unless some ditch grading is required. Equipment used in this area shall exert low ground pressure (no wheeled vehicles) or be done by hand. Use silt fence to protect adjacent wetland areas from siltation and disturbance.

The contractor will be allowed to isolate the work area with bypass pumping for one working day to clean each culvert.

Protect wetlands against erosion and sedimentation during the construction phase of the project.

Do not place any fills in waterways or wetlands.

Properly dispose of all sediment removed from the cleaning process at a site that is approved by the engineer.

Divert flow in any drainage ditches that have twin culverts. Use rock bags to isolate the flow into the second culvert while cleaning the first. If site dewatering is required, pump the sediment-laden water into an adequately sized sediment basin prior to discharging it to a ditch, wetland or waterway.

Utilize all best management practices for erosion control for this work as directed by the engineer.

Restore any disturbed area around the work area with specified landscaping as directed by the engineer.

Best Management Practices

Each culvert location should be classified based on the required level of environmental protection. As part of the erosion control bid items, the contractor shall include protection as described below. BMP's shown on the erosion control plan sheets are a minimum level of protection. Additional guidance is below:

Type 1: For culverts that have water running or standing in them during dry periods

- Provide a rock bag dam at both the upstream and the downstream end of the culvert.
- Place silt fence or other erosion control BMP's to protect undisturbed areas.
- Dewater work area.
- Clean culvert of sediment. Limit cleaning operation to a single working day.
- Complete endwall repairs.
- Reshape and restore all disturbed areas adjacent to culvert with topsoil, seed and erosion mat.

Type 2: For culverts that are next to wetland areas without standing water or water in the culvert

- Place silt fence or other erosion control BMP's to protect undisturbed area.
- Clean culvert of sediment. Limit cleaning operation to a single working day.
- Complete endwall repairs.
- Reshape and restore all disturbed areas adjacent to culvert with topsoil, seed and erosion mat.

Type 3: For culverts not near water or wetlands

- Clean culvert of sediment. Limit cleaning operation to a single working day.
- Complete endwall repairs.
- Reshape and restore all disturbed areas adjacent to culvert with topsoil, seed and erosion mat.

Dewatering

Perform all endwall repair work in a fully dewatered ditch or waterway.

In instances where topography or space does not allow for passive diversion of water, use pumps and pipes to divert the water. The contractor shall provide the pumps required for flow conditions as well as have available additional pumps in the event the flow increases.

All pumps shall be supervised during hours of pumping.

Provide pumps that are in good operating order and free of leaks. Pumps that are leaking fuel, lubricants or other material shall be removed immediately from the work area and then repaired or replaced as necessary.

During the dewatering operation, provide adequate protection from erosion at the discharge area. All materials placed to protect the discharge outfalls are temporary in nature and shall be removed from the project area upon completion of the dewatering process.

Dewatering is incidental to the project.

Pipe Cleaning

Pipes shall be cleaned according to standard spec 520 and special provision Cleaning Culvert Pipes.

All solids removed from the sewers must be completely removed from the storm sewer system and hauled off the project for disposal. Silts resulting from any flushing or jetting operation must be prevented from escaping into sewers or waterways.

16. Notice to Contractor – Airport Operating Restrictions

Fill out the FAA Notice Criteria tool for all permanent structure (bridge, light pole, etc.) or equipment (crane, etc.) used during construction.

<https://oeaaa.faa.gov/oeaaa/external/portal.jsp>

If required by the Notice Criteria tool, and for all crane or construction equipment higher than 200 feet above the ground, submit completed form 7460-1 (Notice of Proposed Construction or Alteration) to The Federal Aviation Administration (FAA) at least 45 days before starting construction.

Contact Levi Eastlick, (608) 267-5018), WisBOA airspace/tall structure manager for assistance submitting forms.

sef-107-020 (20171004)

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

Tim Petrofske, License Number All-115985, inspected Structure B-64-120 for asbestos on June 8, 2007. Regulated Asbestos Containing Material (RACM) was found on this structure in the following locations and quantities: non-friable asbestos containing material, greater than 1%, is located in the caulk in the parapet expansion joints; 15 square feet.

John Roelke, License Number All-119523, inspected Structure B-64-125 for asbestos on June 6, 2013. Regulated Asbestos Containing Material (RACM) was found on this structure in the following locations and quantities: non-friable asbestos containing material, PLM 10%, is located in the caulk in the parapet expansion joints; 6 square feet.

A copy of the inspection report is available from: Scott Anderson, (262) 548-6894. 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 as specified in standard spec 107.24. Keep material wet until it is abated.

stp-107-120 (20120615)

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

John Roelke, License Number All-119523, inspected Structures B-64-107, B-64-144 and B-64-145 for asbestos on June 6, 2013. No regulated Asbestos Containing Material (RACM) was found on these structures. A copy of each inspection report is available from: Scott Anderson, 262-548-6894.

In accordance with 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 before beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to Scott Anderson, (262) 548-6894 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:

B-64-107

- Site Name: Structure B-64-107, IH 43 SB over Centralia Rd.
- Site Address: 0.9 MI S JCT USH 12
- Ownership Information: WisDOT Transportation Southeast Region, 141 NW Barstow St, PO Box 798, Waukesha, WI, 53187-0798
- Contact: Scott Anderson
- Phone: (262) 548-6894
- Age: 44 years old. This structure was constructed in 1975.
- Area: 8948 SF of deck

B-64-144

- Site Name: Structure B-64-144, IH 43 NB over Westbound Lane.
- Site Address: 7.6 MI N JCT USH 140
- Ownership Information: WisDOT Transportation Southeast Region, 141 NW Barstow St, PO Box 798, Waukesha, WI, 53187-0798
- Contact: Scott Anderson
- Phone: 262-548-6894
- Age: 43 years old. This structure was constructed in 1976.
- Area: 7827 SF of deck

B-64-145

- Site Name: Structure B-64-145, IH 43 SB over Westbound Lane.
- Site Address: 1.0 MI S JCT USH 14
- Ownership Information: WisDOT Transportation Southeast Region, 141 NW Barstow St, PO Box 798, Waukesha, WI, 53187-0798
- Contact: Scott Anderson
- Phone: 262-548-6894
- Age: 43 years old. This structure was constructed in 1976.
- Area: 7827 SF of deck

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 as specified in standard spec 107.24. Keep material wet until it is abated or until it is determined to be non-asbestos containing material.

stp-107-125 (20120615)

19. Notice to Contractor, Verification of Asbestos Inspection, No Asbestos Found.

Tim Petrofske, License Number All-115985, inspected Structure B-64-132 for asbestos on June 8, 2007. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: Scott Anderson, (262) 548-6894.

John Roelke, License Number All-119523, inspected Structures B-64-133, B-64-134, B-64-135, and B-64-136 for asbestos on June 6, 2013. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: Scott Anderson, (262) 548-6894.

Tim Petrofske, License Number All-115985, and Bruce Benoit, License Number All-110003 inspected Structure B-64-137 for asbestos on June 7, 2007. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: Scott Anderson, (262) 548-6894.

stp-107-127 (20120615)

20. Archaeological Site.

There are five archaeological sites located within the project limits shown on the plans. The names and locations of the sites are as follows:

- 47WL118 (Davis #1), located approximately from Station 495+50 to 500+00.
- 47WL119 (Davis #2), located approximately from Station 501+00 to 508+50.
- 47WL1 (Phillips, aka Badger Farm Store I), located approximately from Station 511+50 to 521+00.
- 47WL120 (Allyn Site), located approximately from Station 530+00 to 542+50.
- 47WL355/BWL-0119 (Mabie Brothers Mound Group) – uncatalogued, located approximately from Station 542+50 to 551+00.

Notify the Bureau of Technical Services – Environmental Process and Document Section (BTS-EPDS) at (608) 266-0099 at least two weeks before commencement of any ground disturbing activities beyond the existing backslope intercept. BTS-EPDS will determine if a qualified archaeologist will need to be on site during construction of this area.

Do not use the site for borrow or waste disposal. Do not use the site area not currently capped by asphalt/concrete for the staging of personnel, equipment and/or supplies.

stp-107-220 (20180628)

- 21. Abatement of Asbestos Containing Material B-64-63, Item 203.0210.S.0010;
Abatement of Asbestos Containing Material B-64-64, Item 203.0210.S.0020;
Abatement of Asbestos Containing Material B-64-105, Item 203.0210.S.0030;
Abatement of Asbestos Containing Material B-64-106, Item 203.0210.S.0040;
Abatement of Asbestos Containing Material B-64-108, Item 203.0210.S.0050;
Abatement of Asbestos Containing Material B-64-109, Item 203.0210.S.0060;
Abatement of Asbestos Containing Material B-64-114, Item 203.0210.S.0070;
Abatement of Asbestos Containing Material B-64-115, Item 203.0210.S.0080;
Abatement of Asbestos Containing Material B-64-116, Item 203.0210.S.0090;
Abatement of Asbestos Containing Material B-64-117, Item 203.0210.S.0100;
Abatement of Asbestos Containing Material B-64-124, Item 203.0210.S.0110;
Abatement of Asbestos Containing Material B-64-126, Item 203.0210.S.0120;
Abatement of Asbestos Containing Material B-64-127, Item 203.0210.S.0130;
Abatement of Asbestos Containing Material B-64-138, Item 203.0210.S.0140;
Abatement of Asbestos Containing Material B-64-128, Item 203.0210.S.0150**

A Description

This special provision describes abating asbestos containing material on structures.

B (Vacant)

C Construction

John Roelke, License Number All-119523, inspected Structure B-64-63 and B-64-64 for asbestos on October 7, 2009. Regulated Asbestos Containing Material (RACM) was found on these structures in the following locations and quantities: both bridges have CAT II non-friable asbestos containing material in the guardrail gray pads; 75 square feet per bridge.

John Roelke, License Number All-119523, inspected Structure B-64-105, B-64-106, B-64-108, B-64-109, B-64-114, B-64-115, B-64-116, B-64-117, B-64-124, B-64-126 and B-64-127 for asbestos on June 6, 2013. Regulated Asbestos Containing Material (RACM) was found on this structure in the following locations and quantities: all bridges have non-friable asbestos containing material in the parapet expansion joint caulk; 10 square feet bridges B-64-105, B-64-109, B-64-116, B-64-117, B-64-126, B-64-127, 8 square feet bridges B-64-106, B-64-115, and B-64-124, 12 square feet bridge B-64-108, 6 square feet bridge B-64-114.

Tim Petrofske, License Number All-115985, and Bruce Benoit, License Number All-110003 inspected Structure B-64-138 and B-64-128 for asbestos on June 7 and June 8, 2007. Regulated Asbestos Containing Material (RACM) was found on these structures in the following locations and quantities: CAT II non-friable asbestos containing material in the abutments black coatings; 477 square feet bridge B-64-138. CAT II non-friable asbestos containing material in the parapet expansion joint caulk; 26 square feet bridge B-64-128.

The RACM on this structure must be abated by a licensed abatement contractor. A copy of the inspection report is available from Scott Anderson, 262-548-6894. In accordance with 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 before beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form and the abatement report to Scott Anderson, 262-548-6894 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-64-63, IH 43 SB over USH 12
B-64-64, IH 43 NB over USH 12
B-64-105, IH 43 SB over CTH H
B-64-106, IH 43 NB over CTH H
B-64-108, IH 43 NB over Centralia Rd
B-64-109, STH 67-Lincoln St over IH 43
B-64-114, IH 43 NB over CTH F
B-64-115, IH 43 SB over CTH F
B-64-116, IH 43 NB over Mound Rd
B-64-117, IH 43 SB over Mound Rd
B-64-124, IH 43 NB over CMSTPP RR (now WSOR)
B-64-126, IH 43 NB over CTH X – Beloit Rd
B-64-127, IH 43 SB over CTH X – Beloit Rd
B-64-138, IH 43 NB over North Rd. and Turtle Creek
B-64-128, Lawson School Road over IH 43

- Site Address:

B-64-63: 1.8 Mi. S JCT STH 11
B-64-64: 1.9 Mi. N JCT STH 67 to N
B-64-105: 0.38 Mi. S JCT USH 12
B-64-106: 1.3 Mi. N JCT STH 67 to N
B-64-108: 0.7 Mi. N JCT STH 67
B-64-109: 4.6 Mi. N JCT STH 50
B-64-114: 1.9 Mi. N JCT STH 50
B-64-115: 2.7 Mi. S JCT STH 67
B-64-116: 1.0 Mi. N JCT STH 50
B-64-117: 3.6 Mi. S JCT STH 67
B-64-124: 0.2 Mi. N JCT CTH X
B-64-126: 2.4 Mi. N JCT USH 14
B-64-127: 3.1 Mi. S JCT STH 50
B-64-138: 5.7 Mi. N JCT STH 14 to N
B-64-128, 0.3 MI N JCT CTH X

- Ownership Information: WisDOT Transportation Southeast Region, 141 NW Barstow St, PO Box 798, Waukesha, WI, 53187-0798

- Contact: Scott Anderson

- Phone: (262) 548-6894

- Age:

B-64-63: 50 years. This structure was constructed in 1969.
B-64-64: 50 years. This structure was constructed in 1969.
B-64-105: 44 years. This structure was constructed in 1975.
B-64-106: 44 years. This structure was constructed in 1975.
B-64-108: 44 years. This structure was constructed in 1975.
B-64-109: 44 years. This structure was constructed in 1975.
B-64-114: 44 years. This structure was constructed in 1975.
B-64-115: 44 years. This structure was constructed in 1975.
B-64-116: 44 years. This structure was constructed in 1975.
B-64-117: 44 years. This structure was constructed in 1975.
B-64-124: 44 years. This structure was constructed in 1975.
B-64-126: 44 years. This structure was constructed in 1975.
B-64-127: 44 years. This structure was constructed in 1975.
B-64-138: 43 years. This structure was constructed in 1976.
B-64-128: 43 years. This structure was constructed in 1976.

- Area:

- B-64-63: 18,387 sf of deck
- B-64-64: 18,387 sf of deck
- B-64-105: 11,539 sf of deck
- B-64-106: 11,524 sf of deck
- B-64-108: 8,948 sf of deck
- B-64-109: 20,326 sf of deck
- B-64-114: 6,819 sf of deck
- B-64-115: 6,819 sf of deck
- B-64-116: 10,284 sf of deck
- B-64-117: 10,306 sf of deck
- B-64-124: 6,819 sf of deck
- B-64-126: 15,703 sf of deck
- B-64-127: 16,777 sf of deck
- B-64-138: 19,082 sf of deck
- B-64-128, 9,499 sf of deck

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 as specified in standard spec 107.24. Keep material wet until it is abated or until it is determined to be non-asbestos containing material.

D Measurement

The department will measure Abatement of Asbestos Containing Material (Structure), completed according to the contract and accepted, as a single complete lump sum unit of work.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
203.0210.S.0010	Abatement of Asbestos Containing Material B-64-63	LS
203.0210.S.0020	Abatement of Asbestos Containing Material B-64-64	LS
203.0210.S.0030	Abatement of Asbestos Containing Material B-64-105	LS
203.0210.S.0040	Abatement of Asbestos Containing Material B-64-106	LS
203.0210.S.0050	Abatement of Asbestos Containing Material B-64-108	LS
203.0210.S.0060	Abatement of Asbestos Containing Material B-64-109	LS
203.0210.S.0070	Abatement of Asbestos Containing Material B-64-114	LS
203.0210.S.0080	Abatement of Asbestos Containing Material B-64-115	LS
203.0210.S.0090	Abatement of Asbestos Containing Material B-64-116	LS
203.0210.S.0100	Abatement of Asbestos Containing Material B-64-117	LS
203.0210.S.0110	Abatement of Asbestos Containing Material B-64-124	LS
203.0210.S.0120	Abatement of Asbestos Containing Material B-64-126	LS
203.0210.S.0130	Abatement of Asbestos Containing Material B-64-127	LS
203.0210.S.0140	Abatement of Asbestos Containing Material B-64-138	LS
203.0210.S.0150	Abatement of Asbestos Containing Material B-64-128	LS

Payment is full compensation for submitting necessary forms; removing all asbestos; and for properly disposing of all waste materials.

stp-203-005 (20120615)

22. **Debris Containment B-64-107, Item 203.0225.S.0010;**
Debris Containment B-64-108, Item 203.0225.S.0020;
Debris Containment B-64-124, Item 203.0225.S.0030;
Debris Containment B-64-125, Item 203.0225.S.0040;
Debris Containment B-64-127, Item 203.0225.S.0050;
Debris Containment B-64-135, Item 203.0225.S.0060;
Debris Containment B-64-136, Item 203.0225.S.0070.

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

Before starting work, submit a debris containment plan to the engineer for review. Incorporate engineer-requested modifications. Do not start work over the Wisconsin and Southern Railroad or CTH X/Beloit Road until the engineer approves the debris containment plan.

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

At least 15 working days before conducting potential debris generating operations, contact the following owners or lessees:

1. Scott Anderson, WisDOT Southeast Region, (262) 548-6894
2. Roger Schaalma, Superintendent of Maintenance of Way, Wisconsin and Southern Railroad, LLC., (608) 620-2044 or rschaalma@watcocompanies.com for consultation on railroad requirements during construction.

Upon completion of the work or when directed by the engineer, remove the debris containment system.

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.0010	Debris Containment B-64-107	LS
203.0225.S.0020	Debris Containment B-64-108	LS
203.0225.S.0030	Debris Containment B-64-124	LS
203.0225.S.0040	Debris Containment B-64-125	LS
203.0225.S.0050	Debris Containment B-64-127	LS
203.0225.S.0060	Debris Containment B-64-135	LS
203.0225.S.0070	Debris Containment B-64-136	LS

Payment for Debris Containment is full compensation for supplying a debris containment plan; and for furnishing, installing, maintaining, and removing a debris containment system.

stp-203-010 (20190618)

23. Removing Concrete Surface Partial Depth, Item 204.0109.S.

A Description

This special provision describes removing a portion of concrete surfaces as the plans show and conforming to standard spec 204.

B (Vacant)

C Construction

C.1 Equipment

Use a machine that provides a surface finish acceptable to the engineer. Shroud the machine to prevent discharge of any loosened material into adjacent work areas or live traffic lanes.

Use a machine that is equipped with electronic devices that provide accurate depth, grade and slope control, and acceptable dust control system.

C.2 Methods

Remove existing concrete to the depths as shown on the plan by grinding, planing, chipping, sawing, milling, or by using other methods approved by the engineer.

Perform the removal operation in such a manner as to preclude damage to the remaining pavement and results in a reasonable uniform plane surface free of excessive large scarification marks and having a uniform transverse slope.

The sequence of removal operations shall be such that no exposed longitudinal joints 2 inches or more in depth remain during non-working hours. Windrowing or storing of the removed material on the roadway will only be permitted in conjunction with a continuous removal and pick-up operation. During non-working hours, clear the roadway of all materials and equipment.

Removed pavement becomes the property of the contractor. Properly dispose of it as specified in standard spec 204.3.1.3.

D Measurement

The department will measure Removing Concrete Surface Partial Depth in area by the square foot of surface area removed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
204.0109.S	Removing Concrete Surface Partial Depth	SF

Payment is in full compensation for removing the concrete; and for disposing of materials.

stp-204-041 (20080902)

24. Removing Inlet Covers, Item 204.9060.S.001.

A Description

This special provision describes removing Inlet Covers conforming to standard spec 204.

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Inlet Covers as each individual unit, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.001	Removing Inlet Covers	EACH

stp-204-025 (20150630)

- 25. Removing Apron Endwall for Culvert Pipe Steel 12-Inch, Item 204.9060.S.002; Removing Apron Endwall for Culvert Pipe Steel 15-Inch, Item 204.9060.S.003; Removing Apron Endwall for Culvert Pipe Reinforced Concrete 18-Inch, Item 204.9060.S.004; Removing Apron Endwall for Culvert Pipe Reinforced Concrete 24-Inch, Item 204.9060.S.005; Removing Apron Endwall for Culvert Pipe Reinforced Concrete 30-Inch, Item 204.9060.S.006.**

A Description

This special provision describes removing Apron Endwall for Culvert Pipe (material) (size) conforming to standard spec 204.

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Apron Endwall for Culvert Pipe (material) (size) as each individual unit, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.002	Removing Apron Endwall for Culvert Pipe Steel 12-Inch	EACH
204.9060.S.003	Removing Apron Endwall for Culvert Pipe Steel 15-Inch	EACH
204.9060.S.004	Removing Apron Endwall for Culvert Pipe Reinforced Concrete 18-Inch	EACH
204.9060.S.005	Removing Apron Endwall for Culvert Pipe Reinforced Concrete 24-Inch	EACH
204.9060.S.006	Removing Apron Endwall for Culvert Pipe Reinforced Concrete 30-Inch	EACH
stp-204-025 (20150630)		

- 26. Concrete Pavement Partial Depth Repair Joint Repair, Item 416.0750.S; Concrete Pavement Partial Depth Repair Edge Repair, Item 416.0756.S.**

A Description

This special provision describes removing deteriorated concrete; furnishing, placing and curing concrete to the original slope and grade; and reestablishing cracks or joints at areas the plans show and as the engineer directs.

The item Concrete Pavement Partial Depth Repair Joint Repair consists of removing deteriorated concrete at the areas designated in the plans, furnishing, placing, and curing concrete to the original slope and grade, and reestablishing joints.

The item Concrete Pavement Partial Depth Repair Edge Repair consists of removing deteriorated concrete at the areas designated in the plans, furnishing, placing, and curing concrete to the original slope and grade.

A.1 General

In advance of the beginning of the rehabilitation operation, establish traffic control for rehabilitation surveys and marking of locations.

Any removal and replacement of existing asphaltic concrete pavement in conjunction with the concrete pavement operations shall be incidental work for which no direct payment will be made unless otherwise shown in the plan.

Perform the removal operation in a manner that precludes damage to the remaining pavement. Any damage to the in-place concrete pavement by the contractor's operations, shall be repaired before acceptance as the engineer directs.

Milling is generally completed with one pass of the milling machine. The nominal width of Joint Repair or Crack Repair shall not exceed 12 inches (305 mm). Any repair area required, beyond the nominal 12 inch (305 mm) width will be paid for as Surface Repair. The length of Full Depth Adjustment, along the transverse joint, from the nearest longitudinal joint, shall not be greater than 18 inches (458 mm).

If during removal operations it is determined that a full-lane width, full-depth repair is required, the contractor will receive partial payment for a measured quantity of the intended repair item, and the work shall be completed under the item of Concrete Pavement Repair, Item 416.0710. If after milling a transverse joint deteriorated concrete exists greater than 4 inches wide and 6 feet in length, the joint shall be converted to a full-depth Concrete Pavement Repair.

Do not place repair concrete when the ambient air temperature is below 50° F (10° C), except as permitted by the engineer. When the ambient air temperature is below 50° F (10° C) the engineer may require covering during the initial curing period.

Partial depth repair areas should be inspected for possible debonding, by chain dragging or other suitable procedure, before opening to public traffic. Debonded repairs must be removed and replaced.

Opening of pavement repairs to traffic will be controlled by cylinder tests, as set forth in standard spec 415.3.15.

Replace any area of the asphaltic shoulder damaged during the pavement removal operations under this item with a commercially produced asphaltic patching material to the elevation of the adjacent shoulder.

At no expense to the department, remove and replace any areas of failure that appear within one month of the original repair, or any subsequent repair, including traffic control. Failures include but may not be limited to loss of bonding to the in-place concrete, spalling, or crack apparent in the repair other than the desired crack in the newly constructed joint or reestablished crack.

A.2 Equipment

Use only concrete milling machines that are equipped with a device for stopping at preset depths to prevent damage to dowel bars. Additionally, shroud the equipment to prevent discharge of any loosened material into adjacent work areas or live traffic lanes.

Use air chippers or breakers for chipping the old concrete surface that have a total weight not exceeding 30 lb. (13.6 kg) and are equipped with flat, chisel-type points that have cutting edges not less than .75 inch (19 mm) or greater than 3 inches (76.2 mm) wide.

Use concrete mixing equipment that provides material of uniform consistency. Do not prepare site-mixed concrete more than ½ hour before placement. Do not prepare ready-mixed concrete more than 1 hour before placement.

Use mechanical vibrators that are capable of operating at frequencies sufficient to achieve thorough and uniform consolidation, but not less than 7000 impulses per minute. Have available at least one spare vibrator, in working order and of sufficient frequency, on the work site before concrete placement is started.

B Materials

All materials used in the work shall conform to the requirements specified for the class of material named.

B.1 Concrete

The replacement concrete shall comply with the standard specifications except as modified below. It shall be furnished, placed, and cured according to the provisions in the plans, specifications, and contract.

Use the following proportions, assuming a specific gravity of 2.65, for 1 cubic yard (cubic meter) of concrete:

850 lb. (505 kg) Portland Concrete	(Type 1 or Type III)
1338 lb. (794 kg) Fine Aggregate	(Per standard specifications except max P200=2.5%)
1338 lb. (794 kg) Coarse Aggregate	(See table below for gradation)

Coarse Aggregate Gradation

SIEVE SIZE	PERCENT PASSING (by weight)
3/8 (9.5 mm)	100
#4 (4.75 mm)	55-95
#50 (300 µm)	0-5
#200 (75 µm)	0-1.0

Maximum slump shall be 1 inch (25 mm).

Air Content shall be 6% ±1.5%

ASTM C494 Type A admixture shall be used, unless Type E is used.

ASTM C494 Type E admixture may be used, according to the manufacturer’s recommendations, to achieve the required opening strength in the desired time period. Dosage will vary with ambient temperature and desired opening time.

The use of more than 50% of the maximum manufacturer’s recommended dosage of Type E admixture will require the concrete to be sprayed with curing compound and covered with wet burlene.

B.2 Compression Relief Material

Provide compression relief material that is made of a rigid, compressible, non-absorbent material.

B.3 Bonding Agent

Use bonding grout that consists of equal portions of Portland cement and sand, mixed with sufficient water to form a slurry having the consistency of thick cream.

B.4 Concrete Curing Agent

Provide a concrete curing agent that is a resin of 100 percent poly-alpha-methylstyrene type curing compound meeting ASTM C309, Type 2, Class B specifications and conforming to all requirements according to the following table:

Properties	Minimum	Maximum
Total Solids, % by weight of compound	42	
Reflectance in 72 hours (ASTM E1347)	65	
Loss of Water, kg/m ² in 24 hours (ASTM C156)		0.15
Loss of water, kg/m ² in 72 hours (ASTM C156)		0.40
Settling Test, ml/100 ml in 72 hours ^[1]		2
V.O.C. Content, g/L		350
Infrared Spectrum, Vehicle ^[2]	100% alpha-methylstyrene	

^[1] Test Method on file at the department’s Materials Testing Lab.

^[2] The infrared scan for the dried vehicle from the curing compound shall match the infrared scan on file at the department’s Materials Testing Lab.

Shelf life of the product shall be six months from date of manufacture. The product may be re-tested by the department’s Materials Testing Lab and re-approved, if the physical and chemical properties have not changed, for an additional six months. However, the maximum shelf life shall not exceed one year from manufacture date.

C Construction

Remove the concrete by milling to the depths and dimensions as shown on the plan or as determined by the engineer, or both.

Milling may be accomplished either longitudinally or transversely to the joint, crack, or edge. The removal process must not damage dowel bars. In the event a dowel bar exhibits excessive corrosion, cut, or burn-off the bar.

The removal of the concrete surface in the designated repair areas shall have a minimum depth of 2 inches (50.8 mm) with all deteriorated concrete removed to a maximum depth of one-half the pavement thickness, or the top of the dowel bars. Using air chippers, remove all cracked or deteriorated concrete exposed after milling to sound concrete. Chipping at the milled surface of the crack or joint shall be a minimum 2 inches wide and shall be at a 1:1 slope.

When dowel bars are present, take precaution not to disturb unsound concrete below the tops of the dowels. If some of this unsound material is accidentally blown out during the cleaning process, fill in the voids with clean, dry sand.

Use air chippers only for final preparation of the repair area.

Storage of the removed material on the roadway will only be permitted in conjunction with a continuous removal and pick-up operation. During non-working hours, clear the roadway of all materials and equipment.

The removed pavement shall become the property of the contractor and disposed of as specified in standard spec 204.3.1.3.

Install pavement ties conforming to standard spec 416.3.6.

Sandblast all exposed surfaces within 24 hours before concrete placement. If it rains before concrete placement, sandblast the repair areas again. Additionally, clean the repair areas of loose material by air blasting before applying the bonding grout.

Coat exposed surfaces of dowel bars to prevent bonding between the bar and the repair concrete. Take precaution to prevent contamination of existing concrete in the repair area.

Place compression relief material to maintain the continuity of the existing crack or to reestablish the joint in a full-depth adjustment. Install compression relief material such that it remains in position and is tight to all edges during placement of the repair concrete. During concrete placement and vibrating, keep the compression relief material in contact with the bottom of the repair area. To ensure that cracks are reestablished in their original locations, scribe their locations on the adjoining pavement outside the removal area, before removal operations.

Reestablish cracks and joints to a 1/4 inch width, or to the existing crack or joint width, whichever is greater.

Immediately before placing the concrete, coat the repair surface with bonding grout. The surface shall be completely dry for at least one-half hour before coating with bonding grout. If the surface isn't completely dry, dry the surface using heat to remove all moisture from the repair surface. Mix the grout by mechanical means and thoroughly brush it over the prepared concrete surface to ensure that all parts receive an even coating. No excess grout shall be permitted to collect in pockets. Place grout within one and a half hours of mixing. If the grout whitens, sandblast, and re-grout.

Vibrate concrete as necessary to uniformly and thoroughly consolidate the entire mass of fresh concrete without causing segregation of the aggregates or the formation of localized areas of grout.

Concrete repairs shall not protrude beyond the original cross-section of the pavement by more than 3/8 inch (9.5 mm). The edges shall be formed or sawn full-depth.

Strike-off the surface of the repaired area flush with the adjacent concrete and finish the surface to a uniform texture, true to grade and cross section and free from porous areas. As a final finishing operation, float the concrete toward the edges of the repair.

While the concrete is still plastic, the repair shall be tested for trueness with a straightedge.

Reestablish cracks using compression relief material to or beyond the surface of the repair. Initially reestablish joints in plastic concrete by using a jointing tool. Establish tooled joints to a minimum depth of 2 inches. Tooled edges shall be provided, adjacent to all compression relief material, in fresh concrete. Complete the removal of excess compression relief material above the pavement surface without damage to the repair area. The method of removal will be reviewed and approved by the engineer before any removal.

Surface texturing, if required by the engineer, shall consist of a broomed finish in the long dimension direction of the repair.

Apply curing compound to the fresh concrete as soon as possible. Apply the compound uniformly, at a minimum rate of one gallon per 100 square feet (0.41 L/m²).

Restore joints by sawing. Saw the joints in a single cut, to the width and depth the plans show, and conforming to standard spec 415.3.9.

Thoroughly clean the joint or crack after sawing to remove loose compressible material.

D Measurement

The department will measure Concrete Pavement Partial Joint Repair and Concrete Pavement Partial Depth Repair Edge Repair by the linear foot, 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
416.0750.S	Concrete Pavement Partial Depth Repair Joint Repair	LF
416.0756.S	Concrete Pavement Partial Depth Repair Edge Repair	LF

If a Partial Depth Repair item is changed, by the project engineer, to a full-depth repair, the contractor shall be paid at a measured quantity of 40 percent of the intended repair plus the full cost for Full Depth Repair.

Payment for Concrete Pavement Partial Depth Repair Joint Repair and Concrete Pavement Partial Depth Repair Edge Repair, is full compensation for removing the concrete; disposing of materials; furnishing and placing sand where required; furnishing and placing compression relief material where required; furnishing and placing preformed joint filler where required; placement and curing of the concrete; and for reestablishing cracks or joints.

stp-416-015 (20160607)

27. QMP HMA Pavement Nuclear Density.

A Description

Replace standard spec 460.3.3.2 (1) and standard spec 460.3.3.2 (4) with the following:

- (1) This special provision describes density testing of in-place HMA pavement with the use of nuclear density gauges. Conform to standard spec 460 except as modified in this special provision.
- (2) Provide and maintain a quality control program defined as all activities and documentation of the following:
 1. Selection of test sites.
 2. Testing.
 3. Necessary adjustments in the process.
 4. Process control inspection.
- (3) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes required procedures.

<https://wisconsin.gov/rdwy/cmm/cm-08-00toc.pdf>

- (4) The department's Materials Reporting System (MRS) software allows contractors to submit data to the department electronically, estimate pay adjustments, and print selected reports. Qualified personnel may obtain MRS software from the department's web site at:

<http://www.atwoodsystems.com/>

B Materials

B.1 Personnel

- (1) Nuclear gauge owners and personnel using nuclear gauges shall comply with WisDOT requirements according to 460.3.3 and CMM 8-15.

B.2 Testing

- (1) Conform to ASTM D2950 and CMM 8.15 for density testing and gauge monitoring methods. Conform to CMM 8-15.10.4 for test duration and gauge placement.

B.3 Equipment

B.3.1 General

- (1) Furnish nuclear gauges according to CMM 8-15.2.
- (2) Furnish nuclear gauges from the department's approved product list at <https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/tools/appr-prod/default.aspx>

B.3.2 Comparison of Nuclear Gauges

B.3.2.1 Comparison of QC and QV Nuclear Gauges

- (1) Compare QC and QV nuclear gauges according to CMM 8-15.7.

B.3.2.2 Comparison Monitoring

- (1) Conduct reference site monitoring for both QC and QV gauges according to CMM 8-15.

B.4 Quality Control Testing and Documentation

B.4.1 Lot and Sublot Requirements

B.4.1.1 Mainline Traffic Lanes, Shoulders, and Appurtenances

- (1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.
- (2) Determine required number of tests according to CMM 8-15.10.2.1.
- (3) Determine random testing locations according to CMM 8-15.10.3.

B.4.1.2 Side Roads, Crossovers, Turn Lanes, Ramps, and Roundabouts

- (1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.
- (2) Determine required number of tests according to CMM 8-15.10.2.2.
- (3) Determine random testing locations according to CMM 8-15.10.3.

B.4.2 Pavement Density Determination

B.4.2.1 Mainline Traffic Lanes and Appurtenances

- (1) Calculate the average sublot densities using the individual test results in each sublot.
- (2) If all sublot averages are no more than one percent below the target density, calculate the daily lot density by averaging the results of each random QC test taken on that day's material.
- (3) If any sublot average is more than one percent below the target density, do not include the individual test results from that sublot when computing the lot average density and remove that sublot's tonnage from the daily quantity for incentive. The tonnage from any such sublot is subject to disincentive pay as specified in standard spec 460.5.2.2.

B.4.2.2 Mainline Shoulders

B.4.2.2.1 Width Greater Than 5 Feet

- (1) Determine the pavement density as specified in B.4.2.1.

B.4.2.2.2 Width of 5 Feet or Less

- (1) If all sublot test results are no more than 3.0 percent below the minimum target density, calculate the daily lot density by averaging all individual test results for the day.

- (2) If a subplot test result is more than 3.0 percent below the target density, the engineer may require the unacceptable material to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine the limits of the unacceptable material according to B.4.3.

B.4.2.3 Side Roads, Crossovers, Turn Lanes, Ramps, and Roundabouts

- (1) Determine the pavement density as specified in B.4.2.1.

B.4.2.4 Documentation

- (1) Document QC density test data as specified in CMM 8.15. Provide the engineer with the data for each lot within 24 hours of completing the QC testing for the lot.

B.4.3 Corrective Action

- (1) Notify the engineer immediately when an individual test is more than 3.0 percent below the specified minimum in standard spec 460.3.3.1. Investigate and determine the cause of the unacceptable test result.
- (2) The engineer may require unacceptable material specified in B.4.3(1) to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine limits of the unacceptable area by measuring density of the layer at 50-foot increments both ahead and behind the point of unacceptable density and at the same offset as the original test site. Continue testing at 50-foot increments until a point of acceptable density is found as specified in standard spec 460.5.2.2(1). Removal and replacement of material may be required if extended testing is in a previously accepted subplot. Testing in a previously accepted subplot will not be used to recalculate a new lot density.
- (3) Compute unacceptable pavement area using the product of the longitudinal limits of the unacceptable density and the full subplot width within the traffic lanes or shoulders.
- (4) Retesting and acceptance of replaced pavement will be as specified in standard spec 105.3.
- (5) Tests indicating density more than 3.0 percent below the specified minimum, and further tests taken to determine the limits of unacceptable area, are excluded from the computations of the subplot and lot densities.
- (6) If 2 consecutive subplot averages within the same paving pass and same target density are more than one percent below the specified target density, notify the engineer and take necessary corrective action. Document the locations of such sublots and the corrective action that was taken.

B.5 Department Testing

B.5.1 Verification Testing

- (1) The department will have a HTCP certified technician, or ACT working under a certified technician, perform verification testing. The department will test randomly at locations independent of the contractor's QC work. The department will perform verification testing at a minimum frequency of 10 percent of the sublots and a minimum of one subplot per mix design. The sublots selected will be within the active work zone. The contractor will supply the necessary traffic control for the department's testing activities.
- (2) The QV tester will test each selected subplot using the same testing requirements and frequencies as the QC tester.
- (3) If the verification subplot average is not more than one percent below the specified minimum target density, use the QC tests for acceptance.
- (4) If the verification subplot average is more than one percent below the specified target density, compare the QC and QV subplot averages. If the QV subplot average is within 1.0 lb/ft³ of the QC subplot average, use the QC tests for acceptance.
- (5) If the first QV/QC subplot average comparison shows a difference of more than 1.0 lb/ft³ each tester will perform an additional set of tests within that subplot. Combine the additional tests with the original set of tests to compute a new subplot average for each tester. If the new QV and QC subplot averages compare to within 1.0 lb/ft³, use the original QC tests for acceptance.
- (6) If the QV and QC subplot averages differ by more than 1.0 lb/ft³ after a second set of tests, resolve the difference with dispute resolution specified in B.6. The engineer will notify the contractor immediately when density deficiencies or testing precision exceeding the allowable differences are observed.

B.5.2 Independent Assurance Testing

- (1) Independent assurance is unbiased testing the department performs to evaluate the department's verification and the contractor's QC sampling and testing including personnel qualifications, procedures, and equipment. The department will perform the independent assurance review according to the department's independent assurance program.

B.6 Dispute Resolution

- (1) The testers may perform investigation in the work zone by analyzing the testing, calculation, and documentation procedures. The testers may perform gauge comparison according to B.3.2.1.
- (2) The testers may use comparison monitoring according to B.3.2.2 to determine if one of the gauges is out of tolerance. If a gauge is found to be out of tolerance with its reference value, remove the gauge from the project and use the other gauge's test results for acceptance.
- (3) If the testing discrepancy cannot be identified, the contractor may elect to accept the QV subplot density test results or retesting of the subplot in dispute within 48 hours of paving. Traffic control costs will be split between the department and the contractor.
- (4) If investigation finds that both gauges are in error, the contractor and engineer will reach a decision on resolution through mutual agreement.

B.7 Acceptance

- (1) The department will not accept QMP HMA Pavement Nuclear Density if a non-compared gauge is used for contractor QC tests.

C (Vacant)

D (Vacant)

E Payment

E.1 QMP Testing

- (1) Costs for all sampling, testing, and documentation required under this special provision are incidental to the 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.

E.2 Disincentive for HMA Pavement Density

- (1) The department will administer density disincentives as specified in standard spec 460.5.2.2.

E.3 Incentive for HMA Pavement Density

- (1) The department will administer density incentives as specified in standard spec 460.5.2.3.
stp-460-020 (20181119)

28. Ice Hot Weather Concreting, Item 501.1000.S.

Conform to standard spec 501.3.8.2 except the department will pay for ice at the contract unit price under the Ice Hot Weather Concreting bid item. This special provision only applies to work done under the following contract bid items:

Concrete Masonry Bridges	Concrete Masonry Retaining Walls
Concrete Masonry Bridges HES	Concrete Masonry Retaining Walls HES
Concrete Masonry Culverts	Concrete Masonry Endwalls
Concrete Masonry Culverts HES	Concrete Masonry Overlay Decks
High Performance Concrete (HPC) Masonry Structures	

Replace standard spec 501.4 and 501.5 with the following:

501.4 Measurement

- (1) The department will measure Ice Hot Weather Concreting by the pound acceptably completed, measured only if the conditions prescribed in standard spec 501.3.8.2 are met.

501.5 Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
501.1000.S	Ice Hot Weather Concreting	LB

(2) Payment for Ice Hot Weather Concreting is full compensation for ice used to cool concrete placed in hot weather as specified in standard spec 501.3.8.2.

(3) The department will not pay directly for the concrete specified under this section. Concrete is incidental to the various bid items using it. Payment under those bid items includes providing all materials, including aggregates and associated aggregate source testing, cement, fly ash, slag, and admixtures; for preparing, transporting, storing, protecting and curing concrete; and for contractor requirements related to testing specified in standard spec 501.3.10.

(4) If required to remove and replace any concrete damaged by lack of proper protection. Perform this work at no expense to the department.

stp-501-010 (20151210)

- 29. Expansion Device, B-64-63, Item 502.3101.001;**
- Expansion Device, B-64-64, Item 502.3101.002;**
- Expansion Device, B-64-105, Item 502.3101.003;**
- Expansion Device, B-64-106, Item 502.3101.004;**
- Expansion Device, B-64-109, Item 502.3101.005;**
- Expansion Device, B-64-126, Item 502.3101.006;**
- Expansion Device, B-64-127, Item 502.3101.007;**
- Expansion Device, B-64-116, Item 502.3101.008;**
- Expansion Device, B-64-117, Item 502.3101.009;**
- Expansion Device, B-64-125, Item 502.3101.010.**

A Description

This special provision describes furnishing and installing an expansion device as the plans show conforming to standard spec 502 as modified in this special provision.

B Materials

The minimum thickness of the polychloroprene strip seal shall be 1/4 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	55 ± 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 Mass Change, max.	45%	ASTM D471

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 ^[1]		
	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	----	----

^[1] Expansion device strip seal gland size requirement of 4", 5", and 6" shall be as the plans show.

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.

stp-502-020 (20171130)

- 30. Removing Bearings B-64-63, Item 506.7050.S.0010;
 Removing Bearings B-64-64, Item 506.7050.S.0020;
 Removing Bearings B-64-105, Item 506.7050.S.0030;
 Removing Bearings B-64-106, Item 506.7050.S.0040;
 Removing Bearings B-64-109, Item 506.7050.S.0050;
 Removing Bearings B-64-116, Item 506.7050.S.0060;
 Removing Bearings B-64-117, Item 506.7050.S.0070;
 Removing Bearings B-64-126, Item 506.7050.S.0080;
 Removing Bearings B-64-127, Item 506.7050.S.0090;
 Removing Bearings B-64-132, Item 506.7050.S.0100;
 Removing Bearings B-64-133, Item 506.7050.S.0110;
 Removing Bearings B-64-134, Item 506.7050.S.0120;
 Removing Bearings B-64-128, Item 506.7050.S.0130.**

A Description

This special provision describes raising the girders and removing the existing bearings, as the plans show.

B (Vacant)

C Construction

Raise the structure's girders and remove the existing bearings as the plans show

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, 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
506.7050.S.0010	Removing Bearings, B-64-63	EACH
506.7050.S.0020	Removing Bearings, B-64-64	EACH
506.7050.S.0030	Removing Bearings, B-64-105	EACH
506.7050.S.0040	Removing Bearings, B-64-106	EACH
506.7050.S.0050	Removing Bearings, B-64-109	EACH
506.7050.S.0060	Removing Bearings, B-64-116	EACH
506.7050.S.0070	Removing Bearings, B-64-117	EACH
506.7050.S.0080	Removing Bearings, B-64-126	EACH
506.7050.S.0090	Removing Bearings, B-64-127	EACH
506.7050.S.0100	Removing Bearings, B-64-132	EACH
506.7050.S.0110	Removing Bearings, B-64-133	EACH
506.7050.S.0120	Removing Bearings, B-64-134	EACH
506.7050.S.0130	Removing Bearings, B-64-128	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.

stp-506-035 (20130615)

31. Sawing Pavement Deck Preparation Areas, Item 509.0310.S.

A Description

This special provision describes sawing around deteriorated areas requiring deck repairs under the Preparation Decks bid items on decks receiving asphalt or polymer overlays and for deck repairs that will not receive an overlay.

B (Vacant)

C Construction

The department will sound and mark areas of deteriorated concrete that require deck preparation. The engineer may identify and mark additional areas as the work is being performed.

Wet cut a minimum of 1 inch deep and at least 2 inches outside of the marked areas. Bound each marked area by providing cuts aligned parallel and perpendicular to the deck centerline.

Remove sawing sludge after completing each area. Do not allow sludge or resulting residue to enter a live lane of traffic, storm sewer, stream, lake, reservoir, marsh, or wetland. Dispose of sludge at an acceptable material disposal site located off the project limits or, if the engineer allows, within the project limits.

D Measurement

The department will measure Sawing Pavement Deck Preparation Areas by the linear foot acceptably completed, measured as the total linear feet of bounding cuts.

The department will not measure for payment over-cuts or cuts made beyond what is required to bound engineer-marked deterioration limits.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
509.0310.S	Sawing Pavement Deck Preparation Areas	LF

Payment is full compensation for making all saw cuts; and for debris disposal.

stp-509-070 (20180628)

32. Cleaning Decks to Reapply Concrete Masonry Overlay, Item 509.0505.S.

A Description

This special provision describes cleaning the entire bridge deck after the existing concrete masonry overlay is removed, prior to placing a new concrete masonry overlay.

B (Vacant)

C Construction

Blast-clean the entire surface of the deck, the vertical faces of curbs, sidewalks and parapets to the depth of the adjoining concrete overlay. Blast-clean all exposed existing reinforcing steel. Repair damage to existing epoxy-coated reinforcement remaining in place that is either uncovered by or damaged by the contractor's operations. Use engineer-approved patching or repair material compatible with the existing coating and inert in concrete.

Clean the surface on which the new concrete will be placed to remove all loose particles and dust by either brooming and water pressure using a high-pressure nozzle, or by water and air pressure. Use water for cleaning that conforms to specifications for water under standard spec 501.2.4.

D Measurement

The department will measure Cleaning Decks to Reapply Concrete Masonry Overlay 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
509.0505.S	Cleaning Decks to Reapply Concrete Masonry Overlay	SY

Payment for Cleaning Decks to Reapply Concrete Masonry Overlay is full compensation for cleaning the concrete surfaces.

stp-509-065 (20171130)

33. Concrete Masonry Deck Repair, Item 509.2100.S.

A Description

This special provision describes providing concrete masonry on the sawed deck preparation areas of the concrete bridge deck and in full depth deck, curb, and joint repair areas. Conform to standard spec 502 and standard spec 509.

B Materials

B.1 Neat Cement

Furnish a neat cement bonding grout. Mix the neat cement in a water-cement ratio approximately equal to 5 gallons of water per 94 pounds of cement.

B.2 Concrete

Furnish grade C, C-FA, C-S, C-IS, C-IP, C-IT, or E concrete conforming to standard spec 501 for deck preparation, full-depth deck repair, curb repair and joint repair areas except as follows:

1. The contractor may increase slump of grade E concrete to 3 inches.
2. The contractor may use ready-mixed concrete.

C Construction

C.1 Neat Cement

Immediately before placing the concrete deck patching, coat the prepared surfaces with a neat cement mixture. Ensure the prepared concrete surfaces are moist without any standing water before coating with the neat cement mixture. Brush the neat cement mixture over the prepared concrete surfaces to ensure that all parts receive an even coating, and do not allow excess neat cement to collect in pockets. Apply the neat cement at a rate that ensures the cement does not dry out before being covered with the new concrete.

C.2 Placing Concrete

Place concrete conforming to standard spec 509. As determined by the engineer, consolidate smaller areas by internal vibration, strike them off, and finish the areas with hand floats to produce plane surfaces that conform to the grade and elevation of the adjoining surfaces. Give all deck patching areas a final hand float finish.

C.3 Curing Concrete

Cure the concrete masonry deck patching conforming to standard spec 502.2.6(1).

D Measurement

The department will measure the Concrete Masonry Deck Repair bid item by the cubic yard, acceptably completed.

The department will measure concrete used in deck preparation areas and in full depth deck, curb, and joint repair as part of the Concrete Masonry Deck Repair bid item.

The department will not measure wasted concrete.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
509.2100.S	Concrete Masonry Deck Repair	CY

Payment is full compensation for furnishing, hauling, preparing, placing, finishing, curing, and protecting all materials.

stp-509-060 (20170615)

34. Polymer Overlay, Item 509.5100.S.

A Description

This special provision describes providing two layers of a two-component polymer overlay system to the bridge decks the plans show.

B Materials

B.1 General

Furnish materials specifically designed for use over concrete bridge decks. Furnish polymer liquid binders from the department's approved product list.

B.2 Polymer Resin

Furnish a polymer resin base and hardener composed of two-component, 100 percent solids, 100 percent reactive, thermosetting compound with the following properties:

Property	Requirements	Test Method
Gel Time ^[1]	15 - 45 minutes @ 73° to 75° F	ASTM C881
Viscosity ^[1]	7 - 70 poises	ASTM D2393, Brookfield RVT, Spindle No. 3, 20 rpm
Shore D Hardness ^[2]	60-75	ASTM D2240
Absorption ^[2]	1% maximum at 24 hr	ASTM D570
Tensile Elongation ^[2]	30% - 70% @ 7 days	ASTM D638
Tensile Strength ^[2]	2000 to 5000 psi @ 7 days	ASTM D638
Chloride Permeability ^[2]	<100 coulombs @ 28 days	AASHTO T277

^[1] Uncured, mixed polymer binder

^[2] Cured, mixed polymer binder

Ensure that the polymer resin when mixed with aggregate has the following properties:

Property	Requirement ^[1]	Test Method
Minimum Compressive Strength	1,000 psi @ 8 hrs 5,000 psi @ 24 hrs	ASTM C579 Method B, Modified ^[2]
Thermal Compatibility	No Delaminations	ASTM C884
Minimum Pull-off Strength	250 psi @ 24 hrs	ASTM C1583

^[1] Based on samples cured or aged and tested at 75°F

^[2] Plastic inserts that will provide 2-inch by 2-inch cubes shall be placed in the oversized brass molds.

B.3 Aggregates

Furnish natural or synthetic aggregate that is non-polishing; clean; free of surface moisture; fractured or angular in shape; free from silt, clay, asphalt, or other organic materials; and conform to the following:

Aggregate Properties

Property	Requirement	Test Method
Moisture Content ^[1]	1/2 of the measured aggregate absorption, %	ASTM C566
Hardness	≥6.5	Mohs Scale
Fractured Faces	100% with at least 1 fractured face & 80% with at least 2 fractured faces of material retained on No.16	ASTM D5821
Absorption	≤1%	ASTM C128

^[1] Sampled and tested by the department before placement.

Gradation

Sieve Size	% Passing by Weight
No. 4	100
No. 8	30 – 75
No. 16	0 – 5
No. 30	0 – 1

B.4 Approval of Bridge Deck Polymer Overlay System

A minimum of 20 working days before application, submit product data sheets and specifications from the manufacturer, and a certified report of test or analysis from an independent laboratory to the engineer for approval. The department will sample and test the aggregates for gradation and moisture content before placement. If requested, supply the department with samples of the polymer for the purpose of acceptance testing.

B.4.1 Product Data Sheets and Specifications

Product data sheets and specifications from the manufacture consists of literature from the manufacturer showing general instructions, application recommendations/methods, product properties, general instructions, or any other applicable information.

B.4.2 Certified Report of Test or Analysis

Conform to the following:

Polymer Binder: Submit a certified report of test or analysis from an independent laboratory dated less than 3 years before the date of the project letting showing the polymer binder meets the requirements of section B.2.

Aggregates: Submit a certified report of test or analysis from an independent laboratory dated less than 6 months before the date of the project letting showing the aggregates meet the requirements of section B.3.

C Construction

C.1 General

Ensure that the overlay system is 1/4 inch thick or thicker.

Conform to the following:

Field Review: Conduct a field review of the existing deck to identify any possible surface preparation and material compatibility issues.

Pre-Installation Meeting: Conduct a pre-installation meeting with the manufacturer's representative and the engineer before construction. Discuss the field review findings, verification testing of the surface preparation and establish procedures for maintaining optimum working conditions and coordination of work. Furnish the engineer a copy of the recommended procedures and apply the overlay system according to the manufacturer's instructions. Supply for the engineer's use for the duration of the project, a Concrete Surface Profile (CSP) chip set of 10 from the International Concrete Repair Institute (ICRI).

Manufacturer's Representative: An experienced manufacturer's representative familiar with the overlay system installation procedures shall be present at all times during surface preparation and overlay placement to provide quality assurance that the work is being performed properly. This requirement may be reduced at the engineer's discretion.

Material Storage: Store and handle materials according to the manufacturer's recommendations. Store resin materials in their original containers in a dry area. Store all aggregates in a dry environment and protect aggregates from contaminants on the job site.

C.2 Deck Preparation

C.2.1 Deck Repair

Remove all asphaltic patches and unsound or disintegrated areas of the concrete decks as the plans show, or as the engineer directs. Work performed to repair the concrete deck will be paid for under other items. Ensure that products used for deck patching are compatible with the polymer overlay system.

NOTE: Some polymer systems require concrete patch material to be in place a minimum of 28-days before overlaying - contact polymer manufacturer before completing deck patching/repair.

C.2.2 Surface Preparation

Determine an acceptable shotblasting machine operation (size of shot, flow of shot, forward speed, and/or number of passes) that provides a surface profile meeting CSP 5 (medium-heavy shotblast) according to the ICRI Technical Guideline No. 310.2. If the engineer requires additional verification of the surface preparation, test the tensile bond strength according to ASTM C1593. The surface preparation will be considered acceptable if the tensile bond strength is greater than or equal to 250 psi or the failure area at a depth of 1/4 inches or more is greater than 50 percent of the test area. Continue adjustment of the shotblasting machine and necessary testing until the surface is acceptable to the engineer or a passing test result is obtained.

Prepare the entire deck using the final accepted adjustments to the shotblasting machine as determined above. Thoroughly blast clean with hand-held equipment any areas inaccessible by the shotblasting equipment. Do not perform surface preparation more than 24 hours before the application of the overlay system.

Protect drains, expansion joints, access hatches, or other appurtenances on the deck from damage by the shot and sandblasting operations and from materials adhering and entering. Tape or form all construction joints to provide a clean straight edge.

Before shot blasting, remove pavement markings within the treatment area using an approved mechanical or blasting method.

Prepare the vertical concrete surfaces adjacent to the deck a minimum of 2" above the overlay according to SSPC-SP 13 (free of contaminants, dust, and loose concrete) by sandblasting, using wire wheels, or other approved method.

Just before overlay placement, clean all dust, debris, and concrete fines from the prepared surfaces including the vertical surfaces with compressed air. When using compressed air, the air stream must be free of oil. Any grease, oil, or other foreign matter that rests on or has absorbed into the concrete shall be removed completely. If prepared surfaces (including the first layer of the polymer overlay) are exposed to rain or dew, lightly sandblast (brush/breeze blast) the exposed surfaces.

The engineer may consider alternate surface preparation methods per the overlay system manufacturer's recommendations. The engineer will approve the final surface profile and deck cleanliness before the contractor placing the polymer overlay.

C.2.3 Transitional Area

If the plans show, create a transitional area approaching transverse expansion joints and ends of the deck using an approved mechanical or blasting method. Remove 1/4 inch to 5/16 inch of concrete adjacent to the joint or end of deck and taper a distance of 3 feet.

If the plans show, create a transitional area on the approach pavement. Prep and place the first lift 3 feet beyond the end of the deck the same width as the deck. Prep and place the second lift 6 feet beyond the end of the deck the same width as the deck.

C.3 Overlay Application

Perform the handling and mixing of the polymer resin and hardening agent in a safe manner to achieve the desired results according to the manufacturer's instructions. Do not apply the overlay system if any of the following exists:

1. Ambient air temperature is below 50 F or above 100 F.
2. Deck temperature is below 50 F.
3. Moisture content in the deck exceeds 4.5 percent when measured by an electronic moisture meter or shows visible moisture after 2 hours when measured according to ASTM D4263.
4. Rain is forecasted during the minimum curing periods listed under C.5.
5. Materials component temperatures below 65 F or above 99 F.
6. Concrete age is less than 28 days unless approved by the engineer.
7. The deck temperature exceeds 100 F.
8. If the gel time is 10 minutes or less at the predicted high air temperature for the day.

After the deck has been shotblasted or during the overlay curing period, only necessary surface preparation and overlay application equipment will be allowed on the deck. Provide appropriate protective measures to prevent contamination from equipment allowed on the deck during preparation and application operations. Begin overlay placement as soon as possible after surface preparation operations.

The polymer overlay shall consist of a two-course application of polymer and aggregate. Each of the two courses shall consist of a layer of polymer covered with a layer of aggregate in sufficient quantity to completely cover the polymer. Apply the polymer and aggregate according to the manufacturer's requirements. Apply the overlay using equipment designed for this purpose. The application machine shall feature positive displacement volumetric metering and be capable of storing and mixing the polymer resins at the proper mix ratio. Disperse the aggregate using a method that provides a uniform, consistent coverage of aggregate and minimizes aggregate rolling or bouncing into final position. First course applications that do not receive enough aggregate before the polymer gels shall be removed and replaced. A second course applied with insufficient aggregate may be left in place but will require additional applications before opening to traffic.

After completion of each course, cure the overlay according to the manufacturer's instructions. Follow the minimum cure times listed under C.5 or as prescribed by the manufacturer. Remove the excess aggregate from the surface treatment by sweeping, blowing, or vacuuming without tearing or damaging the surface; the material may be re-used if approved by the engineer and manufacturer. Apply all courses of the overlay system before opening the area to traffic. Do not allow equipment or traffic on the treated area until directed by the engineer.

After the first layer of coating has cured to the point where the aggregate cannot be pulled out, apply the second layer. Before applying the second layer, broom and blow off the first layer with compressed air to remove all loose excess aggregate.

Before opening to traffic, clean expansion joints and joint seals of all debris and polymer. A minimum of 3 days following opening to traffic, remove loosened aggregates from the deck, expansion joints, and approach pavement.

C.4 Application Rates

Apply the polymer overlay in two separate courses according to the manufacturer's instructions, but not less than the following rate of application.

Course	Minimum Polymer Rate ^[1] (GAL/100 SF)	Aggregate ^[2] (LBS/SY)
1	2.5	10+
2	5.0	14+

^[1] The minimum total applications rate is 7.5 GAL/100 SF.

^[2] Application of aggregate shall be of sufficient quantity to completely cover the polymer.

C.5 Minimum Curing Periods

As a minimum, cure the coating as follows:

Course	Average temperature of deck, polymer and aggregate components in degrees F							
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99
1	6 hrs.	5 hrs.	4 hrs.	3 hrs.	2.5 hrs	2 hrs	1.5 hrs.	1 hr.
2	8 hrs.	6.5 hrs.	6.5 hrs.	5 hrs.	4 hrs.	3 hrs.	3 hrs.	3 hrs.

If faster cure times are desired and achievable, submit to the engineer a certified test report from an independent laboratory showing the material is able to reach a compressive strength of 1000 psi as tested per ASTM C 579 Method B within the temperature ranges and cure times for which the product is proposed to be placed. Establish ambient air, material, and substrate temperatures from the manufacturer for field applications. Field applications will not be allowed below the documented temperatures.

C.6 Repair of Polymer Overlay

Repair all areas of unbonded, uncured, or damaged polymer overlay for no additional compensation. Submit repair procedures from the manufacturer to the engineer for approval. Absent a manufacturer's repair procedures and with the approval of the engineer, complete repairs according to the following: Saw cut the limits of the area to the top of the concrete; remove the overlay by scarifying, grinding, or other approved methods; shot blast or sandblast and air blast the concrete before placement of polymer overlay; and place the polymer overlay according to section C.3.

D Measurement

The department will measure Polymer Overlay 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
509.5100.S	Polymer Overlay	SY

Payment is full compensation for preparing the surface; for tensile bond testing; for creating the transitional area; for providing the overlay; for cleanup; and for sweeping/vacuuming and disposing of excess materials.

The department will pay separately for Concrete Deck Repair.

stp-509-030 (20170615)

35. **Removing Concrete Masonry Deck Overlay B-64-105, Item 509.9005.S.0010;
 Removing Concrete Masonry Deck Overlay B-64-106, Item 509.9005.S.0020;
 Removing Concrete Masonry Deck Overlay B-64-108, Item 509.9005.S.0030;
 Removing Concrete Masonry Deck Overlay B-64-109, Item 509.9005.S.0040;
 Removing Concrete Masonry Deck Overlay B-64-127, Item 509.9005.S.0050;
 Removing Concrete Masonry Deck Overlay B-64-116, Item 509.9005.S.0060;
 Removing Concrete Masonry Deck Overlay B-64-117, Item 509.9005.S.0070;
 Removing Concrete Masonry Deck Overlay B-64-125, Item 509.9005.S.0080.**

A Description

This special provision describes removing concrete bridge deck overlays by milling the entire bridge deck as the plans show.

Conform to standard spec 204 as modified in this special provision.

B (Vacant)

C Construction

C.1 Milling

Use a self-propelled milling machine that is specially designed and constructed for milling bridge decks. It shall mill without tearing or gouging the concrete masonry underlying the deck overlay. The machine shall consist of a cutting drum with carbide or diamond tip teeth. Space the teeth on the drum to mill a surface finish that is acceptable to the engineer.

Shroud the machine to prevent discharge of any loosened material into adjacent work areas or live traffic lanes. Equip the machine with electronic devices that provide accurate depth, grade and slope control, and an acceptable dust control system.

Perform milling in a manner that precludes damage to the bridge floor and results in a uniform textured finish that:

1. Is free of sharp protrusions;
2. Has uniform transverse grooves that measure up to 1/4 inch vertically and transversely; and
3. If applicable, is acceptable to the manufacturer of the sheet waterproof membrane.

Windrowing and storing of the removed milled concrete masonry on the bridge is only permitted in connection with the continuous removal and pick-up operation. During nonworking hours, clear the bridge of all materials and equipment.

D Measurement

The department will measure Removing Concrete Masonry Deck Overlay (Structure) in area 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
509.9005.S.0010	Removing Concrete Masonry Deck Overlay B-64-105	SY
509.9005.S.0020	Removing Concrete Masonry Deck Overlay B-64-106	SY
509.9005.S.0030	Removing Concrete Masonry Deck Overlay B-64-108	SY
509.9005.S.0040	Removing Concrete Masonry Deck Overlay B-64-109	SY
509.9005.S.0050	Removing Concrete Masonry Deck Overlay B-64-127	SY
509.9005.S.0060	Removing Concrete Masonry Deck Overlay B-64-116	SY
509.9005.S.0070	Removing Concrete Masonry Deck Overlay B-64-117	SY
509.9005.S.0080	Removing Concrete Masonry Deck Overlay B-64-125	SY

Payment is full compensation for removing the concrete masonry; and for properly disposing of all materials.

stp-509-005 (20171130)

36. Structure Repainting General.

A General

A.1 Inspection

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

A.2 Date Painted

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

A.3 Graffiti Removal

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

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

B (Vacant)

C Construction

C.1 Repainting Methods

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

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

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

C.2 Inspection

Add the following to standard spec 105.9:

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

stp-517-005 (20150630)

37. Preparation and Coating of Top Flanges B-64-63, Item 517.0900.S.0010; Preparation and Coating of Top Flanges B-64-64, Item 517.0900.S.0020; Preparation and Coating of Top Flanges B-64-126, Item 517.0900.S.0030.

A Description

This special provision describes thoroughly cleaning and coating the top surface and edges of the top flanges, removing loose paint, rust, mill scale, dirt, oil, grease, or other foreign substances until the specified finish is obtained.

B (Vacant)

C Construction

For top flanges and edges that have no paint on them and according to the department's Pre-Qualified Paint Systems for Structure Overcoating Cleaning and Priming, clean the top surface and edges of the top flanges and paint them with one coat of an approved zinc rich primer. Paint for Solvent Cleaning for Overcoat-minimum Cleaning (SP-1) is not allowed.

For top flanges and edges that have paint on them and according to the department's Pre-Qualified Paint Systems for Structure Overcoating Cleaning and Priming, clean all areas of rust and loose paint on the top surface and edges of the top flanges. Wash the top surface and edges of the top flanges and paint them with one coat of an approved zinc-rich primer according to paint manufacturer's recommendations. If flash rusting occurs before the application of the primer, stop painting application, remove the flash rusting and paint cleaned surface. Paint for Solvent Cleaning for Overcoat-minimum Cleaning (SP-1) is not allowed.

Where plans call for the cleaning of other painted structural steel including hanger assemblies, bearings, field splices, and connections, clean areas of loose paint and rust according to the department's Pre-Qualified Paint Systems for Structure Overcoating Cleaning and Priming, or and according to paint manufacture's cleaning recommendations. Sound paint need not be removed with the exception of an area 12 inch on either side of hanger assembly centerlines. Clean this area to base metal according to the paint manufacture's cleaning recommendations and paint them one coat of an approved zinc-rich primer according to paint manufacture's recommendations. Paint for Solvent Cleaning for Overcoat-minimum Cleaning (SP-1) is not allowed.

For areas of exposed steel members that are to be imbedded in new concrete and according to the department's Pre-Qualified Paint Systems for Structure Overcoating Cleaning and Priming, thoroughly clean the surface area of exposed steel members that are to be imbedded in the new concrete and solvent wash and paint one coat of an approved zinc rich primer according to paint manufacture's recommendations to these areas. Paint for Solvent Cleaning for Overcoat-minimum Cleaning (SP-1) is not allowed.

According to the approved project specific hazardous material containment plan, furnish and erect tarpaulins or other materials to collect all of the spent paint containing material resulting from blasting or hand and power tool cleaning and coating. Minimize dust during all clean-up activities. Collect and store waste material at the end of each work day or more often if needed. Store waste materials in the hazardous waste containers provided. Lock and secure all waste containers at the end of each work day. Cover containers at all times except when adding or removing 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. Transportation and disposal of such waste material will be the responsibility of the department.

Damage to existing painted surfaces as a result of construction operations, shall be restored to the approval of the engineer at the contractor's expense.

D Measurement

The department will measure Preparation and Coating of Top Flanges (Structure) as a single complete lump sum unit of work for the structure, completed according to the contract and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
517.0900.S.0010	Preparation and Coating of Top Flanges B-64-63	LS
517.0900.S.0020	Preparation and Coating of Top Flanges B-64-64	LS
517.0900.S.0030	Preparation and Coating of Top Flanges B-64-126	LS

Payment is full compensation for preparing and cleaning the designated surfaces; and for furnishing and applying the coating.

stp-517-010 (20140630)

- 38. Structure Repainting Recycled Abrasive B-64-63, Item 517.1800.S.0010;**
- Structure Repainting Recycled Abrasive B-64-64, Item 517.1800.S.0020;**
- Structure Repainting Recycled Abrasive B-64-105, Item 517.1800.S.0030;**
- Structure Repainting Recycled Abrasive B-64-106, Item 517.1800.S.0040;**
- Structure Repainting Recycled Abrasive B-64-109, Item 517.1800.S.0050;**
- Structure Repainting Recycled Abrasive B-64-120, Item 517.1800.S.0060;**
- Structure Repainting Recycled Abrasive B-64-126, Item 517.1800.S.0070;**
- Structure Repainting Recycled Abrasive B-64-127, Item 517.1800.S.0080;**
- Structure Repainting Recycled Abrasive B-64-128, Item 517.1800.S.0090;**
- Structure Repainting Recycled Abrasive B-64-132, Item 517.1800.S.0100.**

A Description

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

A.1 Areas to be Cleaned and Painted

All structural metal surfaces of:

1. Structure B-64-63: 23,429 SF
2. Structure B-64-64: 23,429 SF
3. Structure B-64-105: 20,568 SF
4. Structure B-64-106: 20,746 SF
5. Structure B-64-109: 36,710 SF
6. Structure B-64-120: 37,149 SF
7. Structure B-64-126: 22,943 SF
8. Structure B-64-127: 24,448 SF
9. Structure B-64-128: 16,420 SF
10. Structure B-64-132: 15,098 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 the plans show according to Federal Standard Number 595. 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 before any application of paint.

C Construction

C.1 Surface Preparation

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

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

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

Apply the prime coat the same day that the metal surfaces receive the No. 10 blast or re-blast before application. Cleaned surfaces shall be of the specified condition immediately before paint application. If rust bloom occurs before 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 before applying the primer.

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

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

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

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

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

C.2 Coating Application

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

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

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

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

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

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

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

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

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

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

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

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

D Measurement

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

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
517.1800.S.0010	Structure Repainting Recycled Abrasive B-64-63	LS
517.1800.S.0020	Structure Repainting Recycled Abrasive B-64-64	LS
517.1800.S.0030	Structure Repainting Recycled Abrasive B-64-105	LS
517.1800.S.0040	Structure Repainting Recycled Abrasive B-64-106	LS
517.1800.S.0050	Structure Repainting Recycled Abrasive B-64-109	LS
517.1800.S.0060	Structure Repainting Recycled Abrasive B-64-120	LS
517.1800.S.0070	Structure Repainting Recycled Abrasive B-64-126	LS
517.1800.S.0080	Structure Repainting Recycled Abrasive B-64-127	LS
517.1800.S.0090	Structure Repainting Recycled Abrasive B-64-128	LS
517.1800.S.0100	Structure Repainting Recycled Abrasive B-64-132	LS

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

stp-517-050 (20190618)

39. **Structure Overcoating Cleaning and Priming B-64-116, Item 517.3000.S.0010; Structure Overcoating Cleaning and Priming B-64-117, Item 517.3000.S.0020.**

A Description

This special provision describes cleaning and painting with two or three coats of paint the metal surfaces.

A.1 Areas to be Cleaned and Painted

Structure B-64-116

1. Two Coat Area: 2,400 SF with SP 1 cleaning.
2. Three Coat Area: 700 SF with SP 3 cleaning.

Structure B-64-117

1. Two Coat Area: 2,400 SF with SP 1 cleaning.
2. Three Coat Area: 700 SF with SP 3 cleaning.

B Materials

Furnish an epoxy coating system from the department's APL for Paint- structure maintenance.

C Construction

C.1 Surface Preparation

Before overcoating or power tool cleaning, solvent clean all surfaces to be coated according to SSPC-SP1. A SSPC-SP 3 power Tool Cleaning according to Steel Structures Painting Council Specification 3 will be required on all metal surfaces to be painted with a three-coat system. Prime the same day, or re-clean before application, all metal surfaces receiving a No. 3 cleaning.

Remove all abrasive or paint residue from steel surfaces with a High Efficiency Particulate Abatement (HEPA-VAC) vacuum cleaner equipped with a brush-type cleaning tool, or by double blowing. If the double blowing method is used, vacuum the exposed top surfaces of all structural steel, including flanges, longitudinal stiffeners, splices, plates, and hangers, after the double blowing operations are completed. The air line used for blowing the steel clean shall have an inline water trap and the air shall be free of oil and water as it leaves the air line.

Take care to protect freshly coated surfaces from subsequent cleaning operations. Thoroughly wire brush damaged primed surfaces with a non-rusting tool. Clean and re-prime the brushed surfaces within the time recommended by the manufacturer.

C.2 Painting

Paint by applying two or three coats of an approved coating system as specified herein to the surfaces as described in A.1 from the department's approved products list.

C.3 Coating Application

Apply paint in a neat, workmanlike manner. The resultant paint film shall be smooth and uniform without skips or areas of excessive paint. Apply coating according to the manufacturer's recommendations.

Before applying the prime coat, coat with primer all edges, rivet and bolt heads, nuts and washers by using either a brush, roller, or spray application.

Dry Film Thickness per coat shall be a minimum of 3-mil. The dry film thickness shall be determined by use of a magnetic film thickness gage. The gage shall be calibrated for dry film thickness measurement according to SSPC-PA 2.

During surface preparation and coating application, the ambient and steel temperature shall be between 39 and 100 degrees F. The steel temperature shall be at least 5 degrees F above the dew point temperature, and the relative humidity shall not exceed 85%.

D Measurement

The department will measure Structure Overcoating Cleaning and Priming (Structure), completed according to the contract and accepted, as a single complete unit of work.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
517.3000.S.0010	Structure Overcoating Cleaning and Priming B-64-116	LS
517.3000.S.0020	Structure Overcoating Cleaning and Priming B-64-117	LS

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

stp-517-036 (20181119)

40. **Containment and Collection of Waste Materials B-64-116, Item 517.4000.S.0010; Containment and Collection of Waste Materials B-64-117, Item 517.4000.S.0020.**

A Description

This special provision describes furnishing and erecting tarpaulins to contain, collect and store the spent material from surface preparation of steel surfaces, collecting such spent material, and labeling and storing the spent material in waste containers.

B Materials

Provide 5-gallon lidded plastic containers for containing the spent material.

C Construction

Erect tarpaulins or other materials to collect all of the spent material from power tool cleaning. Consider and treat all spent material as hazardous waste because it contains lead.

Collect and store all waste material collected by this operation at the bridge site for disposal. Collect and store all waste materials at the end of each workday or more often if needed. Store materials in 5-gallon lidded plastic containers.

Label each container with the date the first waste was placed in the container and the words "Hazardous Waste – EPA Waste Code D008." Lock and 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.

Collect the spent debris by vacuuming, shoveling, sweeping, or by channeling it directly to disposal containers. The enclosure shall be thoroughly cleaned at the end of each work day.

D Measurement

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

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
517.4000.S	Containment and Collection of Waste Materials B-64-116	LS
517.4000.S	Containment and Collection of Waste Materials B-64-117	LS

Payment is full compensation for designing, erecting, operating, maintaining and disassembling the containment devices; collecting, labeling and storing spent materials in appropriate containers.

stp-517-037 (20080902)

41. Labeling and Disposal of Waste Material.

The EPA ID numbers are as follows:

Structures B-64-63 and B-64-64 is WIR000169706

Structures B-64-105 and B-64-106 is WIR000169714

Structure B-64-109 is WIR000169722

Structure B-64-120 is WIR000169730

Structure B-64-126 and B-64-127 is WIR000169748

Structure B-64-128 is WIR000169755

Structure B-64-132 is WIR000169763

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.

Contact the waste management contractor a minimum of 10 working days in advance to request container drop-off or pick-up. Provide the waste management contractor with the project ID, structure number, EPA ID, and the agreed-upon location for container staging. Contact information for the waste management contractor is located on the WisDOT Internet site at

<https://wisconsindot.gov/Documents/doing-bus/eng-consultants/cnslt-rsrcs/environment/hazwaste-contacts.pdf>.

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

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

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

HAZARDOUS WASTE

WW-5257580999-001-01-0

STORAGE LABEL

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 ID # 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.

stp-517-055 (20190618)

42. **Negative Pressure Containment and Collection of Waste Materials, B-64-63, Item 517.4500.S.0010;**
Negative Pressure Containment and Collection of Waste Materials, B-64-64, Item 517.4500.S.0020;
Negative Pressure Containment and Collection of Waste Materials, B-64-105, Item 517.4500.S.0030;
Negative Pressure Containment and Collection of Waste Materials, B-64-106, Item 517.4500.S.0040;
Negative Pressure Containment and Collection of Waste Materials, B-64-109, Item 517.4500.S.0050;
Negative Pressure Containment and Collection of Waste Materials, B-64-120, Item 517.4500.S.0060;
Negative Pressure Containment and Collection of Waste Materials, B-64-126, Item 517.4500.S.0070;
Negative Pressure Containment and Collection of Waste Materials, B-64-127, Item 517.4500.S.0080;
Negative Pressure Containment and Collection of Waste Materials, B-64-128, Item 517.4500.S.0090;
Negative Pressure Containment and Collection of Waste Materials, B-64-132, Item 517.4500.S.0100.

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 labeling and storing waste material in approved hazardous waste containers.

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 before operations or as approved by the engineer.

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

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

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

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

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

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

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

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

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

D Measurement

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

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
517.4500.S.0010	Negative Pressure Containment and Collection of Waste Materials B-64-63	LS
517.4500.S.0020	Negative Pressure Containment and Collection of Waste Materials B-64-64	LS
517.4500.S.0030	Negative Pressure Containment and Collection of Waste Materials B-64-105	LS
517.4500.S.0040	Negative Pressure Containment and Collection of Waste Materials B-64-106	LS
517.4500.S.0050	Negative Pressure Containment and Collection of Waste Materials B-64-109	LS
517.4500.S.0060	Negative Pressure Containment and Collection of Waste Materials B-64-120	LS
517.4500.S.0070	Negative Pressure Containment and Collection of Waste Materials B-64-126	LS
517.4500.S.0080	Negative Pressure Containment and Collection of Waste Materials B-64-127	LS
517.4500.S.0090	Negative Pressure Containment and Collection of Waste Materials B-64-128	LS
517.4500.S.0100	Negative Pressure Containment and Collection of Waste Materials B-64-132	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.

stp-517-065 (20140630)

43. 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.

B Materials

Supply and operate all equipment according to OSHA.

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

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

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

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

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

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

C Construction

Properly contain, store, and dispose of the wastewater.

D Measurement

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

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
517.6001.S	Portable Decontamination Facility	EACH

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

stp-517-060 (20140630)

44. Cleaning Culvert Pipes

Replace standard spec 520.5.1.4 with the following:

Payment for Cleaning Culvert Pipes is full compensation for cleaning the culvert pipe, grading the ditch to drain, and for disposing of excess material.

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

A Description

This special provision describes providing crushed aggregate slope paving where erosion has occurred.

Conform to standard spec 604 as modified in this special provision.

B Materials

Furnish materials conforming to standard spec 604.2.

C Construction

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

- (1) 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 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.

stp-604-010 (20100709)

46. Reseal Crushed Aggregate Slope Paving, Item 604.9015.S.

A Description

This special provision describes sealing existing crushed aggregate slope paving as the engineer directs and conforming to standard spec 604as modified in this special provision.

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 2 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.

stp-604-015 (20100709)

47. Pipe Grates, Item 611.9800.S.

A Description

This special provision describes providing pipe grates on the ends of pipes.

B Materials

Furnish steel conforming to the requirements of standard spec 506.2.2.1. Furnish steel pipe conforming to the requirements of standard spec 506.2.3.6.

Furnish pipe grates galvanized according to ASTM A123.

Furnish angles and brackets galvanized according to ASTM A123.

Furnish required hardware galvanized according to ASTM A153.

C Construction

Repair pipes, rods, angles and brackets on which the galvanized coating has been damaged according to the requirements of AASHTO M36M.

D Measurement

The department will measure Pipe Grates in units of work, where one unit is one grate, completed 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
611.9800.S	Pipe Grates	EACH

Payment is full compensation for furnishing and installing all materials; and for drilling and connecting grates to pipes.

stp-611-010 (20030820)

48. Guardrail Mow Strips.

Replace standard spec 614.5.7 with the following:

Payment for the Guardrail Mow Strip bid items is full compensation for removing any debris or weeds from between the posts, providing the paved strip adjacent to the guardrail installation; for concrete, asphaltic surface material, or emulsified asphalt; and for controlled low-strength backfill including mix design and testing.

49. Fence Track Clearance, Item 616.0800.S.

A Description

This special provision describes providing plastic fence at locations the plans show.

B Materials

Provide notched conventional metal "T" or "U" shaped fence posts.

Provide fence fabric that meets the following requirements:

Color:	International Orange (UV stabilized)
Roll Height:	4 feet
Mesh Opening:	1 inch min to 3 inch max
Resin/Construction:	High density polyethylene diamond mesh
Service Temperature:	-60° F to 200° F (ASTM D648)
Tensile Yield:	Avg. 2000 lbs per 4 ft width (ASTM D638)
Ultimate Yield:	Avg. 2900 lbs per 4 ft width (ASTM D638)
Elongation at Break (%):	Greater than 100% (ASTM D638)
Chemical Resistance:	Inert to most chemicals and acids

C Construction

C.1 Track Clearance Fences

Erect track clearance fences before construction work 15 feet from the centerline of the track and on both sides of the track running continuously from the points located 100 feet beyond the edges of overpass structures.

Before driving posts, arrange with the railroad company and utility owners to have any buried signal cable, fiber optic lines or other underground facilities located and marked where the fence is to be placed. Place the posts to avoid underground facilities.

Drive posts into the ground 12 to 18 inches, and space posts at 7.0 feet. Secure the fence at each post with a minimum of three wire ties. Weave tension wire through the top row of strands to provide a top stringer to prevent sagging.

Overlap two rolls at a post and secure with wire ties.

Where buried facilities or subsurface conditions do not permit driving posts, support posts by some other means that will provide stability comparable to driven posts.

D Measurement

The department will measure Fence Track Clearance in length by the linear feet along the base of the fence, center to center of posts.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
616.0800.S	Fence Track Clearance	LF

Payment is full compensation for underground facility locating and marking services by the railroad and utility owners; furnishing and installing fence and posts; maintaining the fence and posts in satisfactory condition at all times; and for removing and disposing of fence and posts at the completion of the project.

stp-616-050 (20050502)

50. Sign Supports Concrete Masonry

Add the following to standard spec 636.3.2:

- (3) Drill or excavate and maintain a stable open excavation for subsequent installation of drilled footings for sign structure foundations as the plans show. The subsurface conditions vary across the project site and are not necessarily the same at each sign structure foundation in the project. Anticipate the possibility of encountering randomly interlaced seams of loose, permeable sand or gravel of substantial thickness situated within glacial clays and till deposits; saturated soils; ground water; isolated cobbles or boulders; and nested cobbles and boulders at any sign structure foundation when selecting equipment and methods for drilling or otherwise excavating. Partial or full depth temporary casing may be required to maintain the stability of the excavation before placement of reinforcement and filling the excavation with concrete.

Add the following to standard spec 636.3.3:

- (8) For drilled foundations, no more than 3 inches of standing water is allowed in the bottom of the drilled excavation within a timeframe acceptable to the engineer before placing concrete masonry in the excavation.

Replace standard spec 636.5(2) with the following:

- (1) Payment for Sign Supports Concrete Masonry is full compensation for providing, transporting, placing and curing the concrete; for providing and removing casing if applicable; for providing required ground rods; for all required excavating; for placing post stubs or anchor bolts, and for providing and placing electrical conduit if required; for pumping of ground water seepage if applicable; for cleaning-up, repairing damage, and for disposing of excavation and surplus materials.

sef-636-005 (20170310)

51. 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.

Supplement standard spec 637.2.4 with the following:

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

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

Use beams a minimum of 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 637.3.3.2(2) with the following:

(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.

Supplement standard spec 637.3.3.3(3) with the following:

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

Add the following to standard spec 641.2:

Submit shop drawings for sign bridges and overhead sign supports to SE Region Traffic Operations Engineer, Tom Heydel and Bureau of Structures Design.

SER-637-001 (20170621)

52. Blue Specific Service Signs.

Add the following to standard spec 638.3.4:

Do not remove or move blue specific service signs or their associated posts. Specific service signs are signs with logos that identify commercial entities providing gas, food, lodging, camping, or attractions. A separate contractor, Interstate Logos - Wisconsin, is responsible for these signs. Contact Interstate Logos - Wisconsin at (844) 496-9163 a minimum of 14 calendar days in advance to coordinate removing, moving, or re-installation of these signs.

The contractor is responsible for damage done to these signs due to contractor operations.

stp-638-010 (20150630)

53. Covering Signs.

Replace standard spec 643.2.3.3(2) with the following:

(2) Ensure that covers are flat black, blank, and opaque.

Add the following to standard spec 643.3.4.1 as paragraph four:

(4) If multiple messages on a single sign are required to be covered, minimize the number of holes created by covering the sign with a single rectangular shaped covering. Multiple coverings on a single sign is only permissible where necessary to avoid covering necessary content or as directed by the engineer. Submit sign covering plans to the engineer for single signs requiring multiple coverings 3 days before performing work. Obtain engineer approval before covering signs. Remove sign coverings before placing fixed messages signs unless otherwise directed by the engineer.

sef-643-005 (20180104)

54. Nighttime Work Lighting-Stationary.

A Description

This special provision describes furnishing portable lighting as necessary to complete nighttime work. Nighttime operations consist of work specifically scheduled to occur after sunset and before sunrise.

B (Vacant)

C Construction

C.1 General

This provision shall apply when providing, maintaining, moving, and removing portable light towers and equipment-mounted lighting fixtures for nighttime stationary work operations, for the duration of nighttime work on the contract.

At least 14 days before the nighttime work, furnish a lighting plan to the engineer for review and acceptance. Address the following in the plan:

1. Layout, including location of portable lighting – lateral placement, height, and spacing. Clearly show on the layout the location of all lights necessary for every aspect of work to be done at night.
2. Specifications, brochures, and technical data of all lighting equipment to be used.
3. The details on how the luminaires will be attached.
4. Electrical power source information.
5. Details on the louvers, shields, or methods to be employed to reduce glare.
6. Lighting calculations. Provide illumination with average to minimum uniformity ratio of 5:1 or less throughout the work area.
7. Detail information on any other auxiliary equipment.

C.2 Portable Lighting

Provide portable lighting that is sturdy and free standing and does not require any guy wires, braces, or any other attachments. Furnish portable lighting capable of being moved as necessary to keep up with the construction project. Position the portable lighting and trailers to minimize the risk of being impacted by traffic on the roadway or by construction traffic or equipment. Provide lightning protection for the portable lighting. Portable lighting shall withstand up to 60 mph wind velocity.

If portable generators are used as a power source, furnish adequate power to operate all required lighting equipment without any interruption during the nighttime work. Provide wiring that is weatherproof and installed according to local, state, federal (NECA and OSHA) requirements. Equip all power sources with a ground-fault circuit interrupter to prevent electrical shock.

C.3 Light Level and Uniformity

Position (spacing and mounting height) the luminaires to provide illumination with an average to minimum uniformity ratio of 5:1 or less throughout the work area.

Illuminate the area as necessary to incorporate construction vehicles, equipment, and personnel activities.

C.4 Glare Control

Design, install, and operate all lighting supplied under these specifications to minimize or avoid glare that interferes with all traffic on the roadway or that causes annoyance or discomfort for properties adjoining the roadway. Locate, aim, and adjust the luminaires to provide the adequate level of illumination and the specified uniformity in the work area without the creation of objectionable glare.

Provide louvers, shields, or visors, as needed, to reduce any objectionable levels of glare. As a minimum, ensure the following requirements are met to avoid objectionable glare on the roadways open to traffic in either direction or for adjoining properties:

1. Aim tower-mounted luminaires, either parallel or perpendicular to the roadway, so as to minimize light aimed toward approaching traffic.
2. Aim all luminaires such that the center of beam axis is no greater than 60 degrees above vertical (straight down).

If lighting does not meet above-mentioned criteria, adjust the lighting within 24 hours.

C.5 Continuous Operation

Provide and have available sufficient fuel, spare lamps, generators, and qualified personnel to ensure that the lights will operate continuously during nighttime operation. In the event of any failure of the lighting system, discontinue the operation until the adequate level of illumination is restored. Move and remove lighting as necessary.

D (Vacant)

E Payment

Costs for furnishing a lighting plan, and for providing, maintaining, moving, and removing portable lighting, tower mounted lighting, and equipment-mounted lighting required under this special provision are incidental to the contract.

stp-643-010 (20100709)

55. Traffic Control Interim Lane Closure, Item 643.4100.S.

A Description

This special provision describes closing a freeway/expressway traffic lane.

B (Vacant)

C Construction

Install and reposition traffic control devices as required to close a traffic lane. Remove and return the devices to their previous configuration when the closure is no longer required.

D Measurement

The department will measure Traffic Control Interim Lane Closure as each individual reposition/return cycle, acceptably completed. The department will not measure additional moves or configuration changes as might be required solely to accommodate the contractor's operations.

The department will measure the closures by traffic lane and roadway. The department will not measure multiple closures in the same traffic lane on a project unless they are separated by at least 2 miles in the same direction of travel.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
643.4100.S	Traffic Control Interim Lane Closure	EACH

Payment is full compensation for closing and re-opening the affected traffic lane.

56. General Requirements for Electrical Work.

Replace standard spec 651.3.3 (3) with the following:

(3) Request a signal inspection of the signal installation to the project engineer after completing the Prerequisites for Underground Inspection checklist or Prerequisites for Above Ground Inspection checklist at least five working days prior to the time of the requested inspection. Notify the department's Electrical Field Unit at (414) 266-1170 to coordinate the inspection. The department's Region Electrical personnel will perform the inspection. In the event of deficiencies, request a re-inspection when the work is corrected. The engineer will not authorize continuation to aboveground work or turn-on until the contractor corrects all deficiencies.

57. Electrical Conduit.

Replace standard spec 652.5 (2) with the following:

(2) Payment for Conduit Rigid Metallic, Conduit Rigid Nonmetallic, Conduit Reinforced Thermosetting Resin, and Conduit Special bid items is full compensation for providing the conduit, conduit bodies, and fittings; for providing all conduit hangers, clips, attachments, and fittings used to support conduit on structures; for pull wires or ropes; for expansion fittings and caps; for making necessary connections into existing pull box, manhole, junction box or communication vault; for excavating, bedding, and backfilling, including any sand, concrete, or other required materials; for disposing of surplus materials; and for making inspections.

58. 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 conduit rigid non-metallic schedule 40, 2-Inch, and 1-Inch 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. Place 2" PVC pipe cap on both ends with seven 8 1/4" holes drilled in each end.

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.

59. Loop Detector Wire.

Add the following to standard spec 655.3.9:

(8) Splice loop detector wire to existing loop detector lead-in cables using cast in place splice kits from an approved manufacturer. Make splices as soon as possible after installing loop detector wire.

Replace standard spec 655.5(11) with the following:

(11) Payment for Loop Detector Wire is full compensation for furnishing and installing loop detector wire; for furnishing and installing splice kits; and for splicing to the existing loop detector lead-in cable.

60. Electrical Wiring

Replace standard spec 655.3.10 with the following:

(1) Under the Traffic Signal EVP Detector Cable bid item, provide the EVP cable and mount department furnished brackets. The department will determine the exact location to ensure that the installation does not create a sight obstruction.

(2) Ensure that the cable runs continuously without splicing from the pull box closest to the cabinet including the specified extra cable. Do not splice EVP cable from the detector assembly to the controller terminations. Provide 10 feet of extra cable at the mounting bracket and 2.5 feet extending out of the mounting bracket. Provide 10 feet of extra cable in each pull box plus an additional 20 feet at the nearest pull box to signal base where the EVP detector head is mounted.

(3) Mark each end of the lead as noted on the plan sheet. For a cabinet that is not operating the signal, the contractor will terminate the ends and install the discriminators and card rack in the cabinet. If the cabinet is operating the signal, the cabinet wiring will be done by the department.

(4) Notify the engineer upon completion of the installation at each intersection.

Replace standard spec 655.5 (12) with the following:

(12) Payment for Traffic Signal EVP Detector Cable is full compensation for providing emergency vehicle preemption detector cable and mounting the department furnished brackets; and for making all necessary connections.

61. Locate and Clean Existing Underdrain Outfalls, Item SPV.0060.005.

A Description

This special provision describes locating and cleaning of existing underdrain outfalls within the project limits.

B (Vacant)

C Construction

In areas where the shoulders are not being reconstructed as part of the project, locate and temporarily mark existing underdrain outfall locations before construction begins. Take care not to damage or cover any existing underdrain outfalls to remain after construction. Ensure all existing underdrain outfalls not in shoulder reconstruction areas are clear of any base aggregate, or other debris at the end of construction activities.

D Measurement

The department will measure Locate and Clean Existing Underdrain Outfalls as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.005	Locate and Clean Existing Underdrain Outfalls	EACH

Payment for Locate and Clean Existing Underdrain Outfalls is full compensation for locating, temporarily marking and cleaning of the outfalls and disposing of all material removed.

62. Cap Existing Underdrain, Item SPV.0060.006.

A Description

This special provision describes capping existing underdrain locations as shown in the plans.

B (Vacant)

C Construction

Thoroughly clean the ends of the underdrain pipe and seal them with a manufactured cap of an appropriate size and material to match existing or any grade of concrete specified under standard spec 501.3.1.3.

D Measurement

The department will measure Cap Existing Underdrain as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.006	Cap Existing Underdrain	EACH

Payment is full compensation for any excavation required to expose the drain tile; providing a cap; backfilling with existing material from the excavation; compacting the backfill material and restoring the site.

63. Traffic Control Interim Lane Shift, Item SPV.0060.007.

A Description

This special provision describes shifting traffic control devices on an IH 43 traffic lane.

B (Vacant)

C Construction

Install and reposition traffic control devices as required to shift a traffic lane onto the IH 43 outside shoulder for operations of diamond grinding associated with the middle 8 feet of concrete pavement or base patching/concrete pavement repair of the inside driving lanes. Return the devices to their previous configuration when the lane needs to be returned to the original configuration.

D Measurement

The department will measure Traffic Control Interim Lane Shift as each individual reposition/return cycle acceptably completed. The department will not measure additional moves or configuration changes as might be required solely to accommodate the contractor's operations.

The department will measure the shifts by traffic lane and roadway. The department will not measure multiple shifts in the same traffic lane on a project unless they are separated by at least 2 miles in the same direction of travel.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.007	Traffic Control Interim Lane Shift	EACH

Payment is full compensation for shifting and returning the traffic lane to the original configuration.

64. Traffic Control Full Freeway Closure, Item SPV. 0060.008.

A Description

This special provision describes closing and re-opening a freeway or expressway.

B (Vacant)

C Construction

Install or reposition traffic control devices required for a full freeway closure. Remove or return traffic control devices to their previous configuration when the full closure is no longer required.

D Measurement

The department will measure Traffic Control Full Freeway Closure by each individual freeway closure that is set up and later removed in each traffic direction, 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. 0060.008	Traffic Control Full Freeway Closure	EACH

Payment is full compensation for closing and re-opening the freeway. Traffic Control devices will be paid separately.

sef-643-003 (20180627)

65. Traffic Control Close-Open Freeway Service Ramp, Item SPV. 0060.009.

A Description

This special provision describes closing and re-opening service entrance or exit ramps and associated auxiliary lane and conforming to standard spec 643, the plans, and as directed by the engineer.

B (Vacant)

C Construction

Install or reposition traffic control devices required for closing a freeway service ramp. Remove or return traffic control devices to their previous configuration when the closure is no longer required. Post all ramp closures three business days in advance of their closure with dates and time of closure. Drums, barricades and signs may remain along the roadways when the ramp is open to traffic pending engineer approval to verify adequate offsets from traffic are provided. Ensure that all inappropriate signs, dates or times are not visible to traffic when the ramp is open. A deduction of one each will be made from the project total for this item for each day any inappropriate sign is visible to traffic when the ramp is open.

D Measurement

The department will measure Traffic Control Close-Open Freeway Service Ramp as each unit, acceptably completed, each time a freeway service ramp closure is setup and subsequently removed within a 24-hour period that has been authorized by the engineer.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV. 0060.009	Traffic Control Close-Open Freeway Service Ramp	EACH

Payment is full compensation for closing and later and re-opening a freeway service ramp. Traffic Control devices will be paid separately. Closure of adjacent auxiliary lanes shall be made as necessary at no additional cost to the department. Closure of a ramp not deemed necessary by the engineer shall be made at no additional cost to the department.

66. Abandon Existing Hold-Down Device, Item SPV.0060.400.

A Description

This special provision describes furnishing and installing new web doubler plates and bearing stiffener plate extensions at the girder ends after existing bearing removal as shown on the plans, and as hereinafter provided.

B Materials

Furnish carbon steel plates, and high strength steel bolts, nuts, and washers of the size and quantity on the plans that are according to the pertinent requirements of standard spec 506.

Galvanize each component of the bolt assemblies according to these specifications. Prime using a weldable primer and paint the carbon steel plates according to standard spec 517. Do not paint areas of the bearing stiffener plate extensions to be field welded.

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 #26293 Gray (Light Gray) and the urethane coating material shall match the color number shown on the plans conforming to AMS Standard 595B, as printed in 2014. 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 Cleaning

In accordance to SSPC SP-11, using power tools thoroughly remove all rust, scale, and paint to bare metal of existing girder webs that are to come into contact with the doubler plate and bearing stiffener extension plates. Wash and give one coat of an approved zinc rich primer to these areas.

C.2 Installation

Position web doubler plate to the existing girder web and parallel to the existing stool plate flange as shown on the plans. Field drill holes in girder web using the web doubler plate as a template. The axis of the holes shall be perpendicular to the webs and shall be 1/16" larger in diameter than the diameter of the bolts.

Install bolts for the web doubler plate according to standard spec 506.3.12. Include one washer with each bolt assembly. Place the washer under the nut or bolt head, whichever is used in tightening.

Weld the bearing stiffener extension plates to the existing bearing stiffener and existing hold down stool as shown on the plans. Do not weld to the existing girder web.

C.3 Waste Collection

Furnish and erect tarpaulins or other materials to collect all of the spent paint containing material resulting from blasting or hand and power tool cleaning and coating. Minimize dust during all clean-up activities. Collect and store waste material at the end of each work day or more often if needed. Store waste materials in the hazardous waste containers provided. Lock and secure all waste containers at the end of each work day. Cover the container(s) at all times except when adding or removing 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. Transportation and disposal of such waste material will be the responsibility of the department.

C.5 Touch-Up Painting

Damage to newly primed surfaces of the existing girder or new plate components to be installed as a result of construction operations shall be touched up to the approval of the engineer at the contractor's expense.

At field welded areas, remove weld slag before painting. Prime coat surfaces to be touch-up painted. Apply paint in a neat, workmanlike manner, and conforming to the manufacturer's instructions and recommendations. Paint application shall be brushed on.

D Measurement

The department will measure Abandon Existing Hold-Down Device as a unit for each web doubler plate and pair of bearing stiffener plate extensions installed on a single girder end, 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.0060.400	Abandon Existing Hold-Down Device	EACH

Payment is full compensation for furnishing all labor, materials, fabricating, erecting, and installing, equipment, tools, access, work stations, and incidentals necessary to complete the work as shown on the plans; for cleaning (including waste containment and disposal) the girder webs and bearing stiffeners, and painting areas indicated.

67. Girder Hold-Down Retrofit, Item SPV.0060.401.

A Description

This special provision describes furnishing and installing new fabricated girder hold-down components at the abutments as shown on the plans, and as hereinafter provided. The components include fabricated brackets, hold-down assemblies, connection plates, abutment plates, and alignment angle.

B Materials

Furnish carbon steel plates, angles, high strength steel bolts, nuts, and washers of the size and quantity on the plans that are according to the pertinent requirements of standard spec 506. Cold bend the hold-down assembly's $\frac{3}{4}$ " plate shown on the plans in a press brake or die. Prepare shop drawings and submit one set of drawings to the engineer for review before commencing fabrication.

Galvanize each component of the bolt assemblies according to these specifications. Prime using a weldable primer and coat the carbon steel fabricated assembly components and angles according to standard spec 517. Do not prime areas of the connection plates and angles to be field welded.

Furnish a primer compatible with the epoxy coating system selected for the Structure Overcoating Cleaning and Priming bid item to be used on the bridges. Use the same primer for all repairs due to handling, shipping, and erecting; and for all other uncoated areas.

Furnish solid lubricant consisting of a combination of solids having non-deteriorating characteristics as well as lubricating qualities and capable of withstanding long term atmospheric exposure, deicing materials and water. Do not use molybdenum disulfide and other ingredients which promote electrolytic or chemical action between the bearing elements. Do not use shellac, tars and asphalts, or petroleum solvents as binders.

C Construction

C.1 Abutment Plate

Install the abutment plate to the front face of the existing abutment according to the details shown on the plans. Ensure alignment of the bolt holes for the adhesive anchors will not interfere with the connection plate placement and will provide the minimum concrete edge distances shown on the plans. After alignment, install the adhesive anchors.

At the fascia girders, field cut parts of the abutment plate overhanging the abutment ends. Align the cut-off piece on the abutment end face and to the parent abutment plate material. Prior to field welding, remove the paint coating on areas of the plates to be joined. At the cut plate edges, grind corners and sharp edges smooth.

C.2 Bracket

Remove portions of existing steel web stiffeners that will interfere with placement of the new bracket. If flame cutting is used, remove existing stiffener no closer than $\frac{1}{2}$ " to the girder web and bottom flange to remain. Grind existing stiffener welds flush in a direction parallel to the girder axis, using care to not gouge the girder web and bottom flange.

Loose fit the bracket on the girder and position to ensure the centerline of the hold-down assembly will be in alignment with the connection plate weld centerline as shown on the plans. In accordance to SSPC SP-11, using power tools thoroughly remove all rust, scale, and paint to bare metal of existing girder webs that are to come into contact with the brackets. Wash and give one coat of an approved zinc rich primer to these areas.

Furnish and erect tarpaulins or other materials to collect all of the spent paint containing material resulting from blasting or hand and power tool cleaning and coating. Minimize dust during all clean-up activities. Collect and store waste material at the end of each work day or more often if needed. Store waste materials in the hazardous waste containers provided. Lock and secure all waste containers at the end of each work day. Cover the container(s) at all times except when adding or removing 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. Transportation and disposal of such waste material will be the responsibility of the department.

Install bracket components to the existing girder web and parallel to the existing bottom flange plate. Provide a $\frac{1}{16}$ " gap between the bottom of the bracket and top surface of the existing girder bottom flange.

Field drill holes in girder web using the bracket as a template. The axis of the holes shall be perpendicular to the webs and shall be 1/16" larger in diameter than the diameter of the bolts.

Install bolts according to standard spec 506.3.12. Include one washer with each bolt assembly. Place the washer under the nut or bolt head, whichever is used in tightening.

C.3 Connection Plate

Remove the paint coating from areas of the abutment plate that will be field welded to the connection plate. Loose fit and align the connection plate to the abutment plate and hold-down assembly. Assure that the hold-down assembly horizontal bearing surface is parallel to the bracket horizontal bearing surface. Assure that the hold-down assembly vertical faying surface is parallel to the connection plate vertical faying surface. Field weld the connection plate to the abutment plate.

C.4 Hold-Down Assembly

Apply lubricant to the steel-to-steel sliding surface of the bracket. Loose fit the hold-down assembly onto the bracket and connection plate. Align the hold-down assembly centerline with the connection plate weld centerline as shown on the plans.

Field drill holes in the hold-down assembly and connection plate as shown on the plans. The axis of the holes shall be perpendicular to the plates and shall be 1/16" larger in diameter than the diameter of the bolts.

Install bolts according to standard spec 506.3.12. Include one washer with each bolt assembly. Place the washer under the nut or bolt head, whichever is used in tightening.

C.5 Touch-Up Painting

Damage to newly primed surfaces of the existing girder or new assembly components to be installed as a result of construction operations shall be touched up to the approval of the engineer at the contractor's expense.

At field welded areas, remove weld slag before painting. Prime coat surfaces to be overcoated. Apply primer in a neat, workmanlike manner, and conforming to the manufacturer's instructions and recommendations. Primer application shall be brushed on.

D Measurement

The department will measure Girder Hold-Down Retrofit as a unit for each hold down assembly installed on a single girder end, 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.0060.401	Girder Hold-Down Retrofit	EACH

Payment is full compensation for portions of web stiffener removal; for furnishing all labor, materials, fabricating, erecting, and installing, equipment, tools, access, work stations, and incidentals necessary to complete the work as shown on the plans; and for cleaning and priming affected areas of the girder webs, flanges, and bearing stiffeners.

68. Heavy Duty Silt Fence, Item SPV.0090.001.

A Description

This special provision describes the delivery, installation, maintenance, and removal of Heavy Duty Silt Fence. Install fence as directed by the engineer. Do not remove fence until directed by the engineer.

B Materials

Provide Heavy Duty Silt Fence consisting of a composite of woven wire fence fabric, posts, geotextile, fasteners, and to be assembled by the contractor. Woven wire fence fabric shall be a standard field fence type with a minimum and maximum height according to the construction detail, a maximum mesh spacing of 6-inches and minimum 14-1/2 gauge wire.

Provide "studded tee" or "U" type metal posts with sizes/lengths according to the construction detail and a minimum weight of 1.3 lb/ft.

Provide geotextile fabric meeting the following requirements:

Property	Unit	Test Method	Minimum Average Roll Value
Grab Tensile Strength	LB.	ASTM D4632	380
Grab Tensile Elongation	%	ASTM D4632	50
Puncture Strength	LB.	ASTM D4833	240
Trapezoid Tear Strength	LB.	ASTM D4533	145
Apparent Opening Size	U.S. Standard Sieve	ASTM D4751	170 (0.09 mm)
Permittivity	sec ⁻¹	ASTM D4491	0.7
Water Flow Rate	Gal/min/ft ²	ASTM D4491	50
UV Resistance after 500 hours	% strength retained	ASTM D4355	70

Furnish a manufacturer's Certified Report of Test or Analysis that the geotextile fabric delivered for use in the work meets the above requirements to the engineer at least 15 days prior to use in the work. Provide geotextile fabric bearing markings to clearly identify it with the applicable test report furnished to the engineer.

C Construction

Install the Heavy Duty Silt Fence as directed by the engineer and shown on the construction detail included in the plans. Space ties and anchors to adequately support system. Include or add acceptable guy lines, where required, for additional support.

Anchor the geotextile fabric a minimum of 6" below grade. Trench, anchor and backfill similar to standard silt fence. The contractor will not be required to trench in the Heavy Duty Silt Fence if it will be installed within standing water. In such cases, anchor to the ground with rock bags placed continuously.

Maintenance work, when required, will be specified on erosion control orders. Maintenance includes replacement of failed 12GA wire ties; re-anchoring of metal posts (standing lying sections back-up); entrenchment of the bottom fabric; and guy line repairs, if required. Geotextile fabric and woven wire fence fabric replacement not required for maintenance.

D Measurement

The department will measure Heavy Duty Silt Fence by the linear foot, acceptably completed. The department will measure along the base of the fence, center-to-center of end post, for each section of fence.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.001	Heavy Duty Silt Fence	LF

Payment is full compensation for all furnishing, assembling, erecting, maintaining, and removal of the silt fence; and for furnishing all labor, tools, equipment and incidentals necessary to complete this item of work. Rock bags and/or sand bags used to anchor the silt fence when installed in standing water are incidental to the bid item and will not be paid for separately.

69. Double Staked Silt Fence, Item SPV.0090.002.

A Description

This special provision describes the delivery, installation, maintenance, and removal of Double Staked Silt Fence. Install fence as directed by the engineer. Do not remove fence until directed by the engineer.

B Materials

Furnish all materials to conform to standard spec 628.

C Construction

Construct with post spacing not to exceed 1'-6" if using a geotextile fabric or 4'-0" if using woven a geotextile fabric.

D Measurement

The department will measure Double Staked Silt Fence by the linear foot, acceptably completed. The department will measure along the base of the fence, center-to-center of end post, for each section of fence. Maintenance of Double Staked Silt Fence will be paid for by the standard Silt Fence Maintenance bid item.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.002	Double Staked Silt Fence	LF

Payment will be according to the applicable provisions of standard spec 628.5.6.

**70. Temporary Pedestrian and Bicyclist Passageway B-64-105, Item SPV.0105.005;
Temporary Pedestrian and Bicyclist Passageway B-64-106, Item SPV.0105.006.**

A Description

The work under this item shall consist of providing a safe and delineated temporary pedestrian and bicyclist temporary structural passageway that maintains pedestrian and bicyclist traffic on the existing multi-use trail during the construction activities and painting of IH 43 overpass structures over CTH H and the multi-use trail.

A.1 Pedestrian and Bicyclists

Maintain safe pedestrian and bicycle traffic at all times through the project work zone on the existing trail. The minimum width for the passageway shall be 10 feet.

A.2 Debris

Provide a debris containment/scaffolding with overhead canopy system to prevent debris from construction operations from falling or ricocheting onto the temporary pedestrian and bicyclist passage or facilities located under or near the structure; and to separate bicycle and pedestrian traffic from painting operations.

B Materials

Materials used shall conform to the department, Standard Specifications for Highway and Structure Construction 2020 Edition.

C Construction

C.1 Plan

Prior to starting work, submit a Temporary Pedestrian and Bicyclist Passage Plan that details information as to how, where, and when the pedestrian and bicycle traffic will be safely managed during construction to the engineer for review and acceptance. The Plan shall be submitted to the engineer a minimum of 10 working days prior to construction. The Plan shall include at a minimum;

C.1.1 Schematic plans showing how the pedestrian and bicycle traffic will be safely mitigated or rerouted including the location and geometry of the delineated passageway and temporary ramping details, temporary barriers, scaffolding or fencing on either side of the path, signing and marking, and construction materials. A minimum of eight feet of vertical clearance shall be maintained.

C.1.2 Schematic plans showing debris containment location, geometry, and type. 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 saw cutting, parapet removal, or other operations that may generate debris.

C.1.3 Maintenance and upkeep procedure for the Temporary Pedestrian and Bicyclist Passageway that includes a 24-hour contact person for maintenance.

C.1.4 A list and description of equipment, tools, and materials that will be utilized to perform all parts of the work. All shall be satisfactory for design, capacity, and mechanical condition for the purposes intended. Repair, improve, replace, or supplement all equipment and materials that is not maintained in full working order, or which is proven inadequate to obtain the results prescribed.

D Measurement

The department will measure Temporary Pedestrian and Bicyclist Passageway (Structure) as a single lump sum unit of work, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.005	Temporary Pedestrian and Bicyclist Passageway B-64-105	LS
SVP.0105.006	Temporary Pedestrian and Bicyclist Passageway B-64-106	LS

Payment is full compensation for site preparation and restoration, marking and signing, all materials, installing, maintaining, removal of the passageway and containment system and all other material.

71. Transport and Install State Furnished Emergency Vehicle Preemption (EVP) Detector Heads and Confirmation Beacons, IH 43 SB Ramps & STH 67, Item SPV.0105.301; Transport and Install State Furnished Emergency Vehicle Preemption (EVP) Detector Heads and Confirmation Beacons, IH 43 NB Ramps & STH 67, Item SPV.0105.302.

A Description

This special provision describes the transporting and installing department furnished Emergency Vehicle Preemption (EVP) Detector Heads, Confirmation Beacons, and mounting brackets at IH 43 SB Ramps & STH 67; IH 43 NB Ramps & STH 67 as the plans show and as follows.

B Materials

Pick up the department furnished materials at the department's Electrical Shop located at 935 South 60th Street, West Allis. Notify the department's Electrical Field Unit at (414) 266-1170 and make arrangements for picking up the department furnished materials five working days prior to picking the materials up.

C Construction

Install the EVP detector heads and confirmation beacons as shown on the plans. The department will determine the exact location to ensure that the installation does not create a sight obstruction. Mount the EVP detector heads and wire them per manufacturer instructions. Mount the confirmation beacons and wire them with 3-14AWG Traffic Signal cable in a continuous run from the cabinet to the beacon. For a cabinet that is not operating the signal, the contractor will terminate the ends and install the discriminators and card rack in the cabinet. If the cabinet is operating the signal, the cabinet wiring will be done by the department.

Notify the department's Electrical shop at (414) 266-1170 upon completion of the installation of the Emergency Vehicle Preemption (EVP) Detector Heads and Confirmation Beacons.

D Measurement

The department will measure transporting and installing of department furnished Emergency Vehicle Preemption (EVP) Detector Heads and Confirmation Beacons as a single lump sum unit of work in place 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.0105.301	Transport and Install State Furnished Emergency Vehicle Preemption (EVP) Detector Heads and Confirmation Beacons, IH 43 SB Ramps & STH 67	LS
SPV.0105.302	Transport and Install State Furnished Emergency Vehicle Preemption (EVP) Detector Heads and Confirmation Beacons, IH 43 NB Ramps & STH 67	LS

Payment is full compensation for transporting and installing department furnished Emergency Vehicle Preemption (EVP) Detector Heads, Confirmation Beacons, and mounting brackets.

72. Remove Radar Detection System – Partial, IH 43 NB Ramps & STH 67, Item SPV.0105.303; Remove Radar Detection System – Partial, IH 43 SB Ramps & STH 67, Item SPV.0105.304.

A Description

This special provision describes partially removing non-intrusive radar vehicle detection units and cable whips at IH 43 NB Ramps & STH 67; IH 43 SB Ramps & STH 67. Removal will be according to standard spec 204, as shown in the plans, and as hereinafter provided.

B (Vacant)

C Construction

Remove RM2 and RA3 and the corresponding cable whips at both intersections. Removals shall not take place until the department's Electrical Field Unit has tested and accepted the loops on each off ramp.

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the removal of the specified radar units.

The radar units and cable whips shall be returned to the department upon removal.

D Measurement

The department will measure Remove Radar Detection System - Partial 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 items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.303	Remove Radar Detection System – Partial, IH 43 NB Ramps & STH 67	LS
SPV.0105.304	Remove Radar Detection System – Partial, IH 43 SB Ramps & STH 67	LS

Payment is full compensation for removing and returning of the materials and any incidentals necessary to complete the contract work.

73. Remove Traffic Signals – Partial, IH 43 SB Ramps & STH 67, Item SPV.0105.305; Remove Traffic Signals – Partial, IH 43 NB Ramps & STH 67 Item SPV.0105.306.

A Description

This special provision describes removing existing traffic signals at the intersections of IH 43 SB Ramps & STH 67 and IH 43 NB Ramps & STH 67 according to the pertinent provisions of standard spec 204 and as hereinafter provided. Specific removal items are noted in the plans.

Aside from the Radar Detection Removal (covered under a separate item), SB5 (S64-1417) and SB3 (S64-1418) are the only removals. All other signal equipment/infrastructure at each signal to remain.

B Materials

Removed luminaires and lamps become the property of the contractor. Properly dispose of all material off the project site. Lamps, which are considered a hazardous material, become property of the contractor and shall be disposed of in an environmentally sound manner.

C Construction

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the removal of the traffic signals. The de-energizing and removal of the existing equipment may only take place after receiving the approval from the engineer. Complete the removal work as soon as possible following shut down of this equipment. All other existing equipment shall remain in operation during the construction of the new 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 poles per plan from their concrete footings and disassemble out of traffic. Remove the transformer bases from each pole. Remove the luminaires and wiring/cablings from both poles. Ensure that all access hand hole doors and all associated hardware remain intact. Dispose of the 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 five working days prior to delivery to make arrangements.

D Measurement

The department will measure Removing Traffic Signals – Partial 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 items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.305	Remove Traffic Signals – Partial, IH 43 SB Ramps & STH 67	LS
SPV.0105.306	Remove Traffic Signals – Partial, IH 43 NB Ramps & STH 67	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.

74. Removing Lower Lateral Bracing B-64-126, Item SPV.0105.400.

A Description

This special provision describes removing a portion of the lower lateral bracing system where it was damaged from a previous vehicle collision. Replace the damaged field splice bolt, as indicated on the plans. Work shall be performed according to the pertinent parts of standard spec 203 and 506 and these Special Provisions. Removal operations shall be performed in advance of girder re-painting work.

B Materials

Provide high strength bolts according to standard spec 506.2.5 where indicated on the plans.

C Construction

C.1 Lower Lateral Bracing Removal

Remove the lower lateral bracing angle at the location shown in the plans. Only the member which frames into the damaged shelf plate connection is to be removed and the remaining bracing members are to remain in place.

C.2 Shelf Plate Removal

The lower lateral shelf plate shall be removed where the weld is damaged from the prior vehicle impact, at the location shown in the plans. Completely remove the shelf plate, to the limits shown in the plans, according to the following procedure:

1. After removal of the lateral bracing angle, remove the lower lateral shelf plate. Use caution to avoid damage to the girder or adjacent cross frame bracing.
2. Fully remove the remaining weld on the girder web by rough grinding. A die grinder should be used, and not a rough burr grinder. Remove a maximum thickness of 1/8" from the girder web. Remove only what is necessary to eliminate the damage.
3. Perform NDT, as described under section C.3, to verify that no damage remains where the shelf plate was welded to the girder web. If there is still damage to the girder web consult with the engineer for further guidance.
4. After all discontinuities have been removed, perform fine grinding with a flapper-type sandpaper grinding wheel. Grind first with 60 or 80 grit sandpaper and then perform a final fine grinding operation with 100 or 120 grit sandpaper.
5. The exposed surfaces will be cleaned and painted with the bridge girders and is not included with this bid item.

Perform all rough and fine grinding parallel to the direction of primary stress (horizontal along the girder web). Do not grind vertically along the web.

The weld between the shelf plate and the vertical connection plate does not require grinding or repair beyond what is needed to remove the shelf plate.

Visually inspect the area surrounding the shelf plate removal for other signs of damage. If any damage is observed, notify the engineer for recommendations.

C.3 Non-Destructive Testing (NDT)

Perform Magnetic Particle testing at the location of weld removal on the girder web to verify that no cracks are present. The testing shall be done by a certified ASNT Level II Technician. NDT procedure and techniques shall be according to the appropriate ASTM procedure. Areas to be inspected using NDT shall be cleaned as required to perform the testing.

The limits of any defects observed at the shelf plate connection to the girder web should be marked for repair.

NDT is only required at the girder web, and not on the vertical stiffener weld to the connection plate.

C.4 Field Splice Bolt Replacement

Remove the damaged field splice bolt adjacent to the vehicle impact location, and replace it according to standard spec 506.3.12.

D Measurement

The department will measure Removing Lower Lateral Bracing B-64-126 as a complete unit of work for each structure designated in the contract and 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.0105.400	Removing Lower Lateral Bracing B-64-126	LS

Payment is full compensation for removal of the lower lateral bracing member, NDT testing, shelf plate removal, weld removal by grinding, and bolt replacement. Providing access for the removals shall be considered incidental to this item of work. Payment for painting of the exposed surfaces is included with re-painting of the steel girders.

75. Removing Abandoned Deicing System B-64-127, Item SPV.0105.401.

A Description

This special provision describes providing removal of the existing, abandoned deicing system attached to the bridge.

B (Vacant)

C Construction

Removal all surface mounted components of the existing deicing system from the bridge including conduit, wiring, mounting brackets and junction boxes. Perform all removals at the direction of the engineer.

Components of the existing deicing system embedded within the concrete deck are not to be removed.

All removals shall be performed according to standard spec 203. Ensure that all existing wiring is properly terminated inside the existing junction boxes according to standard spec 651 and 655.

D Measurement

The department will measure Removing Abandoned Deicing System as a complete unit of work for each structure designated in the contract and 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.0105.401	Removing Abandoned Deicing System B-64-127	LS

Payment is full compensation for removal of the existing deicing system and hauling and disposal of all waste materials generated. Providing access for the removals shall be considered incidental to this item of work.

76. Field Office Special, Item SPV.0135.001.

A Description

This special provision describes furnishing, equipping, and maintaining field office facilities.

B Materials

Obtain engineer approval before providing an existing office building, or an existing building converted to office-type use. Ensure that the building meets all applicable health, fire, and building codes and standards and is less than one mile from the project limits. Use the following map for selecting your location and internet accessibility.

<https://maps.psc.wi.gov/apps/WisconsinBroadbandMap/>

Provide; maintain in clean good working condition; and stock lavatory with sanitary supplies, including a sufficient supply of soap; hand sanitizer; toilet paper; and paper towels. The on-site sanitary facilities must meet Federal, State, and local health department requirements at all times.

Equip these facilities with suitable natural and light emitting diode (LED) DSL lighting. Also provide adequate heating and air conditioning equipment and fuel necessary to maintain a temperature range from 68 F to 80 F during the hours occupied.

Equip:

- Doors and windows with locks.
- Exterior doors with dead bolt locks.
- Windows with exterior screens to allow adequate ventilation.

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 nitrile examination gloves, CPR masks, adhesive tape, pressure and cling bandages, antiseptic wipes, bite/sting swabs, cold packs, and safety goggles.

Equip with a 6-pound or larger fire extinguisher conforming to class A, B, and C of the NFPA Code.

Provide at least 1800 square feet interior useable floor space, including shared spaces, such as plan review areas, conference rooms, meeting areas, hallways, and restrooms.

Obtain engineer's approval of a suitably sized, open meeting area, including tables and folding chairs to accommodate regularly scheduled meetings of 50 people.

Provide 10 workstations, including a lockable desk, shelf, and fireproof 4-drawer file cabinet. Provide 3 private rooms, additionally equipped with a four-shelf bookcase, its own air conditioner, a large lockable

metal storage cabinet, and a 48" x 36" whiteboard with dry-erase markers. Supply the interior doors to these rooms with locksets.

Provide one ergonomically correct office chair in working condition, with, at a minimum, the following features, for each workstation:

- Five-legged base with casters.
- High backrest.
- Seat adjustable from 15 inches to 22 inches from the floor with a "seamless waterfall, rounded front edge.

Provide at least 10 high speed broad band internet connections at upload and download speeds ranging from 20-100 Megabits/second (Mbps). Use a minimum of "small office networking" package, including a Dynamic IP Address (DHCP), a wireless router, a Digital Subscriber Loop (DSL) or Cable Modem Router. The package shall accommodate IPsec based VPN products and be capable of supporting cloud-enabled file-sharing and video-conferencing.

Internet to be provided shall have a bandwidth range as follows:

- Field office with 1-5 staff: A minimum connection speed of 10 Mbps download and 2 Mbps upload.
- Field office with 6 or more staff: A minimum connection speed of 20 Mbps + 1 Mbps per user download and 5 Mbps upload.
- Projects over 500 million dollars: A minimum connection speed of 40 Mbps + 1 Mbps per user download and 10 Mbps upload. Coordinate network setup at the leased office with the WisDOT network team.

Provide and install into the field office 2 two-line programmable touch-tone telephones and telephone exchanges with local and long distance service or VoIP phone network. At least one will be a cordless type operating at least 2.4 GHz. The voice exchanges are to be configured so that the incoming calls for any voice exchange utilize an open exchange. Furnish a voice mail answering service. The telephones and the communication services are for the sole use of the department staff.

Provide one new Windows 10 compliant, high-capacity color printer/copier/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 1200dpi, and with a direct or field office wireless network connection, as approved by the engineer.

Provide and maintain an adequate supply of bottled drinking water. Provide a refrigerator with a minimum 18 cubic foot capacity, including a freezer. Provide a microwave oven with a minimum 1.1 cubic foot capacity, a minimum of 1000 watts, and a removable glass turntable.

Maintain the field office equipment and provide supplies for the photocopiers as requested by the engineer.

Provide for the professional cleaning of the field office during regular business hours twice monthly.

Provide clearly marked recycling and waste receptacles within the field office, and separate recycling and waste dumpsters near the field office. Cover outdoor containers to keep out rain, and snow. Provide regularly scheduled recycling and waste pick-up.

Include an adjacent, no-fee, lighted parking lot large enough to accommodate the needs of the field office at peak usage, as approved by the engineer. Maintain the parking lot and egress, including snow removal.

C Construction

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.

Do not begin construction operations requiring the use of the field offices by the department until the required field offices are approved by the engineer, furnished, fully equipped, and made ready for use as the engineer directs.

The field office shall remain available for department until the engineer approves its closure. These field facilities are for the sole use of the department and upon contract completion remain the contractor's property.

D Measurement

The department will measure Field Office Special by the month, or partial month where applicable, 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.0135.001	Field Office Special	MON

Payment is full compensation for providing, equipping, securing, cleaning and maintaining the facility and associated parking lot; for telecommunications equipment, installation, and service fees; and for providing all incidentals, including bottled water, refrigerator/freezer, microwave, utilities, fuel, safety, ventilation, toilet facilities, and office supplies as required, either independently or jointly, for the time specified in section C. The department will pay for long-distance telephone usage fees incurred by department staff.

sef-642-005 (20180627)

77. Resin Binder High Friction Surface Treatment, Item SPV.0180.001.

A Description

This special provision describes providing a high friction surface treatment (HFST) composed of aggregate in a resin binder on HMA or concrete pavements as the plans show and as follows.

B Materials

B.1 Resin Binder

Supply a two-part thermosetting resin binder which is compatible with the pavement type, bonds to the pavement surface, holds the aggregate firmly in place in a broad range of climates including below-freezing temperatures, and meets the requirements specified in Table 1. Supply a primer if recommended by the resin binder manufacturer.

Table 1. Resin Binder Properties

Property	Requirements	Test Method*
Viscosity	7 – 30 poises	ASTM D2556 1-pint specimen
Gel Time	10-minute minimum	ASTM C881 60g mass
Ultimate Tensile Strength	2,000 – 5,000 psi @ 7 days	ASTM D638 Type 1 specimen
Elongation at Break	30% - 70% @ 7 days	ASTM D638 Type 1 specimen
Compressive Strength	≥ 1000 psi @ 3 hrs & ≥ 5000 psi @ 24 hours	ASTM D695**
Water Absorption	≤ 1.0 % @ 24-hr	ASTM D570 24-hr immersion
Shore D Hardness	60 – 80 @ 7 days	ASTM D2240*** Type 1 precision, Type D method
Cure Rate	≤ 3 hours (Dry Through Time)	ASTM D1640 50-55 wet mil thickness***
Adhesive Strength	250 psi @ 24 hours or 100% substrate failure	ASTM C1583***

- * Prepare samples per manufacturer's recommendation; cure all specimens at 73 ± 2° F and at 50 ± 2° F; and test all specimens at 73 ± 2° F
- ** 2" x 2" cubes made of 2.75 parts of 20-30 mesh sand to 1 part mixed resin binder; use plastic inserts in oversized molds to produce 2" cubes
- *** Conduct testing on applicable pavement type

B.2 Aggregate

Furnish calcined bauxite aggregate that is fractured or angular in shape; resistant to polishing and crushing; clean and free of surface moisture; free from silt, clay, asphalt, or other organic materials; compatible with the resin binder; and meet the properties and gradation requirements in Tables 2 and 3. Check with resin binder manufacturer for any compatibility requirements or concerns.

Table 2. Aggregate Properties

Property	Requirements	Test Method
Moisture Content	≤ 0.2%	AASHTO T 255
Fine Aggregate Angularity	≥ 45%	AASHTO T 304, Method A
Micro-Deval	≤ 15% loss	ASTM D7428
LA Wear	≤ 10% loss @ 100 revolutions and ≤ 25% loss @ 500 revolutions	AASHTO T 96
Freeze-Thaw Soundness	≤ 9% loss @ 50, 16, or 25 cycles using Procedure A, B, or C, respectively	AASHTO T 103

Table 3. Aggregate Gradation (AASHTO T27)

Sieve Size	% Passing by Weight
No. 4	100
No. 6	95
No. 16	0-5
No. 30	0-1

B.3 Approval of High Friction Surface Treatment

A minimum of 20 working days before applying HFST, submit product data sheets and specifications from the manufacturer, and a certified test report from an independent laboratory verifying that the resin binder and the calcined bauxite aggregate meet all the requirements specified in Tables 1, 2 and 3. Documents must be dated within three years.

If resin binder has not been previously used in Wisconsin, also submit a list of at least five reference projects where the resin binder has been used for similar applications and in locations that have similar climatic conditions as Wisconsin. Supply a description of the projects along with contact information of the facility owner.

If the engineer requests, provide samples of the resin binder and aggregate for department testing before applying HFST.

C Construction

C.1 General

The contractor will provide documentation showing HFST application experience from at least three previous projects completed for WisDOT or other agencies.

Conduct a meeting with the resin binder manufacturer representatives before applying HFST to establish procedures for maintaining optimum working conditions and coordination of the work. Submit recommended application procedures, including quality control practices, to the engineer for approval. Ensure that a resin binder manufacturer representative is on site to provide technical assistance and quality assurance during surface preparation and for application of HFST.

Ensure that the resin binder components maintain their original properties during storage and handling. Store all aggregate in a dry environment and protect from contaminants on the job site.

C.2 Pavement Surface Preparation

C.2.1. Pavement Surface Repair

Remove visibly unsound or disintegrated areas of the pavement surface as the plans show or the engineer directs. Clean and dry all cracks too large to be filled with surface treatment. Fill cracks with a mixture of resin binder and aggregate before applying the surface treatment. Follow manufacturer's recommendations for curing before applying the surface treatment.

Check with resin binder manufacturer to ensure that products used for pavement repairs or patches are compatible with the resin HFST. Ensure that any new concrete or repairs are fully cured before placing the HFST.

C.2.2 Surface Preparation

Cover and protect utilities, drainage structures, expansion joints on bridge decks, and other structures within or adjacent to the application location to prevent materials from adhering to or entering those structures.

Remove pavement markings that are within the treatment area. Cover existing pavement markings adjacent to the application if they are to remain in place.

After all pavement repairs or patches have completely cured, and no more than 24 hours before HFST application, prepare a concrete pavement surface by shot blasting to roughen the surface texture. Ensure the pavement surface has no grease, oil, curing compound, loosely bonded mortar, pavement marking, or other foreign matter resting on the pavement surface.

Completely remove any grease, oil, pavement marking, or other foreign matter resting on an HMA pavement surface that could prevent proper bonding of the resin binder by shot blasting. Shot blast entire HMA pavement surfaces that are less than 30 days old prior to cleaning and installing HFST.

Sufficiently clean HMA and concrete pavement surfaces by vacuum-sweeping and blowing, with oil-free compressed air, just before applying HFST. Compressors must be equipped with functioning oil/water separators. Cleaning must be done the same day that HFST will be applied. Ensure the surface is clean, completely dry, and free of all dust, oil, debris and other material that might interfere with the bond between the resin binder and the existing pavement surface.

If the engineer requires additional verification of adequate surface preparation of the pavement, test the bond strength according to ASTM C1583. The surface is acceptable if the tensile bond strength is greater than or equal to 250 psi, or failure is in the substrate. Repeat shot blasting, cleaning, and testing, if needed, until passing test results are obtained or the surface is acceptable to the engineer.

Keep vehicles and unnecessary equipment off the cleaned surface; only allow HFST application equipment on the clean surface. Apply HFST as soon as possible after pavement surface preparations are completed.

Abide by the established quality control practices and adhere to any additional manufacturer recommendations for surface preparation. Request that the engineer inspect and approve the pavement surface immediately prior to placing the HFST.

C.3 Application of the HFST

Do not apply the HFST if any of the following exists:

- Pavement surface is wet, damp, or has received rainfall in the previous 24 hours.
- Pavement surface is not sufficiently clean.
- Ambient air or pavement surface temperature is below 50° F or below the manufacturer's recommendations.
- If the anticipated weather conditions would prevent adequate curing of the HFST.
- Rain is predicted before HFST completion or proper cure is achieved.
- Pavement preparation is inadequate or didn't pass pull-off test.

Close treatment areas to traffic until HFST is completely cured and pavement surface has been vacuum-swept.

Construct HFST to the full width of the existing pavement surface, or as the plans show or engineer directs. Extend the HFST application 6' into the shoulders as shown in the plans. Apply as a single layer 1/8 inch to 1/4 inch thick.

Apply a primer to the pavement surface if recommended by the resin binder manufacturer, and according to their application recommendations. Abide by the established quality control practices and adhere to any additional manufacturer recommendations for HFST application.

Blend and mix the resin binder components at the manufacturer's specified ratio using equipment capable of providing the desired results.

Apply the resin binder uniformly over the pavement surface manually or with automated equipment at a uniform thickness of 50-65 mils (25-32 ft²/gal). Use enough resin to cover the pavement surface and sufficiently embed half the thickness of the aggregate; do not apply so much that it covers the aggregate and creates a slick surface. Adjust application rate, as needed, based on the diamond ground pavement surface, profile, and condition.

If using automated equipment, ensure that the equipment features positive displacement, volumetric metering, and is capable of storing, mixing, heating, monitoring, and distributing the binder components at the proper mix ratio. Adjust the pressure and the speed of the equipment to achieve the proper application thickness. If applying the binder by hand, use a serrated edged squeegee to spread the resin binder and provide uniform coverage at the proper thickness.

Do not contaminate the wet binder or allow the binder material to separate or cure, and impair bonding of the aggregate.

Immediately after applying the resin binder, distribute a sufficient quantity of dry calcined bauxite aggregate to completely cover the resin binder by hand broadcasting or by using a standard chip spreader or equivalent machine. Ensure aggregate is placed within five minutes of the resin binder placement, before it begins to cure. When broadcasting, sprinkle or drop the aggregate onto the resin binder vertically. Do not distribute aggregate in a way that will cause it to roll in the resin binder before coming to a rest; do not push the aggregate into position with a broom or any other hand tool. If using a chip spreader, the machine shall follow closely behind the crew or equipment applying the resin binder. Immediately cover any visible wet or bare spots, or areas with excessive binder, with additional calcined bauxite aggregate before the resin binder begins to set.

Allow the HFST to properly cure, adhering to manufacturer recommendations for minimum cure times at applicable temperatures.

After the HFST is fully cured, remove excess loose surface aggregate by sweeping, blowing, or vacuuming. Do not tear or otherwise damage the surface. Excess calcined bauxite aggregate that is recovered by a vacuum sweeper can be reused if clean, uncontaminated and dry. Remove and replace damaged areas or areas with excess or insufficient aggregate coverage. Clean expansion joints, utilities, and drainage structures of all debris before opening to traffic.

Additionally, within 3 to 7 days after opening to traffic, vacuum sweep the pavement surface to remove loosened aggregate from the high friction surface area, the shoulders, and any other areas within and immediately adjacent to the HFST site.

D Measurement

The department will measure Resin Binder High Friction Surface Treatment 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.0180.01	Resin Binder High Friction Surface Treatment	SY

Payment for Resin Binder High Friction Surface Treatment is full compensation for testing materials; for preparing the pavement surface; filling all cracks; for providing the HFST; for cleanup; and for vacuum sweeping and disposing of excess material after the completion and again 3 to 7 days after completion.

The department will pay for concrete or HMA pavement repairs and traffic control separately under other contract bid items.

SER-400-001 (20170424)

**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 15 (*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 6 (*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 under-representation 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 [DBE] PROGRAM IMPLEMENTATION

1. Description

- a. The federal DBE program requirements outlined in the Code of Federal Regulations at 49 CFR Part 26 apply to this Wisconsin Department of Transportation contract. WisDOT is a recipient of federal funds and this contract includes federal funds. United States Department of Transportation Federal DBE Program requires the following provisions:
 - (1) Pursuant to the federal DBE program regulation at 49 CFR Part 26, a contractor's failure to comply with any provision of the DBE regulations will be considered a material breach of contract. This is non-negotiable. If a contractor fails to carry out the DBE program and Title VI nondiscrimination requirements of its contracts, the following sanctions will be assessed depending upon the facts, reasoning, severity and remedial efforts of the contractor: termination of contract, withholding payment, assessment of monetary sanctions, assessment of liquidated damages and/or suspension/debarment proceedings that may result in the disqualification of the contractor from bidding for a designated period of time.
 - (2) The contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the contractor obtains the federal fund recipient's [DOT] written consent. Unless [WisDOT] consent is provided, the contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the listed DBE.
- b. The Wisconsin Department of Transportation [WisDOT] is committed to the compliant administration of the DBE Program. Each WisDOT Secretary affirms this commitment with his/her signed assurance.
<https://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/policy-statement.pdf>
 - (1) The department encourages the contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts. 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.
 - (2) Wisconsin DOT identifies the assigned DBE goal in its contract advertisements and posts the contract DBE goal on the cover of the bidding proposal. The contractor can meet the assigned, specified contract DBE goal by subcontracting work to a DBE or by procuring services or materials from 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.
 - (3) For more comprehensive information on the disadvantaged business program, visit the department's Civil Rights and Compliance Section website at:
<https://wisconsindot.gov/Pages/doing-bus/civil-rights/dbe/default.aspx>

2. Definitions

Interpret these terms, used throughout this additional special provision, as follows:

- a. **Bid Percentage:** The DBE percentage indicated in the bidding proposal at the time of bid.
- b. **DBE:** A small business certified as disadvantaged business enterprise (DBE) under the federal DBE program and included on the Wisconsin UCP DBE Directory deemed ready, willing and able.
- c. **DBE goal:** The amount of DBE participation expected in the contract as shown on the cover of the Highway Work Proposal.
- d. **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.
- e. **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.
- f. **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. 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. The bid percentage should demonstrate the efforts of the prime contractor prior to bid. 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. WisDOT Interpretation of Federal DBE Program Provision

Prime contractors must utilize the specific DBEs listed to perform the work and/or supply the materials for which each is listed on the Commitment to Subcontract to DBE Form [DT1506] and approved by WisDOT's DBE office to execute its contract. The approved Commitment to Subcontract to DBE Form [DT1506] becomes a contract document/record.

a. Department's DBE Evaluation Process

WisDOT evaluates DBE using the Commitment to Subcontract to DBE, payments to subcontractors and contract documentation. The prime contractor shall list the specific DBE certified firms and items of work s/he intends to use toward the fulfillment of the assigned DBE contract goal. The prime contractor receives DBE credit for payments made to the DBE firms performing the work listed on the approved Form DT1506.

b. Documentation Submittal

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]. Effective January 1, 2017, the contractor will be required to submit the documentation within 5 business days after bid opening. All necessary supporting documentation including Attachment 'A' forms and/or Good Faith Efforts Form

[DT1202] must be submitted no later than 2 business days from contractor's initial submission of the DT 1506. The contractor must provide a signed Attachment 'A' form to the DBE office within the time limit in order to receive authorization for contract execution; the DBE office reserves the right accept alternate documentation in lieu of the signed form in extenuating circumstances. Documentation must be submitted to the DBE Office by email at DBE_Alert@dot.wi.gov (DBE_Alert@dot.wi.gov) or by postal mail ATTN: DBE Office, PO Box 7965, Madison, WI 53707-7965.

(1) **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 calculation. If the DBE commitment is verified, the contract is eligible for execution with respect to the DBE commitment.

(2) **Bidder Does Not Meet DBE Goal**

- i. 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 Efforts 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 efforts submission.
- ii. The department will evaluate the bidder's good faith effort request and notify the bidder of one of the following:
 - (a) If the department grants a good faith efforts, the bid is eligible for contract execution with respect to DBE commitment.
 - (b) If the department rejects the good faith efforts request, the department may declare the bid ineligible for execution. The department will provide a written explanation of why the good faith efforts request was rejected. The bidder may appeal the department's rejection as allowed under 7 a. & b.

c. **Bidder Fails to Submit Documentation**

If the contractor fails to furnish the Commitment to Subcontract to DBE Form [DT1506] 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.

5. Department's Criteria for Good Faith Effort

Appendix A of 49 CFR Part 26, is the guiding regulation concerning good faith efforts. However, the federal regulations do not explicitly 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 practices to create a process for making a determination of adequate good faith. WisDOT evaluates good faith on a contract basis just as each contract award is evaluated individually.

The department will only approve a contractor's good faith efforts 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 efforts 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.

- a. 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.

b. Prime Contractors should:

- (1) 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.
- (2) Prime contractors may request assistance with DBE outreach and follow-up by contacting the department's DBE Support Services Office by phone or email request at least 14 days prior to the bid letting date. Requesting assistance with outreach is not a decisive factor in the review Good faith effort evaluation. Phone numbers are 414-438-4584 and/or 414-659-0487; Fax: 414-438-5392; E-mail: DOTDBESupportServices@dot.wi.gov.
- (3) 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.
 - i. Solicit quotes from certified DBE firms who match 'possible items to subcontract' using all reasonable and available means. Additionally, forward copies of solicitations highlighting the work areas for which you are seeking quotes to DOTDBESupportServices@dot.wi.gov.
 - ii. 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, at least two Fridays before the letting, to allow DBE firms sufficient time to respond. Prime contractors should contact DBE firms early, asking if they need help organizing their quote, assistance confirming equipment needs, or other assistance supporting their submission of a competitive quote for their services.
 - (c) Second solicitation should take place within 5 calendar days. Email and SBN are the preferred delivery of the follow-up solicitation.
 - iii. 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.
 - iv. When potential exists, the contractor should advise interested DBE firms on how to obtain bonding, line of credit or insurance if requested.
 - v. 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) Signed copy of Bid Express SBN Record of Subcontractor Outreach Effort.

c. Evaluate DBE quotes Documentation is critical if a prime does not utilize the DBE firm's quote for any reason.

- (1) 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 by phone and email regarding their ability to perform the work indicated in the UCP directory listed as their work area by NAICS code. Only the work area and/or NAICS code listed in the UCP directory can be counted toward DBE credit. Documentation of the conversation is required.
- (2) In striving to meet an assigned DBE 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.

- (3) **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.
- i. Compare bid items common to both quotes, noting the reasonableness in the price comparison.
 - ii. 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.
- d. Immediately after notification of contract award, the prime submits all '**Commitment to Subcontract**' forms to the DBE Office. Prime contractor has 5 days to submit the completed form for the DBE firms it intends to use on the contract for DBE credit. If the goal is not met in full, the prime contractor must provide the following information along with WisDOT form DT1202: Certificate of Good Faith Efforts.
- (1) The names, addresses, e-mail addresses, telephone numbers of DBE's contacted. The dates of both initial and follow-up contact.
 - (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. A printed copy of SBN solicitation is acceptable.
 - (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.

The prime contractor must obtain written consent from the DBE Office to change or replace any DBE firm listed on the approved Commitment to Subcontract to DBE Form [DT1506]. If the prime contractor utilizes another contractor, including the use of its own workforce, to perform the work assigned to a DBE on the approved DT1506, the prime contractor will not be entitled to payment for that work. Any changes to DBE after the approval of the DT1506 must be reviewed and approved by the DBE office prior to the change.

6. Use of Joint Checks

The use of joint checks is allowable if it is a commonly recognized business practice in the material industry. A joint check is defined as a two-party check between a DBE, a prime contractor and the regular dealer of materials supplier who is neither the prime nor an affiliate of the prime. Typically, the prime contractor issues one check as payor to the DBE subcontractor and to the supplier jointly (to guarantee payment to the supplier) as payment for the material/supplies used by the DBE in cases where the prime has submitted the DBE and material for DBE credit. The DBE subcontractor gains the opportunity to establish a direct contracting relationship with the supplier to potentially facilitate a business rapport that results in a line of credit or increased partnering opportunities.

The cost of material and supplies purchased by the DBE is part of the value of work performed by the DBE to be counted toward the goal. To receive credit, the DBE must be responsible for negotiating price, determining quality and quantity, ordering the materials, and installing (where applicable) and "paying for the material itself." See 49 CFR 26.55(c)(1).

The approval to use joint checks constitutes a commitment to provide further information to WisDOT, upon request by staff. WisDOT will allow the use of joint checks when the following conditions are met:

- a. The Prime must request permission to use joint checks from the DBE Office by submitting the Application to Use Joint Checks.
 - (1) Request should be made when the DBE Commitment form or Request to Sublet is submitted; the request will not be considered if submitted after the DBE Subcontractor starts its work.
 - (2) Approval/Permission must be granted prior to the issuance of any joint checks.
 - (3) The payment schedule for the supplier must be presented to the DBE office before the first check is issued.
 - (4) The joint check for supplies must be strictly for the cost of supplies.

- b. DBE subcontractor is responsible to furnish and/or install the material/work item. The DBE subcontractor shall not be an 'extra participant' in the transaction; the DBE's role in the transaction cannot be limited solely to signing the check(s) to release payment to the material supplier. At a minimum, the DBE subcontractor's tasks should include the following.
 - (1) The DBE subcontractor (not the prime/payor) negotiates the quantities, price and delivery of materials;
 - (2) The DBE subcontractor consents to sign/release the check to the supplier by signing the Application to Use Joint Checks after establishing the conditions and documentation of payment within the subcontract terms or in a separate written document.

- c. The Prime contractor/payor acts solely as a guarantor,
 - (1) The prime agrees to furnish the check used for the payment of materials/supplies under the contract.
 - (2) The prime contractor/payor cannot require the subcontractor to use a specific supplier or the prime contractors negotiated unit price.

7. Bidder's Appeal Process

- a. A bidder can appeal the department's decision to deny the bidder's good faith effort submission. 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 denial notice of a good faith effort evaluation constitutes a forfeiture of the bidder's right of appeal. A contract cannot be executed without documentation that the DBE provisions have been fulfilled.

- 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 5 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.

8. Department's Criteria for DBE Participation

Directory of DBE firms

- a. The only resource for DBE certified firms certified in the state of Wisconsin is the Wisconsin Unified Certification Program [UCP] DBE List. Wisconsin Department of Transportation maintains a current list of certified DBE firms titled Wisconsin UCP DBE Directory on the website at:
<https://wisconsin.gov/Documents/doing-bus/civil-rights/dbe/dbe-ucp-directory.xlsx>

- b. The DBE office is also available to assist at 414-438-4583 or 608-267-3849.

9. 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 whether the work that is committed and/or contracted to a DBE certified firm can be counted for DBE credit by referencing the work type and NAICS code listed for the DBE firm on the Wisconsin UCP DBE Directory.
- g. It is the prime contractor's responsibility to assess the DBE firm's ability to perform the work for which s/he is committing/contracting the DBE to do. Note that the department encourages the prime contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts.

10. Commercially Useful Function

- a. Commercially useful function is evaluated after the contract has been executed, while the DBE certified firm is performing its work items. A DBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved.
- b. The department uses Form DT1011: DBE Commercially Useful Function Review and Certification to evaluate whether the DBE is performing a commercially useful function. WisDOT counts expenditures of a DBE toward the DBE goal only if the DBE is performing a commercially useful function on that contract.
- c. A DBE is performing a commercially useful function if the following conditions are met:
 - (1) 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.
 - (2) For materials and supplies, the DBE is responsible for negotiating price, determining quality and quantity, ordering, and paying for those materials and supplies.

11. Credit Evaluation for Trucking

All bidders are expected to adhere to the department's current trucking policy posted on the HCCI website at <https://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/trucking-utilization-policy.pdf>

12. Credit Evaluation for Manufacturers, Suppliers, Brokers

The department will calculate the amount of DBE credit awarded to a prime using a DBE firm for the provisions of materials and supplies on a contract-by-contract basis. The department will count the material and supplies that a DBE provides under the contract for DBE credit based on whether the DBE is a manufacturer, supplier or broker. Generally, DBE crediting measures and evaluates the DBE owner's role, responsibility and contribution to the transaction: maximum DBE credit when the DBE manufactures materials or supplies; DBE credit decreases when the DBE solely supplies material and minimal credit is allotted when the DBE's role is administrative or transactional.

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.

a. Manufacturers

- (1) A manufacturer is 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 and of the general character described by the specifications.
- (2) If the materials or supplies are obtained from a DBE manufacturer, count **100%** percent of the cost of the materials or supplies toward DBE goals.

b. Regular Dealers of Material and/or Supplies

- (1) A regular dealer is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business.
- (2) If the materials or supplies are purchased from a DBE regular dealer, count **60%** percent of the cost of the materials or supplies toward DBE goals.
- (3) At a minimum, a regular dealer must meet the following criteria to be counted for DBE credit:
 - i. The DBE firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question.
 - ii. The DBE firm must both own and operate distribution equipment for the product--bulk items such as petroleum products, steel, cement, gravel, stone, or asphalt. If some of the distribution equipment is leased, the lease agreement must accompany the DBE Commitment form for evaluation of the dealer's control before the DBE office approves the DBE credit.

c. Brokers, Transaction Expeditors, Packagers, Manufacturers Representatives

- (1) No portion of the cost of the materials, supplies, services themselves will count for DBE credit; however, WisDOT will evaluate the fees or commissions charged when a prime purchases materials, supplies or services from a DBE certified firm which is neither a manufacturer nor a regular dealer, namely: brokers, packagers, manufacturers' representatives or other persons who arrange or expedite transactions.
- (2) Brokerage fees have historically been calculated as **10%** of the purchase amount.
- (3) WisDOT may count the amount of fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site.
- (4) The evaluation will review the contract need for the item/service, review the sub-contract or invoice for the item/service, compare the fees customarily allowed for similar services to determine whether they are reasonable.

When DBE suppliers are contracted, additional documentation must accompany the DT1506 and Attachment 'A' forms. An invoice or bill-of-sale that includes the company names of the bidder and the DBE supplier and documentation of the calculations used as the basis for the purchase agreement, subcontract or invoice. *WisDOT recognizes that the amount on the Attachment 'A' form may be more or less than the amount on the invoice.* Please respond to the following questions and submit with your DBE Commitment Form.

1. What is the product or material?
2. Is this item in the prime's inventory or was the item purchased when contract was awarded?
3. Which contract line items were referenced to develop this quote?
4. What is the amount of material or product used on the project?

13. Credit Evaluation for DBE Primes

Wisconsin DOT calculates DBE credit based on the amount and type of work performed by DBE certified firms. If the prime contractor is a DBE certified firm, the department will only count the work that DBE prime contractor performs with its own forces for DBE credit. We will also calculate DBE credit for the work performed by any other DBE certified subcontractor, DBE certified supplier, DBE certified manufacturer on that contract in that DBE's approved work areas/NAICS code. Crediting for manufacturers and suppliers is calculated consistent with paragraph 12 of this document and 49 CFR Part 26.

14. 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 for DBE credit.

15. Mentor Protégé

- a. If a DBE performs as a participant in a mentor protégé agreement, the department will count for credit the portion of the work performed by the DBE protégé firm.
- b. DBE credit will be evaluated and confirmed by the DBE Office for any contracts on which the mentor protégé team identifies itself to the DBE Office as a current participant of the Mentor Protégé Program.
- c. Refer to WisDOT's Mentor Protégé guidelines for guidance on the number of contracts and amount of DBE credit that can be counted on any WisDOT project.

16. DBE Replacement or Termination

Contractual Requirement

The contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the contractor obtains written consent from the Department's DBE Office. If the Department does not provide consent to replace or terminate a DBE firm, the prime contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the listed DBE.

Contractor Considerations

- a. A prime contractor cannot terminate and/or replace a DBE subcontractor listed on the approved Commitment to Subcontract to DBE Form [DT1506] without prior written consent from the DBE Office. This includes, but is not limited to, instances in which a prime contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm.

- b. If a prime contractor feels it is necessary to replace or terminate a DBE firm that has been approved for DBE credit toward its contract, s/he will be required to provide reasons and documentation to support why the prime cannot fulfill the contractual commitment that it made to the Department regarding the DBE utilization.
- c. Prime contractor is required to make affirmative efforts to find another DBE subcontractor to perform at least the same amount of work under the contract as the DBE that was terminated, to the extent needed to meet the assigned DBE contract goal.
- d. In circumstances when a DBE subcontractor fails to complete its work on the contract for any reason or is terminated from a contract, the prime contractor is expected to make affirmative efforts to maintain its commitment to the assigned DBE goal.
- e. The DBE firm should communicate with the prime contractor regarding its schedule and capacity in the context of the contract. If the DBE anticipates that it cannot fulfill its subcontract, s/he shall advise the prime contractor and suggest a DBE that may replace their services or provide written consent to be released from its subcontract.
 - (1) Before the prime contractor can request to terminate or substitute a DBE firm; s/he must:
 - i. Make every effort to fulfill the DBE commitment by working with the listed DBE to ensure that they are fully knowledgeable of your expectations for successful performance on the contract. Document these efforts in writing.
 - ii. If those efforts fail, provide written notice to the DBE subcontractor of your *intent* to request to terminate and/or replace the firm including the reason(s) you want to pursue this action.
 - iii. Copy the DBE Office on all correspondence related to changing a DBE firm who has been approved for DBE credit on a contract including the preparation and coordination efforts with the DBE on the contract.
 - iv. Clearly state the amount of time the DBE firm has to remedy and/or respond to your notice of intent to replace/terminate their firm from the contract. The DBE shall be allowed five days to respond, in writing. **EXCEPTION:** The prime contractor must provide a verifiable reason for a response period shorter than five days. For example a WisDOT project manager must verify that waiting 5 days for a DBE performing traffic control work to respond would affect the public safety.
 - v. The DBE subcontractor must forward a written response to the prime contractor and copy the DBE Office. The written response must outline why it objects to the proposed termination of its subcontract and list the reasons that WisDOT should not approve the request for their firm to be replaced or removed from the contract.

The Request to Replace or Terminate a DBE

The prime contractor must provide a written request to replace or terminate a DBE firm that has been approved for DBE credit on a WisDOT contract. The written request can be an email or printed document delivered by email or fax; at minimum, the request must contain the following:

1. Contract ID number.
2. Wisconsin DOT Contract Project Manager name and contact information.
3. DBE name and work type and/or NAICS code.
4. Contract's progress schedule.
5. Reason(s) for requesting that the DBE be replaced or terminated.
6. Attach/include all communication with the DBE to deploy/address/resolve work completion,

WisDOT will review your request and any supporting documentation that you submit to evaluate whether the circumstance and the reasons constitute a good cause for replacing or terminating the DBE that was approved for DBE credit on that contract.

Examples of Good Causes to Replace a DBE according to the federal DBE program guidelines {49 CFR part 26.53}

- The listed DBE subcontractor fails or refuses to execute a written contract.
- The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor.
- The listed DBE subcontractor fails or refuses to meet the prime contractor's reasonable, nondiscriminatory bond requirements.
- The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness.
- The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1,200 or applicable state law.
- You have determined that the listed DBE subcontractor is not a responsible contractor.
- The listed DBE subcontractor voluntarily withdraws from the project and provides to you written notice of its withdrawal.
- The listed DBE is ineligible to receive DBE credit for the type of work required.
- A DBE owner dies or becomes disabled with the result that the listed DBE contractor is unable to complete its work on the contract.

Evaluation and Response to the Request

If WisDOT determines that your reasons comply with the good cause standards; the DBE office will send the prime contractor and the WisDOT project manager an email stating that we concur with the reasons and approve the replacement or termination.

If WisDOT determines that your reasons do not comply with the good cause standards of the federal DBE program, the DBE Office will send the prime contractor an email that includes *the requirement* to utilize the committed DBE, *remedial actions* to support the completion of the contractual commitment, a list of available WisDOT support services *and administrative remedies that may be invoked* for failure to comply with federal DBE guidelines for DBE replacement.

The Wisconsin Department of transportation contact for all actions related to replacing a DBE is the DBE Program Chief and/or the DBE Program Engineer which can be reached at DBE_Alert@dot.wi.gov or by calling 608-267-3849.

17. DBE Utilization beyond the approved DBE Commitment Form DT1506

If the Prime/subcontractor increases the scope of work for a participating DBE or adds a DBE subcontractor that was not on the approved Form DT1506 at any time after contract award, s/he should follow these steps so that the participation can be accurately credited toward the DBE goal.

- a. Send an email to the DBE Engineer at DBE_Alert@dot.wi.gov describing the work to be performed by the new DBE including the proposed schedule or duration, DBE name and contact information. You may also call the DBE Engineer at 414-659-0487 to notify him of the change verbally.
If the scope change added work for a participating DBE; list the date and reason for the scope change.
- b. Forward a complete, signed Attachment 'A' form to the DBE Office at DBE_Alert@dot.wi.gov. A complete Attachment A includes DBE contact information, signature, subcontract value and proper description of the work areas to be performed by the DBE.
The DBE office will confirm the DBE participation and revise the DT1506 based on the email/discussion and attach the new/revised Attachment A to the Contract record/documentation.

18. 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.

19. 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 <https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/default.aspx>

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 alternatives 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 <https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/default.aspx>

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 someone contact me at this number

<p>Prime Contractor 's Contact Person</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>Phone: _____</p> <p>Fax: _____</p> <p>Email: _____</p> <p>_____</p>	<p>DBE Contractor Contact Person</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>Phone: _____</p> <p>Fax: _____</p> <p>Email: _____</p> <p>_____</p>
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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 alternatives 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

- Ø Prime contractor open houses inviting DBE firms to see the bid “war room” or providing technical assistance.
- Ø Participate in speed networking and mosaic exercises as arranged by DBE office.
- Ø Host information sessions not directly associated with a bid letting.
- Ø Participate in a formal mentor protégé or joint venture with a DBE firm.
- Ø Participate in WisDOT advisory committees i.e. TRANSAC, or Mega Project committee meetings.
- Ø Facilitate a small group DBE ‘training session’ Clarifying how your firm prepares for bid letting, evaluates subcontractors, preferred qualifications and communication methods.
- Ø Encourage subcontractors to solicit and highlight DBE participation in their quotes to you.
- Ø 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

- Ø DBE firms should contact primes as soon as possible with questions regarding their quotes or bid; seven days prior is optimal.
- Ø Continually check for contract addendums on the HCCI website through the Thursday prior to letting to stay abreast of changes.
- Ø Review the status of contracts on the HCCI website reviewing the ‘apparent low bidder’ list, and bid tabs at a minimum.
- Ø 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.
- Ø Participate in DBE office assessment programs.
- Ø Participate on advisory and mega-project committees.
- Ø Sign up to receive the DBE Contracting Update.
- Ø Consider membership in relevant industry or contractor organizations.
- Ø 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 a 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:

104.3 Contractor Notification

Replace the entire text with the following effective with the December 2019 letting:

104.3.1 General

- (1) Subsection 104.3 specifies the step-by-step communication process to be followed to expedite the resolution of potential contract revisions identified by the contractor. Both contractor actions and department responses are outlined. The contractor's non-compliance with the requirements of 104.3 may constitute a waiver of entitlement to a pay adjustment under 109.4 or a time extension under 108.10. The department and contractor can mutually agree to extend any time frame specified throughout 104.3.

104.3.2 Contractor Initial Oral Notification

- (1) If required by 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, the contractor must promptly provide oral notification to the project engineer. Upon notification, the project engineer will attempt to resolve the identified issue.

104.3.3 Contractor 5-Day Written Statement

- (1) If the project engineer has not responded or resolved the identified issue within 5 business days after receipt of initial notification, provide a contractor written statement to the project engineer in the following format:

Part 1 - Executive Summary *(label page 1.1 through page 1.x)*

Include a detailed, factual statement of the request for additional compensation and contract time. Include the date the issue was identified, the date initial notification was given to the project engineer, and the dates and specific locations of work involved.

Part 2 - Contractor's Basis of Entitlement *(label page 2.1 through page 2.x)*

Include references to relevant contract provisions and a narrative summarizing how the contract provisions support the request for a revision to the original contract.

Part 3 - Contractor's Request for Damages *(label page 3.1 through page 3.x)*

When requesting additional compensation, include an itemized list of costs with a narrative supporting the requested amount and explaining how the costs are tied to the requested contract revision.

When requesting additional contract time, include a copy of the schedule that was in effect when the issue occurred and a detailed narrative explaining how the issue impacted controlling items of work. Provide a time impact analysis utilizing base and updated schedules.

If the full extent of either compensation or time is not known at the date of submittal of the contractor 5-Day written statement, provide a brief statement as to why, and include estimated compensation and time.

Part 4 - Supporting Documentation *(label page 4.1 through page 4.x)*

Include copies of the following:

- A. Relevant excerpts from specifications, special provisions, plans, change orders, or other contract documents.
 - B. Communication on the issue, including: letters, e-mails, meeting minutes, etc.
 - C. Any other documentation to support or clarify the contractor's position, including: daily work records, cost summary sheets, weigh tickets, test results, sketches, etc.
- (2) With the submittal of the written statement, the contractor may also request a meeting with the region.

104.3.4 Region One-Day Written Acknowledgment

- (1) Within one business day after the contractor provides the 5-day written statement, the project engineer will provide a region one-day written acknowledgment to the contractor. The project engineer will continue to resolve the issue.

104.3.5 Region 5-Day Written Response

- (1) Within 5 business days after receiving the contractor 5-day written statement, the project engineer may request specific additional information to allow the project engineer to decide whether item 1 or 2 of 104.3.6(1) applies. The project engineer will state the information needed and date it is to be

received for further review. Submit additional information as an amendment to the contractor 5-day written statement.

104.3.6 Region Final Decision

- (1) Within 10 business days after receiving the contractor 5-day written statement or additional information requested in 104.3.5(1), whichever comes last, the region will consider all information and provide a region final decision in writing to the contractor with one or more of the following responses:
 1. The region will confirm that the contractor is entitled to a contract revision and a contract change order is necessary as specified in 104.2. The project engineer will give direction concerning the potential change.
 2. The region will deny that the contractor is entitled to a contract revision. The project engineer will provide a statement as to why the issue is not a change to the contract. At a minimum, the project engineer will respond to the contractor's issues and refer to the contract to show why the issues are not a change from the original contract.
 - (2) If the contractor does not agree with the region's decision the contractor may pursue the issue as a claim as specified in 105.13. Alternatively, if the contractor and department mutually agree, the department will get a third-party advisory opinion according to the department's dispute resolution procedures.
 - (3) If a third party reviews the issue, their recommendation is not binding on either party. The region has 10 business days after receipt of the third party's written recommendation to render a decision. If the department fails to respond in writing within those 10 business days or the contractor disagrees with the region's decision, the contractor may pursue the issue as a claim as specified in 105.13.
-

104.6.1.2.1 General

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Conduct construction operations and provide facilities required to maintain the portion of the project open to the public in a condition that safely and adequately accommodates public traffic. Use barricades, signs, flaggers, and temporary barrier as specified in part VI, of the WMUTCD and ensure that the contractor's use of the right-of-way conforms to 107.9. Throughout the life of the contract, and as the engineer directs, conduct construction operations and provide facilities as follows:
 - Conduct flagging operations conforming to plan details and the department's flagging handbook.
 - Use drums, barricades, and temporary barrier to delineate and shield abrupt drop-offs and other hazards.
 - Furnish, erect, and maintain traffic control devices and facilities conforming to 643.
 - Furnish, erect, and maintain temporary pedestrian devices and facilities conforming to 644.
-

104.6.1.2.2 Flagging

Replace paragraph three with the following effective with the December 2019 letting:

- (3) Provide associated advanced warning signs that meet the retroreflective requirements of 637.2.2.2. Provide temporary portable rumble strips from the department's APL installed according to manufacturer's instructions and as specified in the flagging plan details. Provide guidance service through the worksite using pilot vehicles if required.

Replace paragraph five with the following effective with the December 2019 letting:

- (5) Flagging is incidental to the contract and includes costs for advance signing, temporary portable rumble strips, and pilot vehicle guidance service.

104.8 Rights in the Use of Materials Found on the Project

Replace paragraph two with the following effective with the December 2019 letting:

- (2) Do not excavate or remove material from within the right-of-way that is not within the vertical and horizontal excavation limits the plans show except as follows:
- If the contract does not identify potential source areas, obtain written authorization from the engineer to use those sources. Complete required environmental documentation and obtain necessary permits. The department will reduce pay by \$1.50 per cubic yard under the Material from Right-of-Way administrative item for material obtained from those areas.
 - If the contract identifies potential source areas that were evaluated and permitted in the original environmental document, do not begin excavating in those areas until the engineer allows in writing. Additional environmental documentation and environmental permits are not required. The department will not reduce pay for material obtained from those areas.

The department may suspend use of these sources if the contractor's operation affects the essential functions or characteristics of the project.

104.10.1 General

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Subsection 104.10 specifies a 2-step process for contractors to follow in submitting a cost reduction incentive (CRI) for modifying the contract in order to reduce direct construction costs computed at contract bid prices. The initial submittal is referred to as a CRI concept and the second submittal is a CRI proposal. The contractor and the department will equally share all savings generated to the contract due to a CRI as specified in 104.10.4.2(1). The department encourages the contractor to submit CRI concepts for the following situations:
1. The contractor generates the original cost savings idea and formulates it into a concept.
 2. The department generates the original cost savings idea and obtains the contractor's assistance to formulate the idea into a concept.

Replace paragraph five with the following effective with the December 2019 letting:

- (5) The department will consider a CRI that changes but does not impair the essential functions or characteristics of the project. These functions or characteristics include, but are not limited to, appearance, service life, economy of operations, ease of maintenance, design, and safety of structures and pavements, construction phasing or procedures, or other contract requirements. The department will not consider a CRI that changes the following:
- Permanent pavement type.
 - Permanent structural cross section above the subgrade.
-

104.10.2 Submittal and Review of a CRI Concept

Replace paragraphs five and six with the following effective with the December 2019 letting:

- (5) The department may consider a CRI concept that addresses a potential change under 104.2.
- (6) The department will not implement a contractor-initiated CRI concept, or portion of that concept, without sharing the cost savings with the contractor as specified in 104.10.4.2.
- (7) The savings generated by the CRI must be sufficient to warrant its review and processing and offset the level of risk. The department will assess the risk of the CRI relative to departmental design policies and criteria for the project. The department may reject a CRI concept for the following reasons:
1. It requires excessive time or costs for the contractor to develop the CRI proposal.
 2. It requires excessive time or costs for review, evaluation, investigation, or implementation.
 3. It introduces an inappropriate level of risk.

104.10.4.2 Payment for the CRI Work

Replace paragraph one with the following effective with the December 2019 letting:

- (1) The department will pay for completed CRI work as specified for progress payments under 109.6. The department will pay for CRI's under the Cost Reduction Incentive administrative item. When all CRI costs are determined, the department will execute a contract change order that does the following:
 1. Adjusts the contract time, interim completion dates, or both.
 2. Pays the contractor for the unpaid balance of the CRI work.
 3. Pays the contractor 50 percent of the net savings resulting from the CRI, calculated as follows:

$$NS = CW - CRW - CC - DC$$

Where:

NS = Net Savings

CW = The cost of the work required by the original contract that is revised by the CRI. CW is computed at contract bid prices if applicable.

CRW = The cost of the revised work, computed at contract bid prices if applicable.

CC = The contractor's cost of developing the CRI proposal.

DC = The department's cost for investigating, evaluating, and implementing the CRI proposal.

105.13 Claims Process for Unresolved Changes

Replace the entire text with the following effective with the December 2019 letting:

105.13.1 General

- (1) Before submitting a claim, the department and contractor can mutually agree to have the department get a third-party advisory opinion as specified in 104.3.6.
- (2) The department and contractor can mutually agree to extend any time frame specified throughout 105.13 and can mutually agree to utilize an alternative dispute resolution method at any point before the department renders its final decision.
- (3) The department and contractor share costs related to referral to a dispute review board (DRB) as prescribed in the department's dispute resolution procedures.

105.13.2 Notice of Claim

- (1) If the contractor has followed the procedures for revising the contract specified in 104.2 and provided the notification specified in 104.3, but still disagrees with the region, the contractor may pursue the issue as a claim. File a notice of claim with the project engineer concerning the disagreement within 14 calendar days of receiving the region's decision under 104.3.6(1).
- (2) The project engineer may deny the applicable portion of a claim if the contractor does not do the following:
 1. File the notice of claim within 14 calendar days as specified in 105.13.2(1).
 2. Give the project engineer sufficient access to keep a record of the actual labor, materials, and equipment used to perform the claimed work.

- (3) Upon filing the notice of claim, maintain records as specified for force account statements in 109.4.5. Unless the project engineer issues a suspension, continue to perform the disputed work. The department will continue to make progress payments to the contractor as specified in 109.6.

105.13.3 Submission of Claim

- (1) Submit the claim to the project engineer as promptly as possible following the submission of the Notice of Claim, but not later than the end of the time allowed under 109.7 for the contractor to respond in writing to the engineer-issued semi-final estimate. If the contractor does not submit the claim within that response time, the department will deny the claim.
- (2) The department will not accept the submission of a claim until the resolution process in 104.3 has been completed and the contractor makes no further requests to submit updated information that may affect the region's final decision.

105.13.4 Content of Claim

- (1) The final contractor written statement under 104.3.3 is considered the content of the claim. If the contractor makes a request to submit updated information that may affect the region’s final decision under 104.3.6, submit the updated information as an amendment to the contractor written statement and continue the resolution process in 104.3 before submitting a claim.
- (2) The department may refer the claimant of a false claim to the appropriate authority for criminal prosecution. Certify the claim using the following form:

The undersigned is duly authorized to certify this claim on behalf of (the contractor).

(The contractor) certifies that this claim is made in good faith, that the supporting data are accurate and complete to the best of (the contractor's) knowledge and belief, and that the amount requested accurately reflects the contract adjustment for which (the contractor) believes that the department is liable.

(THE CONTRACTOR)

By: _____
(Name and Title)

Date of Execution: _____

105.13.5 Department Final Decision

- (1) The department will have up to 28 calendar days, from the contractor's submission of the claim, to perform a final review of the claim and conduct all meetings. The department may request, in writing, that the contractor submit additional information related to the claim. Submit that additional information, or notify the department in writing to base its decision on the information previously submitted. Either the contractor or region may request a meeting to present their views. Before the meeting, both parties will agree upon written ground rules for the meeting.
- (2) Upon completion of the 28 calendar days for the department’s review and meetings, the department will have up to 21 calendar days to render a written decision. The department will consider written and oral submissions from the contractor and region, and may consider other relevant information in the project records.
- (3) The department will provide the following in its final decision:
 - 1. A concise description of the claim.
 - 2. A clear, contractual basis for its decision that includes a reference to 104.2 on revisions to the contract and as appropriate, specific reference to language regarding the bid items in question.
 - 3. Other facts the department relies on to support its decision.
 - 4. A concise statement of the circumstances surrounding the claim and reasons for its decision. If the department rejects the claim in whole or in part, the department will explain why the claimed work is not a change to the contract work.
 - 5. The amount of money or other relief, if any, the department will grant the contractor.
- (4) If the contractor disagrees with the department's final decision, the contractor may initiate a legal action pursuant to state statutes.

106.3.4.2.2.2 Freeze-Thaw Soundness

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Perform freeze-thaw soundness testing according to AASHTO T103 as modified in CMM 8-60.2. Provide freeze/thaw soundness test results based on the fraction retained on the No. 4 sieve as follows:
 - 1. Using virgin crushed stone aggregates produced from limestone/dolomite sources in one or more of the following counties or from out of state:

Brown	Columbia	Crawford	Dane	Dodge
Fond du Lac	Grant	Green	Green Lake	Iowa
Jefferson	Lafayette	Marinette	Oconto	Outagamie
Rock	Shawano	Walworth	Winnebago	
 - 2. Using gravel aggregates produced from pit sources in one or more of the following counties or from out of state:

Dodge	Washington	Waukesha		
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208.5 Payment

Replace paragraph three with the following effective with the December 2019 letting:

- (3) The department will adjust pay for material obtained from within the project right-of-way limits but outside project excavation limits, furnished under 208.2.2, as specified in 104.8.

301.2.3 Sampling and Testing

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Department and contractor testing shall conform to the following:

Sampling ^[1]	AASHTO T2
Percent passing the 200 sieve.....	AASHTO T11
Gradation ^[1]	AASHTO T27
Gradation of extracted aggregate.....	AASHTO T30
Moisture content ^[1]	AASHTO T255
Liquid limit.....	AASHTO T89
Plasticity index.....	AASHTO T90
Wear.....	AASHTO T96
Sodium sulfate soundness (R-4, 5 cycles).....	AASHTO T104
Freeze/thaw soundness ^[1]	AASHTO T103
Lightweight Pieces in Aggregate.....	AASHTO T113
Fracture.....	ASTM D5821 as modified in CMM 8-60
Moisture/density ^[1]	AASHTO T99 and AASHTO T180
In-place density ^[1]	AASHTO T191
Asphaltic material extraction.....	CMM 8-36 WisDOT Test Method 1560

^[1] As modified in CMM 8-60.

301.2.4.5 Aggregate Base Physical Properties

Replace paragraph one with the following effective with the December 2019 letting:

(1) Furnish aggregates conforming to the following:

TABLE 301-2 AGGREGATE BASE PHYSICAL PROPERTIES

PROPERTY	CRUSHED STONE	CRUSHED GRAVEL	CRUSHED CONCRETE	RECLAIMED ASPHALT	REPROCESSED MATERIAL	BLENDED MATERIAL
Gradation AASHTO T27						
dense	305.2.2.1	305.2.2.1	305.2.2.1	305.2.2.2	305.2.2.1	305.2.2.1 ^[1]
open-graded	310.2	310.2	not allowed	not allowed	not allowed	not allowed
Wear AASHTO T96 loss by weight	<=50%	<=50%	note ^[2]	—	note ^[2]	note ^[3]
Sodium sulfate soundness AASHTO T104 loss by weight						
dense	<=18%	<=18%	—	—	—	note ^[3]
open-graded	<=12%	<=12%	not allowed	not allowed	not allowed	not allowed
Freeze/thaw soundness AASHTO T103 ^[6] loss by weight						
dense	<=18%	<=18%	note ^[2]	—	—	note ^[3]
open-graded	<=18%	<=18%	not allowed	not allowed	not allowed	not allowed
Liquid limit AASHTO T89	<=25	<=25	<=25	—	—	note ^[3]
Plasticity AASHTO T90	<=6 ^[4]	<=6 ^[4]	<=6 ^[4]	—	—	note ^[3]
Fracture ASTM D5821 ^[6] min one face by count						
dense	58%	58%	58%	—	note ^[5]	note ^[3]
open-graded	90%	90%	not allowed	not allowed	not allowed	not allowed

^[1] The final aggregate blend must conform to the specified gradation.

^[2] No requirement for material taken from within the project limits. For material supplied from a source outside the project limits:

- LA wear maximum of 50 percent loss, by weight.
- Freeze thaw maximum of 42 percent loss, by weight.

^[3] Required as specified for the individual component materials defined in columns 2 - 6 of the table before blending.

^[4] For base placed between old and new pavements, use crushed stone, crushed gravel, or crushed concrete with a plasticity index of 3 or less.

^[5] >=75 percent by count of non-asphalt coated particles.

^[6] as modified in CMM 8-60.

450.2.2 Aggregate Sampling and Testing

Replace paragraph one with the following effective with the December 2019 letting:

- (1) The department and the contractor will sample and test according to the following methods, except as revised with the engineer's approval:
- | | |
|--|-------------|
| Sampling aggregates..... | AASHTO T2 |
| Material finer than No. 200 sieve | AASHTO T11 |
| Sieve analysis of aggregates..... | AASHTO T27 |
| Mechanical analysis of extracted aggregate..... | AASHTO T30 |
| Sieve analysis of mineral filler | AASHTO T37 |
| Los Angeles abrasion of coarse aggregate | AASHTO T96 |
| Freeze-thaw soundness of coarse aggregate ^[1] | AASHTO T103 |
| Sodium sulfate soundness of aggregates (R-4, 5 cycles)..... | AASHTO T104 |
| Extraction of bitumen..... | AASHTO T164 |

^[1] As modified in CMM 8-60.2.

450.3.2.6.3 Compaction Roller Pattern Determined by Growth Curve

Add 450.3.2.6.3 as a new subsection effective with the December 2019 letting:

450.3.2.6.3 Compaction Roller Pattern Determined by Growth Curve

- (1) When specified in 460.3.3.1, compact asphaltic mixture using the roller pattern established during construction of a control strip. Use 2 or more rollers per paver if placing more than 165 tons per hour.
- (2) On the first day of production, construct a control strip under the direct observation of department personnel. After compacting the control strip with a minimum of 3 passes, mark the gauge outline and take a one-minute wet density measurement using a nuclear density gauge in back scatter mode at a single location. Take a density measurement at the same location after each subsequent pass. Continue compacting and testing until the increase in density is less than 1 pcf for 3 consecutive passes. Submit the final roller pattern to the engineer in writing. Once the roller pattern is established do not change the pattern or decrease the number, type, or weight of rollers without the engineer's written approval.
- (3) After establishing the roller pattern, and under the direct observation of the engineer, cut at least one 4-inch diameter or larger core from the control strip density gauge outline. Prepare cores and determine density according to AASHTO T166. Dry cores after testing. Fill core holes and obtain engineer approval before opening to traffic. The department will maintain custody of cores throughout the entire sampling and testing process. The department will label cores, transport cores to testing facilities, witness testing, store dried cores, and provide subsequent verification testing.

450.3.2.8 Jointing

Replace paragraph three with the following effective with the December 2019 letting:

- (3) Construct notched wedge longitudinal joints for mainline paving of HMA layers 1.75 inches or greater. Extend the wedge beyond the normal lane width as the plans show or as the engineer directs.

Replace paragraph five with the following effective with the December 2019 letting:

- (5) Construct the wedge for each layer using an engineer-approved strike-off device that will provide a uniform slope and will not restrict the main screed. Shape and compact the wedge with a weighted steel side roller wheel or vibratory plate compactor the same width as the wedge. Apply a tack coat to the wedge surface and both notches before placing the adjacent lane.
- (6) Clean longitudinal and transverse joints coated with dust and, if necessary, paint with hot asphaltic material, a cutback, or emulsified asphalt to ensure a tightly bonded, sealed joint.

455.2.5 Tack Coat

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Under the Tack Coat bid item, furnish type SS-1h, CSS-1h, QS-1h, CQS-1h, or modified emulsified asphalt with an "h" suffix, unless the contract specifies otherwise.

460.2.2.3 Aggregate Gradation Master Range

Replace paragraph one with the following effective with the December 2019 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	PERCENT PASSING DESIGNATED SIEVES							
	NOMINAL SIZE							
	No. 1 (37.5 mm)	No. 2 (25.0 mm)	No.3 (19.0 mm)	No. 4 (12.5 mm)	No. 5 (9.5 mm)	No. 6 (4.75 mm)	SMA No. 4 (12.5 mm)	SMA No. 5 (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	100	58 - 80	90 - 100
4.75-mm	___	___	___	___	90 max	90 - 100	25 - 35	35 - 45
2.36-mm	15 - 41	19 - 45	23 - 49	28 - 58	32 - 67	90 max	15 - 25	18 - 28
1.18-mm	___	___	___	___	___	30 - 55	___	___
0.60-mm	___	___	___	___	___	___	18 max	18 max
0.075-mm	0 - 6.0	1.0 - 7.0	2.0 - 8.0	2.0 - 10.0	2.0 - 10.0	6.0 - 13.0	8.0 - 11.0	8.0 - 12.0
% VMA	11.0 min	12.0 min	13.0 min	14.0 min ^[1]	15.0 min ^[2]	16.0 - 17.5	16.0 min	17.0 min

^[1] 14.5 for LT and MT mixes.

^[2] 15.5 for LT and MT mixes.

460.2.7 HMA Mixture Design

Replace paragraph one with the following effective with the December 2019 letting:

- (1) For each HMA mixture type used under the contract, develop and submit an asphaltic mixture design according to CMM 8-66 and conforming to the requirements of table 460-1 and table 460-2. Ensure that SMA mixture designs adhere to AASHTO R 46 and AASHTO M 325 in addition to the required test procedures outlined in CMM 8-66 table 1 and CMM 8-66 table 2. Determine the specific gravity of fines or super fines used as a mineral filler or additional stabilizer in SMA designs according to AASHTO T 100. The values listed are design limits; production values may exceed those limits. The department will review mixture designs and report the results of that review to the designer according to CMM 8-66.

TABLE 460-2 MIXTURE REQUIREMENTS

Mixture type	LT	MT	HT	SMA
LA Wear (AASHTO T96)				
100 revolutions(max % loss)	13	13	13	13
500 revolutions(max % loss)	50	45	45	35
Soundness (AASHTO T104) (sodium sulfate, max % loss)	12	12	12	12
Freeze/Thaw (AASHTO T103 as modified in CMM 8-60.2) (specified counties, max % loss)	18	18	18	18
Fractured Faces (ASTM D5821 as modified in CMM 860) (one face/2 face, % by count)	65/___	75 / 60	98 / 90	100/90
Flat & Elongated (ASTM D4791) (max %, by weight)	5 (5:1 ratio)	5 (5:1 ratio)	5 (5:1 ratio)	20 (3:1 ratio)
Fine Aggregate Angularity (AASHTO T304, method A, min)	40 ^[1]	43 ^[1]	45	45
Sand Equivalency (AASHTO T176, min)	40	40 ^[2]	45	50
Clay Lumps and Friable Particle in Aggregate (AASHTO T112)	<= 1%	<= 1%	<= 1%	<= 1%
Plasticity Index of Material Added to Mix Design as Mineral Filler (AASHTO T89/90)	<= 4	<= 4	<= 4	<= 4
Gyratory Compaction				
Gyrations for Nini	6	7	8	7
Gyrations for Ndes	40	75	100	65
Gyrations for Nmax	60	115	160	100
Air Voids, %Va (%Gmm Ndes)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.5 (95.5)
% Gmm Nini	<= 91.5 ^[3]	<= 89.0 ^[3]	<= 89.0	___
% Gmm Nmax	<= 98.0	<= 98.0	<= 98.0	<= 98.0
Dust to Binder Ratio ^[4] (% passing 0.075/Pbe)	0.6 - 1.2 ^[5]	0.6 - 1.2 ^[5]	0.6 - 1.2 ^[5]	1.2 - 2.0
Voids filled with Binder (VFB or VFA, %)	68 - 80 ^{[6] [8]}	65 - 75 ^{[6] [7] [9]}	65 - 75 ^{[6] [7] [9]}	70 - 80
Tensile Strength Ratio (TSR) (AASHTO T283) ^{[10] [11]}				
no antistripping additive	0.75 min	0.75 min	0.75 min	0.80 min
with antistripping additive	0.80 min	0.80 min	0.80 min	0.80 min
Draindown (AASHTO T305) (%)	___	___	___	<= 0.30
Minimum Effective Asphalt Content, Pbe (%)	___	___	___	5.5

^[1] For No 6 (4.75 mm) nominal maximum size mixes, the specified fine aggregate angularity is 43 for LT and 45 MT mixes.

^[2] For No 6 (4.75 mm) nominal maximum size mixes, the specified sand equivalency is 43 for MT mixes.

^[3] The percent maximum density at initial compaction is only a guideline.

^[4] For a gradation that passes below the boundaries of the caution zone (ref. AASHTO M323), the dust to binder ratio limits are 0.6 - 1.6.

^[5] For No 6 (4.75 mm) nominal maximum size mixes, the specified dust to binder ratio limits are 1.0 - 2.0 for LT mixes and 1.5 - 2.0 for MT and HT mixes.

^[6] For No. 6 (4.75mm) nominal maximum size mixes, the specified VFB is 67 - 79 percent for LT mixes and 66 - 77 percent for MT and HT mixes.

^[7] For No. 5 (9.5mm) and No. 4 (12.5 mm) nominal maximum size mixtures, the specified VFB range is 70 - 76 percent.

^[8] For No. 2 (25.0mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

^[9] For No. 1 (37.5mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

^[10] WisDOT eliminates freeze-thaw conditioning cycles from the TSR test procedure.

^[11] Run TSR at asphalt content corresponding to 3.0% air void regressed design, or 4.5% air void design for SMA, using distilled water for testing.

460.2.8.2.1.3.1 Contracts with 5000 Tons of Mixture or Greater

Replace paragraph four with the following effective with the December 2019 letting:

- (4) Use the test methods identified below, or other methods the engineer approves, to perform the following tests at the frequency indicated:

Blended aggregate gradations:

Drum plants:

- Field extraction by ignition oven according to AASHTO T308 as modified in CMM 8-36.6.3.6, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to ASTM D8159 as modified in CMM 8-36.6.3.1. Gradation of resulting aggregate sample determined according to AASHTO T30.
- Belt samples, optional for virgin mixtures, obtained from stopped belt or from the belt discharge using an engineer-approved sampling device and performed according to AASHTO T11 and T27.

Batch plants:

- Field extraction by ignition oven according to AASHTO T308 as modified in CMM 8-36.6.3.6, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to ASTM D8159 as modified in CMM 8-36.6.3.1. Gradation of resulting aggregate sample determined according to AASHTO T30.

Asphalt content (AC) in percent:

AC by ignition oven according to AASHTO T308 (CMM 8-36.6.3.6), by chemical extraction according to AASHTO T-164 method A or B; or by automated extraction according to ASTM D8159 as modified in CMM 8-36.6.3.1. Gradation of resulting aggregate sample determined according to AASHTO T30.

Bulk specific gravity of the compacted mixture according to AASHTO T166.

Maximum specific gravity according to AASHTO T209.

Air voids (V_a) by calculation according to AASHTO T269.

VMA by calculation according to AASHTO R35.

460.2.8.2.1.4.2 Control Charts

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Maintain standardized control charts at the laboratory. Record contractor test results on the charts the same day as testing. Record data on the standardized control charts as follows:
- Blended aggregate gradation tests in percent passing. Of the following, plot sieves required in table 460-1: 37.5-mm, 25.0-mm, 19.0-mm, 12.5-mm, 9.5-mm, 4.75-mm, 2.36-mm, 1.18-mm, 0.60-mm, and 0.075-mm.
 - Asphalt material content in percent.
 - Air voids in percent.
 - VMA in percent.
- (2) Plot both the individual test point and the running average of the last 4 data points on each chart. Show QC data in black with the running average in red. Draw the warning limits with a dashed green line and the JMF limits with a dashed red line. The contractor may use computer generated black-and-white printouts with a legend that clearly identifies the specified color-coded components.

460.2.8.2.1.5 Control Limits

Replace paragraph one with the following effective with the December 2019 letting:

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

ITEM	JMF LIMITS	WARNING LIMITS
Percent passing given sieve:		
37.5-mm	+/- 6.0	+/- 4.5
25.0-mm	+/- 6.0	+/- 4.5
19.0-mm	+/- 5.5	+/- 4.0
12.5-mm	+/- 5.5	+/- 4.0
9.5-mm	+/- 5.5	+/- 4.0
4.75-mm	+/- 5.0	+/- 4.0
2.36-mm	+/- 5.0	+/- 4.0
1.18-mm	+/- 4.0	+/- 3.0
0.60-mm	+/- 4.0	+/- 3.0
0.075-mm	+/- 2.0	+/- 1.5
Asphaltic content in percent	- 0.3	- 0.2
Air voids in percent ^[1]	+1.3/-1.0	+1.0/-0.7
VMA in percent ^[2]	- 0.5	- 0.2

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

^[2] VMA limits are based on requirements for each mix design nominal maximum aggregate size in table 460-1. For No. 6 (4.75mm) mixes, JMF limits are +/- 0.5 and warning limits are +/- 0.2.

460.3.2 Thickness

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Provide the plan thickness for lower and upper layers limited as follows:

NOMINAL SIZE	MINIMUM LAYER THICKNESS (in inches)	MAX LOWER LAYER THICKNESS (in inches)	MAX UPPER LAYER THICKNESS (in inches)	MAX SINGLE LAYER THICKNESS ^[3] (in inches)
No. 1 (37.5 mm)	4.5	6	4.5	6
No. 2 (25.0 mm)	3.0	5	4	6
No. 3 (19.0 mm)	2.25	4	3	5
No. 4 (12.5 mm) ^[1]	1.75	3 ^[2]	2.5	4
No. 5 (9.5 mm) ^[1]	1.25	3 ^[2]	2	3
No. 6 (4.75 mm)	0.75	1.25	1.25	1.25

^[1] SMA mixtures use nominal size No. 4 (12.5 mm) or No. 5 (9.5 mm).

^[2] SMA mixtures with nominal sizes of No. 4 (12.5 mm) and No. 5 (9.5 mm) have no maximum lower layer thickness specified.

^[3] For use on cross-overs and shoulders.

- (2) Place leveling layers using No. 4 (12.5 mm), No. 5 (9.5 mm), or No. 6 (4.75 mm) mixtures. Leveling layers may be thinner than the minimum lower layer thickness for the mixture used.
- (3) Place wedging layers as the contract specifies or engineer directs. Wedging layers have no specified minimum or maximum thickness.

460.3.3.1 Minimum Required Density

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Compact No. 6 mixtures in lower layers as specified in 450.3.2.6.2 and in upper layers as specified in 450.3.2.6.3. For other HMA mixtures, compact all layers to the density table 460-3 specifies.

TABLE 460-3 MINIMUM REQUIRED DENSITY^[1]

LOCATION	LAYER	PERCENT OF TARGET MAXIMUM DENSITY		
		MIXTURE TYPE		
		LT and MT	HT	SMA ^[5]
TRAFFIC LANES ^[2]	LOWER	93.0 ^[3]	93.0 ^[4]	—
	UPPER	93.0	93.0	93.0
SHOULDERS & APPURTENANCES	LOWER	91.0	91.0	—
	UPPER	92.0	92.0	92.0

^[1] The table values are for average lot density. If any individual density test result falls more than 3.0 percent below the minimum required target maximum density, the engineer will investigate the acceptability of that material according to CMM 8-15.11.

^[2] Includes side roads, crossovers, turn lanes, ramps, parking lanes, bike lanes, and park-and-ride lots as defined by the contract plans.

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

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

460.3.3.2 Pavement Density Determination

Replace paragraph three with the following effective with the December 2019 letting:

- (3) A lot is defined in CMM 8-15 and placed within a single layer for each location and target maximum density category indicated in table 460-3. The lot density is the average of all samples taken for that lot. The department determines the number of tests per lot according to CMM 8-15.

460.5.2.1 General

Replace paragraph six with the following effective with the December 2019 letting:

- (6) If during a QV dispute resolution investigation the department discovers unacceptable mixture defined by one or more of the following:
 - Va less than 2.5 or greater than 6.5 percent for SMA, or for other mixes, less than 1.5 or greater than 5.0 percent.
 - VMA more than 1.0 percent below the minimum or above the maximum specified in table 460-1.
 - AC more than 0.5 % below the JMF target.

Remove and replace the material, or if the engineer allows the mixture to remain in place, the department will pay for the quantity of affected material at 50 percent of the contract price.

501.2.5.5 Sampling and Testing

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Sample and test aggregates for concrete according to the following:
 - Sampling aggregates^[1] AASHTO T2
 - Lightweight pieces in aggregate AASHTO T113
 - Material finer than No. 200 sieve^[1] AASHTO T11
 - Unit weight of aggregate AASHTO T19
 - Organic impurities in sands AASHTO T21
 - Sieve analysis of aggregates AASHTO T27
 - Effect of organic impurities in fine aggregate AASHTO T71
 - Los Angeles abrasion of coarse aggregate AASHTO T96
 - Alkali Silica Reactivity of Aggregates ASTM C1260
 - Alkali Silica Reactivity of Combinations of Cementitious Materials and Aggregates ASTM C1567
 - Freeze-thaw soundness of coarse aggregate^[1] AASHTO T103
 - Sodium sulfate soundness of coarse aggregates (R-4, 5 cycles) AASHTO T104
 - Specific gravity and absorption of fine aggregate AASHTO T84
 - Specific gravity and absorption of coarse aggregate^[1] AASHTO T85
 - Flat & elongated pieces based on a 3:1 ratio^[1] ASTM D4791
 - Sampling fresh concrete AASHTO R60
 - Making and curing concrete compressive strength test specimens AASHTO T23
 - Compressive strength of molded concrete cylinders AASHTO T22

^[1] As modified in CMM 8-60.

505.2.2 Bar Steel Reinforcement

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Conform to AASHTO M31, type S or type W.

505.2.3 High-Strength Bar Steel Reinforcement

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Conform to AASHTO M31, grade 60, type S or type W.

505.2.4.1 General

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Conform to AASHTO M31, grade 60, type S or type W. Ensure that the coating is applied in a CRSI certified epoxy coating plant. Bend bars that require bending before coating, unless the fabricator can bend the bar without damaging the coating.

505.2.6.1 General

Replace paragraph one with the following effective with the December 2019 letting:

- (1) For dowel bars and straight tie bars, there is no requirement for bend tests. Ensure that the bars are the specified diameter and length the plans show.

505.2.6.2.2 Solid Dowel Bars

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Furnish coated bars conforming to AASHTO M31 grade 40 or 60. Alternatively the contractor may furnish dowel bars conforming to AASHTO M227 grade 70-80. Coat in a plant certified by the Concrete Reinforcing Steel Institute with a thermosetting epoxy conforming to AASHTO M254, type B.

625.3.2 Processing Topsoil or Salvaged Topsoil

Delete paragraph four effective with the December 2019 letting.

701.3.1 General

Replace the entire text with the following effective with the December 2019 letting:

- (1) Perform contract required QC tests for samples randomly located according to CMM 8-30. Use the test methods specified in table 701-1.

TABLE 701-1 TESTING AND CERTIFICATION STANDARDS

TEST	TEST STANDARD	MINIMUM REQUIRED CERTIFICATION (any one of the certifications listed for each test)
Random Sampling	CMM 8-30.9.2	Transportation Materials Sampling Technician (TMS) Aggregate Technician I (AGGTEC-I) AGGTEC-I Assistant Certified Technician (ACT-AGG) PCC Technician I (PCCTEC-I) PCCTEC-I Assistant Certified Technician (ACT-PCC) Grading Technician I (GRADINGTEC-I) Grading Assistant Certified Technician (ACT-GRADING)
Sampling Aggregates	AASHTO T2 ^{[1][4]}	TMS, AGGTEC-1, ACT-AGG
Percent passing the No. 200 sieve	AASHTO T11 ^[1]	AGGTEC-I, ACT-AGG
Fine and coarse aggregate gradation	AASHTO T27 ^[1]	
Aggregate moisture content	AASHTO T255 ^[1]	
Fractured faces	ASTM D5821 ^[1]	
Liquid limit	AASHTO T89	Aggregate Testing for Transportation Systems (ATTS) GRADINGTEC-I, or ACT-GRADING
Plasticity index	AASHTO T90 ^[3]	
Sampling freshly mixed concrete	AASHTO R60	PCCTEC-1 ACT-PCC
Air content of fresh concrete	AASHTO T152 ^[2]	
Air void system of fresh concrete	AASHTO TP118 ^[5]	
Concrete slump	AASHTO T119 ^[2]	
Concrete temperature	ASTM C1064	
Making and curing concrete cylinders	AASHTO T23	
Moist curing for concrete cylinders	AASHTO M201	
Concrete compressive strength	AASHTO T22	Concrete Strength Tester (CST) CST Assistant Certified Technician (ACT-CST)
Concrete flexural strength	AASHTO T97	
Profiling	—	PROFILER

^[1] As modified in CMM 8-60.

^[2] As modified in CMM 8-70.

^[3] A plasticity check, if required under individual QMP provisions, may be performed by an AGGTEC-I in addition to the certifications listed for liquid limit and plasticity index tests.

^[4] Plant personnel may operate equipment to obtain samples under the direct observation of a TMS or higher.

^[5] Consolidate tests by rodding only.

715.2.1 General

Replace paragraph five with the following effective with the December 2019 letting:

- (5) For new lab-qualified mixes, test the air void system of the proposed concrete mix. Include the SAM number as a part of the mix design submittal.

715.3.1.1 General

Replace paragraph two with the following effective with the December 2019 letting:

- (2) Test the air void system at least once per lot and enter the SAM number in the MRS for information only. SAM testing is not required for the following:
- For lots with less than 4 sublots.
 - High early strength (HES) concrete.
 - Special high early strength (SHES) concrete.
 - Concrete placed under the following bid items:
 - Concrete Pavement Approach Slab
 - Concrete Masonry Culverts
 - Concrete Masonry Retaining Walls
 - Steel Grid Floor Concrete Filled
 - Crash Cushions Permanent
 - Crash Cushions Permanent Low Maintenance
 - Crash Cushions Temporary

730.3.1 General

Replace paragraph three with the following effective with the December 2019 letting:

- (3) Stockpile tests^[1] can be used for multiple projects. If placement on a project does not begin within 120 calendar days after the date the stockpile sample was obtained, retest the stockpile before placement begins.

^[1] Replace the stockpile test with an in-place production test for concrete pavement recycled and processed on-site; test on the first day of production.

730.3.2 Contractor QC Testing

Replace paragraph four with the following effective with the December 2019 letting:

- (4) Submit test results to the engineer within one business day of obtaining the sample, except any aggregate classification with recycled asphalt may be submitted within two business days.

730.3.4.1 Contractor QC Testing

Replace the entire text with the following effective with the December 2019 letting:

- (1) For small quantity contracts with ≤ 500 tons, submit 2 production tests or 1 stockpile test. Production tests are valid for 3 years from the date the production sample was obtained. Begin placement within 3 years of the date sampled.
- (2) For small quantity contracts with ≤ 6000 tons and ≥ 500 tons, do the following:
1. Conduct one QC stockpile test before placement.
 2. Submit 2 production tests or conduct 1 loadout test instead of placement tests. Production tests are valid for 3 years from the date the production sample was obtained; the first day of placement must be within 3 years of the date sampled.
 3. If the actual quantity placed is more than 6000 tons, on the next day of placement perform one additional random QC test for each 3000 tons of overrun, or fraction thereof.

740.3.2 Contractor QC Testing

Replace paragraph three with the following effective with the December 2019 letting:

- (3) Field-locate the beginning and ending points for each profile run. Measure the profiles of each standard and partial segment. Define primary segments starting at a project terminus and running contiguously along the mainline to the other project terminus. Define segments one wheel path wide and distinguished by length as follows:
1. Standard segments are 500 feet long.
 2. Partial segments are less than 500 feet long.

Errata

614.3.6 Thrie Beam Structure Approach Retro Fits

Correct errata by deleting the galvanization reference already required under 614.3.1.

- (2) Install posts and drill holes into existing thrie beam conforming to 614.3.2.
-

628.3.7 Mobilizations for Erosion Control

Correct errata by clarifying that mobilizations for erosion control include proceeding with the work.

- (1) Move personnel, equipment, and materials to the project site and promptly proceed with construction of erosion control items at the stages the contract indicates or the engineer directs.

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.

NOTE: CRCS Prime Contractor payment is currently not automated and will need to be manually loaded into the Civil Rights Compliance System. Copies of prime contractor payments received (check or ACH) will have to be forwarded to paul.ndon@dot.wi.gov within 5 days of payment receipt to be logged manually.

***Additionally, for information on Subcontractor Sublet assignments, Subcontractor Payments and Payment Tracking, please refer to the CRCS Payment and Sublets manual at:

<https://wisconsin.gov/Documents/doing-bus/civil-rights/labornwage/crcs-payments-sublets-manual.pdf>

ADDITIONAL SPECIAL PROVISION 9

Electronic Certified Payroll or Labor Data Submittal

(1) Use the department's Civil Rights Compliance System (CRCS) to electronically submit certified payroll reports for contracts with federal funds and labor data for contracts with state funds only. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at:

<https://wisconsindot.gov/Pages/doing-bus/civil-rights/labornwage/default.aspx>

(2) Ensure that all tiers of subcontractors, including all trucking firms, either submit their weekly certified payroll reports (contracts with federal funds) or labor data (contracts with state funds only) electronically through CRCS. These payrolls or labor data 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 their submittals. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Paul Ndon at (414) 438-4584 to schedule the training.

(4) The department will reject all paper submittals 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/labor data from their computer system into CRCS should have their payroll coordinator contact Paul Ndon at paul.ndon@dot.wi.gov. Not every contractor's payroll system is capable of producing export files. For details, see Section 4.8 CPR Auto Submit (Data Mapping) on pages 49-50; 66-71 of the CRCS Payroll Manual at:

<https://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.

Non-discrimination Provisions

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. Compliance with Regulations: The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. Non-discrimination: The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

4. Information and Reports: The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance: In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the contractor under the contract until the contractor complies; and/or
- b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. Incorporation of Provisions: The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

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.

<https://wisconsin.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:

<https://wisconsin.gov/hcciDocs/contracting-info/ws4567.doc>

Cargo Preference Act Requirement

All Federal-aid projects shall comply with 46 CFR 381.7 (a) – (b) as follows:

(a) *Agreement Clauses.* "Use of United States-flag vessels:"

(1) Pursuant to Pub. L. 664 (43 U.S.C. 1241(b)) at least 50 percent of any equipment, materials or commodities procured, contracted for or otherwise obtained with funds granted, guaranteed, loaned, or advanced by the U.S. Government under this agreement, and which may be transported by ocean vessel, shall be transported on privately owned United States-flag commercial vessels, if available.

(2) Within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (a)(1) of this section shall be furnished to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590."

(b) *Contractor and Subcontractor Clauses.* "Use of United States-flag vessels: The contractor agrees—"

(1) To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

(2) To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b) (1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

(3) To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

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

**SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS
FOR PROJECTS WITH FEDERAL AID**

I. PREVAILING WAGE RATES

The attached U.S. Department of Labor (Davis-Bacon Minimum Wage Rates) furnishes the minimum prevailing wage rates pursuant to the Davis-Bacon and Related Acts. The wage rates shown are the minimum rates required by the contract to be paid during its life, however 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 will be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

II. COVERAGE OF TRUCK DRIVERS

Truck drivers are covered by Davis-Bacon Minimum Wage Rates in the following circumstances:

- Drivers of a contractor or subcontractor for time spent working on the site of the work.
- Drivers of a contractor or subcontractor for time spent loading and/or unloading materials and supplies on the site of the work, if such time is not de minimis. https://www.dol.gov/whd/FOH/FOH_Ch15.pdf
- Truck drivers transporting materials or supplies between a facility that is deemed part of the site of the work and the actual construction site.
- Truck drivers transporting portions of the building or work between a site established specifically for the performance of the contract where a significant portion of such building or work is constructed and the physical place where the building or work called for in the contract will remain.

Truck drivers are not covered by Davis-Bacon Minimum Wage Rates in the following circumstances:

- Material delivery truck drivers while off the site of the work.
- Drivers of a contractor or subcontractor traveling between a Davis-Bacon job and a commercial supply facility while they are off the site of the work.”
- Truck drivers whose time spent on the site of the work is de minimis, such as only a few minutes at a time merely to pick up or drop off materials or supplies.

Details are available online at:

<https://www.dol.gov/whd/recovery/pwrb/Tab9.pdf>

<https://wisconsin.gov/Pages/doing-bus/civil-rights/labornwage/trckng.aspx>

III. POSTINGS AT THE SITE OF THE WORK

In addition to the required postings furnished by the department, the contractor shall post the following in at least one conspicuous and accessible place at the site of work:

- a. A copy of the contractor's Equal Employment Opportunity Policy.

All required documents shall be posted by the first day of work and be accurate and complete. Postings must be readable, in an area where they will be noticed, and maintained until the last day of work.

IV. RESOURCES

Required information regarding compliance with federal provisions is found in the following resources:

- FHWA-1273 included in this contract
- U.S. Department of Labor Prevailing Wage Resource Book
- U.S. Department of Labor Field Operations Handbook
- U.S. Code of Federal Regulations
- Any applicable law, Act, or Executive Order enacted by the federal government at the time of the letting of this contract

"General Decision Number: WI20190010 11/29/2019

Superseded General Decision Number: WI20180010

State: Wisconsin

Construction Type: Highway

Counties: Wisconsin Statewide.

HIGHWAY, AIRPORT RUNWAY & TAXIWAY CONSTRUCTION PROJECTS (does not include bridges over navigable waters; tunnels; buildings in highway rest areas; and railroad construction)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.60 for calendar year 2019 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.60 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2019. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/04/2019
1	02/22/2019
2	05/17/2019
3	07/26/2019
4	08/16/2019
5	11/08/2019
6	11/15/2019
7	11/22/2019
8	11/29/2019

BRWI0001-002 06/01/2018

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

	Rates	Fringes
BRICKLAYER.....	\$ 33.06	22.65

BRWI0002-002 06/01/2018

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.87	21.26

BRWI0002-005 06/01/2018

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

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.39	21.46

BRWI0003-002 06/01/2018

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

	Rates	Fringes
BRICKLAYER.....	\$ 33.44	22.27

BRWI0004-002 06/01/2018

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 37.66	23.35

BRWI0006-002 06/01/2018

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.30	21.41

BRWI0007-002 06/01/2018

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.82	22.59

BRWI0008-002 06/01/2018

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.03	22.55

BRWI0011-002 06/01/2018

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.44	22.27

 BRWI0019-002 06/01/2018

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
 PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 32.97	22.74

 BRWI0034-002 06/01/2018

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.80	22.61

 CARP0087-001 05/01/2016

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

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

 CARP0252-002 06/01/2016

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

ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS,
 WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD
 COUNTIES

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

 CARP0252-010 06/01/2016

ASHLAND COUNTY

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

 CARP0264-003 06/01/2016

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

	Rates	Fringes
CARPENTER.....	\$ 35.78	22.11

 CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

 CARP2337-001 06/01/2016

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIVERMAN		
Zone A.....	\$ 31.03	22.69
Zone B.....	\$ 31.03	22.69

 ELEC0014-002 06/03/2019

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK
 (except Maryville, Colby, Unity, Sherman, Fremont, Lynn &
 Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA
 CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST
 CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON, AND WASHBURN
 COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.59	20.87

 ELEC0014-007 06/03/2019

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician.....	\$ 27.25	14.34

Low voltage construction, installation, maintenance and
 removal of teledata facilities (voice, data, and video)
 including outside plant, telephone and data inside wire,
 interconnect, terminal equipment, central offices, PABX,
 fiber optic cable and equipment, micro waves, V-SAT,
 bypass, CATV, WAN (wide area networks), LAN (local area
 networks), and ISDN (integrated systems digital network).

 * ELEC0127-002 06/01/2019

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 40.49	30%+12.07

 ELEC0158-002 06/04/2018

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

	Rates	Fringes
Electricians:.....	\$ 32.50	19.68

 ELEC0159-003 06/01/2019

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and
 Emmet Townships), GREEN, LAKE (except Townships of Berlin,
 Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of
 Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK
 COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.30	22.24

 ELEC0219-004 06/01/2016

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

	Rates	Fringes
Electricians:		
Electrical contracts over		
\$180,000.....	\$ 32.38	18.63
Electrical contracts under		
\$180,000.....	\$ 30.18	18.42

ELEC0242-005 05/16/2018

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 36.85	26.17

ELEC0388-002 06/03/2018

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:.....	\$ 32.55	19.02

ELEC0430-002 06/01/2019

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 40.30	22.04

ELEC0494-005 06/01/2018

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 39.31	24.69

ELEC0494-006 06/01/2018

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

	Rates	Fringes
Electricians:.....	\$ 33.40	22.08

 ELEC0494-013 06/01/2018

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 19.56	15.78
Technician.....	\$ 28.99	16.25

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

 ELEC0577-003 06/01/2019

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.15	28.50%+10.00

 ELEC0890-003 06/01/2019

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

	Rates	Fringes
Electricians:.....	\$ 35.91	25.95%+10.83

 ELEC0953-001 07/01/2015

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

 ENGI0139-005 06/03/2019

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.17	23.03
Group 2.....	\$ 40.67	23.03
Group 3.....	\$ 40.17	23.03
Group 4.....	\$ 39.91	23.03
Group 5.....	\$ 39.62	23.03
Group 6.....	\$ 33.72	23.03

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

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

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

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

tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

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

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

IRON0008-002 06/03/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 32.98	27.47

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

IRON0008-003 06/03/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 34.88	27.72

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

IRON0383-001 06/01/2018

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST,
 GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA,
 JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON,
 MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern
 area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA,
 WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.00	25.22

 IRON0498-005 06/01/2019

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

	Rates	Fringes
IRONWORKER.....	\$ 40.25	40.53

 IRON0512-008 05/01/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 37.10	10.10

 IRON0512-021 05/01/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 32.64	10.10

 LABO0113-002 06/03/2019

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 29.02	22.00
Group 2.....	\$ 29.17	22.00
Group 3.....	\$ 29.37	22.00
Group 4.....	\$ 29.52	22.00
Group 5.....	\$ 29.67	22.00
Group 6.....	\$ 25.51	22.00

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LABO0113-003 06/03/2019

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		

Group 1.....	\$ 28.27	22.00
Group 2.....	\$ 28.37	22.00
Group 3.....	\$ 28.42	22.00
Group 4.....	\$ 28.62	22.00
Group 5.....	\$ 28.47	22.00
Group 6.....	\$ 25.36	22.00

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

LAB00113-011 06/03/2019

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.08	22.00
Group 2.....	\$ 28.23	22.00
Group 3.....	\$ 28.43	22.00
Group 4.....	\$ 28.40	22.00
Group 5.....	\$ 28.73	22.00
Group 6.....	\$ 25.22	22.00

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

LAB00140-002 06/03/2019

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.84	17.54
Group 2.....	\$ 32.94	17.54
Group 3.....	\$ 32.99	17.54

Group 4.....	\$ 33.19	17.54
Group 5.....	\$ 33.04	17.54
Group 6.....	\$ 29.47	17.54

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LAB00464-003 06/03/2019

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.12	17.54
Group 2.....	\$ 33.22	17.54
Group 3.....	\$ 33.27	17.54
Group 4.....	\$ 33.47	17.54
Group 5.....	\$ 33.32	17.54
Group 6.....	\$ 29.47	17.54

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

 PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 30.33	17.27
Spray, Sandblast, Steel....	\$ 30.93	17.27
Repaint:		
Brush, Roller.....	\$ 28.83	17.27
Spray, Sandblast, Steel....	\$ 29.43	17.27

 PAIN0108-002 06/01/2017

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 33.74	18.95

Spray & Sandblast.....\$ 34.74 18.95

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK,
SAWYER, ST. CROIX, AND WASHBURN COUNTIES

 Rates Fringes

PAINTER.....\$ 24.11 12.15

PAIN0259-004 05/01/2015

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

 Rates Fringes

PAINTER.....\$ 22.03 12.45

PAIN0781-002 06/01/2018

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

 Rates Fringes

Painters:

 Bridge.....\$ 31.60 23.51

 Brush.....\$ 31.55 23.51

 Spray & Sandblast.....\$ 32.30 23.51

PAIN0802-002 06/01/2017

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

 Rates Fringes

PAINTER

 Brush.....\$ 28.25 17.72

PREMIUM PAY:

Structural Steel, Spray, Bridges = \$1.00 additional per hour.

PAIN0802-003 06/01/2017

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER.....	\$ 24.89	12.05

PAIN0934-001 06/01/2017

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 33.74	18.95
Spray.....	\$ 34.74	18.95
Structural Steel.....	\$ 33.89	18.95

PAIN1011-002 06/01/2017

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 24.86	12.23

PLAS0599-010 06/01/2017

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

Area 5.....	\$ 36.27	18.73
Area 6.....	\$ 32.02	22.99

AREA DESCRIPTIONS

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

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

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

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

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

AREA 6: KENOSHA AND RACINE COUNTIES

 TEAM0039-001 06/01/2019

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 29.57	22.03
3 or more Axles; Euclids Dumptor & Articulated, Truck Mechanic.....	\$ 29.72	22.03

WELL DRILLER.....	\$ 16.52	3.70

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example:

PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator

U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

August 2018

**NOTICE TO BIDDERS
WAGE RATE DECISION**

The wage rate decision of the Department of Labor which has been incorporated in these advertised specifications is incomplete in that the classifications may be omitted from the Department 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.

If a project includes multiple types of construction (highway, bridge over navigable water, sanitary sewer and water main, building) and there is not a separate wage determination for this type of work included in the proposal, use the wage determination that is in the proposal.

If a project includes multiple types of construction, different wage rate determinations may be inserted into the contract (WI10/Highway = in all WisDOT highway contracts, WI15/Heavy = bridge over navigable water per USDOL and US Coast Guard designation, WI8/Heavy (Sewer & Water Line & Tunnel) = sanitary sewer and water main if the cost is more than 20% of the contract and/or at least \$1,000,000, and Building). If multiple wage rate determinations are inserted into the contract, use the classification in the wage determination for the work being done. Use WI15 wage rates when working on the bridge and/or structure from bank to bank. Use WI8 wage rates when working on any sanitary sewer or water main work. Use Building wage rates for all work done within the footprint of the building. Use WI10 wage rates for all other highway work in the contract and approaches to structures. For example, if a laborer is working within the footprint of a building, use the Laborer rate in the Building wage determination inserted in the contract. If a laborer is working on a bridge/structure within the banks, use the Laborer rate in the WI15/Heavy wage determination if inserted in the contract. If the laborer is working on the highway, use the Laborer rate in the WI10/Highway wage determination.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	108.4400 CPM Progress Schedule	1.000 EACH	_____.	_____.
0004	203.0200 Removing Old Structure (station) 0005. Sta. 99+94	LS	LUMP SUM	_____.
0006	203.0200 Removing Old Structure (station) 0010. Sta. 423+33.88	LS	LUMP SUM	_____.
0008	203.0200 Removing Old Structure (station) 0020. Sta. 872+46, 42' Lt	LS	LUMP SUM	_____.
0010	203.0200 Removing Old Structure (station) 0030. Sta. 922+47, 40' Rt	LS	LUMP SUM	_____.
0012	203.0200 Removing Old Structure (station) 0040. Sta. 922+84, 40' Lt	LS	LUMP SUM	_____.
0014	203.0210.S Abatement of Asbestos Containing Material (structure) 0010. B-64-63	LS	LUMP SUM	_____.
0016	203.0210.S Abatement of Asbestos Containing Material (structure) 0020. B-64-64	LS	LUMP SUM	_____.
0018	203.0210.S Abatement of Asbestos Containing Material (structure) 0030. B-64-105	LS	LUMP SUM	_____.
0020	203.0210.S Abatement of Asbestos Containing Material (structure) 0040. B-64-106	LS	LUMP SUM	_____.
0022	203.0210.S Abatement of Asbestos Containing Material (structure) 0050. B-64-108	LS	LUMP SUM	_____.
0024	203.0210.S Abatement of Asbestos Containing Material (structure) 0060. B-64-109	LS	LUMP SUM	_____.
0026	203.0210.S Abatement of Asbestos Containing Material (structure) 0070. B-64-114	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0028	203.0210.S Abatement of Asbestos Containing Material (structure) 0080. B-64-115	LS	LUMP SUM	_____.
0030	203.0210.S Abatement of Asbestos Containing Material (structure) 0090. B-64-116	LS	LUMP SUM	_____.
0032	203.0210.S Abatement of Asbestos Containing Material (structure) 0100. B-64-117	LS	LUMP SUM	_____.
0034	203.0210.S Abatement of Asbestos Containing Material (structure) 0110. B-64-124	LS	LUMP SUM	_____.
0036	203.0210.S Abatement of Asbestos Containing Material (structure) 0120. B-64-126	LS	LUMP SUM	_____.
0038	203.0210.S Abatement of Asbestos Containing Material (structure) 0130. B-64-127	LS	LUMP SUM	_____.
0040	203.0210.S Abatement of Asbestos Containing Material (structure) 0140. B-64-138	LS	LUMP SUM	_____.
0042	203.0210.S Abatement of Asbestos Containing Material (structure) 0150. B-64-128	LS	LUMP SUM	_____.
0044	203.0225.S Debris Containment (structure) 0010. B-64-107	LS	LUMP SUM	_____.
0046	203.0225.S Debris Containment (structure) 0020. B-64-108	LS	LUMP SUM	_____.
0048	203.0225.S Debris Containment (structure) 0030. B-64-124	LS	LUMP SUM	_____.
0050	203.0225.S Debris Containment (structure) 0040. B-64-125	LS	LUMP SUM	_____.
0052	203.0225.S Debris Containment (structure) 0050. B-64-127	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0054	203.0225.S Debris Containment (structure) 0060. B-64-135	LS	LUMP SUM	_____.
0056	203.0225.S Debris Containment (structure) 0070. B-64-136	LS	LUMP SUM	_____.
0058	204.0100 Removing Pavement	1,543.000 SY	_____.	_____.
0060	204.0105 Removing Pavement Butt Joints	3,810.000 SY	_____.	_____.
0062	204.0109.S Removing Concrete Surface Partial Depth	11,880.000 SF	_____.	_____.
0064	204.0110 Removing Asphaltic Surface	21,333.000 SY	_____.	_____.
0066	204.0115 Removing Asphaltic Surface Butt Joints	23,980.000 SY	_____.	_____.
0068	204.0120 Removing Asphaltic Surface Milling	28,943.000 SY	_____.	_____.
0070	204.0150 Removing Curb & Gutter	1,203.000 LF	_____.	_____.
0072	204.0165 Removing Guardrail	14,682.000 LF	_____.	_____.
0074	204.0170 Removing Fence	476.000 LF	_____.	_____.
0076	204.0175 Removing Concrete Slope Paving	95.000 SY	_____.	_____.
0078	204.0180 Removing Delineators and Markers	116.000 EACH	_____.	_____.
0080	204.0220 Removing Inlets	12.000 EACH	_____.	_____.
0082	204.0245 Removing Storm Sewer (size) 001. 12-Inch	135.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0084	204.0245 Removing Storm Sewer (size) 002. 15-Inch	293.000 LF	_____.	_____.
0086	204.0245 Removing Storm Sewer (size) 003. 18-Inch	591.000 LF	_____.	_____.
0088	204.0245 Removing Storm Sewer (size) 004. 24-Inch	149.000 LF	_____.	_____.
0090	204.0270 Abandoning Culvert Pipes	2.000 EACH	_____.	_____.
0092	204.9060.S Removing (item description) 001. Inlet Covers	1.000 EACH	_____.	_____.
0094	204.9060.S Removing (item description) 002. Apron Endwall for Culvert Pipe Steel 12-Inch	5.000 EACH	_____.	_____.
0096	204.9060.S Removing (item description) 003. Apron Endwall for Culvert Pipe Steel 15-Inch	1.000 EACH	_____.	_____.
0098	204.9060.S Removing (item description) 004. Apron Endwall for Culvert Pipe Reinf Conc 18-Inch	7.000 EACH	_____.	_____.
0100	204.9060.S Removing (item description) 005. Apron Endwall for Culvert Pipe Reinf Conc 24-Inch	2.000 EACH	_____.	_____.
0102	204.9060.S Removing (item description) 006. Apron Endwall for Culvert Pipe Reinf Conc 30-Inch	2.000 EACH	_____.	_____.
0104	205.0100 Excavation Common	75,478.000 CY	_____.	_____.
0106	206.1000 Excavation for Structures Bridges (structure) 0010. B-64-63	LS	LUMP SUM	_____.
0108	206.1000 Excavation for Structures Bridges (structure) 0020. B-64-64	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0110	206.1000 Excavation for Structures Bridges (structure) 0030. B-64-107	LS	LUMP SUM	_____.
0112	206.1000 Excavation for Structures Bridges (structure) 0040. B-64-126	LS	LUMP SUM	_____.
0114	209.2500 Backfill Granular Grade 2	200.000 TON	_____.	_____.
0116	210.1500 Backfill Structure Type A	288.000 TON	_____.	_____.
0118	213.0100 Finishing Roadway (project) 001. 1090-16-70	1.000 EACH	_____.	_____.
0120	305.0110 Base Aggregate Dense 3/4-Inch	6,590.000 TON	_____.	_____.
0122	305.0120 Base Aggregate Dense 1 1/4-Inch	50,500.000 TON	_____.	_____.
0124	305.0410 Aggregate Detours	25.000 TON	_____.	_____.
0126	310.0110 Base Aggregate Open-Graded	340.000 TON	_____.	_____.
0128	311.0110 Breaker Run	53,100.000 TON	_____.	_____.
0130	320.0145 Concrete Base 8-Inch	334.000 SY	_____.	_____.
0132	390.0303 Base Patching Concrete	70.000 SY	_____.	_____.
0134	390.0403 Base Patching Concrete Shes	75.000 SY	_____.	_____.
0136	415.0120 Concrete Pavement 12-Inch	309.000 SY	_____.	_____.
0138	415.0410 Concrete Pavement Approach Slab	801.000 SY	_____.	_____.
0140	416.0610 Drilled Tie Bars	374.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0142	416.0620 Drilled Dowel Bars	1,300.000 EACH	_____.	_____.
0144	416.0750.S Concrete Pavement Partial Depth Repair Joint Repair	300.000 LF	_____.	_____.
0146	416.0756.S Concrete Pavement Partial Depth Repair Edge Repair	1,500.000 LF	_____.	_____.
0148	416.1010 Concrete Surface Drains	43.000 CY	_____.	_____.
0150	416.1710 Concrete Pavement Repair	425.000 SY	_____.	_____.
0152	416.1715 Concrete Pavement Repair SHES	200.000 SY	_____.	_____.
0154	416.1720 Concrete Pavement Replacement	450.000 SY	_____.	_____.
0156	416.1725 Concrete Pavement Replacement SHES	150.000 SY	_____.	_____.
0158	420.1000 Continuous Diamond Grinding Concrete Pavement	472,000.000 SY	_____.	_____.
0160	450.4000 HMA Cold Weather Paving	2,245.000 TON	_____.	_____.
0162	455.0605 Tack Coat	5,721.000 GAL	_____.	_____.
0164	460.2000 Incentive Density HMA Pavement	20,920.000 DOL	1.00000	20,920.00
0166	460.6223 HMA Pavement 3 MT 58-28 S	25,259.000 TON	_____.	_____.
0168	460.6224 HMA Pavement 4 MT 58-28 S	7,427.000 TON	_____.	_____.
0170	465.0105 Asphaltic Surface	21.000 TON	_____.	_____.
0172	465.0110 Asphaltic Surface Patching	25.000 TON	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0174	465.0115 Asphaltic Surface Detours	25.000 TON	_____.	_____.
0176	465.0125 Asphaltic Surface Temporary	1,610.000 TON	_____.	_____.
0178	465.0315 Asphaltic Flumes	8.000 SY	_____.	_____.
0180	465.0400 Asphaltic Shoulder Rumble Strips	81,668.000 LF	_____.	_____.
0182	501.1000.S Ice Hot Weather Concreting	26,635.000 LB	_____.	_____.
0184	502.0100 Concrete Masonry Bridges	2,402.000 CY	_____.	_____.
0186	502.3101 Expansion Device (structure) 0010. B-64-63	116.000 LF	_____.	_____.
0188	502.3101 Expansion Device (structure) 0020. B-64-64	116.000 LF	_____.	_____.
0190	502.3101 Expansion Device (structure) 0030. B-64-105	116.000 LF	_____.	_____.
0192	502.3101 Expansion Device (structure) 0040. B-64-106	118.000 LF	_____.	_____.
0194	502.3101 Expansion Device (structure) 0050. B-64-109	168.000 LF	_____.	_____.
0196	502.3101 Expansion Device (structure) 0060. B-64-126	144.000 LF	_____.	_____.
0198	502.3101 Expansion Device (structure) 0070. B-64-127	155.000 LF	_____.	_____.
0200	502.3101 Expansion Device (structure) 0080. B-64-116	123.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0202	502.3101 Expansion Device (structure) 0090. B-64-117	120.000 LF	_____.	_____.
0204	502.3101 Expansion Device (structure) 0100. B-64-125	47.000 LF	_____.	_____.
0206	502.3200 Protective Surface Treatment	16,479.000 SY	_____.	_____.
0208	502.3210 Pigmented Surface Sealer	1,325.000 SY	_____.	_____.
0210	502.4106 Adhesive Anchors 3/4-inch	140.000 EACH	_____.	_____.
0212	502.4107 Adhesive Anchors 7/8-inch	120.000 EACH	_____.	_____.
0214	502.4204 Adhesive Anchors No. 4 Bar	352.000 EACH	_____.	_____.
0216	502.4205 Adhesive Anchors No. 5 Bar	1,775.000 EACH	_____.	_____.
0218	505.0600 Bar Steel Reinforcement HS Coated Structures	598,180.000 LB	_____.	_____.
0220	505.0904 Bar Couplers No. 4	62.000 EACH	_____.	_____.
0222	505.0905 Bar Couplers No. 5	748.000 EACH	_____.	_____.
0224	505.0906 Bar Couplers No. 6	2,201.000 EACH	_____.	_____.
0226	505.0907 Bar Couplers No. 7	66.000 EACH	_____.	_____.
0228	506.2610 Bearing Pads Elastomeric Laminated	99.000 EACH	_____.	_____.
0230	506.4000 Steel Diaphragms (structure) 0010. B-64-107	12.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0232	506.6000 Bearing Assemblies Expansion (structure) 0010. B-64-116	10.000 EACH	_____.	_____.
0234	506.6000 Bearing Assemblies Expansion (structure) 0020. B-64-117	10.000 EACH	_____.	_____.
0236	506.6000 Bearing Assemblies Expansion (structure) 0030. B-64-133	10.000 EACH	_____.	_____.
0238	506.6000 Bearing Assemblies Expansion (structure) 0040. B-64-134	10.000 EACH	_____.	_____.
0240	506.7050.S Removing Bearings (structure) 0010. B-64-63	15.000 EACH	_____.	_____.
0242	506.7050.S Removing Bearings (structure) 0020. B-64-64	10.000 EACH	_____.	_____.
0244	506.7050.S Removing Bearings (structure) 0030. B-64-105	10.000 EACH	_____.	_____.
0246	506.7050.S Removing Bearings (structure) 0040. B-64-106	10.000 EACH	_____.	_____.
0248	506.7050.S Removing Bearings (structure) 0050. B-64-109	14.000 EACH	_____.	_____.
0250	506.7050.S Removing Bearings (structure) 0060. B-64-116	10.000 EACH	_____.	_____.
0252	506.7050.S Removing Bearings (structure) 0070. B-64-117	10.000 EACH	_____.	_____.
0254	506.7050.S Removing Bearings (structure) 0080. B-64-126	12.000 EACH	_____.	_____.
0256	506.7050.S Removing Bearings (structure) 0090. B-64-127	12.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0258	506.7050.S Removing Bearings (structure) 0100. B-64132	8.000 EACH	_____.	_____.
0260	506.7050.S Removing Bearings (structure) 0110. B-64-133	10.000 EACH	_____.	_____.
0262	506.7050.S Removing Bearings (structure) 0120. B-64-134	10.000 EACH	_____.	_____.
0264	506.7050.S Removing Bearings (structure) 0130. B-64-128	8.000 EACH	_____.	_____.
0266	509.0301 Preparation Decks Type 1	3,041.000 SY	_____.	_____.
0268	509.0302 Preparation Decks Type 2	1,735.000 SY	_____.	_____.
0270	509.0310.S Sawing Pavement Deck Preparation Areas	1,780.000 LF	_____.	_____.
0272	509.0500 Cleaning Decks	285.000 SY	_____.	_____.
0274	509.0505.S Cleaning Decks to Reapply Concrete Masonry Overlay	9,462.000 SY	_____.	_____.
0276	509.1000 Joint Repair	354.000 SY	_____.	_____.
0278	509.1500 Concrete Surface Repair Special	3,999.000 SF	_____.	_____.
0280	509.2000 Full-Depth Deck Repair	20.000 SY	_____.	_____.
0282	509.2100.S Concrete Masonry Deck Repair	13.000 CY	_____.	_____.
0284	509.2500 Concrete Masonry Overlay Decks	1,145.000 CY	_____.	_____.
0286	509.5100.S Polymer Overlay	11,766.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0288	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0010. B-64-105	1,182.000 SY	_____.	_____.
0290	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0020. B-64-106	1,181.000 SY	_____.	_____.
0292	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0030. B-64-108	909.000 SY	_____.	_____.
0294	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0040. B-64-109	1,781.000 SY	_____.	_____.
0296	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0050. B-64-127	1,683.000 SY	_____.	_____.
0298	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0060. B-64-116	1,029.000 SY	_____.	_____.
0300	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0070. B-64-117	1,031.000 SY	_____.	_____.
0302	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0080. B-64-125	666.000 SY	_____.	_____.
0304	516.0500 Rubberized Membrane Waterproofing	58.000 SY	_____.	_____.
0306	517.0900.S Preparation and Coating of Top Flanges (structure) 0010. B-64-63	LS	LUMP SUM	_____.
0308	517.0900.S Preparation and Coating of Top Flanges (structure) 0020. B-64-64	LS	LUMP SUM	_____.
0310	517.0900.S Preparation and Coating of Top Flanges (structure) 0030. B-64-126	LS	LUMP SUM	_____.
0312	517.1800.S Structure Repainting Recycled Abrasive (structure) 0010. B-64-63	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0314	517.1800.S Structure Repainting Recycled Abrasive (structure) 0020. B-64-64	LS	LUMP SUM	_____.
0316	517.1800.S Structure Repainting Recycled Abrasive (structure) 0030. B-64-105	LS	LUMP SUM	_____.
0318	517.1800.S Structure Repainting Recycled Abrasive (structure) 0040. B-64-106	LS	LUMP SUM	_____.
0320	517.1800.S Structure Repainting Recycled Abrasive (structure) 0050. B-64-109	LS	LUMP SUM	_____.
0322	517.1800.S Structure Repainting Recycled Abrasive (structure) 0060. B-64-120	LS	LUMP SUM	_____.
0324	517.1800.S Structure Repainting Recycled Abrasive (structure) 0070. B-64126	LS	LUMP SUM	_____.
0326	517.1800.S Structure Repainting Recycled Abrasive (structure) 0080. B-64-127	LS	LUMP SUM	_____.
0328	517.1800.S Structure Repainting Recycled Abrasive (structure) 009. B-64-128	LS	LUMP SUM	_____.
0330	517.1800.S Structure Repainting Recycled Abrasive (structure) 0100. B-64-132	LS	LUMP SUM	_____.
0332	517.3000.S Structure Overcoating Cleaning and Priming (structure) 0010. B-64-116	LS	LUMP SUM	_____.
0334	517.3000.S Structure Overcoating Cleaning and Priming (structure) 0020. B-64-117	LS	LUMP SUM	_____.
0336	517.4000.S Containment and Collection of Waste Materials (structure) 0010. B-64116	LS	LUMP SUM	_____.
0338	517.4000.S Containment and Collection of Waste Materials (structure) 0020. B-64-117	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0340	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0010. B-64-63	LS	LUMP SUM	_____.
0342	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0020. B-64-64	LS	LUMP SUM	_____.
0344	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0030. B-64-105	LS	LUMP SUM	_____.
0346	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0040. B-64-106	LS	LUMP SUM	_____.
0348	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0050. B-64-109	LS	LUMP SUM	_____.
0350	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0060. B-64-120	LS	LUMP SUM	_____.
0352	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0070. B-64-126	LS	LUMP SUM	_____.
0354	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0080. B-64-127	LS	LUMP SUM	_____.
0356	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0090. B-64-128	LS	LUMP SUM	_____.
0358	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0100. B-64-132	LS	LUMP SUM	_____.
0360	517.6001.S Portable Decontamination Facility	12.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0362	520.8000 Concrete Collars for Pipe	1.000 EACH	_____.	_____.
0364	520.8700 Cleaning Culvert Pipes	23.000 EACH	_____.	_____.
0366	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch	14.000 EACH	_____.	_____.
0368	521.1015 Apron Endwalls for Culvert Pipe Steel 15-Inch	1.000 EACH	_____.	_____.
0370	522.0118 Culvert Pipe Reinforced Concrete Class III 18-Inch	8.000 LF	_____.	_____.
0372	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	8.000 LF	_____.	_____.
0374	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch	192.000 LF	_____.	_____.
0376	522.0412 Culvert Pipe Reinforced Concrete Class IV 12-Inch	91.000 LF	_____.	_____.
0378	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	2.000 EACH	_____.	_____.
0380	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	13.000 EACH	_____.	_____.
0382	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	6.000 EACH	_____.	_____.
0384	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	9.000 EACH	_____.	_____.
0386	524.0618 Apron Endwalls for Culvert Pipe Salvaged 18-Inch	17.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0388	524.0624 Apron Endwalls for Culvert Pipe Salvaged 24-Inch	5.000 EACH	_____.	_____.
0390	524.0630 Apron Endwalls for Culvert Pipe Salvaged 30-Inch	4.000 EACH	_____.	_____.
0392	524.0636 Apron Endwalls for Culvert Pipe Salvaged 36-Inch	2.000 EACH	_____.	_____.
0394	601.0409 Concrete Curb & Gutter 30-Inch Type A	310.000 LF	_____.	_____.
0396	601.0553 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	1,293.000 LF	_____.	_____.
0398	603.8000 Concrete Barrier Temporary Precast Delivered	20,663.500 LF	_____.	_____.
0400	603.8125 Concrete Barrier Temporary Precast Installed	34,990.000 LF	_____.	_____.
0402	603.8505 Anchoring Concrete Barrier on Bridge Decks	887.000 LF	_____.	_____.
0404	604.0400 Slope Paving Concrete	95.000 SY	_____.	_____.
0406	604.9010.S Slope Paving Repair Crushed Aggregate	134.000 CY	_____.	_____.
0408	604.9015.S Reseal Crushed Aggregate Slope Paving	6,764.000 SY	_____.	_____.
0410	606.0200 Riprap Medium	206.000 CY	_____.	_____.
0412	606.0300 Riprap Heavy	55.000 CY	_____.	_____.
0414	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	250.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0416	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	636.000 LF	_____.	_____.
0418	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	468.000 LF	_____.	_____.
0420	611.0530 Manhole Covers Type J	5.000 EACH	_____.	_____.
0422	611.0642 Inlet Covers Type MS	25.000 EACH	_____.	_____.
0424	611.0654 Inlet Covers Type V	9.000 EACH	_____.	_____.
0426	611.2005 Manholes 5-FT Diameter	5.000 EACH	_____.	_____.
0428	611.3220 Inlets 2x2-FT	9.000 EACH	_____.	_____.
0430	611.3902 Inlets Median 2 Grate	1.000 EACH	_____.	_____.
0432	611.3904 Inlets Median 4 Grate	6.000 EACH	_____.	_____.
0434	611.8115 Adjusting Inlet Covers	29.000 EACH	_____.	_____.
0436	611.9800.S Pipe Grates	2.000 EACH	_____.	_____.
0438	612.0106 Pipe Underdrain 6-Inch	19,800.000 LF	_____.	_____.
0440	612.0206 Pipe Underdrain Unperforated 6-Inch	3,240.000 LF	_____.	_____.
0442	612.0212 Pipe Underdrain Unperforated 12-Inch	559.000 LF	_____.	_____.
0444	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	95.000 EACH	_____.	_____.
0446	614.0150 Anchor Assemblies for Steel Plate Beam Guard	10.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0448	614.0200 Steel Thrie Beam Structure Approach	24.000 LF	_____	_____
0450	614.0220 Steel Thrie Beam Bullnose Terminal	2.000 EACH	_____	_____
0452	614.0230 Steel Thrie Beam	100.000 LF	_____	_____
0454	614.0397 Guardrail Mow Strip Emulsified Asphalt	6,447.000 SY	_____	_____
0456	614.0905 Crash Cushions Temporary	38.000 EACH	_____	_____
0458	614.1000 MGS Guardrail Temporary	375.000 LF	_____	_____
0460	614.1100 MGS Guardrail Temporary Thrie Beam Transition	80.000 LF	_____	_____
0462	614.1200 MGS Guardrail Temporary Terminal EAT	2.000 EACH	_____	_____
0464	614.2300 MGS Guardrail 3	10,387.500 LF	_____	_____
0466	614.2320 MGS Guardrail 3 QS	275.000 LF	_____	_____
0468	614.2500 MGS Thrie Beam Transition	1,760.000 LF	_____	_____
0470	614.2610 MGS Guardrail Terminal EAT	44.000 EACH	_____	_____
0472	614.2620 MGS Guardrail Terminal Type 2	2.000 EACH	_____	_____
0474	616.0100 Fence Woven Wire (height) 001. 4-FT	264.000 LF	_____	_____
0476	616.0206 Fence Chain Link 6-FT	200.000 LF	_____	_____
0478	616.0329 Gates Chain Link (width) 001. 4-FT	3.000 EACH	_____	_____



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0480	616.0800.S Fence Track Clearance	2,160.000 LF	_____.	_____.
0482	618.0100 Maintenance And Repair of Haul Roads (project) 001. 1090-16-70	1.000 EACH	_____.	_____.
0484	619.1000 Mobilization	1.000 EACH	_____.	_____.
0486	624.0100 Water	920.000 MGAL	_____.	_____.
0488	625.0500 Salvaged Topsoil	167,500.000 SY	_____.	_____.
0490	627.0200 Mulching	84,750.000 SY	_____.	_____.
0492	628.1504 Silt Fence	11,500.000 LF	_____.	_____.
0494	628.1520 Silt Fence Maintenance	18,750.000 LF	_____.	_____.
0496	628.1905 Mobilizations Erosion Control	33.000 EACH	_____.	_____.
0498	628.1910 Mobilizations Emergency Erosion Control	21.000 EACH	_____.	_____.
0500	628.2004 Erosion Mat Class I Type B	167,650.000 SY	_____.	_____.
0502	628.7005 Inlet Protection Type A	25.000 EACH	_____.	_____.
0504	628.7010 Inlet Protection Type B	75.000 EACH	_____.	_____.
0506	628.7504 Temporary Ditch Checks	2,700.000 LF	_____.	_____.
0508	628.7555 Culvert Pipe Checks	145.000 EACH	_____.	_____.
0510	628.7570 Rock Bags	300.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0512	629.0210 Fertilizer Type B	120.000 CWT	_____.	_____.
0514	630.0130 Seeding Mixture No. 30	3,000.000 LB	_____.	_____.
0516	630.0200 Seeding Temporary	2,350.000 LB	_____.	_____.
0518	630.0500 Seed Water	3,000.000 MGAL	_____.	_____.
0520	633.0100 Delineator Posts Steel	116.000 EACH	_____.	_____.
0522	633.0500 Delineator Reflectors	119.000 EACH	_____.	_____.
0524	633.5200 Markers Culvert End	6.000 EACH	_____.	_____.
0526	634.0618 Posts Wood 4x6-Inch X 18-FT	272.000 EACH	_____.	_____.
0528	635.0200 Sign Supports Structural Steel HS	1,000.000 LB	_____.	_____.
0530	636.0100 Sign Supports Concrete Masonry	1.600 CY	_____.	_____.
0532	636.0500 Sign Supports Steel Reinforcement	98.000 LB	_____.	_____.
0534	637.1220 Signs Type I Reflective SH	365.000 SF	_____.	_____.
0536	637.2210 Signs Type II Reflective H	1,370.875 SF	_____.	_____.
0538	637.2215 Signs Type II Reflective H Folding	338.000 SF	_____.	_____.
0540	637.2230 Signs Type II Reflective F	544.750 SF	_____.	_____.
0542	638.2101 Moving Signs Type I	1.000 EACH	_____.	_____.
0544	638.2102 Moving Signs Type II	82.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0546	638.2601 Removing Signs Type I	2.000 EACH	_____.	_____.
0548	638.2602 Removing Signs Type II	69.000 EACH	_____.	_____.
0550	638.3000 Removing Small Sign Supports	179.000 EACH	_____.	_____.
0552	638.3100 Removing Structural Steel Sign Supports	2.000 EACH	_____.	_____.
0554	643.0300 Traffic Control Drums	323,059.000 DAY	_____.	_____.
0556	643.0420 Traffic Control Barricades Type III	16,723.000 DAY	_____.	_____.
0558	643.0500 Traffic Control Flexible Tubular Marker Posts	20.000 EACH	_____.	_____.
0560	643.0600 Traffic Control Flexible Tubular Marker Bases	20.000 EACH	_____.	_____.
0562	643.0705 Traffic Control Warning Lights Type A	32,257.000 DAY	_____.	_____.
0564	643.0715 Traffic Control Warning Lights Type C	72,795.000 DAY	_____.	_____.
0566	643.0800 Traffic Control Arrow Boards	3,308.000 DAY	_____.	_____.
0568	643.0900 Traffic Control Signs	126,844.000 DAY	_____.	_____.
0570	643.0910 Traffic Control Covering Signs Type I	47.000 EACH	_____.	_____.
0572	643.0920 Traffic Control Covering Signs Type II	717.000 EACH	_____.	_____.
0574	643.1000 Traffic Control Signs Fixed Message	1,333.000 SF	_____.	_____.
0576	643.1050 Traffic Control Signs PCMS	742.000 DAY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0578	643.1070 Traffic Control Cones 42-Inch	4,680.000 DAY	_____.	_____.
0580	643.4100.S Traffic Control Interim Lane Closure	125.000 EACH	_____.	_____.
0582	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0584	645.0111 Geotextile Type DF Schedule A	11,076.000 SY	_____.	_____.
0586	645.0120 Geotextile Type HR	483.000 SY	_____.	_____.
0588	646.1005 Marking Line Paint 4-Inch	58,450.000 LF	_____.	_____.
0590	646.1020 Marking Line Epoxy 4-Inch	46,579.000 LF	_____.	_____.
0592	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	377,573.000 LF	_____.	_____.
0594	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	1,610.000 LF	_____.	_____.
0596	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	42,405.000 LF	_____.	_____.
0598	646.3005 Marking Line Paint 8-Inch	7,450.000 LF	_____.	_____.
0600	646.3020 Marking Line Epoxy 8-Inch	1,211.000 LF	_____.	_____.
0602	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	1,275.000 LF	_____.	_____.
0604	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	23,150.000 LF	_____.	_____.
0606	646.5020 Marking Arrow Epoxy	21.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0608	646.5120 Marking Word Epoxy	2.000 EACH	_____.	_____.
0610	646.5220 Marking Symbol Epoxy	1.000 EACH	_____.	_____.
0612	646.5520 Marking Outfall Epoxy	800.000 EACH	_____.	_____.
0614	646.6120 Marking Stop Line Epoxy 18-Inch	120.000 LF	_____.	_____.
0616	646.7120 Marking Diagonal Epoxy 12-Inch	165.000 LF	_____.	_____.
0618	646.7205 Marking Chevron Paint 24-Inch	760.000 LF	_____.	_____.
0620	646.7220 Marking Chevron Epoxy 24-Inch	1,165.000 LF	_____.	_____.
0622	646.8220 Marking Island Nose Epoxy	2.000 EACH	_____.	_____.
0624	646.9000 Marking Removal Line 4-Inch	303,165.000 LF	_____.	_____.
0626	646.9100 Marking Removal Line 8-Inch	8,226.000 LF	_____.	_____.
0628	646.9200 Marking Removal Line Wide	165.000 LF	_____.	_____.
0630	646.9300 Marking Removal Special Marking	2.000 EACH	_____.	_____.
0632	649.0105 Temporary Marking Line Paint 4-Inch	115,580.000 LF	_____.	_____.
0634	649.0150 Temporary Marking Line Removable Tape 4-Inch	117,234.000 LF	_____.	_____.
0636	649.0205 Temporary Marking Line Paint 8-Inch	6,390.000 LF	_____.	_____.
0638	649.0250 Temporary Marking Line Removable Tape 8-Inch	9,391.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0640	649.0760 Temporary Marking Raised Pavement Marker Type I	65.000 EACH	_____.	_____.
0642	650.4000 Construction Staking Storm Sewer	22.000 EACH	_____.	_____.
0644	650.4500 Construction Staking Subgrade	36,417.000 LF	_____.	_____.
0646	650.5000 Construction Staking Base	36,417.000 LF	_____.	_____.
0648	650.5500 Construction Staking Curb Gutter and Curb & Gutter	1,603.000 LF	_____.	_____.
0650	650.6000 Construction Staking Pipe Culverts	4.000 EACH	_____.	_____.
0652	650.6500 Construction Staking Structure Layout (structure) 001. B-64-63	LS	LUMP SUM	_____.
0654	650.6500 Construction Staking Structure Layout (structure) 002. B-64-64	LS	LUMP SUM	_____.
0656	650.6500 Construction Staking Structure Layout (structure) 003. B-64-105	LS	LUMP SUM	_____.
0658	650.6500 Construction Staking Structure Layout (structure) 004. B-64-106	LS	LUMP SUM	_____.
0660	650.6500 Construction Staking Structure Layout (structure) 005. B-64-107	LS	LUMP SUM	_____.
0662	650.6500 Construction Staking Structure Layout (structure) 006. B-64-108	LS	LUMP SUM	_____.
0664	650.6500 Construction Staking Structure Layout (structure) 007. B-64-109	LS	LUMP SUM	_____.
0666	650.6500 Construction Staking Structure Layout (structure) 008. B-64-126	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0668	650.8000 Construction Staking Resurfacing Reference	9,159.000 LF	_____.	_____.
0670	650.9910 Construction Staking Supplemental Control (project) 001. 1090-16-70	LS	LUMP SUM	_____.
0672	650.9920 Construction Staking Slope Stakes	42,418.000 LF	_____.	_____.
0674	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	771.000 LF	_____.	_____.
0676	652.0700.S Install Conduit into Existing Item	3.000 EACH	_____.	_____.
0678	652.0800 Conduit Loop Detector	452.000 LF	_____.	_____.
0680	653.0135 Pull Boxes Steel 24x36-Inch	4.000 EACH	_____.	_____.
0682	654.0105 Concrete Bases Type 5	2.000 EACH	_____.	_____.
0684	655.0210 Cable Traffic Signal 3-14 AWG	1,629.000 LF	_____.	_____.
0686	655.0320 Cable Type UF 2-10 AWG Grounded	779.000 LF	_____.	_____.
0688	655.0610 Electrical Wire Lighting 12 AWG	234.000 LF	_____.	_____.
0690	655.0700 Loop Detector Lead In Cable	930.000 LF	_____.	_____.
0692	655.0800 Loop Detector Wire	1,470.000 LF	_____.	_____.
0694	655.0900 Traffic Signal EVP Detector Cable	1,629.000 LF	_____.	_____.
0696	657.0322 Poles Type 5-Aluminum	2.000 EACH	_____.	_____.
0698	657.0610 Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	2.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0700	659.1125 Luminaires Utility LED C	2.000 EACH	_____.	_____.
0702	690.0150 Sawing Asphalt	7,700.000 LF	_____.	_____.
0704	690.0250 Sawing Concrete	11,300.000 LF	_____.	_____.
0706	715.0415 Incentive Strength Concrete Pavement	500.000 DOL	1.00000	500.00
0708	715.0502 Incentive Strength Concrete Structures	14,684.000 DOL	1.00000	14,684.00
0710	740.0440 Incentive IRI Ride	124,817.000 DOL	1.00000	124,817.00
0712	801.0117 Railroad Flagging Reimbursement	25,000.000 DOL	1.00000	25,000.00
0714	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	4,800.000 HRS	5.00000	24,000.00
0716	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	9,000.000 HRS	5.00000	45,000.00
0718	SPV.0060 Special 005. Locate and Clean Existing Underdrain Outfalls	800.000 EACH	_____.	_____.
0720	SPV.0060 Special 006. Cap Existing Underdrain	30.000 EACH	_____.	_____.
0722	SPV.0060 Special 007. Traffic Control Interim Lane Shift	120.000 EACH	_____.	_____.
0724	SPV.0060 Special 008. Traffic Control Full Freeway Closure	40.000 EACH	_____.	_____.
0726	SPV.0060 Special 009. Traffic Control Close-Open Freeway Service Ramp	100.000 EACH	_____.	_____.
0728	SPV.0060 Special 400. Abandon Existing Hold-Down Device	20.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70
Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Table with 5 columns: Proposal Line Number, Item ID Description, Approximate Quantity and Units, Unit Price, Bid Amount. Rows include items 0730 through 0754 with descriptions like 'Special 401. Girder Hold-Down Retrofit' and 'Special 001. Heavy Duty Silt Fence'.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0756	SPV.0135 Special 001. Field Office Special	22.000 MON	_____.	_____.
0758	SPV.0180 Special 001. Resin Binder High Friction Surface Treatment	34,750.000 SY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

PLEASE ATTACH SCHEDULE OF ITEMS HERE



Wisconsin Department of Transportation

January 6, 2020

**Division of Transportation Systems
Development**

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Federal Wage Rate Addendum #01

Letting of January 14, 2020

Attached is a copy of the revised WI 10 Highway Davis Bacon Prevailing Wage Rates that are included in proposals 01 – 10, 12, 14, 17, and 20 – 36; WI 8 Heavy (Sewer & Water Line & Tunnel) Davis Bacon Prevailing Wage Rates that are included in proposal 09; and WI 15 Heavy Davis Bacon Prevailing Wage Rates that are included in proposals 4, 5, and 30. These wage rates are effective for all proposals they are included in in the January 14, 2020 letting. The updated wage rates are dated January 3, 2020 and are effective on or after January 13, 2020.

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

"General Decision Number: WI20200010 01/03/2020

Superseded General Decision Number: WI20190010

State: Wisconsin

Construction Type: Highway

Counties: Wisconsin Statewide.

HIGHWAY, AIRPORT RUNWAY & TAXIWAY CONSTRUCTION PROJECTS (does not include bridges over navigable waters; tunnels; buildings in highway rest areas; and railroad construction)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

BRWI0004-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.43	25.10

BRWI0006-002 06/01/2019

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.06	23.02

BRWI0007-002 06/03/2019

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.57	24.22

BRWI0008-002 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.93	24.22

BRWI0011-002 06/03/2019

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0019-002 06/03/2019

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
 PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

 BRWI0034-002 06/03/2019

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

 CARP0087-001 05/01/2016

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

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

 CARP0252-002 06/01/2016

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

Rates Fringes

CARPENTER

CARPENTER.....	\$ 33.56	18.00
MILLWRIGHT.....	\$ 35.08	18.35
PILEDRIIVER.....	\$ 34.12	18.00

CARP0252-010 06/01/2016

ASHLAND COUNTY

Rates Fringes

Carpenters

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

CARP0264-003 06/01/2016

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

Rates Fringes

CARPENTER.....	\$ 35.78	22.11
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CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

Rates Fringes

CARPENTER.....	\$ 36.15	20.43
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CARP2337-001 06/01/2016

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

Rates Fringes

PILEDRIIVERMAN

Zone A.....	\$ 31.03	22.69
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Zone B.....\$ 31.03 22.69

ELEC0014-002 06/03/2019

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK
(except Maryville, Colby, Unity, Sherman, Fremont, Lynn &
Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA
CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST
CROIX, SAWYER, TAYLOR, TREMPPEALEAU, VERNON, AND WASHBURN
COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.59	20.87

ELEC0014-007 06/03/2019

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer Installer/Technician.....	\$ 27.25	14.34

Low voltage construction, installation, maintenance and
removal of teledata facilities (voice, data, and video)
including outside plant, telephone and data inside wire,
interconnect, terminal equipment, central offices, PABX,
fiber optic cable and equipment, micro waves, V-SAT,
bypass, CATV, WAN (wide area networks), LAN (local area
networks), and ISDN (integrated systems digital network).

ELEC0127-002 06/01/2019

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 40.49	30%+12.07

ELEC0158-002 06/03/2019

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig),

MARINETTE(Wausuakee and area South thereof), OCONTO, MENOMINEE
 (East of a line 6 miles West of the West boundary of Oconto
 County), SHAWANO (Except Area North of Townships of Aniwa and
 Hutchins) COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.52	29.75%+10.26

ELEC0159-003 06/01/2019		

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and
 Emmet Townships), GREEN, LAKE (except Townships of Berlin,
 Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of
 Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK
 COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.30	22.24

ELEC0219-004 06/01/2016		

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

	Rates	Fringes
Electricians:		
Electrical contracts over		
\$180,000.....	\$ 32.38	18.63
Electrical contracts under		
\$180,000.....	\$ 30.18	18.42

ELEC0242-005 05/16/2018		

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 36.85	26.17

ELEC0388-002 06/03/2019

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman,
Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON,
MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area
West of a line 6 miles West of the West boundary of Oconto
County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS
AND WOOD COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.56	26%+11.01

ELEC0430-002 06/01/2019

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 40.30	22.04

ELEC0494-005 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 41.03	25.11

ELEC0494-006 06/01/2019

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

	Rates	Fringes
Electricians:.....	\$ 34.73	22.27

ELEC0494-013 06/01/2019

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet

Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE,
 MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 20.53	18.13
Technician.....	\$ 30.18	19.58

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

 ELEC0577-003 06/01/2019

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.15	28.50%+10.00

 ELEC0890-003 06/01/2019

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

	Rates	Fringes
Electricians:.....	\$ 35.91	25.95%+10.83

 ELECC0953-001 06/02/2019

	Rates	Fringes
Line Construction:		
(1) Lineman.....	\$ 47.53	31.5%+7.41
(2) Heavy Equipment Operator.....	\$ 45.15	31.5%+7.35
(3) Equipment Operator.....	\$ 38.02	31.5%+7.18
(4) Heavy Groundman Driver..	\$ 33.27	31.5%+7.06
(5) Light Groundman Driver..	\$ 30.89	31.5%+7.00
(6) Groundsman.....	\$ 26.14	31.5%+6.89

 ENGI0139-005 06/03/2019

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.17	23.03
Group 2.....	\$ 40.67	23.03
Group 3.....	\$ 40.17	23.03
Group 4.....	\$ 39.91	23.03
Group 5.....	\$ 39.62	23.03
Group 6.....	\$ 33.72	23.03

HAZARDOUS WASTE PREMIUMS:

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

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

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

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

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock

breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender.

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

IRON0008-002 06/03/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 32.98	27.47

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

IRON0008-003 06/03/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 34.88	27.72

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

IRON0383-001 06/01/2019

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.50	26.57

 IRON0498-005 06/01/2019

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

	Rates	Fringes
IRONWORKER.....	\$ 40.25	40.53

 IRON0512-008 05/01/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 37.10	10.10

 IRON0512-021 05/01/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 32.64	10.10

 LAB00113-002 06/03/2019

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 29.02	21.92

Group 2.....	\$ 29.17	21.92
Group 3.....	\$ 29.37	21.92
Group 4.....	\$ 29.52	21.92
Group 5.....	\$ 29.67	21.92
Group 6.....	\$ 25.51	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LAB00113-003 06/03/2019

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.27	21.92
Group 2.....	\$ 28.37	21.92
Group 3.....	\$ 28.42	21.92
Group 4.....	\$ 28.62	21.92
Group 5.....	\$ 28.47	21.92
Group 6.....	\$ 25.36	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

LABO0113-011 06/03/2019

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.08	21.92
Group 2.....	\$ 28.23	21.92
Group 3.....	\$ 28.43	21.92
Group 4.....	\$ 28.40	21.92
Group 5.....	\$ 28.73	21.92
Group 6.....	\$ 25.22	21.92

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler;

Bituminous worker (Dumper, Ironer, Smoother, and Tamper);
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler
(Pavement); Vibrator or Tamper Operator (Mechanical Hand
Operated); Chain Saw Operator; Demolition Burning Torch
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

LAB00140-002 06/03/2019

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT,
CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR,
DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST,
GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA,
JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN,
MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE,
OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE,
RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST.
CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN,
WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.84	17.54
Group 2.....	\$ 32.94	17.54
Group 3.....	\$ 32.99	17.54
Group 4.....	\$ 33.19	17.54
Group 5.....	\$ 33.04	17.54
Group 6.....	\$ 29.47	17.54

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;

Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Socialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LAB00464-003 06/03/2019

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.12	17.54
Group 2.....	\$ 33.22	17.54
Group 3.....	\$ 33.27	17.54
Group 4.....	\$ 33.47	17.54
Group 5.....	\$ 33.32	17.54
Group 6.....	\$ 29.47	17.54

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler
(Pavement); Vibrator or Tamper Operator (Mechanical Hand
Operated); Chain Saw Operator; Demolition Burning Torch
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 30.33	17.27
Spray, Sandblast, Steel....	\$ 30.93	17.27
Repaint:		
Brush, Roller.....	\$ 28.83	17.27
Spray, Sandblast, Steel....	\$ 29.43	17.27

PAIN0108-002 06/01/2019

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 36.08	20.36
Spray & Sandblast.....	\$ 37.08	20.36

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK,
SAWYER, ST. CROIX, AND WASHBURN COUNTIES

	Rates	Fringes
PAINTER.....	\$ 24.11	12.15

PAIN0259-004 05/01/2015

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

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

PAIN0781-002 06/01/2019

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 33.30	23.86
Brush.....	\$ 32.95	23.86
Spray & Sandblast.....	\$ 33.70	23.86

* PAIN0802-002 06/01/2019

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

	Rates	Fringes
PAINTER		
Brush.....	\$ 30.93	18.44

PREMIUM PAY:
Structural Steel, Spray, Bridges = \$1.00 additional per
hour.

* PAIN0802-003 06/01/2019

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN

LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC,
 MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA,
 OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS,
 WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER.....	\$ 30.93	18.58

 PAIN0934-001 06/01/2017

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 33.74	18.95
Spray.....	\$ 34.74	18.95
Structural Steel.....	\$ 33.89	18.95

 PAIN1011-002 06/02/2019

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 25.76	13.33

 PLAS0599-010 06/01/2017

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

AREA DESCRIPTIONS

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

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

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

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

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

AREA 6: KENOSHA AND RACINE COUNTIES

 TEAM0039-001 06/01/2019

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 29.57	22.03
3 or more Axles; Euclids Dumptor & Articulated, Truck Mechanic.....	\$ 29.72	22.03

WELL DRILLER.....	\$ 16.52	3.70

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this

contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the

most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material,

etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

"

"General Decision Number: WI20200008 01/03/2020

Superseded General Decision Number: WI20190008

State: Wisconsin

Construction Types: Heavy (Sewer and Water Line and Tunnel)

Counties: Wisconsin Statewide.

TUNNEL, SEWER & WATER LINE CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

* BRWI0004-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.43	25.10

* BRWI0006-002 06/01/2019

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.06	23.02

* BRWI0007-002 06/03/2019

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.57	24.22

* BRWI0008-002 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.93	24.22

* BRWI0009-001 06/03/2019

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,
AND WINNEBAGO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

* BRWI0011-002 06/03/2019

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

* BRWI0013-002 06/03/2019

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

* BRWI0019-002 06/03/2019

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

* BRWI0021-002 06/03/2019

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.75	24.02

* BRWI0034-002 06/03/2019

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

CARP0087-001 05/01/2016

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

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

 CARP0252-002 06/01/2016

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

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

 CARP0252-010 06/01/2016

ASHLAND COUNTY

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

 CARP0264-003 06/01/2016

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

	Rates	Fringes
CARPENTER.....	\$ 35.78	22.11

 CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

 CARP2337-001 06/01/2016

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIVERMAN		
Zone A.....	\$ 31.03	22.69
Zone B.....	\$ 31.03	22.69

 CARP2337-003 06/01/2016

	Rates	Fringes
MILLWRIGHT		
Zone A.....	\$ 29.98	21.53
Zone B.....	\$ 29.98	21.53

 ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

 ELEC0014-002 06/03/2019

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK

(except Maryville, Colby, Unity, Sherman, Fremont, Lynn & Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST CROIX, SAWYER, TAYLOR, TREMPPEALEAU, VERNON, AND WASHBURN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.59	20.87

 ELEC0127-002 06/01/2019

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 40.49	30%+12.07

 ELEC0158-002 06/03/2019

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

	Rates	Fringes
Electricians:.....	\$ 33.52	29.75%+10.26

 ELEC0159-003 06/01/2019

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and Emmet Townships), GREEN, LAKE (except Townships of Berlin, Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.30	22.24

ELEC0219-004 06/01/2016

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

Rates Fringes

Electricians:

Electrical contracts over		
\$180,000.....	\$ 32.38	18.63
Electrical contracts under		
\$180,000.....	\$ 30.18	18.42

ELEC0242-005 05/16/2018

DOUGLAS COUNTY

Rates Fringes

Electricians:.....\$ 36.85 26.17

ELEC0388-002 06/03/2019

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

Rates Fringes

Electricians:.....\$ 33.56 26%+11.01

ELEC0430-002 06/01/2019

RACINE COUNTY (Except Burlington Township)

Rates Fringes

Electricians:.....\$ 40.30 22.04

ELEC0494-005 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 41.03	25.11

ELEC0494-006 06/01/2019

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

	Rates	Fringes
Electricians:.....	\$ 34.73	22.27

ELEC0577-003 06/01/2019

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.15	28.50%+10.00

ELEC0890-003 06/01/2019

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

	Rates	Fringes
Electricians:.....	\$ 35.91	25.95%+10.83

ENGI0139-003 06/03/2019

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.52	22.45
Group 2.....	\$ 40.27	22.45
Group 3.....	\$ 38.97	22.45
Group 4.....	\$ 38.44	22.45
Group 5.....	\$ 36.37	22.45
Group 6.....	\$ 34.84	22.45

HAZARDOUS WASTE PREMIUMS:

EPA Level "A" Protection: \$3.00 per hour

EPA Level "B" Protection: \$2.00 per hour

EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of over 100 tons; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,000 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral

hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 145 or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweepers; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without attachments; Power Pack Vibratory/Ultra Sound Driver and Extractor; Fireman (Asphalt Plants); Screed Operator; Stone Crushers and Screening Plants; Air, Electric, Hydraulic Jacks (Slip Form); Prestress Machines; Air Compressor, 400 CFM or over; Refrigeration Plant/Freeze Machine; Boiler Operators (temporary heat); Forklifts; Welding Machines; Generators; Pumps over 3"; Heaters, Mechanical; Combination small equipment operator; Winches, small electric; Oiler; Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

 ENGI0139-007 06/03/2019

DODGE, FOND DU LAC, JEFFERSON, KENOSHA, MILWAUKEE, OZAUKEE, RACINE, SHEBOYGAN, WALWORTH, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.19	22.20

Group 2.....	\$ 40.41	22.20
Group 3.....	\$ 39.46	22.20
Group 4.....	\$ 38.41	22.20
Group 5.....	\$ 37.01	22.20

HAZARDOUS WASTE PREMIUMS:

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, and Derricks with or without attachments, with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Backhoes (Excavators) 130,000 lbs and over; Caisson Rigs and Pile Drivers

GROUP 2: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or under; or Cranes, Tower Cranes, and Derricks with boom, lead, and/or jib lengths measuring 175 feet or under; Backhoes (Excavators) under 130,000 lbs; Skid Rigs; Dredge Operator: Traveling Crane (Bridge type); Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Pumps and Boring Machines (directional)

GROUP 3: Material Hoists; Stack Hoists; Tractor or Truck mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane, 5 tons or under; Manhoist; Tractor over 40 hp; Bulldozer over 40 hp; Endloader over 40 hp; Forklift, 25 ft and over; Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Mechanic and Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Percussion Drill Operator; Rotary Drill Operator; Blaster; Air Track Drill; Trencher (wheel type or chain type having over 8 inch bucket); Elevator; Milling Machine and Boring Machine (horizontal or vertical); Backhoe Mounted Compactor

GROUP 4: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machine (road type); Roller, Rubber Tire; Concrete Batch Hopper; Concrete Conveyor System; Concrete Mixers (14S or over); Screw type Pumps and Gypsum Pumps; Grout Pumps; Tractor, Bulldozer, End Loader, under 40 hp;

Pumps (well points); Trencher (chain type 8 inch or smaller bucket; Industrial Locomotives; Roller under 5 tons; Fireman (Piledrivers and Derricks); Robotic Tool Carrier with or without attachments.

GROUP 5: Hoists (Automatic); Forklift, 12 ft to 25 ft; Tamper-Compactors, riding type; A-Frame and Winch Trucks; Concrete Auto Breaker; Hydrohammer, small; Brooms and Sweepers; Hoist (Tuggers); Stump Chipper, large; Boats (Tug, Safety, Work Barges and Launch); Shouldering Machine Operator; Screed Operator; Farm or Industrial Tractor; Post Hole Digger; Stone Crushers and Screening Plants; Firemen (Asphalt Plants); Air Compressor (400 CFM or over); Augers (vertical and horizontal); Generators, 150 KW and over; Air, Electric Hydraulic Jacks (Slipform); Prestress Machines; Skid Steer Loader with or without attachments; Boiler operators (temporary heat); Forklift, 12 ft and under; Screed Operator Milling Machine; Refrigeration Plant/Freeze Machine; Power Pack Vibratory/Ultra Sound Driver and Extractor; Generators under 150 KW; Combination small equipment operator; Compressors under 400 CFM; Welding Machines; Heaters, Mechanical; Pumps; Winches, Small Electric; Oiler and Greaser; Conveyor; High pressure utility locating machine (daylighting machine).

 IRON0008-002 06/03/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 32.98	27.47

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

 IRON0008-003 06/03/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 34.88	27.72

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

IRON0383-001 06/01/2019

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.50	26.57

IRON0498-005 06/01/2019

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

	Rates	Fringes
IRONWORKER.....	\$ 40.25	40.53

IRON0512-008 05/01/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 37.10	10.10

IRON0512-021 05/01/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 32.64	10.10

LABO0113-004 06/03/2019		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Open Cut)		
Group 1.....	\$ 15.45	20.81
Group 2.....	\$ 17.72	20.81
Group 3.....	\$ 21.26	20.81
Group 4.....	\$ 30.63	20.81
Group 5.....	\$ 30.77	20.81
Group 6.....	\$ 30.83	20.81
Group 7.....	\$ 33.04	20.81
Group 8.....	\$ 35.86	20.81
Group 9.....	\$ 36.50	20.81

LABORERS CLASSIFICATIONS [OPEN CUT]

GROUP 1: Yard Laborer

GROUP 2: Landscaper

GROUP 3: Flag Person

GROUP 4: Paving Laborer

GROUP 5: General Laborer on Surface; Top Man

GROUP 6: Mud Mixer

GROUP 7: Mucker; Form Stripper; Bottom Digger and Misc;
Bottom Man and Welder on Surface

GROUP 8: Concrete Manhole Builder; Caisson Worker; Miner;

Pipe Layer; Rock Driller and Joint Man; Timber Man and Concrete Brusher; Bracer in Trench Behind Machine & Tight Sheeting; Concrete Formsetter and Shoveler; Jackhammer Operator

GROUP 9: Blaster

LAB00113-005 06/03/2019

SEWER, TUNNEL & UNDERGROUND

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
Laborers:		
Group 1.....	\$ 22.12	20.81
Group 2.....	\$ 28.05	20.81
Group 3.....	\$ 30.61	20.81
Group 4.....	\$ 32.38	20.81

TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS

GROUP 1: Flagperson

GROUP 2: Top Man, General Laborer, Wellpoint Installation, Wire Mesh and Reinforcement, Concrete Worker, Form Stripper, Strike-off Work

GROUP 3: Machine and Equipment Operator, Sheeting, Form Setting, Patch Finisher, Bottom Man, Joint Sawyer, Gunnite Man, Manhole Builder, Welder-Torchman, Blaster, Caulker, Bracer, Bull Float, Conduit Worker, Mucker and Car Pusher, Raker and Luteman, Hydraulic Jacking of Shields, Shield Drivers, Mining Machine, Lock Tenders, Mucking Machine Operator, Motor Men & Gauge Tenders and operation of incidental Mechanical Equipment and all Power Driven Tools

GROUP 4: Pipelayer, Miner and Laser Operator

LAB00113-008 06/03/2019

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel-Free Air)		
Group 1.....	\$ 21.26	20.81
Group 2.....	\$ 30.77	20.81
Group 3.....	\$ 30.83	20.81
Group 4.....	\$ 33.04	20.81
Group 5.....	\$ 33.18	20.81
Group 6.....	\$ 35.86	20.81
Group 7.....	\$ 36.50	20.81

LABORERS CLASSIFICATIONS [TUNNEL - FREE AIR]:

GROUP 1: Flagperson

GROUP 2: General Laborer on surface; Tower Man

GROUP 3: Saw Man; Top Man

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey; Welder (rate on surface)

GROUP 6: Concrete Manhole Builder; Mucking Machine; Miner;
Mining Machine; Welder; Rock Driller; Concrete Buster; Jack
Hammer Operator; Caisson Worker; Pipelayer and Joint Man;
Bracerman

GROUP 7: Blaster

* LAB00113-009 06/03/2019

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel - *COMPRESSED AIR 0 - 15 lbs.)		
Group 1.....	\$ 21.26	20.81

Group 2.....	\$ 30.77	20.81
Group 3.....	\$ 33.58	20.81
Group 4.....	\$ 34.38	20.81
Group 5.....	\$ 34.50	20.81
Group 6.....	\$ 37.20	20.81
Group 7.....	\$ 37.82	20.81

LABORERS CLASSIFICATIONS [TUNNEL - COMPRESSED AIR]:

*Compressed Air 15 - 30 lbs add \$2.00 to all classifications

*Compressed Air over 30 lbs add \$3.00 to all classifications

GROUP 1: Flagperson

GROUP 2: General Laborer on surface

GROUP 3: Lock Tender on surface

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey

GROUP 6: Mucking Machine; Miner; Mining Machine; Welder & Rock Driller; Lock Tender in tunnel; Concrete Buster; Jack Hammer Operator; Caisson Worker; Pielayer and Joint Man; Bracerman; Nozzle Man on Gunite; Timber Man; Concrete Brusher

GROUP 7: Blaster

NOTE: Hazardous & Toxic Waste Removal: add \$0.15 per hour.

LAB00140-005 06/04/2018

ADAMS, ASHLAND, BARRON, BROWN, BUFFALO, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, JACKSON, JEFFERSON, JUNEAU, LACROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, ST CROIX, SAUK, SAWYER, SHAWANO, SHEBOYGAN, TAYLOR, TREMPPEALEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD

COUNTIES

	Rates	Fringes
LABORER (SEWER & WATER)		
Group 1.....	\$ 27.41	17.20
Group 2.....	\$ 29.26	17.20
Group 3.....	\$ 29.46	17.20
Group 4.....	\$ 30.21	17.20

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00,
15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORER CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer, Wellpoint Installation; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

LAB00464-002 06/04/2018

DANE AND DOUGLAS COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 27.31	17.20
Group 2.....	\$ 29.51	17.20
Group 3.....	\$ 29.71	17.20
Group 4.....	\$ 30.46	17.20

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0 - 15 lbs add

\$1.00, 15- 30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer; Wellpoint Installation; Concrete Worker; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

LAB01091-010 06/04/2018

BAYFIELD, BURNETT, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
Laborers: (SEWER & WATER)		
Group 1.....	\$ 27.10	17.20
Group 2.....	\$ 29.16	17.20
Group 3.....	\$ 29.36	17.20
Group 4.....	\$ 30.11	17.20

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR:
0 - 15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: Laborers, Wellpoint Installation; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man;
 Joint Sawyer; Gunnite Man; Manhole Builder; Welder;
 Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and
 Car Pusher; Raker and Luteman; Hydraulic jacking of
 shields, Shield Drivers; Mining Machine; Lock Tenders;
 Mucking Machine Operators; Motor Men and Gauge Tenders;
 Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

 PLAS0599-010 06/01/2017

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

AREA DESCRIPTIONS

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

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET,
 CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE,
 FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE,
 LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE,
 MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK,
 PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR,
 VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD
 COUNTIES

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

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

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

COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2019

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 29.57	22.03
3 or more Axles; Euclids Dumptor & Articulated, Truck Mechanic.....	\$ 29.72	22.03

WELL DRILLER.....	\$ 16.52	3.70

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates

the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the

Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

"

"General Decision Number: WI20200015 01/03/2020

Superseded General Decision Number: WI20190015

State: Wisconsin

Construction Type: Heavy

Counties: Wisconsin Statewide.

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

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

BRWI0003-002 06/03/2019

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

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.43	25.10

BRWI0006-002 06/01/2019

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.06	23.02

BRWI0007-002 06/03/2019

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.57	24.22

BRWI0008-002 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.93	24.22

BRWI0009-001 06/03/2019

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,
AND WINNEBAGO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0011-002 06/03/2019

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0013-002 06/03/2019

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

BRWI0019-002 06/03/2019

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

BRWI0021-002 06/03/2019

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.75	24.02

BRWI0034-002 06/03/2019

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

 CARP0087-001 05/01/2016

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

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

 CARP0252-002 06/01/2016

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

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

 CARP0252-010 06/01/2016

ASHLAND COUNTY

Rates	Fringes
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Carpenters

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

 CARP0264-003 06/01/2016

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

	Rates	Fringes
CARPENTER.....	\$ 35.78	22.11

 CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

 CARP2337-001 06/01/2016

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIVERMAN		
Zone A.....	\$ 31.03	22.69
Zone B.....	\$ 31.03	22.69

 CARP2337-003 06/01/2016

	Rates	Fringes
MILLWRIGHT		
Zone A.....	\$ 29.98	21.53
Zone B.....	\$ 29.98	21.53

ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

ELEC0014-002 06/03/2019

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK
(except Maryville, Colby, Unity, Sherman, Fremont, Lynn &
Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA
CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST
CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON, AND WASHBURN
COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.59	20.87

ELEC0014-007 06/03/2019

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer Installer/Technician.....	\$ 27.25	14.34

Low voltage construction, installation, maintenance and
removal of teledata facilities (voice, data, and video)
including outside plant, telephone and data inside wire,
interconnect, terminal equipment, central offices, PABX,
fiber optic cable and equipment, micro waves, V-SAT,
bypass, CATV, WAN (wide area networks), LAN (local area
networks), and ISDN (integrated systems digital network).

ELEC0127-002 06/01/2019

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 40.49	30%+12.07

ELEC0158-002 06/03/2019

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

	Rates	Fringes
Electricians:.....	\$ 33.52	29.75%+10.26

ELEC0159-003 06/01/2019

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and
Emmet Townships), GREEN, LAKE (except Townships of Berlin,
Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of
Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK
COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.30	22.24

ELEC0219-004 06/01/2016

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

	Rates	Fringes
Electricians:		
Electrical contracts over \$180,000.....	\$ 32.38	18.63
Electrical contracts under \$180,000.....	\$ 30.18	18.42

ELEC0242-005 05/16/2018

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 36.85	26.17

 ELEC0388-002 06/03/2019

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.56	26%+11.01

 ELEC0430-002 06/01/2019

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 40.30	22.04

 ELEC0494-005 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 41.03	25.11

 ELEC0494-006 06/01/2019

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

	Rates	Fringes
Electricians:.....	\$ 34.73	22.27

ELEC0494-013 06/01/2019

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupuin), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 20.53	18.13
Technician.....	\$ 30.18	19.58

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

ELEC0577-003 06/01/2019

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
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Electricians:.....\$ 33.15 28.50%+10.00

ELEC0890-003 06/01/2019

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

Rates Fringes

Electricians:.....\$ 35.91 25.95%+10.83

ELEC0953-001 06/02/2019

Rates Fringes

Line Construction:

(1) Lineman.....	\$ 47.53	31.5%+7.41
(2) Heavy Equipment Operator.....	\$ 45.15	31.5%+7.35
(3) Equipment Operator.....	\$ 38.02	31.5%+7.18
(4) Heavy Groundman Driver..	\$ 33.27	31.5%+7.06
(5) Light Groundman Driver..	\$ 30.89	31.5%+7.00
(6) Groundsman.....	\$ 26.14	31.5%+6.89

ENGI0139-001 06/03/2019

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

Rates Fringes

Power Equipment Operator

Group 1.....	\$ 46.66	22.20
Group 2.....	\$ 46.16	22.20
Group 3.....	\$ 45.66	22.20
Group 4.....	\$ 44.97	22.20
Group 5.....	\$ 41.79	22.20
Group 6.....	\$ 36.64	22.20

HAZARDOUS WASTE PREMIUMS:

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or w/o attachments with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Self-Erecting Tower Cranes over 4000 lbs lifting capacity; All Cranes with Boom Dollies; Boring Machines (directional); Master Mechanic. \$0.50 additional per hour per 100 tons or 100 ft of boom over 200 ft or lifting capacity of crane over 200 tons to a maximum of 300 tons or 300 ft. Thereafter an increase of \$0.01 per ft or ton, whichever is greater.

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

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

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

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

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

 ENGI0139-003 06/03/2019

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.52	22.45
Group 2.....	\$ 40.27	22.45
Group 3.....	\$ 38.97	22.45
Group 4.....	\$ 38.44	22.45
Group 5.....	\$ 36.37	22.45
Group 6.....	\$ 34.84	22.45

HAZARDOUS WASTE PREMIUMS:

EPA Level "A" Protection: \$3.00 per hour

EPA Level "B" Protection: \$2.00 per hour

EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of over 100 tons; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,000 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type

(bucket under 8 inch); Concrete Auto Breaker, large;
 Concrete Finishing Machine (road type); Concrete Batch
 Hopper; Concrete Conveyor Systems; Concrete Mixers, 145 or
 over; Pumps, Screw Type and Gypsum); Hydrohammers, small;
 Brooms and Sweepers; Lift Slab Machine; Roller under 5
 tons; Industrial Locomotives; Fireman (Pile Drivers and
 Derricks); Pumps (well points); Hoists, automatic; A-Frames
 and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety,
 Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial
 Tractor mounted equipment; Post Hole Digger; Auger
 (vertical and horizontal); Skid Steer Loader with or
 without attachments; Robotic Tool Carrier with or without
 attachments; Power Pack Vibratory/Ultra Sound Driver and
 Extractor; Fireman (Asphalt Plants); Screed Operator; Stone
 Crushers and Screening Plants; Air, Electric, Hydraulic
 Jacks (Slip Form); Prestress Machines; Air Compressor, 400
 CFM or over; Refrigeration Plant/Freeze Machine; Boiler
 Operators (temporary heat); Forklifts; Welding Machines;
 Generators; Pumps over 3"; Heaters, Mechanical; Combination
 small equipment operator; Winches, small electric; Oiler;
 Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

 IRON0008-002 06/03/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 32.98	27.47

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

 IRON0008-003 06/03/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 34.88	27.72

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

 IRON0383-001 06/01/2019

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.50	26.57

 IRON0512-008 05/01/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 37.10	10.10

 IRON0512-021 05/01/2018

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

	Rates	Fringes
IRONWORKER.....	\$ 32.64	10.10

 LAB00113-002 06/03/2019

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 29.02	21.92
Group 2.....	\$ 29.17	21.92
Group 3.....	\$ 29.37	21.92
Group 4.....	\$ 29.52	21.92
Group 5.....	\$ 29.67	21.92
Group 6.....	\$ 25.51	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LAB00113-003 06/03/2019

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		

Group 1.....	\$ 28.27	21.92
Group 2.....	\$ 28.37	21.92
Group 3.....	\$ 28.42	21.92
Group 4.....	\$ 28.62	21.92
Group 5.....	\$ 28.47	21.92
Group 6.....	\$ 25.36	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

LAB00113-011 06/03/2019

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.08	21.92
Group 2.....	\$ 28.23	21.92
Group 3.....	\$ 28.43	21.92
Group 4.....	\$ 28.40	21.92
Group 5.....	\$ 28.73	21.92
Group 6.....	\$ 25.22	21.92

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

LAB00140-002 06/03/2019

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.84	17.54
Group 2.....	\$ 32.94	17.54
Group 3.....	\$ 32.99	17.54

Group 4.....	\$ 33.19	17.54
Group 5.....	\$ 33.04	17.54
Group 6.....	\$ 29.47	17.54

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LAB00464-003 06/03/2019

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.12	17.54
Group 2.....	\$ 33.22	17.54
Group 3.....	\$ 33.27	17.54
Group 4.....	\$ 33.47	17.54
Group 5.....	\$ 33.32	17.54
Group 6.....	\$ 29.47	17.54

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

 PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 30.33	17.27
Spray, Sandblast, Steel....	\$ 30.93	17.27
Repaint:		
Brush, Roller.....	\$ 28.83	17.27
Spray, Sandblast, Steel....	\$ 29.43	17.27

 PAIN0108-002 06/01/2019

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 36.08	20.36

Spray & Sandblast.....\$ 37.08 20.36

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK,
SAWYER, ST. CROIX, AND WASHBURN COUNTIES

 Rates Fringes

PAINTER.....\$ 24.11 12.15

PAIN0259-004 05/01/2015

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

 Rates Fringes

PAINTER.....\$ 22.03 12.45

PAIN0781-002 06/01/2019

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

 Rates Fringes

Painters:

 Bridge.....\$ 33.30 23.86

 Brush.....\$ 32.95 23.86

 Spray & Sandblast.....\$ 33.70 23.86

* PAIN0802-002 06/01/2019

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

 Rates Fringes

PAINTER

 Brush.....\$ 30.93 18.44

PREMIUM PAY:

Structural Steel, Spray, Bridges = \$1.00 additional per hour.

* PAIN0802-003 06/01/2019

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER.....	\$ 30.93	18.58

PAIN0934-001 06/01/2017

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 33.74	18.95
Spray.....	\$ 34.74	18.95
Structural Steel.....	\$ 33.89	18.95

PAIN1011-002 06/02/2019

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 25.76	13.33

PLAS0599-010 06/01/2017

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

Area 5.....	\$ 36.27	18.73
Area 6.....	\$ 32.02	22.99

AREA DESCRIPTIONS

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

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

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

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

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

AREA 6: KENOSHA AND RACINE COUNTIES

 PLUM0011-003 05/07/2018

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 40.63	20.72

 PLUM0075-002 06/01/2016

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
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PLUMBER.....\$ 40.27 21.47

PLUM0075-004 06/01/2016

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, AND ROCK
COUNTIES

Rates Fringes

PLUMBER.....\$ 40.52 21.47

PLUM0075-009 06/01/2016

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

Rates Fringes

PLUMBER.....\$ 38.82 20.12

PLUM0111-007 05/28/2018

MARINETTE COUNTY (Niagara only)

Rates Fringes

PLUMBER/PIPEFITTER.....\$ 33.33 24.48

PLUM0118-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

Rates Fringes

Plumber and Steamfitter.....\$ 42.95 23.60

PLUM0400-003 06/04/2018

ADAMS,BROWN, CALUMET, DODGE (except Watertown), DOOR, FOND DU
LAC, GREEN LAKE,KEWAUNEE, MANITOWOC, MARINETTE (except
Niagara), MENOMINEE, OCONTO, OUTAGAMIE, SHAWANO, SHEBOYGAN,
WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 36.74	19.06

 PLUM0434-002 06/03/2018

BARON, BUFFALO, CHIPPEWA, CLARK, CRAWFORD, DUNN, EAU CLAIRE,
 FLORENCE, FOREST, GRANT, JACKSON, JUNEAU, LA CROSSE, LANGLADE,
 LINCOLN, MARATHON, MONROE, ONEIDA, PEPIN, PIERCE, POLK,
 PORTAGE, PRICE, RUSK, ST. CROIX, TAYLOR, TREMPPEALEAU, VERNON,
 VILAS, AND WOOD COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 40.15	18.57

 PLUM0601-003 06/03/2019

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, MILWAUKEE,
 OZAUKEE, ROCK, WASHINGTON AND WAUKESHA COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 46.89	25.29

 PLUM0601-009 06/04/2017

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 47.08	20.89

 TEAM0039-002 06/01/2019

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axle Trucks.....	\$ 29.57	22.03
3 or more axles; Euclids		
or Dumptor, Articulated		
Truck, Mechanic.....	\$ 29.72	22.03

Rates Fringes

WELL DRILLER.....\$ 16.52

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local),

a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor

200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION

"



Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

January 7, 2020

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

**Proposal #07: 1090-16-70, WISC 2019 801
IH 43 Rock Freeway
Rock County Line to USH 12
IH 43
Walworth County**

Letting of January 14, 2020

This is Addendum No. 01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
77	Resin Binder High Friction Surface Treatment, Item SPV.0180.001

Added Special Provisions	
Article No.	Description
78	Marking Contrast Epoxy 4-inch, Item SPV.0090.03
79	Marking Contrast Epoxy 8-inch, Item SPV.0090.04

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
416.0610	Drilled Tie Bars	Each	374	200	574
416.0620	Drilled Dowel Bars	Each	1,300	975	2,275
416.1710	Concrete Pavement Repair	SY	425	375	800
416.1715	Concrete Pavement Repair SHES	SY	200	200	400
416.1720	Concrete Pavement Replacement	SY	450	250	700
416.1725	Concrete Pavement Replacement SHES	SY	150	150	300
522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	Each	6	-4	2

522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	Each	9	4	13
614.2300	MGS Guardrail 3	LF	10,387.5	112.5	10,500
614.2320	MGS Guardrail 3 QS	LF	275	-162.5	112.5
614.2620	MGS Guardrail Terminal Type 2	Each	2	1	3
646.1020	Marking Line Epoxy 4-Inch	LF	46,579	4,810	51,389
646.1040	Marking Line Grooved Wet Reflective Epoxy 4-Inch	LF	377,573	-4,810	372,763
646.1555	Marking Line Grooved Contrast Permanent Tape 4-Inch	LF	42,405	-613	41,792
646.3555	Marking Line Grooved Contrast Permanent Tape 8-Inch	LF	23,150	-1,003	22,147
646.7220	Marking Chevron Epoxy 24-Inch	LF	1,165	760	1,925
649.0105	Temporary Marking Line Paint 4-Inch	LF	115,580	461,290	576,870
649.0205	Temporary Marking Line Paint 8-Inch	LF	6,390	25,775	32,165
690.0150	Sawing Asphalt	LF	7,700	600	8,300
690.0250	Sawing Concrete	LF	11,300	400	11,700
SPV.0180.001	Resin Binder High Friction Surface Treatment	SY	34,750	-4,925	29,825

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
614.2310	MGS Guardrail 3 HS	LF	0	50	50
646.6464	Cold Weather Marking Epoxy 4-Inch	LF	0	58,450	58,450
646.6468	Cold Weather Marking Epoxy 8-Inch	LF	0	7,450	7,450
SPV.0090.03	Marking Contrast Epoxy 4-Inch	LF	0	613	613
SPV.0090.04	Marking Contrast Epoxy 8-Inch	LF	0	1,003	1,003

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
646.1005	Marking Line Paint 4-Inch	LF	58,450	-58,450	0
646.3005	Marking Line Paint 8-Inch	LF	7,450	-7,450	0
646.7205	Marking Chevron Paint 24-Inch	LF	760	-760	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
17	Revised width of HFST application on shoulders
61	Updated callouts
182, 192, 193 & 200	Added note to see new detail sheets for pavement markings to be applied to bridges with polymer overlays
514	Revised quantities for concrete repair and replacement work
525	Revised quantities for 24-inch & 30-inch apron endwalls
531	Added note indicating joint ties are incidental to salvaged apron endwall work
533 to 537	Revised/added quantities for guardrail
548	Revised quantities for temporary marking line paint 4-inch and 8-inch

549	Revised winter pavement markings from paint to cold weather epoxy and changed chevron paint to epoxy
550	Revised quantities to reflect non grooved paint on bridges with polymer overlays
553	Revised quantity for High Friction Surface Treatment

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
182A, 193A & 200A	New detail sheets for pavement markings to be applied to bridges with polymer overlays

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

1090-16-70

January 7, 2020

Special Provisions

3. Prosecution and Progress

Insert the following after paragraph six:

Anticipate cold weather paving and concrete. Plan to heat aggregates and water for mixes, and that the heating of the aggregate and water is considered incidental to those items. There will be no adverse weather delay for cold weather construction.

*Insert the following after paragraph four under section titled **General**:*

Temporary pavement markings shall be placed in the exact location and configuration where permanent pavement markings will be placed. Any water blasting required for pavement marking removal should be considered incidental to the temporary pavement marking items.

77. Resin Binder High Friction Surface Treatment, Item SPV.0180.001

*Replace paragraph three under section titled **C.3 Application of the HFST** with the following:*

Construct HFST to the full width of the existing pavement surface, or as the plans show or engineer directs. Extend the HFST application 3' onto the shoulders as shown on the plans. Apply as a single layer 1/8 inch to 1/4 inch thick.

78. Marking Contrast Epoxy 4-inch, Item SPV.0090.03.

A Description

This special provision describes applying contrast epoxy marking conforming to standard spec 646, as the plans show, and as follows.

B Materials

Furnish epoxy pavement marking materials conforming of standard spec 646.2.

C Construction

Apply two 1 ½-inch wide black epoxy lines with a 4-inch separation between the two black lines for the first pass, followed by a 4-inch wide white epoxy line second pass, for a total width of 7 inches. Apply epoxy pavement marking conforming to standard spec 646.3.

D Measurement

The department will measure Marking Contrast Epoxy 4-Inch Special by the linear foot acceptably completed, measured once as the length of the centerline of the completed installation.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.03	Marking Contrast Epoxy 4-Inch	LF

Payment is full compensation for providing replacement marking.

SER-646-001 (20180214)

79. Marking Contrast Epoxy 8-inch, Item SPV.0090.04.

A Description

This special provision describes applying contrast epoxy marking conforming to standard spec 646, as the plans show, and as follows.

B Materials

Furnish epoxy pavement marking materials conforming of standard spec 646.2.

C Construction

Apply two 1 ½-inch wide black epoxy lines with a 8-inch separation between the two black lines for the first pass, followed by an 8-inch wide white epoxy line second pass, for a total width of 7 inches. Apply epoxy pavement marking conforming to standard spec 646.3.

D Measurement

The department will measure Marking Contrast Epoxy 8-Inch Special by the linear foot acceptably completed, measured once as the length of the centerline of the completed installation.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.04	Marking Contrast Epoxy 8-Inch	LF

Payment is full compensation for providing replacement marking.

SER-646-002 (20180214)

Schedule of Items

Attached, dated January 6, 2020, are the revised Schedule of Items Pages 1 – 27.

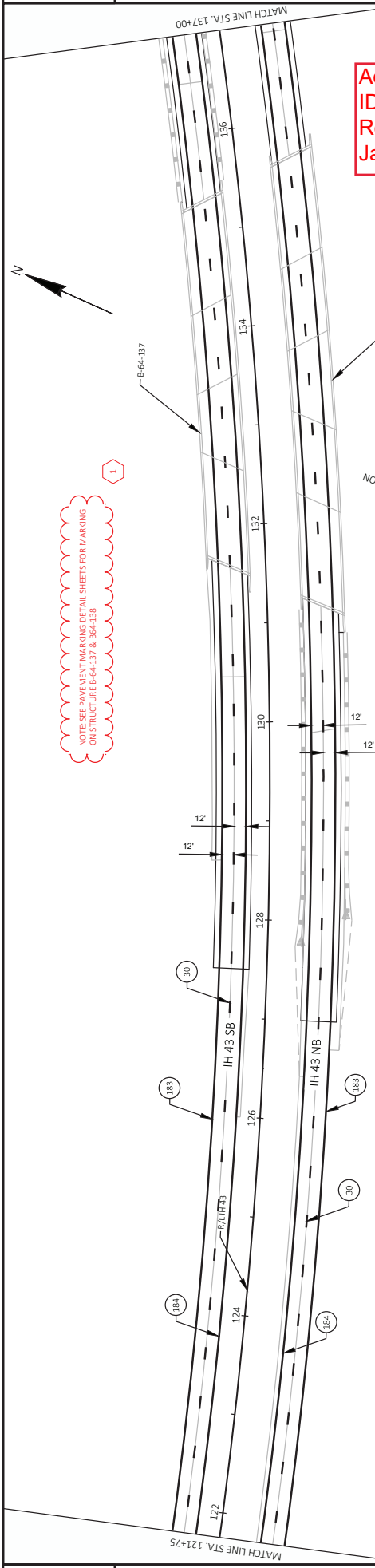
Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 17, 61, 182, 192, 193, 200, 514, 525, 531, 533 to 537, 548 to 550, and 553.

Added: 182A, 193A & 200A

END OF ADDENDUM

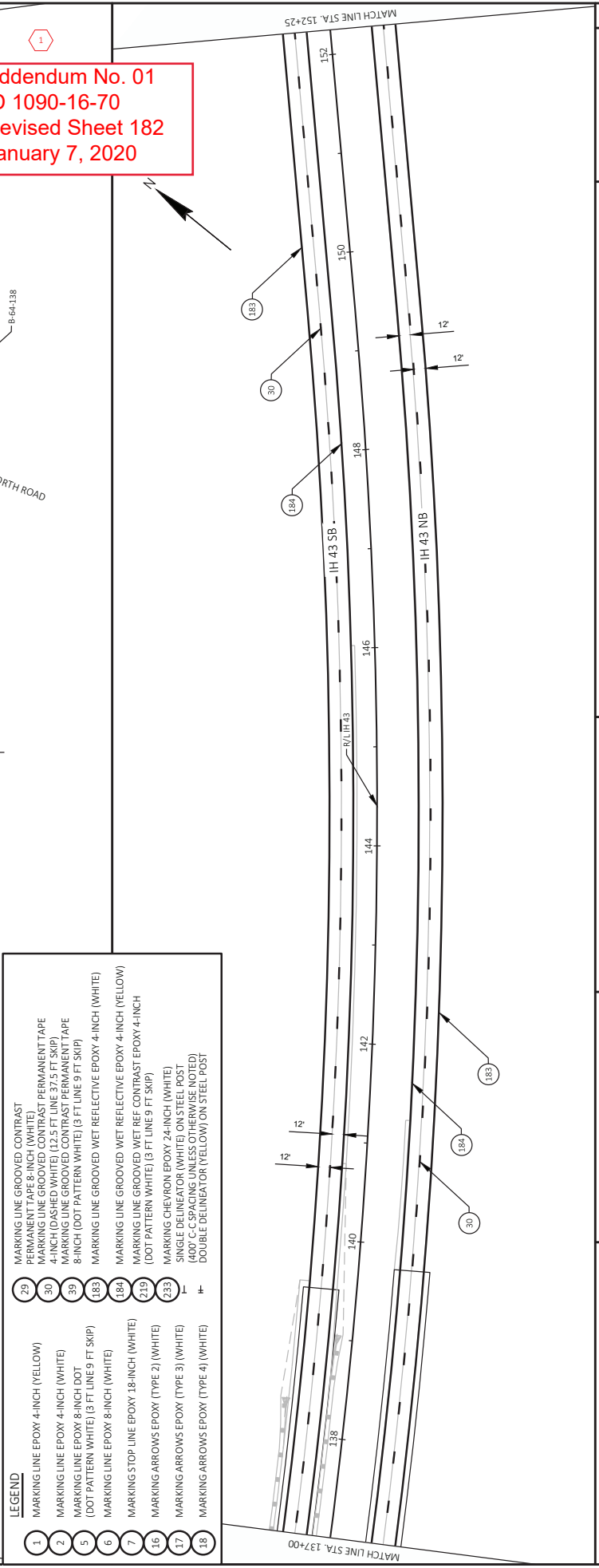


Addendum No. 01
 ID 1090-16-70
 Revised Sheet 182
 January 7, 2020

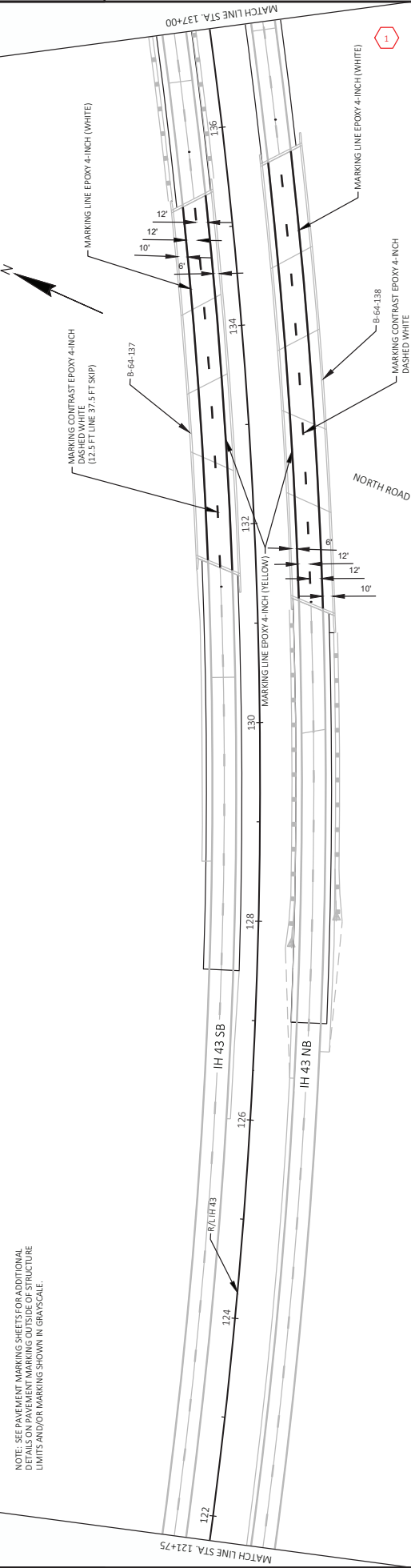
NOTE: SEE PAVEMENT MARKING DETAIL SHEETS FOR MARKING ON STRUCTURE B-64-137 & B-64-138

LEGEND

1	MARKING LINE EPOXY 4-INCH (YELLOW)	29	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
2	MARKING LINE EPOXY 4-INCH (WHITE)	30	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
5	MARKING LINE EPOXY 8-INCH DOT (DOT PATTERN WHITE) (8 FT LINE 9 FT SKIP)	31	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6	MARKING LINE EPOXY 8-INCH (WHITE)	183	MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
7	MARKING STOP LINE EPOXY 18-INCH (WHITE)	184	MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)
16	MARKING ARROWS EPOXY (TYPE 2) (WHITE)	219	MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
17	MARKING ARROWS EPOXY (TYPE 3) (WHITE)	233	MARKING CHEVRON EPOXY 24-INCH (WHITE) SINGLE DELINEATOR (WHITE) ON STEEL POST (400' C-C SPACING UNLESS OTHERWISE NOTED)
18	MARKING ARROWS EPOXY (TYPE 4) (WHITE)	4	DOUBLE DELINEATOR (YELLOW) ON STEEL POST



2



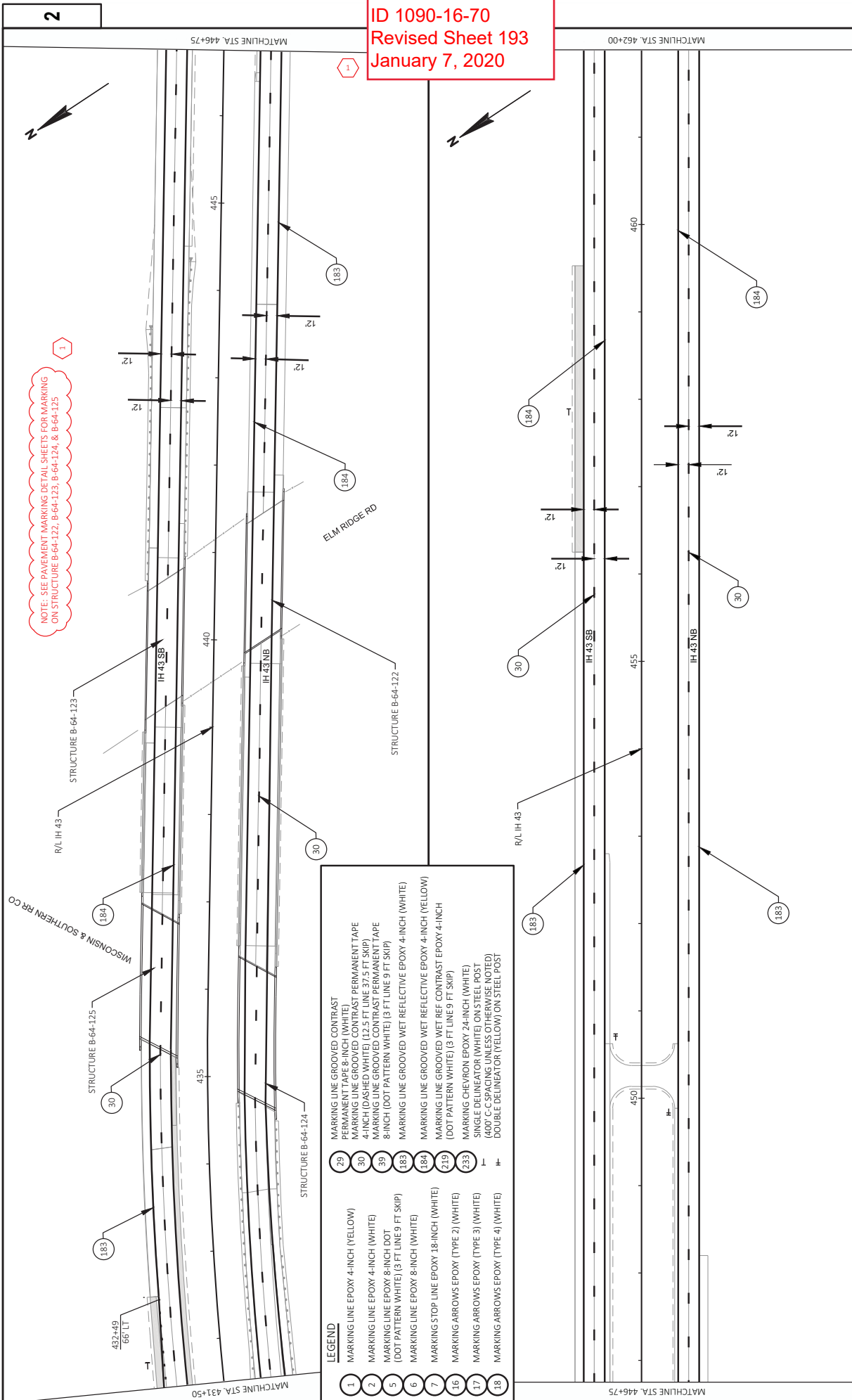
NOTE: SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL
 DIMENSIONS AND/OR MARKING SHOWN IN GRASSCALE.

Addendum No. 01
 ID 1090-16-70
 Added Sheet 182A
 January 7, 2020

2

PROJECT NO: 1090-16-70 COUNTY: WALWORTH HWY: IH43 SHEET 182A E
 FILE NAME: L:\DESIGN PROJECTS\1090-16-01\43 WALWORTH\1090-16-00\DESIGN\SHEETS\OTHER\02450L_PM.DWG PLOT DATE: 1/9/2020 9:57 AM PLOT NAME: 0245001 (2) PLOT BY: TONY BUBULTZ PLOT SCALE: 1 IN=100 FT WISDOT/CADDIS SHEET 44

Addendum No. 01
 ID 1090-16-70
 Revised Sheet 193
 January 7, 2020

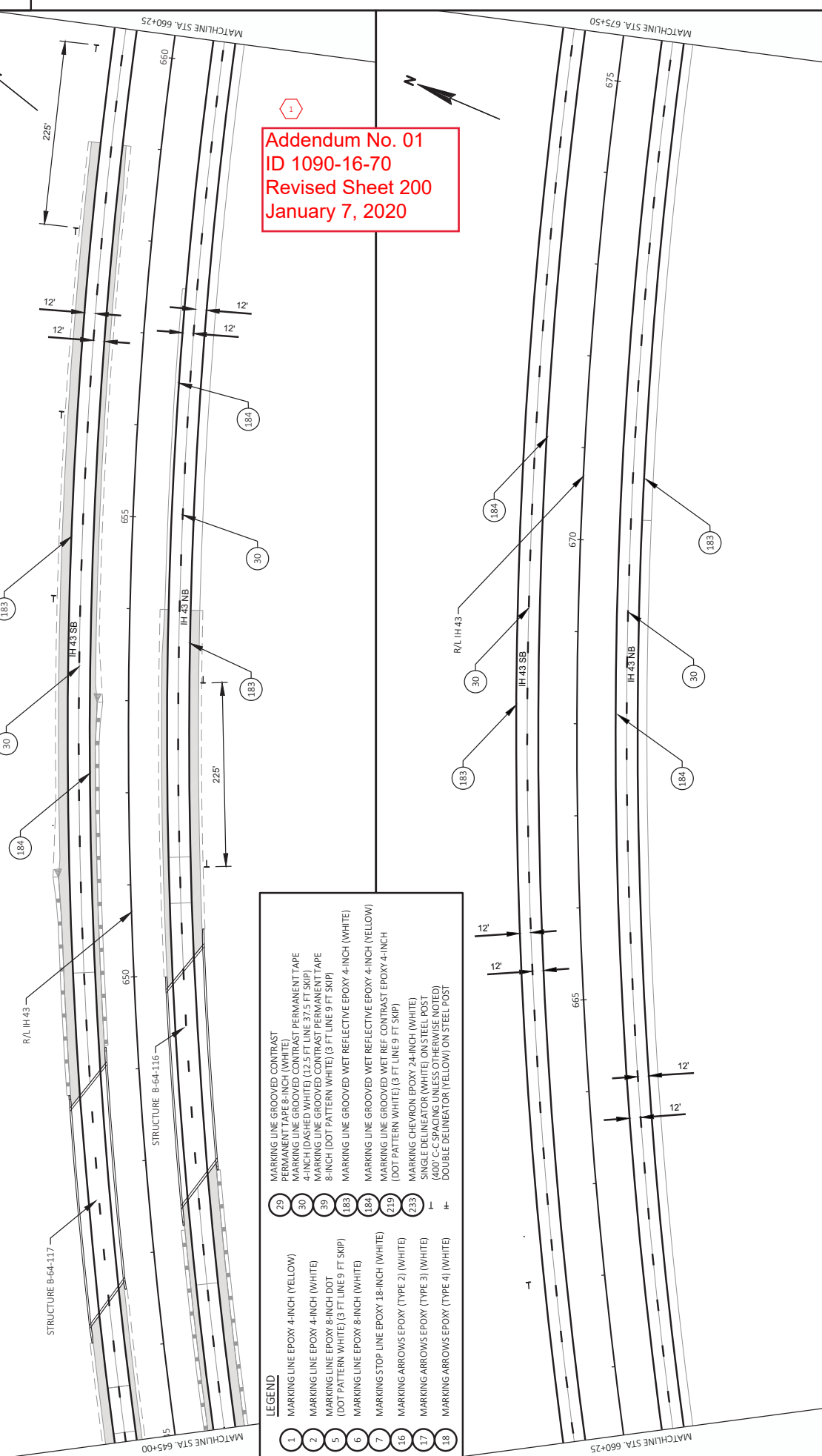


NOTE: SEE PAVEMENT MARKING DETAIL SHEETS FOR MARKING ON STRUCTURE B-64-122, B-64-123, B-64-124, & B-64-125

LEGEND

1	MARKING LINE EPOXY 4-INCH (YELLOW)	29	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
2	MARKING LINE EPOXY 4-INCH (WHITE)	30	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
5	MARKING LINE EPOXY 8-INCH DOT (DOT PATTERN WHITE) (8 FT LINE 9 FT SKIP)	183	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6	MARKING LINE EPOXY 8-INCH (WHITE)	184	MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
7	MARKING STOP LINE EPOXY 18-INCH (WHITE)	184	MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)
16	MARKING ARROWS EPOXY (TYPE 2) (WHITE)	219	MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
17	MARKING ARROWS EPOXY (TYPE 3) (WHITE)	233	MARKING CHEVRON EPOXY 24-INCH (WHITE) SINGLE DELINEATOR (WHITE) ON STEEL POST (600' C-C SPACING UNLESS OTHERWISE NOTED)
18	MARKING ARROWS EPOXY (TYPE 4) (WHITE)	+	DOUBLE DELINEATOR (YELLOW) ON STEEL POST

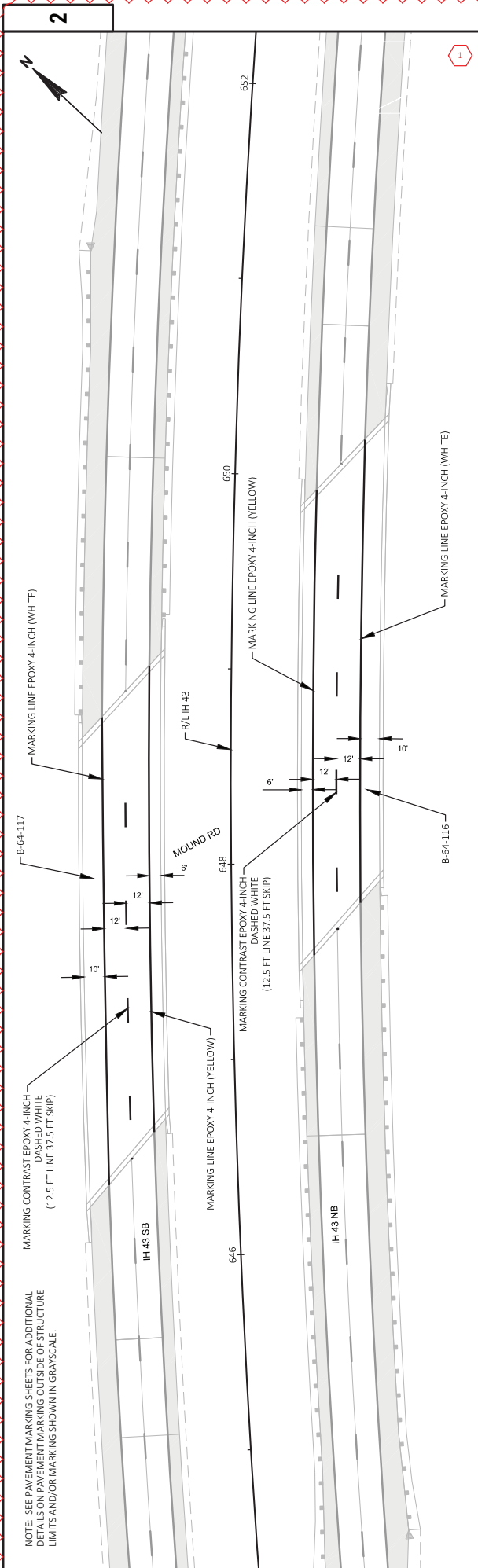
NOTE: SEE PAVEMENT MARKING DETAILS SHEETS FOR MARKING ON STRUCTURE B-64-116 & B-64-117



Addendum No. 01
 ID 1090-16-70
 Revised Sheet 200
 January 7, 2020

LEGEND

1	MARKING LINE EPOXY 4-INCH (YELLOW)	29	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
2	MARKING LINE EPOXY 4-INCH (WHITE)	30	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
5	MARKING LINE EPOXY 8-INCH DOT (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)	39	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6	MARKING LINE EPOXY 8-INCH (WHITE)	183	MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
7	MARKING STOP LINE EPOXY 18-INCH (WHITE)	184	MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)
16	MARKING ARROWS EPOXY (TYPE 2) (WHITE)	219	MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
17	MARKING ARROWS EPOXY (TYPE 3) (WHITE)	233	MARKING CHEVRON EPOXY 24-INCH (WHITE)
18	MARKING ARROWS EPOXY (TYPE 4) (WHITE)	+	SINGLE DELINEATOR (WHITE) ON STEEL POST (DOT MARKING UNLESS OTHERWISE NOTED)
			DOUBLE DELINEATOR (YELLOW) ON STEEL POST



Addendum No. 01
 ID 1090-16-70
 Added Sheet 200A
 January 7, 2020

NOTE: SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL DETAILS ON PAVEMENT MARKING OUTSIDE OF STRUCTURE LIMITS AND/OR MARKING SHOWN IN GRAYSCALE.

MARKING CONTRAST EPOXY 4-INCH DASHED WHITE (12.5 FT LINE 37.5 FT SKIP)

B-64-117

R/L IH 43

MOUND RD

IH 43 SB

MARKING LINE EPOXY 4-INCH (YELLOW)

646

648

650

652

MARKING CONTRAST EPOXY 4-INCH DASHED WHITE (12.5 FT LINE 37.5 FT SKIP)

MARKING LINE EPOXY 4-INCH (YELLOW)

IH 43 NB

B-64-116

MARKING LINE EPOXY 4-INCH (WHITE)

PROJECT NO: 1090-16-70

HWY: IH-43

COUNTY: WALWORTH

PAVEMENT MARKING DETAILS

SHEET 200A

E

FILE NAME: J:\ACTIVE\1090-16-00 IH-43\10901600\SHEETS\PLAN\024504-P.M.DWG

LAYOUT NAME: -02

PLOT DATE: 1/2/2020 1:42 PM

PLOT NAME: CORP FILE

PLOT SCALE: 1 IN=30 FT

1

WISDOT/CADD SHEET 44

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED

CONCRETE REPAIR AND REPLACEMENT ITEMS

PROJECT	STATION	TO STATION	SY	DESCRIPTION	SY	DESCRIPTION	SY	DESCRIPTION	SY	DESCRIPTION	SY	DESCRIPTION	SY	DESCRIPTION	SY		
	91+46	- 928+14	70	PATCHING CONCRETE	70	PATCHING CONCRETE	75	BASE	390.0403	416.0610*	416.0620	416.1710	416.1715	416.1720	416.1725	690.0150*	690.0250*
			70	CONCRETE	75	CONCRETE	75	CONCRETE		DRILLED TIE BARS EACH	DRILLED DOWEL BARS EACH	CONCRETE REPAIR	CONCRETE REPAIR	CONCRETE REPAIR	CONCRETE REPLACEMENT	CONCRETE REPLACEMENT	SAWING ASPHALT
			70	CONCRETE	75	CONCRETE	75	CONCRETE		475	2,275	800	400	700	300	1,800	2,700
TOTALS			70		75		75			475	2,275	800	400	700	300	1,800	2,700

* ADDITIONAL QUANTITIES LISTED ELSEWHERE



FLUMES

STAGE	ROADWAY	STATION	CY	ASPHALTIC FLUMES	RIPRAP MEDIUM	GEOTEXTILE TYPE HR
	43 NB	917+50	2	-	4	7
	43 SB	587+80	-	8	3	7
		928+10	2	-	4	7
TOTALS			4	8	11	21

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

Addendum No. 01
ID 1090-16-70
Revised Sheet 514
January 7, 2020

PARTIAL DEPTH CONCRETE REPAIR

PROJECT	STATION	TO STATION	LF	DESCRIPTION	LF	DESCRIPTION
	91+46	- 928+14	300	CONCRETE PAVEMENT PARTIAL DEPTH REPAIR	1,500	CONCRETE PAVEMENT PARTIAL DEPTH REPAIR
TOTALS			300		1,500	

DIAMOND GRINDING

ROADWAY	STATION	TO STATION	SY	DESCRIPTION
IH 43	91+46	- 915+25	472,000	CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT
TOTALS			472,000	

PROJECT NO: 1090-16-70

HWY: IH 43

COUNTY: WALWORTH

MISCELLANEOUS QUANTITIES

SHEET: 514

E

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED

CULVERT PIPE ITEMS

ROADWAY	PIPE NUMBER	STR	STATION	INLET END OFFSET	ELEV	STR	DISCHARGE END STATION	ELEV	SLOPE	522.0130		522.0412		650.6000	
										REINFORCED CONCRETE CLASS III LF	REINFORCED CONCRETE CLASS IV LF	REINFORCED CONCRETE CLASS III LF	REINFORCED CONCRETE CLASS IV LF	CONSTRUCTION STAKING PIPE CULVERTS EACH	CONSTRUCTION STAKING PIPE CULVERTS EACH
NORTH CROSSOVER	CP401	401	454+82	22.4' RT	917.03	402	455+66	915.60	1.57%	--	--	91	--	--	1
NB TO 67 OFF RAMP	CP600	600	824+97	128.9' RT	938.40	601	824+81	938.00	0.72%	56	--	--	--	--	1
NB TO 67 OFF RAMP	CP602	602	825+04	130.6' RT	938.40	603	824+87	938.00	0.72%	56	--	--	--	--	1
67 TO SB ON RAMP	CP604	604	830+08	167.0' LT	939.32	605	829+75	939.05	0.34%	80	--	--	--	--	1
TOTALS										192	91	4			

NOTES

- STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE TO THE END OF THE PIPE, NOT THE APRON END OF ENDWALLS
- JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
- LENGTH OF APRON ENDWALLS ARE NOT INCLUDED IN CULVERT PIPE LENGTHS.

CULVERT & STORM SEWER ENDWALL SUMMARY

ROADWAY	STRUCTURE NUMBER	STATION	OFFSET FT	12-INCH REINFORCED CONCRETE		RIPRAP MEDIUM CY	PIPE GRATES EACH	GEOTEXTILE TYPE HR	MARKERS CULVERT END EACH	CONSTRUCTION STAKING STORMSEWER EACH
				12-INCH EACH	18-INCH EACH					
NORTH CROSSOVER	401	454+82	22.4' RT	1	--	4	--	--	--	--
NORTH CROSSOVER	402	455+66	11.6' LT	1	--	4	--	--	--	--
IH 43	651	819+00	108.1' RT	1	1	4	--	7	--	1
IH 43	653	829+00	96.0' RT	1	1	4	--	7	--	1
IH 43	654	836+49	96.3' RT	--	--	1	1	--	--	1
IH 43	657	833+50	95.8' RT	--	--	4	--	7	--	1
IH 43	658	838+18	104.4' LT	--	--	1	1	--	--	1
IH 43	661	835+09	103.6' LT	--	--	4	--	7	--	1
IH 43	663	839+00	97.9' LT	1	1	4	--	7	--	1
IH 43	665	842+00	95.0' LT	--	--	4	--	7	--	1
IH 43	667	846+00	97.7' LT	1	1	4	--	7	--	1
IH 43	670	843+19	98.0' RT	1	1	4	--	7	--	1
NB TO 67 OFF RAMP	600	824+97	128.9' RT	--	--	1	--	--	--	1
NB TO 67 OFF RAMP	601	824+81	181.9' RT	--	--	5	--	8	--	1
NB TO 67 OFF RAMP	602	825+04	130.6' RT	--	--	1	--	--	--	1
NB TO 67 OFF RAMP	603	824+87	183.8' RT	--	--	1	--	--	--	1
67 TO SB ON RAMP	604	830+08	167.0' LT	--	--	1	--	--	--	1
67 TO SB ON RAMP	605	829+75	239.7' LT	--	--	5	--	8	--	1
TOTALS				2	6	47	2	80	6	10

NOTES

- STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE TO THE END OF THE PIPE, NOT THE APRON END OF ENDWALLS
 - JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
- *ADDITIONAL QUANTITIES LISTED ELSEWHERE

1

Addendum No. 01
ID 1090-16-70
Revised Sheet 525
January 7, 2020

3

3

PROJECT NO: 1090-16-70

HWY: IH 43

COUNTY: WALWORTH

MISCELLANEOUS QUANTITIES

SHEET: 525

E

FILE NAME: T:\Design\01 Projects\WsdOT SE Region\16-00_L_43_Walworth\2.0_PSE\Misc. Quantities\03201-mnppt

PLOT DATE: 1/22/20 3:10:46 PM

PLOT SCALE: 1:1

Addendum No. 01
 ID 1090-16-70
 Revised Sheet 531
 January 7, 2020

Culvert Number (64-043.xxx)	STA	TYPE	SIZE	CULVERT AND STORM SEWER REPAIR CONTINUED										ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED								
				521.1012*	521.1015	522.1018*	522.1024*	522.1030*	522.0118	522.0124	606.0200*	611.0642*	611.8115	645.0120*	524.0618	524.0624	524.0630	524.0636				
				APRON ENDWALLS FOR CULVERT 12-INCH EACH	APRON ENDWALLS FOR CULVERT 15-INCH EACH	APRON ENDWALLS FOR CULVERT 18-INCH EACH	APRON ENDWALLS FOR CULVERT 24-INCH EACH	APRON ENDWALLS FOR CULVERT 30-INCH EACH	APRON ENDWALLS FOR CULVERT 36-INCH EACH	REINFORCED CONCRETE CLASS III 18-INCH LF	REINFORCED CONCRETE CLASS III 24-INCH LF	REINFORCED CONCRETE CLASS III 30-INCH LF	REINFORCED CONCRETE CLASS III 36-INCH LF	RIPRAP MEDIUM CY	INLET COVERS TYPE MS EACH	ADJUSTING INLET COVERS TYPE HR EACH	GEOTEXTILE TYPE HR	APRON ENDWALL FOR CULVERT PIPE 18-INCH EACH	APRON ENDWALL FOR CULVERT PIPE 24-INCH EACH	APRON ENDWALL FOR CULVERT PIPE 30-INCH EACH	APRON ENDWALL FOR CULVERT PIPE 36-INCH EACH	
0.078	608+00	RCCP	18											4		7						
0.082	640+00	RCCP	18											4		7						
0.083	646+50	CMCP	12													1						
0.084	647+50	CMCP	12													1						
0.084A	650+00	CMCP	12	1										3		6						
0.088	694+00	CMCP	12	1										3		6						
0.089	694+00	CMCP	12													1						
0.090	694+00	CMCP	12	1										3		6						
0.091	694+00	CMCP	12	1										3		6						
0.093	709+00	RCCP	18																			
0.094	716+00	CMCP	18											4		7						
0.095	725+00	RCCP	18											4		7						
0.097	741+00	RCCP	18			1								4		7						
0.098	749+00	RCCP	18											4		7						
0.099	757+00	RCCP	18											4		7						
0.100	761+00	RCCP	18											4		8						
0.101	768+00	RCCP	30											4		7						
0.103	780+00	RCCP	24											4		7						
0.107	815+00	RCCP	18			1								4		7						
0.108	819+00	RCCP	18											4		7						
0.109	829+00	RCCP	18																			
0.110	835+00 - 837+00	RCCP	24																			
0.111	835+00 - 837+00	RCCP	24																			
0.112	846+00	RCCP	18																			
0.115	871+50	CMCP	12																			
0.116	871+50	CMCP	12													1						
0.117	871+50	CMCP	12													1						
0.118	871+50	CMCP	12	1												1						
0.121	892+00	RCCP	18											4		7						
0.122	901+00	CMCP	15													1						
0.123	901+00	CMCP	12	1										3		6						
0.124	901+00	CMCP	12																			
0.125	901+00	RCCP	15													1						
0.125A	911+00	RCCP	30										2			14						
0.504	259+63	RCCP	24											4		7						
0.506	408+00	RCCP	24											4		7						
0.510	428+00	RCCP	18											4		7						
0.512	410+00	RCCP	24											4		7						
0.515	585+00	RCCP	24										8									
0.516	825+00	RCCP	24																			
0.517	830+00	RCCP	24																			
0.519	838+00	RCCP	18																			
0.520	920+75	CMCP	12																			
0.521	920+75	CMCP	12													1						
0.522	920+75	CMCP	12													1						
0.523	920+75	CMCP	12																			
TOTALS				5	1	7	2	3	8	8	130	1	29	236	17	4	2					

NOTE: JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. THE APRON ENDWALL AND ANY PIPE BEING PLACED/REPLACED SHALL BE TIED. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.

PROJECT NO: 1090-16-70 HWY: IH 43 COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET: 531

FILE NAME: T:\Design\01 Projects\WsdOT\SE Region\1090-16-00_L_03_Walworth\2.0\PS&E\Misc. Quantities\03201-mp.dgn PLOT DATE: 1/22/20 3:06:35 PM PLOT SCALE: 1:1

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED

Addendum No. 01
ID 1090-16-70
Revised Sheet 533
January 7, 2020

GUARDRAIL ITEMS

STAGE	ROADWAY	STATION	TO STATION	SIDE	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT	614.2300 MGS GUARDRAIL 3	614.2320 MGS GUARDRAIL 3	614.2500 MGS THRIE BEAM TRANSITION	614.2610 MGS GUARDRAIL TERMINAL EAT	614.2620 MGS GUARDRAIL TERMINAL TYPE 2	614.2310 MGS GUARDRAIL 3	HS LF
1A	IH 43 SB	425+68.8	- 426+07.3	OUT	--	--	--	--	40	--	--	--	--
		426+07.3	- 427+29.5	OUT	--	--	125	--	--	--	--	--	--
		427+29.5	- 427+81.5	OUT	--	--	--	--	--	1	--	--	--
		425+68.8	- 427+81.5	OUT	--	100	--	--	--	--	--	--	--
2	IH 43 NB	418+45.9	- 419+00.3	OUT	--	--	--	--	--	1	--	--	--
		419+00.3	- 421+05.6	OUT	--	--	200	--	40	--	--	--	--
		421+05.6	- 421+46.10	OUT	--	--	--	--	--	--	--	--	--
		418+45.9	- 421+46.10	OUT	--	132	--	--	--	--	--	--	--
3A	IH 43 SB	419+12.0	- 419+65.5	IN	--	--	--	--	--	1	--	--	--
		419+65.5	- 421+54.8	IN	--	--	187.5	--	--	--	--	--	--
		421+54.8	- 421+95.6	IN	--	--	--	--	40	--	--	--	--
		419+12.0	- 421+95.6	IN	--	128	--	--	--	--	--	--	--
YEAR 1 SOUTH SUBTOTAL		425+66.6	- 425+66.6	IN	--	--	--	--	40	--	--	--	--
		425+66.6	- 428+51.4	IN	--	--	287.5	--	--	--	--	--	--
		428+51.4	- 429+04.0	IN	--	--	--	--	--	1	--	--	--
		425+27.6	- 429+04.0	IN	--	171	--	--	--	--	--	--	--
		YEAR 1 SOUTH SUBTOTAL			--	531	--	160	4	--	--	--	

CONTINUED ON NEXT PAGE

PLOT DATE: 12/29/2019 11:23:02 AM

FILE NAME: T:\Design\01 Projects\WsdOT SE Region\1090-16-00_L_43_Walworth\2.0_PSE\Misc. Quantities\030201-mr.ppt

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED

CONTINUED FROM PREVIOUS PAGE

GUARDRAIL ITEMS

STAGE	ROADWAY	STATION	TO STATION	SIDE	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT	614.2300 MGS GUARDRAIL	614.2320 MGS GUARDRAIL	614.2500 MGS THRIE BEAM TRANSITION	614.2610 MGS GUARDRAIL TERMINAL EAT	614.2620 MGS GUARDRAIL TERMINAL TYPE 2	614.2310 MGS GUARDRAIL
					LF	SY	LF	OS	LF	EACH	EACH	HS
												LF
1	YEAR 1 NORTH											
	IH 43 NB	897+95.5	- 868+48.6	IN	--	--	--	--	--	1	--	--
		868+48.6	- 871+11.1	IN	--	--	262.5	--	--	--	--	--
		871+11.1	- 871+50.5	IN	--	--	--	40	--	--	--	--
		897+95.5	- 871+50.5	IN	--	160	--	--	--	--	--	--
		898+53.8	- 899+06.9	IN	--	--	--	--	--	1	--	--
		899+06.9	- 901+19.4	IN	--	--	212.5	--	--	--	--	--
		901+19.4	- 901+58.8	IN	--	--	--	40	--	--	--	--
		898+53.8	- 901+58.8	IN	--	138	--	--	--	--	--	--
	IH 43 SB	904+02.0	- 904+41.4	IN	--	--	--	40	--	--	--	--
		904+41.4	- 906+53.9	IN	--	--	212.5	--	--	--	--	--
		906+53.9	- 907+07.0	IN	--	--	--	--	1	--	--	--
		904+02.0	- 907+07.0	IN	--	138	--	--	--	--	--	--
2A	IH 43 NB	868+63.0	- 869+16.1	OUT	--	--	--	--	1	--	--	--
		869+16.1	- 871+16.1	OUT	--	--	200	--	--	--	--	--
		871+16.1	- 871+55.5	OUT	--	--	--	40	--	--	--	--
		868+63.0	- 871+55.5	OUT	--	132	--	--	--	--	--	--
	IH 43 SB	873+54.6	- 873+94.0	OUT	--	--	--	40	--	--	--	--
		873+94.0	- 875+94.0	OUT	--	--	200	--	--	--	--	--
		875+94.0	- 876+47.1	OUT	--	--	--	--	1	--	--	--
		873+54.6	- 876+47.1	OUT	--	132	--	--	--	--	--	--
	IH 43 NB	898+26.8	- 899+79.9	OUT	--	--	--	--	1	--	--	--
		899+79.9	- 901+54.9	OUT	--	--	275	--	--	--	--	--
		901+54.9	- 901+94.3	OUT	--	--	--	40	--	--	--	--
		898+26.8	- 901+94.3	OUT	--	165	--	--	--	--	--	--
		904+78.9	- 904+87.1	OUT	8	--	--	--	--	--	--	--
		904+87.1	- 908+24.6	OUT	--	--	337.5	--	--	1	--	--
		904+78.9	- 908+24.6	OUT	--	151	--	--	--	--	--	--
	IH 43 SB	903+63.6	- 904+03.0	OUT	--	--	--	40	--	--	--	--
		904+03.0	- 906+40.4	OUT	--	--	237.5	--	--	--	--	--
		906+40.4	- 906+93.5	OUT	--	--	--	--	1	--	--	--
		903+63.6	- 906+93.5	OUT	--	149	--	--	--	--	--	--
	IH 43 NB	916+84.0	- 917+33.2	OUT	--	--	--	--	1	--	--	--
		917+33.2	- 920+06.6	OUT	--	--	275	--	--	--	--	--
		920+06.6	- 920+46.0	OUT	--	--	--	40	--	--	--	--
		916+84.0	- 920+46.0	OUT	--	114	--	--	--	--	--	--
		924+19.1	- 924+26.5	OUT	8	--	--	--	--	--	--	--
		924+26.5	- 923+76.5	OUT	--	--	--	--	--	--	--	--
		923+76.5	- 925+01.3	OUT	--	--	50	--	--	1	--	25 (1)
		924+19.1	- 925+01.3	OUT	--	15	--	--	--	--	--	--
	IH 43 SB	919+16.7	- 920+26.2	OUT	--	--	112.5	--	--	1	--	--
		920+26.2	- 920+51.2	OUT	--	--	--	--	--	--	--	25 (1)
		920+51.2	- 920+26.2	OUT	--	--	--	--	--	--	--	--
		920+26.2	- 924+21.0	OUT	8	--	62.5	--	--	--	--	--
		924+21.0	- 925+33.6	OUT	--	--	--	--	--	--	--	--
		924+21.0	- 925+33.6	OUT	--	--	--	40	--	--	--	--
		925+33.6	- 928+76.5	OUT	--	--	350	--	--	--	--	--
		928+76.5	- 929+21.4	OUT	--	--	--	--	1	--	--	--
		924+21.0	- 929+21.4	OUT	--	157	--	--	--	--	--	--

NOTES: (1) 25 FEET OF HALF POST SPACING NOT REQUIRED ON APPROACH END OF QUARTER POST SPACING. USE QUARTER SPACING.

PROJECT NO: 1090-16-70 HWY: IH 43 COUNTY: WALWORTH

MISCELLANEOUS QUANTITIES SHEET: 534

CONTINUED ON NEXT PAGE PLOT SCALE: 1:1

Addendum No. 01
ID 1090-16-70
Revised Sheet 534
January 7, 2020

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED

CONTINUED FROM PREVIOUS PAGE

STAGE	ROADWAY	SIDE	TO STATION	FROM STATION	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH		614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT		614.2300 MGS GUARDRAIL 3		614.2320 MGS GUARDRAIL 3		614.2500 MGS THRIE BEAM TRANSITION		614.2610 MGS GUARDRAIL TERMINAL EAT		614.2620 MGS GUARDRAIL TERMINAL TYPE 2		614.2310 MGS GUARDRAIL 3		
					LF	SY	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF		LF	
2B	IH 43 SB	IN	873+61.5	873+99.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50	
			873+99.0	876+49.0	--	--	250	--	--	40	--	--	--	--	--	--	--	--	--		--
			876+49.0	877+02.1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--		--
			873+61.5	877+02.1	--	--	157	--	--	--	--	--	--	--	--	--	--	--	--		--
			917+77.2	918+30.3	IN	--	--	--	--	--	--	--	--	--	1	--	--	--	--		--
			918+30.3	920+30.3	IN	--	--	200	--	--	--	--	--	--	--	--	--	--	--		--
			920+30.3	920+69.7	IN	--	--	--	--	--	40	--	--	--	--	--	--	--	--		--
			917+77.2	920+69.7	IN	--	--	133	--	--	--	--	--	--	--	--	--	--	--		--
			924+70.4	925+09.9	IN	--	--	--	--	--	40	--	--	--	--	--	--	--	--		--
			925+09.9	926+97.4	IN	--	--	187.5	--	--	--	--	--	--	--	--	--	--	--		--
926+97.4	927+50.4	IN	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--				
924+70.4	927+50.4	IN	--	--	128	--	--	--	--	--	--	--	--	--	--	--	--				
YEAR 1 NORTH SUBTOTAL					24	1,869	3,312.5	112.5	480	12	3	50									
4A	IH 43 NB	IN	263+66.8	264+20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
			264+20.0	266+82.5	--	--	262.5	--	--	--	--	--	--	--	--	--	--	--	--		--
			266+82.5	267+22.5	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--		--
			263+66.8	267+22.5	--	--	159	--	--	--	--	--	--	--	--	--	--	--	--		--
			585+26.0	585+78.9	IN	--	--	--	--	--	--	--	--	--	1	--	--	--	--		--
			585+78.9	588+53.1	IN	--	--	275	--	--	40	--	--	--	--	--	--	--	--		--
			588+53.1	588+92.4	IN	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
			585+26.0	588+92.4	IN	--	--	165	--	--	--	--	--	--	--	--	--	--	--		--
			688+85.8	689+39.2	IN	--	--	--	--	--	--	--	--	--	1	--	--	--	--		--
			689+39.2	691+77.3	IN	--	--	237.5	--	--	40	--	--	--	--	--	--	--	--		--
691+77.3	692+16.7	IN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
688+85.8	692+16.7	IN	--	--	150	--	--	--	--	--	--	--	--	--	--	--	--				
644+26.2	644+89.6	IN	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--				
644+89.6	646+90.9	IN	--	--	200	--	--	--	--	--	--	--	--	--	--	--	--				
646+90.9	947+30.5	IN	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--				
644+26.2	947+30.5	IN	--	--	130	--	--	--	--	--	--	--	--	--	--	--	--				
IH 43 SB		IN	269+30.4	269+70.4	--	--	--	--	--	--	--	--	40	--	--	--	--	--	--		
			269+70.4	272+32.9	--	--	262.5	--	--	--	--	--	--	--	--	--	--	--	--		
			272+32.9	272+85.7	IN	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
			269+30.4	272+85.7	IN	--	--	159	--	--	--	--	--	--	--	--	--	--	--	--	
			590+91.9	591+29.6	IN	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--	
			591+29.6	593+17.6	IN	--	--	187.5	--	--	--	--	--	--	--	--	--	--	--	--	
			593+17.6	593+70.8	IN	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
			590+91.9	593+70.8	IN	--	--	127	--	--	--	--	--	--	--	--	--	--	--	--	
			649+20.7	649+59.8	IN	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--	
			649+59.8	652+45.5	IN	--	--	287.5	--	--	--	--	--	--	--	--	--	--	--	--	
652+45.5	652+98.3	IN	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--				
649+20.7	652+98.3	IN	--	--	170	--	--	--	--	--	--	--	--	--	--	--	--				
693+84.4	694+23.8	IN	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--				
694+23.8	696+73.8	IN	--	--	250	--	--	--	--	--	--	--	--	--	--	--	--				
696+73.8	697+26.8	IN	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--				
693+84.4	697+26.8	IN	--	--	154	--	--	--	--	--	--	--	--	--	--	--	--				

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1

Addendum No. 01
ID 1090-16-70
Revised Sheet 535
January 7, 2020

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED
CONTINUED FROM PREVIOUS PAGE

GUARDRAIL ITEMS

STAGE	ROADWAY	STATION	TO STATION	SIDE	614.0200		614.0397		614.2320		614.2500		614.2610		614.2620		
					STEEL	THRIE BEAM	GUARDRAIL	MOW STRIP	GUARDRAIL	MGS	THRIE BEAM	GUARDRAIL	MGS	GUARDRAIL	THRIE BEAM	GUARDRAIL	MGS
					LF	LF	SY	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	
4B	IH 43 NB	264+42.5	- 264+96.1	OUT	--	--	--	--	--	--	--	--	1	--	--	--	
		264+96.1	- 266+96.1	OUT	--	--	--	200	--	--	--	--	--	--	--	--	--
		266+96.1	- 267+36.1	OUT	--	--	--	--	40	--	--	--	--	--	--	--	--
		264+42.5	- 267+36.1	OUT	--	--	136	--	--	--	--	--	--	--	--	--	--
		586+53.9	- 587+06.7	OUT	--	--	--	--	--	--	--	--	--	1	--	--	--
		587+06.7	- 588+92.9	OUT	--	--	--	--	187.5	--	--	--	--	--	--	--	--
		588+92.9	- 589+32.1	OUT	--	--	--	--	--	--	--	40	--	--	--	--	--
		586+53.9	- 589+32.1	OUT	--	--	126	--	--	--	--	--	--	--	--	--	--
		644+53.5	- 645+07.3	OUT	--	--	--	--	--	--	--	--	--	1	--	--	--
		645+07.3	- 647+48.0	OUT	--	--	--	--	237.5	--	--	--	--	--	--	--	--
		647+48.0	- 647+87.9	OUT	--	--	--	--	--	--	40	--	--	--	--	--	--
		644+53.5	- 647+87.9	OUT	--	--	149	--	--	--	--	--	--	--	--	--	--
		688+97.5	- 689+52.3	OUT	--	--	--	--	--	--	--	--	--	1	--	--	--
		689+52.3	- 691+77.3	OUT	--	--	--	--	225	--	--	--	--	--	--	--	--
691+77.3	- 692+16.7	OUT	--	--	--	--	--	--	40	--	--	--	--	--	--		
688+97.5	- 692+16.7	OUT	--	--	143	--	--	--	--	--	--	--	--	--	--		
IH 43 SB		269+21.2	- 269+61.2	OUT	--	--	--	--	--	--	40	--	--	--	--	--	
		269+61.2	- 271+61.2	OUT	--	--	--	200	--	--	--	--	--	--	--	--	
		271+61.2	- 272+13.8	OUT	--	--	--	--	--	--	--	--	1	--	--	--	
		269+21.2	- 272+13.8	OUT	--	--	132	--	--	--	--	--	--	--	--	--	
		590+47.8	- 590+87.5	OUT	--	--	--	--	--	--	40	--	--	--	--	--	
		590+87.5	- 593+14.0	OUT	--	--	--	--	225	--	--	--	--	--	--	--	
		593+14.0	- 593+67.4	OUT	--	--	--	--	--	--	--	--	1	--	--	--	
		590+47.8	- 593+67.4	OUT	--	--	143	--	--	--	--	--	--	--	--	--	
		648+71.3	- 649+10.2	OUT	--	--	--	--	--	--	40	--	--	--	--	--	
		649+10.2	- 650+58.2	OUT	--	--	--	150	--	--	--	--	--	--	--	--	
		650+58.2	- 651+10.6	OUT	--	--	--	--	--	--	--	--	1	--	--	--	
		648+71.3	- 651+10.6	OUT	--	--	110	--	--	--	--	--	--	--	--	--	
		693+84.4	- 694+23.8	OUT	--	--	--	--	--	--	40	--	--	--	--	--	
		694+23.8	- 696+23.8	OUT	--	--	--	200	--	--	--	--	--	--	--	--	
696+23.8	- 696+76.8	OUT	--	--	--	--	--	--	--	--	--	1	--	--			
693+84.4	- 696+76.8	OUT	--	--	132	--	--	--	--	--	--	--	--	--			
		YEAR 2 STAGE 4 SUBTOTAL			--	--	2,285	3,588	--	640	--	16	--	--	--		

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Addendum No. 01
ID 1090-16-70
Revised Sheet 536
January 7, 2020

1

CONTINUED ON NEXT PAGE

3

3

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED
 CONTINUED FROM PREVIOUS PAGE

STAGE	ROADWAY YEAR Z	STATION	TO STATION	SIDE	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH		614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT		614.2300 MGS GUARDRAIL		614.2320 MGS GUARDRAIL		614.2500 MGS THRIE BEAM TRANSITION		614.2610 MGS GUARDRAIL TERMINAL		614.2620 MGS GUARDRAIL TERMINAL			
					LF	LF	SY	LF	LF	OS	LF	LF	EACH	EACH	LF	LF	EACH	EACH	LF	LF
5	IH 43 NB	127+74.0	- 128+26.7	IN	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	
		128+26.7	- 130+76.7	IN	--	250	--	--	--	--	--	--	--	40	--	--	--	--	--	--
		130+76.7	- 131+16.7	IN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		127+74.0	- 131+16.7	IN	--	154	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		128+01.7	- 128+54.0	OUT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--
		128+54.0	- 130+54.0	OUT	--	--	--	--	--	200	--	--	--	--	40	--	--	--	--	--
		130+54.0	- 130+94.0	OUT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		128+01.7	- 130+94.0	OUT	--	132	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		135+31.5	- 135+71.5	OUT	--	--	--	--	--	212.5	--	--	--	--	40	--	--	--	--	--
		135+71.5	- 137+84.0	OUT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--
		137+84.0	- 138+37.6	OUT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		135+31.5	- 138+37.6	OUT	--	138	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		135+47.9	- 135+87.9	IN	--	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--
		135+87.9	- 138+50.4	IN	--	--	--	--	--	262.5	--	--	--	--	--	1	--	--	--	--
		138+50.4	- 139+05.6	IN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
135+47.9	- 139+05.6	IN	--	160	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
5	IH 43 NB	153+90.9	- 154+44.4	IN	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	
		154+44.4	- 156+94.4	IN	--	250	--	--	--	--	--	--	--	40	--	--	--	--	--	
		156+94.4	- 157+34.4	IN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		153+90.9	- 157+34.4	IN	--	154	--	--	--	--	--	--	--	--	--	1	--	--	--	--
		154+56.0	- 155+09.0	OUT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		155+09.0	- 157+09.0	OUT	--	200	--	--	--	200	--	--	--	40	--	--	--	--	--	--
		157+09.0	- 157+49.0	OUT	--	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--
		154+56.0	- 157+49.0	OUT	--	132	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		158+70.1	- 159+10.1	OUT	--	--	--	--	--	200	--	--	--	--	40	--	--	--	--	--
		159+10.1	- 161+10.1	OUT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--
		161+10.1	- 161+63.1	OUT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		158+70.1	- 161+63.1	OUT	--	132	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		158+84.6	- 159+24.6	IN	--	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--
		159+24.6	- 161+74.6	IN	--	250	--	--	--	250	--	--	--	--	--	1	--	--	--	--
		161+74.6	- 162+27.7	IN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
158+84.6	- 162+27.7	IN	--	152	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
5	IH 43 NB	227+38.4	- 227+91.4	IN	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	
		227+91.4	- 230+41.4	IN	--	250	--	--	--	--	--	--	--	40	--	--	--	--	--	
		230+41.4	- 230+81.4	IN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		227+38.4	- 230+81.4	IN	--	154	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		228+37.7	- 228+90.8	OUT	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--
		228+90.8	- 230+90.8	OUT	--	200	--	--	--	200	--	--	--	40	--	--	--	--	--	--
		230+90.8	- 231+30.8	OUT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		228+37.7	- 231+30.8	OUT	--	132	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		231+75.8	- 232+15.8	OUT	--	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--
		232+15.8	- 234+53.3	OUT	--	237.5	--	--	--	237.5	--	--	--	--	--	1	--	--	--	--
		234+53.3	- 235+11.8	OUT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		231+75.8	- 235+11.8	OUT	--	152	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		232+25.2	- 232+65.2	IN	--	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--
		232+65.2	- 235+52.7	IN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		235+52.7	- 236+05.4	IN	--	287.5	--	--	--	287.5	--	--	--	--	--	1	--	--	--	--
232+25.2	- 236+05.4	IN	--	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--		

YEAR 2 STAGE 5 SUBTOTAL 2,800.0 10,500.0 112.5 1,760 44 3 50

TOTALS	24	6,447	10,500.0	112.5	1,760	44	3	50
PROJECT NO: 1090-16-70	COUNTY: WALTHORTH			MISCELLANEOUS QUANTITIES				SHEET: 537

1 Addendum No. 01
 ID 1090-16-70
 Revised Sheet 537
 January 7, 2020

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED
CONTINUED FROM PREVIOUS PAGE

Addendum No. 01
ID 1090-16-70
Revised Sheet 548
January 7, 2020

TEMPORARY PAVEMENT MARKING ITEMS

STAGE	ROADWAY	646.9000*		646.9100*		649.0105		649.0150*		649.0205		649.0250*		649.0760		
		MARKING LINE REMOVAL 4-INCH	LF	MARKING LINE REMOVAL 8-INCH	LF	TEMPORARY MARKING LINE PAINT 4-INCH YELLOW	LF	TEMPORARY MARKING LINE PAINT 4-INCH WHITE	LF	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW	LF	TEMPORARY MARKING LINE PAINT 8-INCH SOLID	LF	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH SOLID	LF	TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I EACH
4A	IH 43 AT OLD 89 RD	420	--	1,680	--	--	--	--	--	--	--	--	--	--	--	--
	IH 43 AT BORG/MOUND RD	425	500	1,680	--	--	--	--	--	--	--	--	--	--	--	--
	STAGE 4A SUBTOTAL	845	500	3,360	--	--	--	--	--	--	--	--	--	--	--	--
4B	IH 43 AT OLD 89 RD	2,750	--	4,680	800	2,570	800	2,230	800	2,230	147	750	2,195	1,445	--	--
	IH 43 AT BORG/MOUND RD	7,075	850	8,905	--	6,160	--	2,230	--	2,230	147	1,445	2,195	1,445	--	--
	STAGE 4B SUBTOTAL	9,825	850	13,585	800	8,730	800	2,230	800	2,230	147	2,195	2,195	1,445	--	--
4C	IH 43 AT OLD 89 RD	2,970	--	4,369	--	2,648	--	3,045	2,648	--	--	--	--	--	--	--
	IH 43 AT BORG/MOUND RD	5,650	500	6,320	--	6,050	--	3,045	6,050	--	--	1,075	1,075	1,075	--	--
	STAGE 4C SUBTOTAL	8,620	500	10,689	0	3,045	8,698	3,045	8,698	--	--	1,075	1,075	1,075	--	--
5	IH 43	201,400	--	186,467	232,898	186,467	232,898	186,467	232,898	22,147	1,275	22,147	1,275	0	0	0
	STAGE 5 SUBTOTAL	201,400	0	186,467	232,898	186,467	232,898	186,467	232,898	22,147	1,275	22,147	1,275	0	0	0
	YEAR 2 SUBTOTALS	220,690	1,850	200,516	246,483	11,775	9,498	24,377	1,422	3,270	1,422	3,270	1,422	3,270	--	--
UNDISTRIBUTED		27,225	695	23,974	28,474	4,899	4,700	2,775	175	800	175	800	175	50	--	--
	TOTALS	299,450	7,600	263,660	313,210	53,889	51,593	30,352	1,813	8,775	1,813	8,775	1,813	365	--	--
	* ADDITIONAL QUANTITIES LISTED ELSEWHERE			576,870		105,482		32,165		9,140		65				

PROJECT NO: 1090-16-70

HWY: IH 43

COUNTY: WALWORTH

MISCELLANEOUS QUANTITIES

SHEET: 548

E

FILE NAME: T:\Design\01 Projects\WsdOT SE Region\1600-16-00_L_43_Walworth\2.0 P&S\EMisc. Quantities\03201-mnppt

PLOT DATE: 1/9/2020 1:31:38 PM

PLOT SCALE: 1:1

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED

TRAFFIC CONTROL

LOCATION PROJECT	643.5000
EACH	1
TOTAL	1

TRAFFIC CONTROL INTERIM LANE SHIFT

LOCATION PROJECT	SPV.0060.007
EACH	120
TOTAL	120

1 Addendum No. 01
ID 1090-16-70
Revised Sheet 549
January 7, 2020

TRAFFIC CONTROL FULL FREEWAY CLOSURE

LOCATION PROJECT	SPV.0060.008
EACH	40
TOTAL	40

TRAFFIC CONTROL CLOSE-OPEN FREEWAY SERVICE RAMP

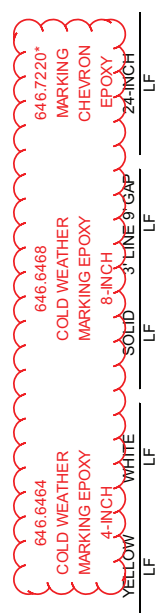
LOCATION PROJECT	SPV.0060.009
EACH	100
TOTAL	100

FIXED MESSAGE SIGNS

STAGE	ROADWAY	SIGN NUMBER	EACH	MESSAGE	NO. CYCLES EACH	COMMENTS
YEAR 1	IH 43 NB	100	2	643.1000 TRAFFIC CONTROL SIGNS	162.0	
	IH 43 SB	101	2	638.2102* MOVING SIGNS	165.0	
	USH 14	103	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
	CTH X	104	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
	STH 50	104	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
	STH 67	103	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
	USH 12	102	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	132.0	
	STH 11	102A	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
	CTH X	---	1	643.0920* TRAFFIC CONTROL COVERING SIGNS	45.0	SEE IH 43 SB EXIT RAMP TO CTH X DETOUR
	USH 12	---	1	643.0920* TRAFFIC CONTROL COVERING SIGNS	45.0	SEE IH 43 NB EXIT RAMP TO USH 12 EB DETOUR
YEAR 2	IH 43 NB	100	1	643.0920* TRAFFIC CONTROL COVERING SIGNS	82.5	
	IH 43 SB	101	1	643.0920* TRAFFIC CONTROL COVERING SIGNS	82.5	
	STH 140	103	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
	USH 14	103	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
	CTH X	104	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
	STH 50	102A	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
	STH 67	102A	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
	USH 12	102	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	132.0	
	STH 11	102A	2	643.0920* TRAFFIC CONTROL COVERING SIGNS	44.0	
TOTALS			2		1,333.0	

TEMPORARY PAVEMENT MARKING ITEMS - WINTER SHUTDOWN

STAGE	ROADWAY	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
2B	IH 43	20900	20900	4050	1150	610
	STAGE 2B SUBTOTAL	20900	20900	4050	1,150	610
3B	IH 43	8250	8400	2250	--	150
	STAGE 3B SUBTOTAL	8,250	8,400	2,250	--	150
TOTALS		58,450	29,300	6,300	1,150	760



* ADDITIONAL QUANTITIES LISTED ELSEWHERE

Addendum No. 01
 ID 1090-16-70
 Revised Sheet 550
 January 7, 2020

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED

PAVEMENT MARKING ITEMS

LOCATION	646.1020*		646.1040		646.1545		646.3020*		646.3555		646.5120*		646.5520		646.6120		646.7220*		646.8220*	
	MARKING EPOXY 4-INCH	WHITE LF	YELLOW LF	MARKING LINE GROOVED WET EPOXY 4-INCH	WHITE LF	YELLOW LF	LINE GROOVED WET REF CONTRAST EPOXY 4-INCH	3' LINE 9" GAP WHITE LF	3' LINE 9" GAP WHITE LF	MARKING LINE GROOVED CONTRAST EPOXY 8-INCH	3' LINE 9" GAP WHITE LF	8-INCH TAPE PERMANENT	MARKING ARROW EPOXY WHITE EACH	MARKING WORD EPOXY WHITE EACH	MARKING OUTFALL EPOXY WHITE EACH	STOP LINE EPOXY 18-INCH WHITE LF	CHEVRON EPOXY 24-INCH WHITE LF	ISLAND NOSE EPOXY YELLOW EACH	MARKING CONTRAST EPOXY 4-INCH CONTRAST EPOXY 12.5" LINE 37.5" GAP WHITE LF	
87+30 - 340+00	820	820	54,780	54,515	160	12,217	275	275	4,960	2	2	2	2	2	2	240	213	213	213	400
340+00 - 957+00	1580	1590	97,120	117,160		29,575														
IH 43 NB OFF RAMP TO USH 14			2,115	1,250					235	1										
IH 43 NB ON RAMP FROM USH 14			2,960	1,405					825											
IH 43 SB ON RAMP FROM USH 14			2,765	1,250					950											
IH 43 SB OFF RAMP TO USH 14			2,755	1,145					445	1										
IH 43 NB OFF RAMP TO CTH X	2,125	1,225			175				475	2						115				
IH 43 NB ON RAMP FROM CTH X	1,305	1,000	1,954						1,272											513
IH 43 SB ON RAMP FROM CTH X	3,332	2,765	1,028						1,705											
IH 43 SB OFF RAMP TO CTH X	1,805	1,830	1,025		175				240	2						175				490
IH 43 NB OFF RAMP TO CTH X	175	170	1,945	995	200				475	1						95				
IH 43 NB ON RAMP FROM CTH X	840	850	1,820	302					1,570											
IH 43 SB ON RAMP FROM CTH X	156	176	2,020	495					1,375											
IH 43 SB OFF RAMP TO CTH X	390	380	1,417	1,130	150				435	2						100				
IH 43 NB OFF RAMP TO CTH X	40	50	1,917	950	200				440	2						30				
IH 43 NB ON RAMP FROM CTH X			3,805	1,175					1,325											
IH 43 SB ON RAMP FROM CTH X			2,690	1,185					1,595											
IH 43 SB OFF RAMP TO CTH X			2,010	1,035	200				520	3						110				
IH 43 NB OFF RAMP TO USH 12 EB	1,260	1,125	760		175				450							125				
IH 43 NB ON RAMP FROM USH 12 EB	1,485	840	440	65					350											
IH 43 NB OFF RAMP TO USH 12 WB	1,365	1,190	175						355							60				
IH 43 NB ON RAMP FROM USH 12 WB	1,950	1,140							1,000											
IH 43 SB ON RAMP FROM USH 12 WB	1,475	1,440	1,195						415											
IH 43 SB OFF RAMP TO USH 12 WB	1,190	1,120	215						150							75				
IH 43 SB ON RAMP FROM USH 12 WB	1,475	955	225						375											
IH 43 SB OFF RAMP TO USH 12 WB	1,955	1,125			175				675							70				
96+00 - 104+00	1,580	1,580	1,570						0	4						55				
UNDISTRIBUTED																				
SUBTOTAL	26,303	21,371	188,706	184,057	1,610	41,792	1,275	250	335	20	2	800	120	1,165	2	613	1,003	613	1,003	
TOTALS	47,674	372,763	1,610	41,792	1,275	22,147	20	2	800	120	1,165	2	613	1,003	613	1,003				

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE NOTED

CONSTRUCTION STAKING - STRUCTURES

LOCATION	650.6500.001	650.6500.002	650.6500.003	650.6500.004	650.6500.005	650.6500.006	650.6500.007	650.6500.008
	CONSTRUCTION STAKING	CONSTRUCTION STAKING	CONSTRUCTION STAKING	CONSTRUCTION STAKING	CONSTRUCTION STAKING	CONSTRUCTION STAKING	CONSTRUCTION STAKING	CONSTRUCTION STAKING
	STRUCTURE LAYOUT	STRUCTURE LAYOUT	STRUCTURE LAYOUT	STRUCTURE LAYOUT	STRUCTURE LAYOUT	STRUCTURE LAYOUT	STRUCTURE LAYOUT	STRUCTURE LAYOUT
	(STRUCTURE)	(STRUCTURE)	(STRUCTURE)	(STRUCTURE)	(STRUCTURE)	(STRUCTURE)	(STRUCTURE)	(STRUCTURE)
	LS	LS	LS	LS	LS	LS	LS	LS
B-64-83	1	--	--	--	--	--	--	--
B-64-84	--	1	--	--	--	--	--	--
B-64-105	--	--	1	--	--	--	--	--
B-64-106	--	--	--	1	--	--	--	--
B-64-107	--	--	--	--	1	--	--	--
B-64-108	--	--	--	--	--	1	--	--
B-64-109	--	--	--	--	--	--	1	--
B-64-126	--	--	--	--	--	--	--	1
TOTALS	1	1	1	1	1	1	1	1

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Addendum No. 01
ID 1090-16-70
Revised Sheet 553
January 7, 2020

3

3

SAWING ITEMS

ROADWAY	STATION	TO STATION	690.0150* SAWING ASPHALT	690.0250* SAWING CONCRETE
PROJECT			LF	LF
	91+46	- 938+00	5,900	8,000
UNDISTRIBUTED			600	1,000
TOTALS			6,500	9,000

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

HIGH FRICTION SURFACE TREATMENT

ROADWAY	STATION	TO STATION	SPV.0180.001 RESIN BINDER HIGH FRICTION SURFACE TREATMENT
			SY
IH 43 NB	127+00	- 139+75	2,800
	415+50	- 442+65	9,750
	643+58	- 655+00	3,400
IH 43 SB	127+50	- 139+50	2,800
	416+50	- 443+85	7,650
	642+50	- 656+00	3,425
TOTAL			29,825

1

PROJECT NO: 1090-16-70

HWY: IH 43

COUNTY: WALWORTH

MISCELLANEOUS QUANTITIES

SHEET: 553

E

FILE NAME: T:\Design\01 Projects\WsdOT SE Region\1800-16-00_L_03_Walworth\2.0_PSE\Misc_Quantities\030201-mn.ppt

PLOT DATE: 1/9/2020 1:38:01 PM

PLOT SCALE: 1:1



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	108.4400 CPM Progress Schedule	1.000 EACH	_____.	_____.
0004	203.0200 Removing Old Structure (station) 0005. Sta. 99+94	LS	LUMP SUM	_____.
0006	203.0200 Removing Old Structure (station) 0010. Sta. 423+33.88	LS	LUMP SUM	_____.
0008	203.0200 Removing Old Structure (station) 0020. Sta. 872+46, 42' Lt	LS	LUMP SUM	_____.
0010	203.0200 Removing Old Structure (station) 0030. Sta. 922+47, 40' Rt	LS	LUMP SUM	_____.
0012	203.0200 Removing Old Structure (station) 0040. Sta. 922+84, 40' Lt	LS	LUMP SUM	_____.
0014	203.0210.S Abatement of Asbestos Containing Material (structure) 0010. B-64-63	LS	LUMP SUM	_____.
0016	203.0210.S Abatement of Asbestos Containing Material (structure) 0020. B-64-64	LS	LUMP SUM	_____.
0018	203.0210.S Abatement of Asbestos Containing Material (structure) 0030. B-64-105	LS	LUMP SUM	_____.
0020	203.0210.S Abatement of Asbestos Containing Material (structure) 0040. B-64-106	LS	LUMP SUM	_____.
0022	203.0210.S Abatement of Asbestos Containing Material (structure) 0050. B-64-108	LS	LUMP SUM	_____.
0024	203.0210.S Abatement of Asbestos Containing Material (structure) 0060. B-64-109	LS	LUMP SUM	_____.
0026	203.0210.S Abatement of Asbestos Containing Material (structure) 0070. B-64-114	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0028	203.0210.S Abatement of Asbestos Containing Material (structure) 0080. B-64-115	LS	LUMP SUM	_____.
0030	203.0210.S Abatement of Asbestos Containing Material (structure) 0090. B-64-116	LS	LUMP SUM	_____.
0032	203.0210.S Abatement of Asbestos Containing Material (structure) 0100. B-64-117	LS	LUMP SUM	_____.
0034	203.0210.S Abatement of Asbestos Containing Material (structure) 0110. B-64-124	LS	LUMP SUM	_____.
0036	203.0210.S Abatement of Asbestos Containing Material (structure) 0120. B-64-126	LS	LUMP SUM	_____.
0038	203.0210.S Abatement of Asbestos Containing Material (structure) 0130. B-64-127	LS	LUMP SUM	_____.
0040	203.0210.S Abatement of Asbestos Containing Material (structure) 0140. B-64-138	LS	LUMP SUM	_____.
0042	203.0210.S Abatement of Asbestos Containing Material (structure) 0150. B-64-128	LS	LUMP SUM	_____.
0044	203.0225.S Debris Containment (structure) 0010. B-64-107	LS	LUMP SUM	_____.
0046	203.0225.S Debris Containment (structure) 0020. B-64-108	LS	LUMP SUM	_____.
0048	203.0225.S Debris Containment (structure) 0030. B-64-124	LS	LUMP SUM	_____.
0050	203.0225.S Debris Containment (structure) 0040. B-64-125	LS	LUMP SUM	_____.
0052	203.0225.S Debris Containment (structure) 0050. B-64-127	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0054	203.0225.S Debris Containment (structure) 0060. B-64-135	LS	LUMP SUM	_____.
0056	203.0225.S Debris Containment (structure) 0070. B-64-136	LS	LUMP SUM	_____.
0058	204.0100 Removing Pavement	1,543.000 SY	_____.	_____.
0060	204.0105 Removing Pavement Butt Joints	3,810.000 SY	_____.	_____.
0062	204.0109.S Removing Concrete Surface Partial Depth	11,880.000 SF	_____.	_____.
0064	204.0110 Removing Asphaltic Surface	21,333.000 SY	_____.	_____.
0066	204.0115 Removing Asphaltic Surface Butt Joints	23,980.000 SY	_____.	_____.
0068	204.0120 Removing Asphaltic Surface Milling	28,943.000 SY	_____.	_____.
0070	204.0150 Removing Curb & Gutter	1,203.000 LF	_____.	_____.
0072	204.0165 Removing Guardrail	14,682.000 LF	_____.	_____.
0074	204.0170 Removing Fence	476.000 LF	_____.	_____.
0076	204.0175 Removing Concrete Slope Paving	95.000 SY	_____.	_____.
0078	204.0180 Removing Delineators and Markers	116.000 EACH	_____.	_____.
0080	204.0220 Removing Inlets	12.000 EACH	_____.	_____.
0082	204.0245 Removing Storm Sewer (size) 001. 12-Inch	135.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0084	204.0245 Removing Storm Sewer (size) 002. 15-Inch	293.000 LF	_____.	_____.
0086	204.0245 Removing Storm Sewer (size) 003. 18-Inch	591.000 LF	_____.	_____.
0088	204.0245 Removing Storm Sewer (size) 004. 24-Inch	149.000 LF	_____.	_____.
0090	204.0270 Abandoning Culvert Pipes	2.000 EACH	_____.	_____.
0092	204.9060.S Removing (item description) 001. Inlet Covers	1.000 EACH	_____.	_____.
0094	204.9060.S Removing (item description) 002. Apron Endwall for Culvert Pipe Steel 12-Inch	5.000 EACH	_____.	_____.
0096	204.9060.S Removing (item description) 003. Apron Endwall for Culvert Pipe Steel 15-Inch	1.000 EACH	_____.	_____.
0098	204.9060.S Removing (item description) 004. Apron Endwall for Culvert Pipe Reinf Conc 18-Inch	7.000 EACH	_____.	_____.
0100	204.9060.S Removing (item description) 005. Apron Endwall for Culvert Pipe Reinf Conc 24-Inch	2.000 EACH	_____.	_____.
0102	204.9060.S Removing (item description) 006. Apron Endwall for Culvert Pipe Reinf Conc 30-Inch	2.000 EACH	_____.	_____.
0104	205.0100 Excavation Common	75,478.000 CY	_____.	_____.
0106	206.1000 Excavation for Structures Bridges (structure) 0010. B-64-63	LS	LUMP SUM	_____.
0108	206.1000 Excavation for Structures Bridges (structure) 0020. B-64-64	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0110	206.1000 Excavation for Structures Bridges (structure) 0030. B-64-107	LS	LUMP SUM	_____.
0112	206.1000 Excavation for Structures Bridges (structure) 0040. B-64-126	LS	LUMP SUM	_____.
0114	209.2500 Backfill Granular Grade 2	200.000 TON	_____.	_____.
0116	210.1500 Backfill Structure Type A	288.000 TON	_____.	_____.
0118	213.0100 Finishing Roadway (project) 001. 1090-16-70	1.000 EACH	_____.	_____.
0120	305.0110 Base Aggregate Dense 3/4-Inch	6,590.000 TON	_____.	_____.
0122	305.0120 Base Aggregate Dense 1 1/4-Inch	50,500.000 TON	_____.	_____.
0124	305.0410 Aggregate Detours	25.000 TON	_____.	_____.
0126	310.0110 Base Aggregate Open-Graded	340.000 TON	_____.	_____.
0128	311.0110 Breaker Run	53,100.000 TON	_____.	_____.
0130	320.0145 Concrete Base 8-Inch	334.000 SY	_____.	_____.
0132	390.0303 Base Patching Concrete	70.000 SY	_____.	_____.
0134	390.0403 Base Patching Concrete Shes	75.000 SY	_____.	_____.
0136	415.0120 Concrete Pavement 12-Inch	309.000 SY	_____.	_____.
0138	415.0410 Concrete Pavement Approach Slab	801.000 SY	_____.	_____.
0140	416.0610 Drilled Tie Bars	574.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0142	416.0620 Drilled Dowel Bars	2,275.000 EACH	_____.	_____.
0144	416.0750.S Concrete Pavement Partial Depth Repair Joint Repair	300.000 LF	_____.	_____.
0146	416.0756.S Concrete Pavement Partial Depth Repair Edge Repair	1,500.000 LF	_____.	_____.
0148	416.1010 Concrete Surface Drains	43.000 CY	_____.	_____.
0150	416.1710 Concrete Pavement Repair	800.000 SY	_____.	_____.
0152	416.1715 Concrete Pavement Repair SHES	400.000 SY	_____.	_____.
0154	416.1720 Concrete Pavement Replacement	700.000 SY	_____.	_____.
0156	416.1725 Concrete Pavement Replacement SHES	300.000 SY	_____.	_____.
0158	420.1000 Continuous Diamond Grinding Concrete Pavement	472,000.000 SY	_____.	_____.
0160	450.4000 HMA Cold Weather Paving	2,245.000 TON	_____.	_____.
0162	455.0605 Tack Coat	5,721.000 GAL	_____.	_____.
0164	460.2000 Incentive Density HMA Pavement	20,920.000 DOL	1.00000	20,920.00
0166	460.6223 HMA Pavement 3 MT 58-28 S	25,259.000 TON	_____.	_____.
0168	460.6224 HMA Pavement 4 MT 58-28 S	7,427.000 TON	_____.	_____.
0170	465.0105 Asphaltic Surface	21.000 TON	_____.	_____.
0172	465.0110 Asphaltic Surface Patching	25.000 TON	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0174	465.0115 Asphaltic Surface Detours	25.000 TON	_____.	_____.
0176	465.0125 Asphaltic Surface Temporary	1,610.000 TON	_____.	_____.
0178	465.0315 Asphaltic Flumes	8.000 SY	_____.	_____.
0180	465.0400 Asphaltic Shoulder Rumble Strips	81,668.000 LF	_____.	_____.
0182	501.1000.S Ice Hot Weather Concreting	26,635.000 LB	_____.	_____.
0184	502.0100 Concrete Masonry Bridges	2,402.000 CY	_____.	_____.
0186	502.3101 Expansion Device (structure) 0010. B-64-63	116.000 LF	_____.	_____.
0188	502.3101 Expansion Device (structure) 0020. B-64-64	116.000 LF	_____.	_____.
0190	502.3101 Expansion Device (structure) 0030. B-64-105	116.000 LF	_____.	_____.
0192	502.3101 Expansion Device (structure) 0040. B-64-106	118.000 LF	_____.	_____.
0194	502.3101 Expansion Device (structure) 0050. B-64-109	168.000 LF	_____.	_____.
0196	502.3101 Expansion Device (structure) 0060. B-64-126	144.000 LF	_____.	_____.
0198	502.3101 Expansion Device (structure) 0070. B-64-127	155.000 LF	_____.	_____.
0200	502.3101 Expansion Device (structure) 0080. B-64-116	123.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0202	502.3101 Expansion Device (structure) 0090. B-64-117	120.000 LF	_____.	_____.
0204	502.3101 Expansion Device (structure) 0100. B-64-125	47.000 LF	_____.	_____.
0206	502.3200 Protective Surface Treatment	16,479.000 SY	_____.	_____.
0208	502.3210 Pigmented Surface Sealer	1,325.000 SY	_____.	_____.
0210	502.4106 Adhesive Anchors 3/4-inch	140.000 EACH	_____.	_____.
0212	502.4107 Adhesive Anchors 7/8-inch	120.000 EACH	_____.	_____.
0214	502.4204 Adhesive Anchors No. 4 Bar	352.000 EACH	_____.	_____.
0216	502.4205 Adhesive Anchors No. 5 Bar	1,775.000 EACH	_____.	_____.
0218	505.0600 Bar Steel Reinforcement HS Coated Structures	598,180.000 LB	_____.	_____.
0220	505.0904 Bar Couplers No. 4	62.000 EACH	_____.	_____.
0222	505.0905 Bar Couplers No. 5	748.000 EACH	_____.	_____.
0224	505.0906 Bar Couplers No. 6	2,201.000 EACH	_____.	_____.
0226	505.0907 Bar Couplers No. 7	66.000 EACH	_____.	_____.
0228	506.2610 Bearing Pads Elastomeric Laminated	99.000 EACH	_____.	_____.
0230	506.4000 Steel Diaphragms (structure) 0010. B-64-107	12.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0232	506.6000 Bearing Assemblies Expansion (structure) 0010. B-64-116	10.000 EACH	_____.	_____.
0234	506.6000 Bearing Assemblies Expansion (structure) 0020. B-64-117	10.000 EACH	_____.	_____.
0236	506.6000 Bearing Assemblies Expansion (structure) 0030. B-64-133	10.000 EACH	_____.	_____.
0238	506.6000 Bearing Assemblies Expansion (structure) 0040. B-64-134	10.000 EACH	_____.	_____.
0240	506.7050.S Removing Bearings (structure) 0010. B-64-63	15.000 EACH	_____.	_____.
0242	506.7050.S Removing Bearings (structure) 0020. B-64-64	10.000 EACH	_____.	_____.
0244	506.7050.S Removing Bearings (structure) 0030. B-64-105	10.000 EACH	_____.	_____.
0246	506.7050.S Removing Bearings (structure) 0040. B-64-106	10.000 EACH	_____.	_____.
0248	506.7050.S Removing Bearings (structure) 0050. B-64-109	14.000 EACH	_____.	_____.
0250	506.7050.S Removing Bearings (structure) 0060. B-64-116	10.000 EACH	_____.	_____.
0252	506.7050.S Removing Bearings (structure) 0070. B-64-117	10.000 EACH	_____.	_____.
0254	506.7050.S Removing Bearings (structure) 0080. B-64-126	12.000 EACH	_____.	_____.
0256	506.7050.S Removing Bearings (structure) 0090. B-64-127	12.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0258	506.7050.S Removing Bearings (structure) 0100. B-64132	8.000 EACH	_____.	_____.
0260	506.7050.S Removing Bearings (structure) 0110. B-64-133	10.000 EACH	_____.	_____.
0262	506.7050.S Removing Bearings (structure) 0120. B-64-134	10.000 EACH	_____.	_____.
0264	506.7050.S Removing Bearings (structure) 0130. B-64-128	8.000 EACH	_____.	_____.
0266	509.0301 Preparation Decks Type 1	3,041.000 SY	_____.	_____.
0268	509.0302 Preparation Decks Type 2	1,735.000 SY	_____.	_____.
0270	509.0310.S Sawing Pavement Deck Preparation Areas	1,780.000 LF	_____.	_____.
0272	509.0500 Cleaning Decks	285.000 SY	_____.	_____.
0274	509.0505.S Cleaning Decks to Reapply Concrete Masonry Overlay	9,462.000 SY	_____.	_____.
0276	509.1000 Joint Repair	354.000 SY	_____.	_____.
0278	509.1500 Concrete Surface Repair	3,999.000 SF	_____.	_____.
0280	509.2000 Full-Depth Deck Repair	20.000 SY	_____.	_____.
0282	509.2100.S Concrete Masonry Deck Repair	13.000 CY	_____.	_____.
0284	509.2500 Concrete Masonry Overlay Decks	1,145.000 CY	_____.	_____.
0286	509.5100.S Polymer Overlay	11,766.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0288	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0010. B-64-105	1,182.000 SY	_____.	_____.
0290	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0020. B-64-106	1,181.000 SY	_____.	_____.
0292	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0030. B-64-108	909.000 SY	_____.	_____.
0294	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0040. B-64-109	1,781.000 SY	_____.	_____.
0296	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0050. B-64-127	1,683.000 SY	_____.	_____.
0298	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0060. B-64-116	1,029.000 SY	_____.	_____.
0300	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0070. B-64-117	1,031.000 SY	_____.	_____.
0302	509.9005.S Removing Concrete Masonry Deck Overlay (structure) 0080. B-64-125	666.000 SY	_____.	_____.
0304	516.0500 Rubberized Membrane Waterproofing	58.000 SY	_____.	_____.
0306	517.0900.S Preparation and Coating of Top Flanges (structure) 0010. B-64-63	LS	LUMP SUM	_____.
0308	517.0900.S Preparation and Coating of Top Flanges (structure) 0020. B-64-64	LS	LUMP SUM	_____.
0310	517.0900.S Preparation and Coating of Top Flanges (structure) 0030. B-64-126	LS	LUMP SUM	_____.
0312	517.1800.S Structure Repainting Recycled Abrasive (structure) 0010. B-64-63	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0314	517.1800.S Structure Repainting Recycled Abrasive (structure) 0020. B-64-64	LS	LUMP SUM	_____.
0316	517.1800.S Structure Repainting Recycled Abrasive (structure) 0030. B-64-105	LS	LUMP SUM	_____.
0318	517.1800.S Structure Repainting Recycled Abrasive (structure) 0040. B-64-106	LS	LUMP SUM	_____.
0320	517.1800.S Structure Repainting Recycled Abrasive (structure) 0050. B-64-109	LS	LUMP SUM	_____.
0322	517.1800.S Structure Repainting Recycled Abrasive (structure) 0060. B-64-120	LS	LUMP SUM	_____.
0324	517.1800.S Structure Repainting Recycled Abrasive (structure) 0070. B-64126	LS	LUMP SUM	_____.
0326	517.1800.S Structure Repainting Recycled Abrasive (structure) 0080. B-64-127	LS	LUMP SUM	_____.
0328	517.1800.S Structure Repainting Recycled Abrasive (structure) 009. B-64-128	LS	LUMP SUM	_____.
0330	517.1800.S Structure Repainting Recycled Abrasive (structure) 0100. B-64-132	LS	LUMP SUM	_____.
0332	517.3000.S Structure Overcoating Cleaning and Priming (structure) 0010. B-64-116	LS	LUMP SUM	_____.
0334	517.3000.S Structure Overcoating Cleaning and Priming (structure) 0020. B-64-117	LS	LUMP SUM	_____.
0336	517.4000.S Containment and Collection of Waste Materials (structure) 0010. B-64116	LS	LUMP SUM	_____.
0338	517.4000.S Containment and Collection of Waste Materials (structure) 0020. B-64-117	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0340	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0010. B-64-63	LS	LUMP SUM	_____.
0342	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0020. B-64-64	LS	LUMP SUM	_____.
0344	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0030. B-64-105	LS	LUMP SUM	_____.
0346	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0040. B-64-106	LS	LUMP SUM	_____.
0348	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0050. B-64-109	LS	LUMP SUM	_____.
0350	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0060. B-64-120	LS	LUMP SUM	_____.
0352	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0070. B-64-126	LS	LUMP SUM	_____.
0354	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0080. B-64-127	LS	LUMP SUM	_____.
0356	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0090. B-64-128	LS	LUMP SUM	_____.
0358	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 0100. B-64-132	LS	LUMP SUM	_____.
0360	517.6001.S Portable Decontamination Facility	12.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0362	520.8000 Concrete Collars for Pipe	1.000 EACH	_____.	_____.
0364	520.8700 Cleaning Culvert Pipes	23.000 EACH	_____.	_____.
0366	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch	14.000 EACH	_____.	_____.
0368	521.1015 Apron Endwalls for Culvert Pipe Steel 15-Inch	1.000 EACH	_____.	_____.
0370	522.0118 Culvert Pipe Reinforced Concrete Class III 18-Inch	8.000 LF	_____.	_____.
0372	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	8.000 LF	_____.	_____.
0374	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch	192.000 LF	_____.	_____.
0376	522.0412 Culvert Pipe Reinforced Concrete Class IV 12-Inch	91.000 LF	_____.	_____.
0378	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	2.000 EACH	_____.	_____.
0380	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	13.000 EACH	_____.	_____.
0382	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	2.000 EACH	_____.	_____.
0384	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	13.000 EACH	_____.	_____.
0386	524.0618 Apron Endwalls for Culvert Pipe Salvaged 18-Inch	17.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0388	524.0624 Apron Endwalls for Culvert Pipe Salvaged 24-Inch	5.000 EACH	_____.	_____.
0390	524.0630 Apron Endwalls for Culvert Pipe Salvaged 30-Inch	4.000 EACH	_____.	_____.
0392	524.0636 Apron Endwalls for Culvert Pipe Salvaged 36-Inch	2.000 EACH	_____.	_____.
0394	601.0409 Concrete Curb & Gutter 30-Inch Type A	310.000 LF	_____.	_____.
0396	601.0553 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	1,293.000 LF	_____.	_____.
0398	603.8000 Concrete Barrier Temporary Precast Delivered	20,663.500 LF	_____.	_____.
0400	603.8125 Concrete Barrier Temporary Precast Installed	34,990.000 LF	_____.	_____.
0402	603.8505 Anchoring Concrete Barrier on Bridge Decks	887.000 LF	_____.	_____.
0404	604.0400 Slope Paving Concrete	95.000 SY	_____.	_____.
0406	604.9010.S Slope Paving Repair Crushed Aggregate	134.000 CY	_____.	_____.
0408	604.9015.S Reseal Crushed Aggregate Slope Paving	6,764.000 SY	_____.	_____.
0410	606.0200 Riprap Medium	206.000 CY	_____.	_____.
0412	606.0300 Riprap Heavy	55.000 CY	_____.	_____.
0414	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	250.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0416	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	636.000 LF	_____.	_____.
0418	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	468.000 LF	_____.	_____.
0420	611.0530 Manhole Covers Type J	5.000 EACH	_____.	_____.
0422	611.0642 Inlet Covers Type MS	25.000 EACH	_____.	_____.
0424	611.0654 Inlet Covers Type V	9.000 EACH	_____.	_____.
0426	611.2005 Manholes 5-FT Diameter	5.000 EACH	_____.	_____.
0428	611.3220 Inlets 2x2-FT	9.000 EACH	_____.	_____.
0430	611.3902 Inlets Median 2 Grate	1.000 EACH	_____.	_____.
0432	611.3904 Inlets Median 4 Grate	6.000 EACH	_____.	_____.
0434	611.8115 Adjusting Inlet Covers	29.000 EACH	_____.	_____.
0436	611.9800.S Pipe Grates	2.000 EACH	_____.	_____.
0438	612.0106 Pipe Underdrain 6-Inch	19,800.000 LF	_____.	_____.
0440	612.0206 Pipe Underdrain Unperforated 6-Inch	3,240.000 LF	_____.	_____.
0442	612.0212 Pipe Underdrain Unperforated 12-Inch	559.000 LF	_____.	_____.
0444	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	95.000 EACH	_____.	_____.
0446	614.0150 Anchor Assemblies for Steel Plate Beam Guard	10.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0448	614.0200 Steel Thrie Beam Structure Approach	24.000 LF	_____.	_____.
0450	614.0220 Steel Thrie Beam Bullnose Terminal	2.000 EACH	_____.	_____.
0452	614.0230 Steel Thrie Beam	100.000 LF	_____.	_____.
0454	614.0397 Guardrail Mow Strip Emulsified Asphalt	6,447.000 SY	_____.	_____.
0456	614.0905 Crash Cushions Temporary	38.000 EACH	_____.	_____.
0458	614.1000 MGS Guardrail Temporary	375.000 LF	_____.	_____.
0460	614.1100 MGS Guardrail Temporary Thrie Beam Transition	80.000 LF	_____.	_____.
0462	614.1200 MGS Guardrail Temporary Terminal EAT	2.000 EACH	_____.	_____.
0464	614.2300 MGS Guardrail 3	10,500.000 LF	_____.	_____.
0466	614.2320 MGS Guardrail 3 QS	112.500 LF	_____.	_____.
0468	614.2500 MGS Thrie Beam Transition	1,760.000 LF	_____.	_____.
0470	614.2610 MGS Guardrail Terminal EAT	44.000 EACH	_____.	_____.
0472	614.2620 MGS Guardrail Terminal Type 2	3.000 EACH	_____.	_____.
0474	616.0100 Fence Woven Wire (height) 001. 4-FT	264.000 LF	_____.	_____.
0476	616.0206 Fence Chain Link 6-FT	200.000 LF	_____.	_____.
0478	616.0329 Gates Chain Link (width) 001. 4-FT	3.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0480	616.0800.S Fence Track Clearance	2,160.000 LF	_____.	_____.
0482	618.0100 Maintenance And Repair of Haul Roads (project) 001. 1090-16-70	1.000 EACH	_____.	_____.
0484	619.1000 Mobilization	1.000 EACH	_____.	_____.
0486	624.0100 Water	920.000 MGAL	_____.	_____.
0488	625.0500 Salvaged Topsoil	167,500.000 SY	_____.	_____.
0490	627.0200 Mulching	84,750.000 SY	_____.	_____.
0492	628.1504 Silt Fence	11,500.000 LF	_____.	_____.
0494	628.1520 Silt Fence Maintenance	18,750.000 LF	_____.	_____.
0496	628.1905 Mobilizations Erosion Control	33.000 EACH	_____.	_____.
0498	628.1910 Mobilizations Emergency Erosion Control	21.000 EACH	_____.	_____.
0500	628.2004 Erosion Mat Class I Type B	167,650.000 SY	_____.	_____.
0502	628.7005 Inlet Protection Type A	25.000 EACH	_____.	_____.
0504	628.7010 Inlet Protection Type B	75.000 EACH	_____.	_____.
0506	628.7504 Temporary Ditch Checks	2,700.000 LF	_____.	_____.
0508	628.7555 Culvert Pipe Checks	145.000 EACH	_____.	_____.
0510	628.7570 Rock Bags	300.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0512	629.0210 Fertilizer Type B	120.000 CWT	_____.	_____.
0514	630.0130 Seeding Mixture No. 30	3,000.000 LB	_____.	_____.
0516	630.0200 Seeding Temporary	2,350.000 LB	_____.	_____.
0518	630.0500 Seed Water	3,000.000 MGAL	_____.	_____.
0520	633.0100 Delineator Posts Steel	116.000 EACH	_____.	_____.
0522	633.0500 Delineator Reflectors	119.000 EACH	_____.	_____.
0524	633.5200 Markers Culvert End	6.000 EACH	_____.	_____.
0526	634.0618 Posts Wood 4x6-Inch X 18-FT	272.000 EACH	_____.	_____.
0528	635.0200 Sign Supports Structural Steel HS	1,000.000 LB	_____.	_____.
0530	636.0100 Sign Supports Concrete Masonry	1.600 CY	_____.	_____.
0532	636.0500 Sign Supports Steel Reinforcement	98.000 LB	_____.	_____.
0534	637.1220 Signs Type I Reflective SH	365.000 SF	_____.	_____.
0536	637.2210 Signs Type II Reflective H	1,370.875 SF	_____.	_____.
0538	637.2215 Signs Type II Reflective H Folding	338.000 SF	_____.	_____.
0540	637.2230 Signs Type II Reflective F	544.750 SF	_____.	_____.
0542	638.2101 Moving Signs Type I	1.000 EACH	_____.	_____.
0544	638.2102 Moving Signs Type II	82.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0546	638.2601 Removing Signs Type I	2.000 EACH	_____.	_____.
0548	638.2602 Removing Signs Type II	69.000 EACH	_____.	_____.
0550	638.3000 Removing Small Sign Supports	179.000 EACH	_____.	_____.
0552	638.3100 Removing Structural Steel Sign Supports	2.000 EACH	_____.	_____.
0554	643.0300 Traffic Control Drums	323,059.000 DAY	_____.	_____.
0556	643.0420 Traffic Control Barricades Type III	16,723.000 DAY	_____.	_____.
0558	643.0500 Traffic Control Flexible Tubular Marker Posts	20.000 EACH	_____.	_____.
0560	643.0600 Traffic Control Flexible Tubular Marker Bases	20.000 EACH	_____.	_____.
0562	643.0705 Traffic Control Warning Lights Type A	32,257.000 DAY	_____.	_____.
0564	643.0715 Traffic Control Warning Lights Type C	72,795.000 DAY	_____.	_____.
0566	643.0800 Traffic Control Arrow Boards	3,308.000 DAY	_____.	_____.
0568	643.0900 Traffic Control Signs	126,844.000 DAY	_____.	_____.
0570	643.0910 Traffic Control Covering Signs Type I	47.000 EACH	_____.	_____.
0572	643.0920 Traffic Control Covering Signs Type II	717.000 EACH	_____.	_____.
0574	643.1000 Traffic Control Signs Fixed Message	1,333.000 SF	_____.	_____.
0576	643.1050 Traffic Control Signs PCMS	742.000 DAY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0578	643.1070 Traffic Control Cones 42-Inch	4,680.000 DAY	_____.	_____.
0580	643.4100.S Traffic Control Interim Lane Closure	125.000 EACH	_____.	_____.
0582	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0584	645.0111 Geotextile Type DF Schedule A	11,076.000 SY	_____.	_____.
0586	645.0120 Geotextile Type HR	483.000 SY	_____.	_____.
0590	646.1020 Marking Line Epoxy 4-Inch	51,389.000 LF	_____.	_____.
0592	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	372,763.000 LF	_____.	_____.
0594	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	1,610.000 LF	_____.	_____.
0596	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	41,792.000 LF	_____.	_____.
0600	646.3020 Marking Line Epoxy 8-Inch	1,211.000 LF	_____.	_____.
0602	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	1,275.000 LF	_____.	_____.
0604	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	22,147.000 LF	_____.	_____.
0606	646.5020 Marking Arrow Epoxy	21.000 EACH	_____.	_____.
0608	646.5120 Marking Word Epoxy	2.000 EACH	_____.	_____.
0610	646.5220 Marking Symbol Epoxy	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0612	646.5520 Marking Outfall Epoxy	800.000 EACH	_____.	_____.
0614	646.6120 Marking Stop Line Epoxy 18-Inch	120.000 LF	_____.	_____.
0616	646.7120 Marking Diagonal Epoxy 12-Inch	165.000 LF	_____.	_____.
0620	646.7220 Marking Chevron Epoxy 24-Inch	1,925.000 LF	_____.	_____.
0622	646.8220 Marking Island Nose Epoxy	2.000 EACH	_____.	_____.
0624	646.9000 Marking Removal Line 4-Inch	303,165.000 LF	_____.	_____.
0626	646.9100 Marking Removal Line 8-Inch	8,226.000 LF	_____.	_____.
0628	646.9200 Marking Removal Line Wide	165.000 LF	_____.	_____.
0630	646.9300 Marking Removal Special Marking	2.000 EACH	_____.	_____.
0632	649.0105 Temporary Marking Line Paint 4-Inch	576,870.000 LF	_____.	_____.
0634	649.0150 Temporary Marking Line Removable Tape 4-Inch	117,234.000 LF	_____.	_____.
0636	649.0205 Temporary Marking Line Paint 8-Inch	32,165.000 LF	_____.	_____.
0638	649.0250 Temporary Marking Line Removable Tape 8-Inch	9,391.000 LF	_____.	_____.
0640	649.0760 Temporary Marking Raised Pavement Marker Type I	65.000 EACH	_____.	_____.
0642	650.4000 Construction Staking Storm Sewer	22.000 EACH	_____.	_____.
0644	650.4500 Construction Staking Subgrade	36,417.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0646	650.5000 Construction Staking Base	36,417.000 LF	_____.	_____.
0648	650.5500 Construction Staking Curb Gutter and Curb & Gutter	1,603.000 LF	_____.	_____.
0650	650.6000 Construction Staking Pipe Culverts	4.000 EACH	_____.	_____.
0652	650.6500 Construction Staking Structure Layout (structure) 001. B-64-63	LS	LUMP SUM	_____.
0654	650.6500 Construction Staking Structure Layout (structure) 002. B-64-64	LS	LUMP SUM	_____.
0656	650.6500 Construction Staking Structure Layout (structure) 003. B-64-105	LS	LUMP SUM	_____.
0658	650.6500 Construction Staking Structure Layout (structure) 004. B-64-106	LS	LUMP SUM	_____.
0660	650.6500 Construction Staking Structure Layout (structure) 005. B-64-107	LS	LUMP SUM	_____.
0662	650.6500 Construction Staking Structure Layout (structure) 006. B-64-108	LS	LUMP SUM	_____.
0664	650.6500 Construction Staking Structure Layout (structure) 007. B-64-109	LS	LUMP SUM	_____.
0666	650.6500 Construction Staking Structure Layout (structure) 008. B-64-126	LS	LUMP SUM	_____.
0668	650.8000 Construction Staking Resurfacing Reference	9,159.000 LF	_____.	_____.
0670	650.9910 Construction Staking Supplemental Control (project) 001. 1090-16-70	LS	LUMP SUM	_____.
0672	650.9920 Construction Staking Slope Stakes	42,418.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0674	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	771.000 LF	_____.	_____.
0676	652.0700.S Install Conduit into Existing Item	3.000 EACH	_____.	_____.
0678	652.0800 Conduit Loop Detector	452.000 LF	_____.	_____.
0680	653.0135 Pull Boxes Steel 24x36-Inch	4.000 EACH	_____.	_____.
0682	654.0105 Concrete Bases Type 5	2.000 EACH	_____.	_____.
0684	655.0210 Cable Traffic Signal 3-14 AWG	1,629.000 LF	_____.	_____.
0686	655.0320 Cable Type UF 2-10 AWG Grounded	779.000 LF	_____.	_____.
0688	655.0610 Electrical Wire Lighting 12 AWG	234.000 LF	_____.	_____.
0690	655.0700 Loop Detector Lead In Cable	930.000 LF	_____.	_____.
0692	655.0800 Loop Detector Wire	1,470.000 LF	_____.	_____.
0694	655.0900 Traffic Signal EVP Detector Cable	1,629.000 LF	_____.	_____.
0696	657.0322 Poles Type 5-Aluminum	2.000 EACH	_____.	_____.
0698	657.0610 Luminaire Arms Single Member 4 1/2- Inch Clamp 6-FT	2.000 EACH	_____.	_____.
0700	659.1125 Luminaires Utility LED C	2.000 EACH	_____.	_____.
0702	690.0150 Sawing Asphalt	8,300.000 LF	_____.	_____.
0704	690.0250 Sawing Concrete	11,700.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0706	715.0415 Incentive Strength Concrete Pavement	500.000 DOL	1.00000	500.00
0708	715.0502 Incentive Strength Concrete Structures	14,684.000 DOL	1.00000	14,684.00
0710	740.0440 Incentive IRI Ride	124,817.000 DOL	1.00000	124,817.00
0712	801.0117 Railroad Flagging Reimbursement	25,000.000 DOL	1.00000	25,000.00
0714	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	4,800.000 HRS	5.00000	24,000.00
0716	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	9,000.000 HRS	5.00000	45,000.00
0718	SPV.0060 Special 005. Locate and Clean Existing Underdrain Outfalls	800.000 EACH	_____.	_____.
0720	SPV.0060 Special 006. Cap Existing Underdrain	30.000 EACH	_____.	_____.
0722	SPV.0060 Special 007. Traffic Control Interim Lane Shift	120.000 EACH	_____.	_____.
0724	SPV.0060 Special 008. Traffic Control Full Freeway Closure	40.000 EACH	_____.	_____.
0726	SPV.0060 Special 009. Traffic Control Close-Open Freeway Service Ramp	100.000 EACH	_____.	_____.
0728	SPV.0060 Special 400. Abandon Existing Hold-Down Device	20.000 EACH	_____.	_____.
0730	SPV.0060 Special 401. Girder Hold-Down Retrofit	20.000 EACH	_____.	_____.
0732	SPV.0090 Special 001. Heavy Duty Silt Fence	1,100.000 LF	_____.	_____.
0734	SPV.0090 Special 002. Double Staked Silt Fence	6,150.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0736	SPV.0105 Special 005. Temporary Pedestrian and Bicyclist Passageway B-64-105	LS	LUMP SUM	_____.
0738	SPV.0105 Special 006. Temporary Pedestrian and Bicyclist Passageway B-64-106	LS	LUMP SUM	_____.
0740	SPV.0105 Special 301. Transport and Install State Furnished EVP IH 43 SB Ramp and STH 67	LS	LUMP SUM	_____.
0742	SPV.0105 Special 302. Transport and Install State Furnished EVP IH 43 NB Ramp and STH 67	LS	LUMP SUM	_____.
0744	SPV.0105 Special 303. Remove Radar Detection System – Partial, IH 43 NB Ramps & STH 67	LS	LUMP SUM	_____.
0746	SPV.0105 Special 304. Remove Radar Detection System – Partial, IH 43 SB Ramps & STH 67	LS	LUMP SUM	_____.
0748	SPV.0105 Special 305. Remove Traffic Signals – Partial, IH 43 SB Ramps & STH 67	LS	LUMP SUM	_____.
0750	SPV.0105 Special 306. Remove Traffic Signals – Partial, IH 43 NB Ramps & STH 67	LS	LUMP SUM	_____.
0752	SPV.0105 Special 400. Removing Lower Lateral Bracing B-64-126	LS	LUMP SUM	_____.
0754	SPV.0105 Special 401. Removing Abandoned Deicing System B-64-127	LS	LUMP SUM	_____.
0756	SPV.0135 Special 001. Field Office Special	22.000 MON	_____.	_____.
0758	SPV.0180 Special 001. Resin Binder High Friction Surface Treatment	29,825.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114007 Project(s): 1090-16-70

Federal ID(s): WISC 2019801

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0760	614.2310 MGS Guardrail 3 HS	50.000 LF	_____.	_____.
0762	646.6464 Cold Weather Marking Epoxy 4-Inch	58,450.000 LF	_____.	_____.
0764	646.6468 Cold Weather Marking Epoxy 8-Inch	7,450.000 LF	_____.	_____.
0766	SPV.0090 Special 03 Marking Contrast Epoxy 4-Inch	613.000 LF	_____.	_____.
0768	SPV.0090 Special 04. Marking Contrast Epoxy 8-Inch	1,003.000 LF	_____.	_____.
		Section: 0001	Total:	_____.
			Total Bid:	_____.

