

# HIGHWAY WORK PROPOSAL

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

Proposal Number:

1 Ø

COUNTY	STATE PROJECT ID	FEDERAL PROJECT ID	PROJECT DESCRIPTION	HIGHWAY
Juneau	5880-02-72	WISC 2015 120	City of Mauston, East State Street Hanover Street - Pine Street	USH 12
Juneau	5880-02-73		City of Mauston, East State Street Hanover Street - Pine Street Local Utilities	USH 12

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

Proposal Guaranty Required, \$ 75,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Due Date: March 10, 2015 Time (Local Time): 9:00 AM	Firm Name, Address, City, State, Zip Code
Contract Completion Time October 30, 2015	<b>SAMPLE</b> <b>NOT FOR BIDDING PURPOSES</b>
Assigned Disadvantaged Business Enterprise Goal <b>11%</b>	This contract is exempt from federal oversight.

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

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

Subscribed and sworn to before me this date \_\_\_\_\_

\_\_\_\_\_  
(Signature, Notary Public, State of Wisconsin)

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

\_\_\_\_\_  
(Date Commission Expires)

Notary Seal

\_\_\_\_\_  
(Bidder Signature)

\_\_\_\_\_  
(Print or Type Bidder Name)

\_\_\_\_\_  
(Bidder Title)

## For Department Use Only

Type of Work Grading, base aggregate, storm sewer, watermain, sanitary sewer, concrete pavement, milling, HMA pavement, concrete curb and gutter, concrete sidewalk, permanent signing, pavement marking, street lighting, and a traffic signal.	
Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH  
PROPOSAL GUARANTY HERE**

**Effective with November 2007 Letting**

**PROPOSAL REQUIREMENTS AND CONDITIONS**

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

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

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

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

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

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

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

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

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

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

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

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

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

## BID PREPARATION

### Preparing the Proposal Schedule of Items

#### A General

- (1) Obtain bidding proposals as specified in **section 102** of the standard specifications prior to 11:45 AM of the last business day preceding the letting. Submit bidding proposals using one of the following methods:
  1. Electronic bid on the internet.
  2. Electronic bid on a printout with accompanying diskette or CD ROM.
  3. Paper bid under a waiver of the electronic submittal requirements.
- (2) Bids submitted on a printout with accompanying diskette or CD ROM or paper bids submitted under a waiver of the electronic submittal requirements govern over bids submitted on the internet.
- (3) The department will provide bidding information through the department's web site at <http://www.dot.wisconsin.gov/business/engrserv/bid-letting-information.htm>. The contractor is responsible for reviewing this web site for general notices as well as information regarding proposals in each letting. The department will also post special notices of all addenda to each proposal through this web site no later than 4:00 P.M. local time on the Thursday before the letting. Check the department's web site after 5:00 P.M. local time on the Thursday before the letting to ensure all addenda have been accounted for before preparing the bid. When bidding using methods 1 and 2 above, check the Bid Express™ on-line bidding exchange at <http://www.bidx.com/> after 5:00 P.M. local time on the Thursday before the letting to ensure that the latest schedule of items Expedite file (\*.ebs or \*.00x) is used to submit the final bid.
- (4) Interested parties can subscribe to the Bid Express™ on-line bidding exchange by following the instructions provided at the [www.bidx.com](http://www.bidx.com) web site or by contacting:

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

- (5) The department will address equipment and process failures, if the bidder can demonstrate that those failures were beyond their control.
- (6) Contractors are responsible for checking on the issuance of addenda and for obtaining the addenda. Notice of issuance of addenda is posted on the department's web site at <http://www.dot.wisconsin.gov/business/engrserv/bid-letting-information.htm> or by calling the department at (608) 266-1631. Addenda can ONLY be obtained from the departments web site listed above or by picking up the addenda at the Bureau of Highway Construction, Room 601, 4802 Sheboygan Avenue, Madison, WI, during regular business hours.

#### B Submitting Electronic Bids

##### B.1 On the Internet

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

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

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

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

**Bidder Name**

**BN00**

**Proposals: 1, 12, 14, & 22**

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

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

### **C Waiver of Electronic Submittal**

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





# PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

## PRINCIPAL

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

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Signature and Title)

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Signature and Title)

## NOTARY FOR PRINCIPAL

\_\_\_\_\_  
(Date)

State of Wisconsin )  
 ) ss.  
\_\_\_\_\_ County )

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

\_\_\_\_\_  
(Signature, Notary Public, State of Wisconsin)

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

\_\_\_\_\_  
(Date Commission Expires)

**Notary Seal**

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

\_\_\_\_\_  
(Signature of Attorney-in-Fact)

## NOTARY FOR SURETY

\_\_\_\_\_  
(Date)

State of Wisconsin )  
 ) ss.  
\_\_\_\_\_ County )

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

\_\_\_\_\_  
(Signature, Notary Public, State of Wisconsin)

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

\_\_\_\_\_  
(Date Commission Expires)

**Notary Seal**

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



# CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

\_\_\_\_\_  
(Signature of Authorized Contractor Representative)

\_\_\_\_\_  
(Date)



## March 2010

## LIST OF SUBCONTRACTORS

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

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

[illegible]

**DECEMBER 2000**

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

Instructions for Certification

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

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

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

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

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

## Special Provisions

### Table of Contents

Article	Description	Page #
1.	General.....	4
2.	Scope of Work. ....	4
3.	Prosecution and Progress. ....	4
4.	Traffic. ....	7
5.	Holiday Work Restrictions. ....	9
6.	Utilities.....	9
7.	Hauling Restrictions.....	13
8.	Municipality Acceptance of Sanitary Sewer and Water Main Construction.....	13
9.	General Requirements for Sanitary Sewer and Water. ....	14
10.	Dust Abatement. ....	14
11.	Erosion Control.....	14
12.	Dewatering.....	14
13.	Public Convenience and Safety. ....	15
14.	Coordination with Businesses and Property Owners.....	16
15.	Removing Concrete Sidewalk.....	16
16.	Abandoning Sewer, Item 204.0291.S. ....	16
17.	Removing Overhead Sign Supports, STA. 287+04 RT, Item 204.9060.S.01; Removing Overhead Sign Supports, STA. 289+75 LT, Item 204.9060.S.02; Removing Overhead Sign Supports, STA. 535+45 RT, Item 204.9060.S.03. ....	17
18.	Removing Street Light Assembly, Item 204.9060.S.04. ....	18
19.	Removing Wood Planter, Item 204.9060.S.05. ....	18
20.	Removing Traffic Signal Equipment, State Street and Division Street Intersection, Item 204.9105.S.01. ....	19
21.	Excavation Common.....	20
22.	QMP Base Aggregate. ....	20
23.	Base Aggregate Dense, 1 ¼ Inch. ....	28
24.	Concrete Driveway HES 7-Inch. ....	28
25.	Fence Safety, Item 616.0700.S. ....	29
26.	Concrete Bases Type 5.....	30
27.	Pedestrian Push Button. ....	30
28.	Storm Sewer General. ....	30
29.	Traffic Control (5880-02-72).....	31
30.	Traffic Signals, General. ....	31
31.	General Requirement for Electrical. ....	32
32.	Seismograph, Item 999.1000.S. ....	32
33.	Crack and Damage Survey, Item 999.1500.S. ....	33
34.	Temporary Crosswalk Access, Item SPV.0045.01.....	34
35.	Utility Line Opening (ULO), Item SPV.0060.01. ....	36
36.	Reconnect Storm Sewer Laterals, Item SPV.0060.02. ....	37
37.	Roof Drain Connection, Item SPV.0060.03. ....	37



38.	Manholes 8x8-FT Special, Item SPV.0060.04. ....	38
39.	Lighting Control Cabinet, Item SPV.0060.05. ....	38
40.	LED Retrofit Lamp Assembly, Item SPV.0060.06. ....	39
41.	Decorative Luminaire and Pole Assembly 15-Ft., Item SPV.0060.07. ....	40
42.	Coring For Sign Posts, Item SPV.0060.08. ....	41
43.	Traffic Signal Controller and Cabinet, Fully Actuated 8-Phase, Item SPV.0060.09. ....	41
44.	Poles Type 10 Special, Item SPV.0060.10; Monotube Arm 25-Foot Special, Item SPV.0060.11. ....	52
45.	Hydrant, Complete, Item SPV.0060.12; Corporation, Curb Stop, and Box, 1.5- Inch, Item SPV.0060.13; Water Valve and Box, 6-Inch Complete, Item SPV.0060.14; Water Valve and Box, 8-Inch Complete, Item SPV.0060.15; Water Valve and Box, 12-Inch Complete, Item SPV.0060.16; Water Tee, 6- Inch, Item SPV.0060.17; Water Tee, 6-Inch x 8-Inch, Item SPV.0060.18; Water Tee, 8-Inch, Item SPV.0060.19; Water Tee, 6-Inch x 12-Inch, Item SPV.0060.20; Water Cross, 8-Inch, Item SPV.0060.21; Ductile Iron 6-Inch, 45-Degree Bend, Item SPV.0060.22; Ductile Iron 6-Inch, 90-Degree Bend, Item SPV.0060.23; Ductile Iron 8-Inch, 22.5-Degree Bend, Item SPV.0060.24 ; Ductile Iron 8-Inch, 45-Degree Bend, Item SPV.0060.25; Ductile Iron 12- Inch, 11.25-Degree Bend, Item SPV.0060.26; Ductile Iron 12-Inch, 22.5- Degree Bend, Item SPV.0060.27; Ductile Iron 12-Inch, 45-Degree Bend, Item SPV.0060.28; Water Reducer, 4-Inch x 6-Inch, Item SPV.0060.29; Water Reducer, 6-Inch x 8-Inch, Item SPV.0060.30; Water Reducer 8-Inch x 12-Inch, Item SPV.0060.31; Connect to Existing Water Main, Item SPV.0060.32; Connect to Existing Water Service, Item SPV.0060.33; Fluorocarbon Gaskets, Item SPV.0060.34; Abandon Existing Water Service, Item SPV.0060.35; Adjust Existing Water Valve Box, Item SPV.0060.36; Type 1 Manhole, Complete, Item SPV.0060.37; Connect to Existing Sanitary Sewer Main, Item SPV.0060.38; Adjust and Waterproof Existing Sanitary Sewer Manhole, Item SPV.0060.39; Abandon Existing Sanitary Sewer Lateral, Item SPV.0060.40; Sanitary Sewer Lateral Verification, Item SPV.0060.41; Water Main Plug, 8- Inch, Item SPV.0060.42. ....	55
46.	Concrete Curb and Gutter 30-Inch Type A Special, Item SPV.0090.01. ....	57
47.	Concrete Curb and Gutter HES 30-Inch Type A, Item SPV.0090.02. ....	58
48.	Storm Sewer, 8-Inch PVC, Item SPV.0090.03. ....	59
49.	Copper Water Service, 1.5-inch, Item SPV.0090.04; Ductile Iron Water Main, 6-Inch, Item SPV.0090.05; Ductile Iron Water Main, 8-Inch, Item SPV.0090.06; Ductile Iron Water Main, 12-Inch, Item SPV.0090.07; Water Main Encasement, Item SPV.0090.08; Sanitary Sewer Lateral, 6-Inch, Item SPV.0090.09; Sanitary Sewer Main, 8-Inch, Item SPV.0090.10; Sanitary Sewer Main, 10-Inch, Item SPV.0090.11; Sanitary Sewer Main, 12-Inch, Item SPV.0090.12; Sanitary Sewer Main, 15-Inch, Item SPV.0090.13. ....	59
50.	Powder Coating Overhead Sign Structure, S-29-0009, Item SPV.0105.01; Powder Coating Overhead Sign Structure, S-29-0010, SPV.0105.02. ....	60
51.	Concrete Pavement Joint Layout, Item SPV.0105.03. ....	61
52.	Traffic Signal Equipment and Hardware, Black Finish, Item SPV.0105.04. ....	62

53.	Remove Existing Water Main and Services, Item SPV.0105.05; Abandon Existing Water Main, Item SPV.0105.06; Temporary Water Service, Item SPV.0105.07; Temporary Bypass Pumping and Sewer Connections, Item SPV.0105.08. ....	63
54.	Colored Concrete Pavement 8-Inch, Item SPV.0165.01. ....	64
55.	Stamped Colored Concrete Sidewalk 6-Inch, Item SPV.0165.02. ....	67
56.	Abandon Vault, Item SPV.0165.03. ....	71
57.	Vault Wall, Item SPV.0165.04. ....	71
58.	Abandoned Vault Wall Removal Masonry, Item SPV.0165.05; Abandoned Vault Wall Removal Reinforced Concrete 0"-10", Item SPV.0165.06; Abandoned Vault Wall Removal Reinforced Concrete 10"+, Item SPV.0165.07. ....	72
59.	Utility Insulation, Item SPV.0165.08. ....	73
60.	Shredded Hardwood Bark Mulch, Item SPV.0180.01. ....	73
61.	Excavation, Segregation, Hauling, and Disposal of Contaminated Soil and Groundwater, Item SPV.195.01. ....	74
62.	Imported Granular Backfill, SPV.0195.02; Special Trench Backfill, SPV.0195.03. ....	80

## **SPECIAL PROVISIONS**

### **1. General.**

Perform the work under this construction contract for Project 5880-02-72, 5880-02-73, City of Mauston, East State Street, Hanover Street to Pine Street, USH 12, Juneau County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2015 Edition, as published by the department, and these special provisions.

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

100-005 (20140630)

### **2. Scope of Work.**

The work under this contract shall consist of grading, base aggregate, storm sewer, watermain, sanitary sewer, concrete pavement, milling, HMA pavement, concrete curb and gutter, concrete sidewalk, permanent signing, pavement marking, street lighting, traffic signal 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.

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

The schedule of operations shall conform to the construction staging as shown in the construction staging plans, unless the engineer approves modifications to the schedule in writing.

**Stage 1 USH 12 (State Street): Division Street to Pine Street**

Close USH 12 (State Street) from Division Street to Pine Street in accordance to the plan details.

**Stage 2 USH 12 (State Street): Hanover Street to Division Street**

Close USH 12 (State Street) from Hanover Street to Division Street in accordance to the plan details.

**Stage 3 Division Street: Maine Street to USH 12 (State Street)**

Close Division Street from Maine Street to USH 12 (State Street) in accordance to the plan details. Mill and Overlay Division Street from Maine Street to USH 12 (State Street). Flagging operations may be required.

Do not switch traffic over to the next construction stage until all signing and traffic control drums for the stage are in place, and conflicting pavement markings and signs are removed as shown in the traffic control section of the plans and as directed by the engineer.

Have a superintendent or designated representative from the prime contractor on the job site during all controlling work operations, including periods limited to only subcontractor work operations, to serve as a primary contact person and to coordinate all work operations.

Hold prosecution and progress meetings once per week. The prime contractor's superintendent or designated representative and subcontractor's representatives for ongoing subcontract work or subcontractor work expected to begin within the next two weeks shall provide a written schedule of the next week(s)' operations. The written schedule shall include begin and end dates of specific prime and subcontractor work operations. Invite city of Mauston representatives to attend the prosecution and progress meetings, including area EMS services. Agenda items at the meeting shall include review of the contractor's schedule and subcontractors' schedule, traffic control staging, and evaluation of progress and pay items. Review plans, schedule and specifications for upcoming work at this meeting.

Maintain access to properties and a minimum of one lane of travel within the project limits, for property owners, businesses and emergency vehicles and personnel. Notify the city of Mauston fire and police departments and area EMS services of any work operation that may limit the accessibility for emergency vehicles.

Maintain access to businesses within the corridor. Some businesses have multiple driveways and side or back street accesses that are within the project limits. Do not close driveways or the side or back street entrances without providing access to their other driveway(s). Coordinate with business owners to stage sidewalk work in front of the main entrance areas to allow feasible continuous pedestrian access to these entrances.

Place select crushed material or base aggregate dense on the same day as excavation. Provide a temporary 3:1 sloped wedge in areas that will have greater than a 6-inch drop for more than three calendar days. At the end of each day, place base aggregate dense to provide a ramp to the entrances.

The city of Mauston will remove the existing trash receptacles and city owned planters from the project area prior to construction. Notify Rob Nelson at (608) 847-4070 two weeks prior to the start of construction to schedule the removal of these items.

Coordinate with the city of Mauston to provide access for garbage collection. Contact Rob Nelson at (608) 847-4070.

The contractor is advised to mobilize construction equipment that is a size suitable for maneuvering in the limited area throughout the project. There are many movement limitations both horizontally and vertically in the project limits (trees, overhead wires, poles, etc). The contractor is responsible for any damage done to objects inside the project limits.

An existing non-utility overhead cable crossing USH 12 (State Street) at Station 291+60 will remain during construction. The contractor is responsible for any damage caused by disturbing the overhead cable.

Minimize the amount of dust created from construction. During construction operations, if aggregate, slurry from saw cutting, or other construction materials are in the travel way, the contractor shall immediately clean up the area.

Protect all building faces from damage, dirt, and concrete. When doing work near the buildings, put a shield (plywood, sheeting, etc.) up against the building to protect it. The cost of this work is included in the bid item that is being worked on at the time. The contractor is responsible for returning the building faces to its original condition if any damage occurs or if any dirt or concrete has adhered to the building face.

Do not commence utility work, disrupt a utility, or commence sidewalk construction in front of an entrance without notifying the property owner or business a minimum of 48 hours in advance. Do not shut off utilities or entrances to businesses during the business open times unless approved by the engineer.

The contractor may work on weeknights for work from 10:00 PM to 7:00 AM, with written approval by the City of Mauston and engineer.

The city of Mauston will install the street name signs and parking signs, not shown in plan, for the project. Contact Rob Nelson at (608) 847-4070 to arrange for installation prior to opening to traffic.

Pine Street and Hanover Street shall not be closed at the same time.

The existing terrace tree at Station 288+85 LT will be removed by the property owner during construction. Contact the property owner; Deborah A. Clark-Cook at (608) 847-7105 two weeks prior to removal of the concrete sidewalk adjacent to the tree. Every effort should be taken to not damage the tree during removal of the concrete sidewalk.

The city of Mauston plans to install a plaque in the colored concrete terrace near 116 E State Street during construction. Contact Nathan Thiel at (608) 847-6676 to arrange for installation prior to pouring of sidewalk and colored concrete terraces in that area. Installation and coordination is incidental to items Concrete Sidewalk 5-Inch and Stamped Colored Concrete Sidewalk 6-Inch.

The building at 221 E. State Street has an underground vault that extends from the basement wall/right-of-way out under the sidewalk that will be removed as part of the project. Coordinate with the property owner prior to excavation of vault.

Utilize caution while excavating in front of the building at 134 E. State Street due the potential of an underground vault.

The building at 241 E. State Street has an underground vault that extends from the basement wall out under the sidewalk from the face of the building. The construction limits for the sidewalk end at the location of vault. Use caution when excavating or operating equipment near this vault.

Multiple properties throughout the project have vaults that have been already abandoned. Abandoned vault walls may be encountered during utility and sidewalk construction.

#### **4. Traffic.**

Accomplish the construction sequence, including the associated traffic control, as detailed in the plans as described below.

##### **Traffic - Stage 1**

- Close USH 12 (State Street) to through vehicle traffic between Division Street and Pine Street. Keep access open for traffic between Hanover Street and Division Street. Post the detour route and interstate alternative detour route in accordance to the plan details.
- Maintain northbound and southbound vehicle traffic across USH 12 (State Street) at Hickory Street. Hickory Street may be closed two times for a maximum of five consecutive calendar days during each closure for storm sewer, water service, sanitary sewer, grading, base aggregate placement, and concrete paving. Pine Street shall be open to cross vehicular traffic when Hickory Street is closed. Notify the city of Mauston police and fire department forty-eight hours prior to any closure of Hickory Street.

- Provide a temporary pedestrian crosswalk with a minimum clear width of 4 feet near Oak Street. Maintain a hard surface consisting of existing pavement, temporary asphalt surface, temporary concrete pavement, or new concrete pavement for vehicle lanes. Compacted salvaged asphaltic pavement bases shall not be used for pedestrian crosswalks. See the articles in these special provisions for Temporary Crosswalk.

### **Traffic - Stage 2**

- Close USH 12 (State Street) to through vehicle traffic from Hanover Street to Division Street, including the USH 12 (State Street) intersection with Division Street. Open access for vehicle traffic on USH 12 (State Street) from east of Division Street to Pine Street. Post the detour route and interstate alternative detour route in accordance to the plan details.
- Provide a temporary pedestrian crosswalk with a minimum clear width of 4 feet near Elm Street. Maintain a hard surface consisting of existing pavement, temporary asphalt surface, temporary concrete pavement, or new concrete pavement for vehicle lanes. Compacted salvaged asphaltic pavement bases shall not be used for pedestrian crosswalks. See the articles in these special provisions for Temporary Crosswalk.

### **Traffic - Stage 3**

- Close Division Street to through vehicle traffic.

Place roadway and sidewalk signing and roadway temporary pavement marking as detailed on the plans and specials and in conformance with the Manual on Uniform Traffic Control Devices (MUTCD), latest edition. Traffic control for the next stage shall be completely in place by the end of the working day of a traffic switch. Cover or remove conflicting signs as necessary to avoid confusion.

All traffic control items and flaggers for any temporary lane closure required for short-term construction or for delivery of materials shall be included in the bid item "Traffic Control", under this contract.

Safety fencing, or other engineer approved method, shall guide pedestrian corridors; drums shall not be used for pedestrian corridors.

Use drums, barricades, flexible tubular markers, and safety fence to direct vehicular and pedestrian traffic in the work zone. Protect and delineate hazards such as open excavations, abrupt drop-offs, and exposed manholes, inlets, and hydrants, with wedged material, drums, barricades, and safety fence as shown in the plans, special provisions or as directed by the engineer.

Do not store equipment, materials, or vehicles on adjacent side streets near the project limits. In addition, vehicles of contractor's employees, subcontractors, subcontractors' employees, vendors, etc. shall not be parked in municipal parking lots.

Notify the city of Mauston police and fire departments 48 hours in advance of any switch over of traffic stages or closure of side streets. Notifications must be given by 4:00 PM on Thursday for any such work to be done on the following Monday.

Maintain pedestrian access to businesses and residents on both sides of USH 12 (State Street) and all side streets within the project limits at all times.

## **5. Holiday Work Restrictions.**

Do not haul materials of any kind along or across any portion of the highway carrying USH 12 (State Street) traffic, and do not utilize flagging operations or any traffic control that might impede the free flow of traffic in the open lanes during the following holiday periods:

- From noon Friday, May 22, 2015 to 6:00 AM Tuesday, May 26, 2015 for Memorial Day;
- From noon Friday, July 3, 2015 to 6:00 AM, Monday, July 6, 2015 for Independence Day;
- From noon Friday, September 4, 2015 to 6:00 AM Tuesday, September 8, 2015 for Labor Day.

## **6. Utilities.**

This contract does not come under the provision of Administrative Rule Trans 220. 107-065 (20080501)

Underground and overhead utility facilities are located within the project limits. Utility adjustments are required for this construction project as noted below. Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per statutes. Use caution to ensure the integrity of underground facilities and maintain code clearances from overhead facilities at all times.

Utility companies will be abandoning some facilities in place after relocating facilities to avoid conflicts with the proposed work. Removal by the contractor of any abandoned facilities necessary to complete the proposed work, including plugging the remaining ends of the facility, is considered incidental to the contract.

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

### **City of Mauston (Sanitary Sewer)**

The city of Mauston has underground sanitary sewer running throughout the project limits. As part of the department's project, the city will be replacing all of their sanitary sewer main, laterals, and manholes within the project limits. Several laterals will be abandoned as part of this project.



The city of Mauston contact for sanitary sewer work is:

Rob Nelson, Director of Public Works  
(608) 847-4070  
[rmelson@Mauston.com](mailto:rmelson@Mauston.com)

**City of Mauston (Water)**

The city of Mauston has underground water facilities running throughout the project limits. As part of the department's project, the city will be replacing all water main, services, hydrants, etc. within the project limits. Several services will be abandoned as part of this project.

The city of Mauston contact for water utility work is:

Rob Nelson, Director of Public Works  
(608) 847-4070  
Email: [rmelson@Mauston.com](mailto:rmelson@Mauston.com)

**Frontier Communications of WI (Communication/Telephone)**

Frontier Communications maintains a buried conduit duct package on the west side of Division Street beginning at Station 535+00 and continuing south. No conflicts are anticipated with these facilities.

Frontier Communications has overhead communication lines along the north side of USH 12 (State Street) on Alliant Energy utility poles from the beginning of the construction limits to an existing utility pole at Station 285+50 LT. Frontier Communications will remove the overhead cable from the Alliant Energy poles prior to the start of construction.

The contact for Frontier Communications is:

Jerry Moore  
(608) 742-9507  
[gerald.r.moore@ftr.com](mailto:gerald.r.moore@ftr.com)

**Alliant Energy (Electric)**

*24 hour emergency contact number: (800) 862-6261*

USH 12 (State Street)

Alliant Energy maintains street lighting connected by overhead electric lines along both sides of USH 12 (State Street). Aerials crossings of overhead electric lines for lighting over USH 12 (State Street) are located near Station 284+20 and Station 296+50. The removal of the street lights shall be staged to maintain lighting on one side of USH 12 (State Street) during construction at all times. Coordinate with Alliant Energy three working days ahead of when each street light assembly is scheduled for removal. Alliant Energy will require one

working day to de-energize their facilities. Coordinate work to minimize the number or removal operations, as much as possible.

Live electric facilities for existing street lights will remain throughout the project limits during construction stages.

#### Division Street

Alliant Energy maintains an overhead electric line crossing Division Street near Station 335+70. No conflicts are anticipated with these facilities.

Alliant Energy will provide electric service for the traffic signals and street lights installed under this project. Coordinate with Mark Schoen of Alliant Energy as required.

Alliant Energy Contact:

Mark Schoen

(608) 847-1315

[markschoen@alliantenergy.com](mailto:markschoen@alliantenergy.com)

#### **Alliant Energy (Gas)**

*24 hour emergency contact number: (800) 862-6263*

Alliant Energy maintains natural gas distribution mains within the project limits. Utility Line Openings (ULO's) are included in the plans where storm sewer crosses or concrete bases are near existing gas main. Perform ULO's promptly to allow time for adjustment of the gas main, if necessary. If adjustments are required, notify Alliant three working days prior to having the worksite available for Alliant Energy to complete adjustments. Alliant Energy will require one working day to complete each adjustment once pavement and/or surface cover is removed by the contractor and the area is available for Alliant to complete the required work.

Live gas main and services will remain throughout the project limits. Contact Diggers Hotline as required to avoid damage to buried facilities.

Contact Alliant Energy for verification of abandoned facilities as the contractor operations expose them during construction.

Alliant Energy has indicated their buried facilities exist approximately 30-inches to 36-inches below the existing grade. No extra payment will be made for working around these facilities. The contractor will be responsible for any damage to these facilities.

#### USH 12 (State Street)

Alliant Energy has buried gas along the south side of USH 12 (State Street) near the existing curb and gutter from the beginning of the construction limits to Station 285+30 RT with various buried service crossings.

Alliant Energy has buried gas along the south side of USH 12 (State Street) near the existing curb and gutter from Station 297+00 RT to the end of the construction limits with various buried service crossings.

#### Division Street

Alliant Energy has buried gas crossing Division Street near Station 532+95 and Station 535+30.

#### Proposed Work

The following work will be completed by Alliant Energy prior to the start of construction:

- Abandon the existing steel gas main from beginning of the construction limits to Station 285+30 RT.
- Install new 6-inch and 2-inch plastic gas main from the beginning of the construction limits to Station 284+80 RT, under the existing concrete sidewalk at a depth of approximately 42-inches.
- Abandon the existing steel gas main that crosses USH 12 (State Street) at Station 283+85 and continues north on Beach Street.
- Install a new 6-inch plastic gas main that crosses USH 12 (State Street) at Station 283+90 and continues north on Beach Street at a depth of approximately 48-inches.
- Replace the existing steel gas main on the west side of Hanover Street with a 6-inch plastic gas main.
- Abandon the existing steel gas main from Station 298+55 RT to Station 300+76.5 RT.
- Install a new 2-inch plastic gas main from Station 297+40 RT to Station 300+07 RT, under the existing concrete sidewalk at a depth ranging from 36-inches to 48-inches.
- Install a new 2-inch plastic gas main from Station 297+40 RT to Station 300+07 RT, under the existing concrete sidewalk at a depth ranging from 36-inches to 48-inches.
- Install a new 2-inch plastic gas main at Station 300+07 RT and continuing south behind the existing concrete sidewalk on Pine Street, at a depth ranging from 36-inches to 48-inches.
- Install a new 2-inch plastic gas main that crosses Pine Street at approximately 60 feet RT of the USH 12 (State Street) centerline.

During construction, Alliant Energy will adjust plastic services gas mains that conflict with concrete base or storm sewer installation. Notify Alliant Energy three working days prior to having worksite available for Alliant Energy to complete the required work. Alliant Energy will require one working day to complete the adjustments.

Alliant Energy Contact:

Mark Schoen

(608) 847-1315

[markschoen@alliantenergy.com](mailto:markschoen@alliantenergy.com)

### **Mediacom LLC (Telecommunications)**

Mediacom has overhead communication lines along the north side of USH 12 (State Street) on Alliant Energy utility poles from the beginning of the construction limits to an existing utility pole at Station 285+50 LT.

Mediacom will remove the overhead cable from the Alliant Energy poles prior to the start of construction.

Mediacom has a buried cable/fiber optic line crossing USH 12 (State Street) at Station 300+20 near Pine Street. Mediacom has indicated their buried facilities exist approximately 36 inches to 54 inches below the existing grade and above the existing storm sewer, watermain and sanitary sewer. No extra payment will be made for working around these facilities. The contractor will be responsible for any damage to these facilities. Contact Mediacom for assistance in locating facilities and any necessary adjustments required while working near their facilities' at Pine Street. Mediacom will require three working days to complete each adjustment once pavement and/or surface cover is removed by the contractor and the area is available for Mediacom to complete the required work.

The contact for Mediacom LLC is:

Tim Orcutt  
(515) 249-5848  
[torcutt@mediacomcc.com](mailto:torcutt@mediacomcc.com)

### **7. Hauling Restrictions.**

At all times, conduct operations in a manner that will cause a minimum of inconvenience to the free flow of traffic on roadways carrying USH 12 (State Street) traffic.

Use only city of Mauston designated truck routes for material haul roads. Haul roads are detailed in standard spec 618. Contact Rob Nelson, City of Mauston, (608) 847-4070, for information on the city of Mauston designated truck routes.

### **8. Municipality Acceptance of Sanitary Sewer and Water Main Construction.**

Both the department and city of Mauston designated personnel will inspect construction of sanitary sewer and water main under this contract. However, construction staking, testing, and acceptance of the sanitary sewer and water main construction will be by the city of Mauston designated personnel.

105-001 (20140630)

## **9. General Requirements for Sanitary Sewer and Water.**

Perform work in accordance to these provisions, the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction and the requirements of the “City of Mauston’s Standard Sewer and Water Specifications for WisDOT Let Projects, July 2014”. If there is a discrepancy or conflict between the referenced specification and the standard specifications regarding contract administration, part 1 of the standard specifications governs.

An emailed electronic copy of the “City of Mauston’s Standard Sewer and Water Specifications for WisDOT Let Projects, July 2014” may be obtained from the city of Mauston’s Project Representative, Raine Gardner, MSA Professional Services at (608) 355-8913 or rgardner@msa-ps.com. A copy of these specifications is also available for viewing during normal business hours at the city of Mauston public works office at 1260 North Road in Mauston, Wisconsin (phone ahead: (608) 847-4070).

## **10. Dust Abatement.**

*Supplement standard spec 104.6.1 with the following:*

Dry brooming of the pavement will not be allowed.

When engaged in roadway cleaning operations, use equipment having vacuum or water spray mechanisms to eliminate the dispersion of particulate matter into the atmosphere. If vacuum equipment is employed, it must have a suitable self-contained.

## **11. Erosion Control.**

*Supplement standard spec 107.20 with the following:*

Provide the Erosion Control Implementation Plan (ECIP) a minimum of 14 days prior to the pre-construction conference. Pursue operations in a timely and diligent manner, continuing all construction operations methodically from the initial removals and topsoil stripping operations through the subsequent grading, paving, and re-topsoiling to minimize the period of exposure to possible erosion.

Topsoil graded areas, as designated by the engineer, immediately after grading has been completed within those areas. Sod or seed, fertilize, and install erosion mat or mulch on all topsoiled areas within five working days after placement of topsoil.

## **12. Dewatering.**

Prepare a dewatering plan as part of the Erosion Control Implementation Plan (ECIP) and provide to the engineer for review and approval prior to starting dewatering operations. The plan shall include a description of the proposed dewatering methods and maps or drawings indicating the location of the dewatering facilities and points of discharge of the water.

Use the Wisconsin Department of Natural Resources Technical Standard on Dewatering (standard number 1061) as found on their website at <http://www.dnr.wi.gov/runoff/stormwater/techstds.htm> for the appropriate best management practice and proper application and sizing of such practice. As part of the Erosion Control Implementation Plan (ECIP) submittal, supply all pertinent information and calculations used to determine the best management practice for dewatering at each location it is required. Prior to construction, obtain approval from the engineer for the proposed method of treatment including supporting calculations.

Any polymers or other materials included in the dewatering plan for sediment coagulation are incidental to the dewatering and shall be on the Wisconsin Department of Natural Resource approved list for these projects.

Dewatering will be incidental to the contract. Work under this item shall include all work, materials, equipment, permitting and incidentals required to dewater the site during construction or to work with the water on-site in a manner that allows the project to be constructed in accordance to the plans and specifications. This provision includes the dewatering of groundwater and surface water runoff, and trench dewatering. The contractor shall be responsible for all work, materials and equipment required to comply with permit conditions to dewater the site.

### **13. Public Convenience and Safety.**

*Revise standard spec 107.8 (4) as follows:*

Notify the following organizations and departments at least 48 hours before road closures, traffic lane switches or detours are put into effect:

Juneau County Sheriff's Dept.	Mauston Police	Mauston Post Office
Wisconsin State Patrol	Mauston Fire and Rescue	Juneau Co. Hwy Dept.
Mauston Area Ambulance Service	Juneau County Dispatch	City of Mauston
Mauston School District	Mile Bluff Medical Center	

Notifications must be given by 4:00 PM on Thursday for any road closures or detours to be completed on the following Monday.

The Juneau County Sheriff's Department 911 dispatches all area police, fire and ambulance services, and will relay any notification given by the contractor.

*Revise standard spec 107.8(6) as follows:*

Check for and comply with local ordinances governing the hours of operation of construction equipment. Do not operate motorized construction equipment between 10:00 PM and 7:00 AM, Monday through Friday, between 7:00 PM and 7:00 AM on Saturdays, unless prior written approval is obtained from the engineer. The contractor may be able to work on Sundays between 7:00 AM to 7:00 PM, if approved by the engineer. Concrete pours at

building entrances and utility lateral connections can start at 6:00 AM if approved by the engineer.

The contractor may be able to work on weeknights from 10:00 PM to 7:00 AM, if approved by the engineer and written approval by the city of Mauston.

#### **14. Coordination with Businesses and Property Owners.**

Arrange and conduct a meeting between the department, local officials, property owners and business people weekly, to discuss the project schedule of operations including vehicular and pedestrian access during construction operations and traffic control stage changes. Provide the schedule for the next two weeks to the engineer for distribution to businesses and for posting on the city website. Hold the first meeting prior to the start of work under this contract.

#### **15. Removing Concrete Sidewalk.**

*Supplement standard spec 204 with the following:*

Removal of the concrete sidewalk where buildings abut the right-of-way, or construction limits, shall include performing a full depth sawcut approximately 1/2 foot from the buildings, or as close as possible to the buildings. Remove the remaining pieces of sidewalk adjacent to the buildings using methods approved by the engineer. Payment of the full depth sawcut will be paid for under the bid item Sawing Concrete. During the saw cutting and sidewalk removal, take extreme care to not damage the buildings. The contractor will be responsible for any damage to the buildings. Salvage rebars that extend into the sidewalk from the buildings, if any, and incorporate into the new sidewalk.

Where existing concrete sidewalk is poured from right-of-way to back of curb, saw the concrete sidewalk at a location to allow removal of the concrete curb and gutter and sidewalk within the terrace while maintaining the existing concrete sidewalk for pedestrian access to the buildings on State Street until the sidewalk must be removed for utility laterals, gas main installation as described in the Utilities article of the special provisions, or new sidewalk construction. Payment for saw cutting will be paid for under the bid item Sawing Concrete.

#### **16. Abandoning Sewer, Item 204.0291.S.**

##### **A Description**

This special provision describes abandoning existing sewer by filling it with cellular concrete according to the pertinent requirements of standard spec 204 and standard spec 501, as shown in the plans, and as hereinafter provided.

##### **B Materials**

Provide cellular concrete meeting the following specifications: 1 part cement, 1 part fly ash, 8 parts sand, or an approved equal, and water. Provide cement meeting the requirements of standard spec 501.2.1 for Type 1 Portland Cement. Provide sand meeting

the requirements of standard spec 501.2.5.3 Provide water meeting the requirements of standard spec 501.2.4.

**C Construction**

Fill the abandoned sewer pipe with cellular concrete as directed by the engineer. In the event that the sewer cannot be completely filled from existing manholes, tap the sewer where necessary and fill from these locations.

**D Measurement**

The department will measure Abandoning Sewer in volume by the cubic yard according to standard spec 109.1.3.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
204.0291.S	Abandoning Sewer	CY

Payment is full compensation for furnishing all materials and excavating and backfilling where necessary.

204-050 (20080902)

**17. Removing Overhead Sign Supports, STA. 287+04 RT, Item 204.9060.S.01; Removing Overhead Sign Supports, STA. 289+75 LT, Item 204.9060.S.02; Removing Overhead Sign Supports, STA. 535+45 RT, Item 204.9060.S.03.**

**A Description**

This special provision describes removing Overhead Sign Supports in accordance to the pertinent provisions of standard spec 204 and as hereinafter provided.

**B (Vacant)**

**C (Vacant)**

**D Measurement**

The department will measure Removing Overhead Sign Supports by each removed unit, acceptably completed.

**E Payment**

*Supplement standard spec 204.5 to include the following:*

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.01	Removing Overhead Sign Supports, STA. 287+04 RT	Each
204.9060.S.02	Removing Overhead Sign Supports, STA. 289+75 LT	Each
204.9060.S.03	Removing Overhead Sign Supports, STA. 535+45 RT	Each



**18. Removing Street Light Assembly, Item 204.9060.S.04.**

**A Description**

This special provision describes removing street light assembly in accordance to the pertinent provisions of standard spec 204 and as hereinafter provided.

**B (Vacant)**

**C Construction**

Arrange for the de-energizing of street light with Mark Schoen at the Alliant Energy at (608) 847-1315 at least three working days prior to removal, and after receiving approval from the engineer.

Complete the removal work as soon as possible following shut down of this equipment.

Remove poles from their concrete base and disassemble out of traffic.

**D Measurement**

The department will measure Removing Street Light Assembly by each removed unit, acceptably completed.

**E Payment**

*Supplement standard spec 204.5 to include the following:*

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.04	Removing Street Light Assembly	Each

**19. Removing Wood Planter, Item 204.9060.S.05.**

**A Description**

This special provision describes Removing Wood Planter in accordance to the pertinent provisions of standard spec 204 and as hereinafter provided.

**B (Vacant)**

**C (Vacant)**

**D Measurement**

The department will measure Removing Wood Planter by each removed unit, acceptably completed.

**E Payment**

*Supplement standard spec 204.5 to include the following:*

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.05	Removing Wood Planter	Each

## **20. Removing Traffic Signal Equipment, State Street and Division Street Intersection, Item 204.9105.S.01.**

### **A Description**

This special provision describes removing existing traffic signal equipment at the intersection of State Street and Division Street in accordance to the pertinent provisions of standard spec 204 and as hereinafter provided.

### **B (Vacant)**

### **C Construction**

Arrange for the de-energizing of the traffic signals at the State Street and Division Street with the local electrical utility after establishing the detour, traffic control, and receiving approval from the engineer that the existing traffic signals can be removed.

Notify Rob Nelson at the city of Mauston at (608) 847-4070 at least three working days prior to the removal of the traffic signals to coordinate delivery of existing equipment. Complete the removal work as soon as possible following shut down of this equipment.

Remove all standards, poles, and arms from their concrete footings and disassemble out of traffic. Remove the transformer bases from each pole. Remove the signals heads, mast arms, luminaries, wiring/cabling and traffic signal mounting devices from each signal standard, pole or arm. Ensure that access handhole doors and hardware remain intact. Dispose of the underground signal cable, street lighting cable, detector lead-in cable and all wires, including loop wire. Complete removals of items to be salvaged for the city in a manner to avoid damage. The contractor will be responsible for damaged items.

Remove the signal cabinet from its footing.

Deliver the signal cabinet, signal heads, signal standards, mast arms, luminaire arms, transformer bases, poles, pull box covers, and traffic signal heads to the city of Mauston at 1260 North Road, Mauston, Wisconsin. Contact Rob Nelson at the city of Mauston at (608) 847-4070 at least five working days prior to delivery.

### **D Measurement**

The department will measure Removing Traffic Signal Equipment, (Location) as a single complete lump sum unit of work for the intersection, acceptably completed.

### **E Payment**

*Supplement standard spec 204.5 to include the following:*

ITEM NUMBER	DESCRIPTION	UNIT
204.9105.S.01	Removing Traffic Signal Equipment, State Street and Division Street Intersection	LS
204-050		

## **21. Excavation Common.**

Mediacom LLC has indicated that their facilities are approximately 24-inches below the existing grade near Pine Street. Their facilities will be close proximity to the grading limits of the excavation for the base aggregate. No extra payment will be made for working around these facilities. No conflicts are anticipated but take care to avoid damaging facilities. The contractor will be responsible for any damage.

The existing and new storms sewer at Oak Street and Hickory Street will be close proximity to the grading limits of the excavation for the base aggregate. No extra payment will be made for working around these facilities. The contractor will be responsible for any damage.

## **22. QMP Base Aggregate.**

### **A Description**

#### **A.1 General**

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

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

## A.2 Contractor Testing for Small Quantities

- (1) The department defines a small quantity, for each individual Base Aggregate bid item, as a plan quantity of 9000 tons or less of material as shown in the schedule of items under that bid item.
- (2) The requirements under this special provision apply equally to a small quantity for an individual bid item except as follows:
  1. The contractor need not submit a full quality control plan but shall provide an organizational chart to the engineer including names, telephone numbers, and current certifications of all persons involved in the quality control program for material under affected bid items.
  2. Divide the aggregate into uniformly sized sublots for testing as follows:

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

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

## B Materials

### B.1 Quality Control Plan

- (1) Submit a comprehensive written quality control plan to the engineer at or before the pre-construction meeting. Do not place base before the engineer reviews and comments on the plan. Construct the project as that plan provides.
- (2) Do not change the quality control plan without the engineer's review. Update the plan with changes as they become effective. Provide a current copy of the plan to the engineer and post in each of the contractor's laboratories as changes are adopted. Ensure that the plan provides the following elements:

1. An organizational chart with names, telephone numbers, current certifications and/or titles, and roles and responsibilities of QC personnel.
2. The process used to disseminate QC information and corrective action efforts to the appropriate persons. Include a list of recipients, the communication means that will be used, and action time frames.
3. A list of source and processing locations, section and quarter descriptions, for all aggregate materials requiring QC testing.
4. Test results for wear, sodium sulfate soundness, freeze/thaw soundness, and plasticity index of all aggregates requiring QC testing. Obtain this information from the region materials unit or from the engineer.
5. Descriptions of stockpiling and hauling methods.
6. Locations of the QC laboratory, retained sample storage, and where control charts and other documentation is posted.
7. An outline for resolving a process control problem. Include responsible personnel, required documentation, and appropriate communication steps.

## B.2 Personnel

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

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

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

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

## B.3 Laboratory

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

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

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

## **B.4 Quality Control Documentation**

### **B.4.1 General**

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

### **B.4.2 Records**

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

### **B.4.3 Control Charts**

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

## **B.5 Contractor Testing**

- (1) Test gradation, fracture, liquid limit and plasticity index during placement for each base aggregate size, source or classification, and type.
- (2) Test gradation once per 3000 tons of material placed. Determine random sample locations and provide those sample locations to the engineer. Obtain samples after the material has been bladed, mixed, and shaped but before compacting; except collect 3-inch samples from the stockpile at load-out. Do not sample from material used to maintain local traffic or from areas of temporary base that will not have an overlying pavement. On days when placing only material used to maintain local traffic or only temporary base that will not have an overlying pavement, no placement testing is required.

- (3) Split each contractor QC sample and identify it according to CMM 8.30. Retain the split for 7 calendar days in a dry, protected location. If requested for department comparison testing, deliver the split to the engineer within one business day.
- (4) The engineer may require additional sampling and testing to evaluate suspect material or the technician's sampling and testing procedures.
- (5) Test fracture for each gradation test until the fracture running average is above the lower warning limit. Subsequently, the contractor may reduce the frequency to one test per 10 gradation tests if the fracture running average remains above the warning limit.
- (6) Test the liquid limit and plasticity index for the first gradation test. Subsequently, test the liquid limit and plasticity index a minimum of once per 10 gradation tests.

## **B.6 Test Methods**

### **B.6.1 Gradation**

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

### **B.6.2 Fracture**

- (1) Test fracture conforming to CMM 8.60. The engineer will waive fractured particle testing on quarried stone.

- (2) Maintain a separate fracture control chart for each base aggregate size, source or classification, and type. Set the lower control limit at the contract specification limit, either specified in another special provision or in table 301-2 of standard spec 301.2.4.5. Set the lower warning limit 2 percent above the lower control limit. There are no upper limits.

### **B.6.3 Liquid Limit and Plasticity**

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

## **B.7 Corrective Action**

### **B.7.1 General**

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

### **B.7.2 Placement Corrective Action**

- (1) Do not blend additional material on the roadbed to correct gradation problems.
- (2) Notify the engineer whenever the running average exceeds a warning limit. When 2 consecutive running averages exceed a warning limit, the engineer and contractor will discuss appropriate corrective action. Perform the engineer's recommended corrective action and increase the testing frequency as follows:
  1. For gradation, increase the QC testing frequency to at least one randomly sampled test per 1000 tons placed.
  2. For fracture, increase the QC testing frequency to at least one test per gradation test.
- (3) If corrective action improves the property in question such that the running average after 4 additional tests is within the warning limits, the contractor may return to the testing frequency specified in B.5.3. If corrective action does not improve the property in question such that the running average after 4 additional individual tests is still in the warning band, repeat the steps outlined above starting with engineer notification.
- (4) If the running average exceeds a control limit, material starting from the first running average exceeding the control limit and ending at the first subsequent running average inside the control limit is nonconforming and subject to pay reduction.
- (5) For individual test results significantly outside the control limits, notify the engineer, stop placing base, and suspend other activities that may affect the area in question. The engineer and contractor will jointly review data, data reduction, and data analysis; evaluate sampling and testing procedures; and perform additional testing as required to determine the extent of potentially unacceptable material. The engineer may direct the



contractor to remove and replace that material. Individual test results are significantly outside the control limits if meeting one or more of the following criteria:

1. A gradation control limit for the No. 200 sieve is exceeded by more than 3.0 percent.
2. A gradation control limit for any sieve, except the No. 200, is exceeded by more than 5.0 percent.
3. The fracture control limit is exceeded by more than 10.0 percent.

## **B.8 Department Testing**

### **B.8.1 General**

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

### **B.8.2 Verification Testing**

#### **B.8.2.1 General**

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

### **B.8.3 Independent Assurance**

- (1) Independence assurance is unbiased testing the department performs to evaluate the department's QV and the contractor's QC sampling and testing including personnel qualifications, procedures, and equipment. The department will perform an IA review according to the department's independent assurance program. That review may include one or more of the following:
  1. Split sample testing.
  2. Proficiency sample testing.
  3. Witnessing sampling and testing.
  4. Test equipment calibration checks.
  5. Reviewing required worksheets and control charts.
  6. Requesting that testing personnel perform additional sampling and testing.
- (2) If the department identifies a deficiency, and after further investigation confirms it, correct that deficiency. If the contractor does not correct or fails to cooperate in resolving identified deficiencies, the engineer may suspend placement until action is taken. Resolve disputes as specified in B.9.

### **B.9 Dispute Resolution**

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

**C (Vacant)**

**D (Vacant)**

## **E Payment**

- (1) Costs for all sampling, testing, and documentation required under this special provision are incidental to this work. If the contractor fails to perform the work required under this special provision, the department may reduce the contractor's pay. The department will administer pay reduction under the non-performance of QMP administrative item.
  - (2) For material represented by a running average exceeding a control limit, the department will reduce pay by 10 percent of the contract price for the affected Base Aggregate bid items listed in standard spec A. The department will administer pay reduction under the Nonconforming QMP Base Aggregate Gradation or Nonconforming QMP Base Aggregate Fracture Administrative items. The department will determine the quantity of nonconforming material as specified in B.7.2.
- 301-010 (20100709)

## **23. Base Aggregate Dense, 1 1/4 Inch.**

*Revise standard spec of 305.2.2.1 as follows:*

Use 1 1/4 base aggregate that conforms to the following gradation requirements:

<b>Sieve</b>	<b>Percentage Passing By Weight</b>
1 1/4 inch	95 - 100
1 inch	---
3/4 inch	70 - 90
3/8 inch	45 - 75
No. 4	30 - 60
No. 10	20 - 40
No. 40	7 - 25
No. 200	2 - 12 <sup>[1], [3]</sup>

<sup>[1]</sup> Limited to a maximum of eight percent for base placed between old and new pavement.

<sup>[3]</sup> 3 - 10 percent passing when base is <sup>3</sup> 50% crushed gravel

## **24. Concrete Driveway HES 7-Inch.**

*Supplement standard spec 41.3.1 as follows:*

Install the sidewalk and driveway apron portions of the concrete driveway at the same time.

## 25. Fence Safety, Item 616.0700.S.

### A Description

This special provision describes furnishing and installing a plastic fence at locations shown on the plans and as hereinafter provided.

### B Materials

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

Furnish fence fabric meeting 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 mesh
Service Temperature:	-60° F to 200° (ASTM D648)
Tensile Yield:	Avg. 2000 lb per 4 ft. width (ASTM D638)
Ultimate Tensile Strength:	Avg. 3000 lb per 4 ft. width (ASTM D638)
Elongation at Break (%):	Greater than 100% (ASTM D638)
Chemical Resistance:	Inert to most chemicals and acids

### C Construction

Drive posts into the ground 12 to 18 inches. In areas of paved surfaces, install a post stabilization system to avoid pavement penetration, as appropriate. Space posts at a maximum of 7 feet.

Use a minimum of three wire ties to secure the fence at each post. Weave tension wire through the top row of strands to provide a top stringer that prevents sagging.

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

### D Measurement

The department will measure Fence Safety by the linear foot along the base of the fence, center-to-center of posts, 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
616.0700.S	Fence Safety	LF

Payment is full compensation for furnishing and installing fence and posts; maintaining the fence and posts in satisfactory condition; and for removing and disposing of fence and posts at project completion.

616-030 (20070510)

## **26. Concrete Bases Type 5.**

*Supplement standard spec 654.3 as follows:*

Modify conduit and anchor bolt placement in base to accommodate the Decorative Luminaire and Pole Assembly 15-Ft, according to the manufacturer specifications.

## **27. Pedestrian Push Button.**

*Replace standard spec 658.2.5 with the following:*

Furnish freeze-proof ADA compliant pedestrian push buttons made by an approved manufacturer. Band a standard R10-3e series sign directly above each push button. Include a directional arrow or arrows on the sign as appropriate for each location.

## **28. Storm Sewer General.**

All existing inlet, manhole, and catch basin covers that are not being adjusted and reused on the project shall be delivered to the city's Public Works Building at 1260 North Road, Mauston. Unload the frames and grates at a location directed by City of Mauston personnel. Prior to delivery, contact Rob Nelson at (608) 847-4070 to schedule delivery and to allow city personnel to inspect the castings and determine which are suitable to be delivered. Remove and dispose of any frames or grates the city does not want and all other material from the right-of-way.

Mortar used for storm sewer pipe connections and for adjusting storm manholes/structures shall be a high quality, preblended, air entrained mixture.

Construct catch basins, manholes, and inlets in accordance to standard spec 611 except as hereinafter modified:

Construct catch basins, manholes and inlets using only precast or cast in place concrete masonry options. Do not use the brick masonry or concrete brick or block masonry options. If using precast for item "Manholes 8 x 8 Special", verify all associated existing facilities and elevations prior to ordering structure. Storm sewer structures on the north side of Hickory Street will be cast in place due to shallow depth.

All concrete structures without sumps shall include concrete flowlines, benches, and pipe connections. Flowlines shall be smooth and continuous between all connecting pipes. Benches shall rise to the springline of each connecting pipe. Pipe connections shall be hand formed and troweled smooth on the inside and outside of the structure.

Steps are required in all manholes and vaults where the depth exceeds 4-feet. Steps shall be embedded during casting or drilled and secured after casting. Locate steps in line with the access hatch/cover, and spaced 16-inches on center. Steps shall be professionally manufactured, plastic coated steel with non-slip tread and reflectorized end lugs.

## **29. Traffic Control (5880-02-72).**

Designate a local individual available at all times including nights, weekends and holidays to be responsible for the maintenance of the local traffic access, emergency traffic, and traffic control repair. Provide the name and telephone number of this person to the engineer and to all parties that live or operate businesses within the project limits.

Do not deliver or store materials and equipment within open travel lanes and open side roads. Flaggers are required for temporary lane closures and/or halting of traffic within open roadways. Temporary lane closures and/or halting of traffic is not permitted between the weekday hours of 7:00AM to 9:00 AM and 3:00 PM to 6:00 PM or weekend days. All traffic control items and flaggers for any temporary lane closure for delivery of materials are included in the bid item "Traffic Control", under this contract.

Place roadway and sidewalk signing and roadway temporary pavement marking as detailed on the plans and specials and in conformance with the Manual on Uniform Traffic Control Devices (MUTCD), latest edition. Cover or remove conflicting signs and signals as necessary to avoid confusion. Provide sign sizes that do not block or interfere with pedestrian, vehicle, or bicycle traffic, or utilize open public parking spaces. Pedestrian access around traffic control signs shall meet ADA guidelines.

Place and operate Traffic Control Portable Changeable Message Signs (PCMS) on USH 12 (State Street) east and west of the project limits two weeks prior to the start of construction. The engineer shall approve the locations. The message shall read:

Panel 1:	HWY 12	Panel 2:	CLOSED
	ROAD		(date)
	WORK		

## **30. Traffic Signals, General.**

Perform all traffic signal work in accordance to the plans and execute as specified in the standard specifications, standard specs 651 through 670, and these special provisions.

All State Street and Division Street poles, arms, transformer bases, pedestal bases, traffic signal standards, traffic signal face housings, pedestrian signal face housings, pedestrian push button housings, and signal mounting hardware, including banding straps shall have an exterior weather-resistant, material appropriate black finish (RAL 9017). The new cabinet shall be silver gray per WISDOT Standard Detail Drawing Signal or Lighting Control Cabinet.

Work items shall be considered incidental to construction if not specifically listed on the unit price schedule, including, but not limited to removal of existing conduit and pull boxes that are not being salvaged or reused.

All underground conduit and concrete base forms shall be inspected by the engineer before any trench is backfilled or concrete is poured. Any work completed without such inspection is subject to rejection as unacceptable work and shall be immediately removed and replaced or otherwise satisfactorily corrected by and at the expense of the contractor. It is the contractor's responsibility to arrange for inspection. There will not be any additional compensation to the contractor for delays and inconveniences associated with arranging and waiting for inspections.

Notify Andy Winga, Southwest Region Traffic unit, at (608) 785-9061 a minimum of ten business days in advance of the scheduled activation of the new or modified signals to provide signal timings.

Note that failure to comply with the standards and specifications may result in the cost of the corrections to be made at the contractor's expense.

### **31. General Requirement for Electrical.**

The approved products list is located at:

<http://www.dot.wisconsin.gov/business/engrserv/approvedprod.htm>

### **32. Seismograph, Item 999.1000.S.**

#### **A Description**

This special provision describes furnishing a seismograph and employing trained operators to continuously monitor building vibration.

#### **B Material**

Use seismographs that are in accordance to ILHR 7.63, and are continuous strip recorders supplied with all the accessories necessary for making seismographic observations.

#### **C Construction**

Monitoring procedures shall be in accordance to ILHR 7.64 and the following: Take seismograph readings prior to construction activities to establish an ambient index.

Place the seismograph to continuously monitor all construction activities or as directed by the engineer. If construction activities generate ground vibration in excess of the Peak Particle Velocity Limits as shown in ILHR 7.64, stop the construction operation in progress and consider and implement alternate construction methods.

#### **D Measurement**

The department will measure Seismograph 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
999.1000.S.	Seismograph	LS

Payment is full compensation for furnishing and operating a seismograph, an operator, and accessories.

999-005 (20030820)

### **33. Crack and Damage Survey, Item 999.1500.S.**

#### **A Description**

This special provision describes conducting a crack and damage survey of the residences and business located adjacent to the project limits.

This Crack and Damage Survey shall consist of two parts. The first part, performed prior to construction activities, shall include a visual inspection, photographs, and a written report describing the existing defects in the building(s) being inspected. The second part, performed after the construction activities, shall also include a visual inspection, photographs, and written report describing any change in the building's condition.

#### **B (Vacant)**

#### **C Construction**

Prior to any construction activities, thoroughly inspect the building structures for existing defects, including interior and exterior walls. Submit a written report of the inspector's name, date of inspection, descriptions and locations of defects, and photographs. The intent of the written report and photographs is to procure a record of the general physical condition of the building's interior and exterior walls and foundation. The report shall be typed on bond paper and be in text form.

The photographs shall be taken by a professional photographer capable of producing sharp, grain free, high-contrast colored pictures with good shadow details. The photographs shall be 3½ inch by 5 inch color prints, glossy, and mounted in protective storage pages with clear slip-in pockets and clear background. Each sheet shall hold four prints. The back of each photograph shall contain the following information:

ID \_\_\_\_\_  
Building Location \_\_\_\_\_  
View looking \_\_\_\_\_  
Date \_\_\_\_\_  
Photographer \_\_\_\_\_

Prior to the start of any construction activities pertinent to this survey, submit a copy of the written report and photographs to the engineer.

After the construction activities are complete, conduct another survey in the same manner, take photographs, and submit another written report to the engineer.

In lieu of photographs, a professional videographer may be hired to use a video camera capable of producing a video with the clarity required to perform this work.



**D Measurement**

The department will measure Crack and Damage Survey as 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
999.1500.S	Crack and Damage Survey	LS

Payment is full compensation for providing the before and after written reports, and for photographs or video.

999-010 (20130615)

**34. Temporary Crosswalk Access, Item SPV.0045.01.****A Description**

This special provision describes maintaining accessible crosswalks crossing the construction zone.

**B Materials**

Furnish a material consisting of asphaltic surface temporary in accordance to standard spec 465.2, any grade of concrete in accordance to standard spec 602.2, skid resistant steel plating, or alternative material as approved by the engineer. Gravel or base course material is not acceptable.

Furnish safety fence in accordance to the article "Fence Safety."

Furnish 4-inch diameter polyvinyl chloride drainage pipe conforming to AASHTO M 278.

Furnish a protective layer for use in protecting the existing curb and gutter and existing pavement from asphaltic surface temporary in order to allow easy removal of asphaltic surface. Obtain approval from the engineer for the protective layer material.

**C Construction**

Maintain accessible crosswalks on existing pavement, new pavement, or temporary surface material.

**C.1 Crosswalk**

Install, maintain, relocate (if necessary to accommodate work or operations), and remove temporary surface material at Temporary Crosswalk Access locations as shown on the plans and as directed by the engineer. Level and compact the surface prior to placing temporary surface material. The temporary crosswalk shall have a minimum clear width of 4 feet; be located outside the immediate work area, as approved by the engineer; and meet the requirements of the current Americans with Disabilities Act Accessibility Guidelines (ADAAG). Install safety fence along both sides of the temporary crosswalk. Provide a gap in the safety fence as necessary to provide access for construction vehicles across the temporary crosswalk. The maximum width of the gap shall be 18 feet. Reconstruct

Temporary Crosswalk Access when disturbed by construction operations or utility trenches.

## **C.2 Temporary Curb Ramp**

Place 4-inch PVC drainage pipe in the flow line of the curb and gutter to maintain storm water drainage.

Place a protective layer between the existing curb and gutter or existing pavement and the asphaltic surface or concrete for temporary curb ramp.

For the portion of the temporary curb ramp in the terrace area, form the foundation by excavating at least 3 inches. Tamp or compact the foundation to ensure stability.

Place asphaltic surface temporary in accordance to standard spec 465.3.1 or place concrete in accordance to standard spec 602.3.2.3, and as shown in the plan.

Maintain temporary curb ramps until permanent curb ramps and crosswalks are in place and open to pedestrian traffic as directed by the engineer.

Remove temporary curb ramps once permanent curb ramps and crosswalks are open and restore the site.

## **D Measurement**

The department will measure Temporary Crosswalk Access by the day, acceptably in service. The measured quantity will equal the number of calendar days a crosswalk through the work area is open to pedestrian traffic. A crosswalk is defined as an accessible crossing of a single leg of an intersection with existing, temporary, or finished curb ramps meeting ADA requirements. A crossing of a street with an island within the route will be considered a single crosswalk. Each day that the crosswalk is out of service for more than 2 hours will result in one day being deducted from the quantity measured for payment.

## **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0045.01	Temporary Crosswalk Access	Day

Payment is full compensation for furnishing, loading, and hauling materials; for preparing the foundation; for furnishing, placing, maintaining, and removing temporary surface material; for reconstructing or relaying the temporary surface material; for furnishing and installing, and maintaining safety fence.

### **35. Utility Line Opening (ULO), Item SPV.0060.01.**

#### **A Description**

This special provision describes performing the necessary excavation to uncover utilities for the purpose of determining elevation and potential conflicts with proposed storm sewer or other work, as shown on the plans or as directed by the engineer.

#### **B (Vacant)**

#### **C Construction**

Perform the excavation in such a manner that the utility in question is not damaged and the safety of the workers or area is not compromised.

Perform the utility line openings as soon as possible and at least 10 days in advance of proposed utility construction to allow any conflicts to be resolved with minimal disruption. Prior to ordering structures, perform ULO's. Where utilities are within 6 feet of each other at a potential conflict location, only one utility line opening is called for. In these cases, a single utility line opening will be considered full payment to locate multiple utilities. Utility line openings include a trench up to 10 feet long as measured at the trench bottom, and of any depth required to locate the intended utility.

Obtain prior approval for all utility line openings from the engineer and coordinate all ULOs with the engineer. Notify the utility engineers on their agents of this work a minimum of three days prior to the work so they may be present when the work is completed. Verify the need for performing ULO's as shown on the plans, since some of the utilities may have been or will be relocated prior to the start of construction.

#### **D Measurement**

The department will measure Utility Line Opening by each unit, acceptably completed.

#### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Utility Line Opening (ULO)	Each

Payment is full compensation for the excavation required to expose the utility line; backfilling with existing material removed from the excavation; compacting the backfill material; restoring the site; cleanup.

Existing pavement, concrete curb, gutter, and sidewalk removals necessary to facilitate utility line openings shall not be considered part of or paid for under Utility Line Openings, but are considered separate and measured and paid for separately as removal items. Replacement pavement, concrete curb, gutter, and sidewalk items shall also be considered separate from Utility Line Openings and will be measured and paid for separately.

### **36. Reconnect Storm Sewer Laterals, Item SPV.0060.02.**

#### **A Description**

This special provision describes reconnecting existing storm sewer laterals to new structures or existing pipe.

#### **B (Vacant)**

#### **C Construction**

Identify all private laterals in existing structures and verify elevations prior to that structure's removal and ordering of any precast structures. Remove existing lateral pipes to the right-of-way and replace in-kind. Verify that positive drainage is achieved when connecting to the new inlet or curb outlet structure. The contractor will be allowed to salvage any structurally sound pipe that was removed with prior approval by the engineer. Connect the existing pipes to the new pipes with the appropriate coupling, concrete collar or by means approved by the engineer. Concrete masonry for concrete collar shall be in accordance to standard spec 501 of the standard specifications. Any additional pipe or materials required to reconnect the storm sewer laterals shall be considered incidental to this bid item.

#### **D Measurement**

The department will measure Reconnect Storm Sewer Lateral by each connected lateral, acceptably completed.

#### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.02	Reconnect Storm Sewer Laterals	Each

Payment is full compensation for performing all work; removal of existing pipes, furnishing and installing all materials, couplings, concrete collars, and pipe.

### **37. Roof Drain Connection, Item SPV.0060.03.**

#### **A Description**

This special provision describes connecting existing roof drains to new structures or new pipe as detailed in the plan.

#### **B Materials**

Concrete masonry for concrete collar shall be in accordance to standard spec 501.

#### **C Construction**

Verify that positive drainage is achieved when connecting to the new structure or new pipe. Connect the roof drain connection with the appropriate coupling, concrete collar or by means approved by the engineer. Any additional removals, pipe, or materials required to connect the roof drain connection shall be considered incidental to this bid item.

**D Measurement**

The department will measure Roof Drain Connection by each unit connected 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.0060.03	Roof Drain Connection	Each

Payment is full compensation for performing all work; furnishing and installing all materials, any removals, couplings, concrete collars, elbows, caps and pipe.

**38. Manholes 8x8-FT Special, Item SPV.0060.04.**

The work under this item shall be in accordance to standard spec 611 and as detailed in the plans. Finish the surface of the manhole lid in accordance to standard spec 415.

Construct Manholes 8x8-FT Special in the same fashion as a Manhole 6x6-FT with an interior width of 8 feet.

**39. Lighting Control Cabinet, Item SPV.0060.05.****A Description**

This special provision describes furnishing and installing the standard L30, 120/240 volt lighting control cabinet with two additional 20A/2P breakers that feed two additional 2-pole lighting contractors. Work under this item shall be in accordance with standard spec 654, this special provision, and the plans.

**B Materials**

Furnish Lighting Control Cabinet from the department qualified product list. Furnish concrete cabinet base in accordance with the plans and additional devices as stated above.

**C Construction**

Under this SPV, furnish and install the cabinet and all necessary wiring, miscellaneous accessories, added devices, and hardware to complete the installation of the cabinet.

Follow manufacturer's instructions regarding installation.

All exposed threaded equipment mounting hardware shall be stainless steel.

All threaded stainless steel hardware and dissimilar metal threaded hardware shall be coated with an approved zinc-based anti-seize compound.

**D Measurement**

The department will measure Lighting Control Cabinet as each individual cabinet acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.05	Lighting Control Cabinet	Each

Payment is full compensation for furnishing and installing all materials, including cabinet, wiring, conduits, accessories, hardware and fittings necessary to install the cabinet.

**40. LED Retrofit Lamp Assembly, Item SPV.0060.06.****A Description**

Replace the existing 150 HPS lamp source in the eight decorative light poles as shown on the drawings. This work shall include removing the existing HPS ballast and lamp and rewiring the existing lamp socket to the existing 240 volt source currently used in the pole. Notify Rob Nelson at the city of Mauston at (608) 847-4070 at least three working days prior to the removal of the existing ballasts and lamps to coordinate delivery of existing equipment. For ordering LED retrofit lamp; contact Dustin Blotz with Enterprise Lighting at (608) 354-1540.

**B Materials**

LED retrofit kit: Beacon Lighting Unit catalog no. LRK-3D/60W/DIR/UNV, Type IV LED Lenses with a 60 watt LED light engine and driver. Voltage range is 120 through 277 volts, 60 Hz.

**C (Vacant)****D Measurement**

The department will measure LED Retrofit Lamp Assembly by each unit, 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.0060.06	LED Retrofit Lamp Assembly	Each

Payment for LED retrofit lamp assembly shall be considered full compensation for complete installation of the entire assembly and delivery of the existing ballast and lamps.

#### **41. Decorative Luminaire and Pole Assembly 15-Ft., Item SPV.0060.07.**

##### **A Description**

This special provision describes the 15-foot decorative street light assembly installation and includes the pole, luminaire, festoon receptacle and associated appurtenances. Luminaire and pole assembly manufactured by Sun Valley Lighting; contact Dustin Blotz with Enterprise Lighting at (608) 354-1540.

##### **B Materials**

Fixture: Sun Valley Lighting catalog no. CS-6302(INCANDESCENT). Description: 60W, LED ornate luminaire with multitap ballast, convex cast round housing with black finish, black finish cast-aluminum ornamental finial, internal louver with type V symmetric distribution pattern, and Mogul lamp base.

Include with the pole a duplex festoon receptacle: Description: Prefabricated ornate 15-foot decorative aluminum pole, with decorative anchor base, black finish. Accessories to include duplex festoon receptacle, and tenon suitable for luminaire attachment.

LED retrofit kit: Beacon Lighting Unit catalog no. LRK-4D/60W/DIR/UNV, Type IV LED Lenses with a 60 watt LED light engine and driver. Voltage range is 120 through 277 volts, 60 Hz.

Materials shall include #12 AWG wire and associated hardware for separate branch circuits for 240V single-phase supply to luminaire and 120V single-phase supply to festoon outlet. Include wire and materials for grounding and bonding.

##### **C Construction**

Physical and electrical installations shall comply with the plans and details as well as applicable codes and standards. Poles shall not be set until concrete foundation bases have been allowed to cure for minimum of seven days. Poles shall be set true and plumb.

##### **D Measurement**

The department will measure Decorative Luminaire and Pole Assembly 15-FT by each unit, 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.0060.07	Decorative Luminaire and Pole Assembly 15-FT	Each

Payment for Decorative Luminaire and Pole Assembly 15-FT shall be considered full compensation for complete installation of the entire assembly. Included in this item is the entire fixture assembly including pole base, pole, luminaire, tenon, festoon receptacle, and all associated materials and labor for mounting and wiring.

**42. Coring For Sign Posts, Item SPV.0060.08.**

**A Description**

This special provision describes coring through existing concrete sidewalk, not installed as part of this project, and placing wood sign supports.

**B (Vacant)**

**C Construction**

Drill a hole through concrete with an inside diameter of 12-inches by engineer approved methods. Install a post in accordance to standard spec 634.

Replace all adjacent concrete damaged by the coring process at a cost included in this item.

**D Measurement**

The department will measure Coring for Sign Posts by each unit, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.08	Coring for Sign Posts	Each

Payment is full compensation for drilling through existing concrete; removing any surplus material from the site; and for replacing all adjacent concrete damaged by the coring process. The wood posts shall be paid for separately under the appropriate pay item.

**43. Traffic Signal Controller and Cabinet, Fully Actuated 8-Phase, Item SPV.0060.09.**

**A Description**

This special provision describes furnishing and installing traffic signal controllers as shown on the plans and as hereinafter provided.

Submit a Certification of Compliance from the signal vendor, the contractor or the company that wired the cabinet certifying that the cabinet and equipment as furnished, conform to the plan and specifications. Ensure that the certificate of compliance is on the letterhead stationery, signed by an authorized officer of the company, and notarized. Submit a copy to the engineer.

It is the responsibility of the contractor or his designee that all functions within the controller, cabinet, switches, and other timing parameters, and that all electrical and electronics components are in proper working condition. In addition, it is the responsibility of the contractor or his designee to ensure it meets the plan and the specifications, and shall demonstrate this to the engineer or his designee at the field location.



After mounting the cabinet on the cabinet foundation, connect all the field wiring inside the controller cabinet and test the signal circuits for correct operation. Connect and test the signal circuits outside the controller cabinet as directed by the engineer. Connecting and testing signal circuits shall be considered part of this item of work.

The delivered cabinet at the intersection shall perform in accordance to the standard specifications, the plan details, and special provisions once the field wiring is connected. It shall also be the responsibility of the contractor to have the person responsible for wiring the cabinet present at the location when the field wiring is connected to the cabinet wiring. In addition, the contractor assumes liability for any damage or damage due to malfunctions or improper wiring.

The controller shall be a fully traffic actuated, solid state, digital microprocessor controller, capable of providing the number and sequence of phases, overlaps, and any special logic as described herein and shown on the accompanying plan. The controller will match the manufacturer and model of recently installed controllers being used in the city of Mauston.

The controller shall be fully programmed and shall be mounted in a control cabinet to operate as a complete and functioning intersection traffic signal control system. The equipment items included shall be, but not necessarily limited to, cabinet, microprocessor controller, monitor, detector amplifiers, power supply, power distribution panel, interior cabinet wiring, and other associated electrical and electronic equipment interior to the control cabinet that is necessary to provide the type of operation described in these specifications.

Dual ring, programmable for both single and dual entry concurrent timing, eight-phase frame or equivalent shall be provided. Volume density and pedestrian timing shall be provided for all phases. MUTCD flashing capability shall be provided. All controls shall be in accordance to the accompanying plans and with NEMA Standards Publication No. TSI-1976 including Revisions No. 1 and No. 2.

The intersection controller unit shall be capable of up to 8-phase operation plus four programmable overlaps regardless of whether preemption, coordination or the special programming is used. Wire the intersection cabinet for a minimum of twelve and include six 3-circuit load switches.

## **B Electrical and Operational Aspects**

### **B.1 Buffering**

Internally buffer all logic circuit inputs to withstand transients and noise, such as might result from normal usage, without damage to any mechanism components.

### **B.2 Timing Features**

All controller timing parameters shall be fully programmable from the front panel using switches and/or keyboard inputs, and memory storage features shall be nonvolatile under

power off conditions for at least 30 days. The locking, nonlocking detection mode and recall switches shall also be accessible on the front panel.

### **B.3 Minimum Green Timing**

The passage timer shall time concurrently with the minimum green timer, so that the duration of the minimum green time is directly adjustable and is independent of the passage time setting.

### **B.4 Dual Ring Timing**

In the dual ring application, no more than two phases shall be permitted to time concurrently, and no more than one phase per ring. The controller shall provide barrier protection against concurrent timing of two conflicting phases; no phases assigned to one side of the barrier shall be permitted to time concurrently, if a conflict will occur. The controller shall service calls on a single entry basis, and both rings shall cross the barrier simultaneously in accordance to the following logic: (a) Phases timing concurrently shall terminate simultaneously if both have a gap out due to excessive time between actuations. (b) Phases timing concurrently shall terminate simultaneously if both have a maximum time out. (c) In the event that one phase has not achieved a gap out or maximum time out, the other gapped out phase shall be permitted to leave the gapped out condition and retime an extension when an actuation is received.

### **B.5 Manual (Police) Control**

If manual control is used, actuation of the manual control shall permit manual advance of the Walk, Pedestrian Clearance, and Green interval terminations only. Manual termination of Yellow or All Red clearance intervals shall not be permitted.

### **B.6 Red Revert**

Provide an adjustable red revert control to assure adequate red display when recycling a phase during call-away or red rest mode operation. A call for service to a different phase shall be preceded by an all-red clearance interval, as programmed.

### **B.7 Coordination**

The controller shall be capable of operation in progressive coordination systems and mutual coordination and shall contain, but not be limited to, the following external inputs, with all functions brought out:

Vehicle/Pedestrian Detectors per phase	Pedestrian Omit per phase
Phase Omit per phase	Hold per phase
Omit Red Clearance per ring	Internal Maximum Inhibit per ring
Maximum II per ring	Red rest per ring
Stop Timing per ring	Force-Off per ring
Select Minimum Recall per controller	Manual Control per controller
Semi-Mode per controller	External Start per controller

### **B.8 Minimum Safe Timings Control**

Controllers shall not accept any operator input or stored timing parameters that would result in intervals shorter than the following: yellow clearance - 3.0 seconds; minimum walk - 4.0 seconds; minimum pedestrian clearance - 6.0 seconds. At the beginning of each of the above intervals, the controller shall check the previously stored data against these minimums. If an operator attempts to load an incorrect timing parameter, the controller unit shall output a unique error code on the front panel display. As an alternate to minimum timing control, a coded keyboard entry security feature may be provided.

### **B.9 Indicator Lights and Switches**

Provide indicator lights to show the status of each signal phase on. Indicator lights shall also be used to show interval status, phase termination information, and presence of vehicular and pedestrian calls for each phase. Also provide an indicator light to show the status of the backup battery charging circuit for future use.

The controller shall have an on off switch and fuse for AC power.

### **B.10 Data Display**

If keyboard entry is supplied, the front panel shall contain a display panel consisting of LED display characters. The face of the display shall be scratch, chemical, and solvent resistant. In the case of writing data or parameters into the controller, there shall be a visual indication that the data has been accepted. The number of characters shall be adequate to read or write all data and parameters in decimal format together with a data descriptor in either alpha numeric format, or thumbwheel switch display.

### **B.11 Diagnostic Program**

A diagnostic program shall be prepared by the manufacturer of the controller unit that will demonstrate the proper operation of all the inputs, outputs, controls and indicators in the controller, and shall have visual conformation on the front panel. The diagnostic program shall be either resident in the controller or furnished as a separate plug in module. A flow chart and listing of the diagnostic routine shall be furnished with the controller unit.

### **B.12 Maintenance of Controller**

For ease of service, the controller shall be divided to a minimum of the following separate circuit boards:

1. CPU/Memory
2. Input/Output
3. Front Panel
4. Power Supply

Each board must be easily removable without requirements for special tools.

The microprocessor supplied shall be the type that has a Fluke Pod that is compatible.

All electronic components must be removable by a PACE (model PPS-5) solder station and all integrated chips over 20 pins must be on sockets.

### **C Monitoring**

Provide a NEMA PLUS monitor with all components and circuitry, independent to the controller and having the capacity to handle a minimum of 12 channels. The monitor shall detect conflicting indications, controller voltage drops, and the absence of reds as follows:

1. Conflicting indications shall cause the monitor to place the intersection in a flashing mode of operation. The monitor shall maintain the flashing mode until manually reset, regardless of 110 VAC power to the conflict monitor.
2. The +24 VDC cabinet power source shall be monitored by the conflict monitor. If that voltage drops to an unsatisfactory level, the monitor shall cause the controller to revert to flashing mode. Upon resumption of normal voltages, the controller shall resume normal stop and go operation without the necessity of manual resetting.
3. The absence of any required red signal voltage at the field connection terminals in the controller assembly shall cause the monitor to place the intersection in a flashing mode of operation. The monitor shall maintain the flashing mode until manually reset.
4. After power interruption (exceeding 457 +/- 25 milliseconds) to the controller assembly a flashing period (4 to 10 seconds adjustable) shall precede the startup (initialization) sequence. This feature can be resident in either the monitor or the controller.
5. The flash circuit shall be wired in a failsafe manner so that the intersection will revert to and remain in flashing mode whenever and for as long as either the controller mechanism or the monitor is disconnected.
6. Indicator lights shall be: a) an indicator for each channel shall be provided with latch status of failure, b) +24V light inputs, c) conflict light, d) conflict monitor power light and program board ajar light, e) power interrupt after failure light, f) red failure light.
7. G or W vs. Y signals on the same channel: This function shall be enabled on a per unit basis. When enabled, the conflict monitor shall be capable of monitoring for green or walk versus yellow indications active on one channel. It shall be recognized as a failure if the condition exists for 850 +/- 150 milliseconds. This failure shall always be considered a latched failure when enabled.
8. G, W, or Y vs. R signals on the same channel: This function shall be enabled on a per channel basis. When enabled, the conflict monitor shall be capable of monitoring for green or walk or yellow versus red indications active on one channel. It shall be recognized as a failure if the condition exists for  $850 \pm 150$  milliseconds. This failure shall always be considered a latched failure when enabled.

### **D Terminal Facilities**

Terminal facilities shall consist of all devices external to the controller unit that are necessary to complete the intersection control. Terminal facilities supplied shall be protected by dual 30-amp circuit breakers. The dual 30-amp breakers shall feed an evenly split signal bus supplied through bus relays and radio interference line filters. Bus relays, in all cases, shall be mercury type contractors and shall not be jack mounted. Terminal facilities shall also include applicable load switch panels of sufficient capacity to accommodate 8 vehicle phases, 4 pedestrian phases, and 4 overlap phases and shall include a minimum of 6 solid

state 3 circuit load switches with visual indicators. Flash transfer relays and two double circuit flashers shall also be provided. The internal wiring in the load switch panels shall be insulated wiring of sufficient size or the individual outputs fused so that the wiring will not be damaged by shorted output light circuits. Printed circuits in the load switch panels will not be acceptable.

Use terminal strips to terminate controller cable, signal head cables and vehicle and pedestrian detector cables. Terminate all controller inputs and outputs on an interface panel. All interface and output terminal connections shall be the screw down type.

Fuse all interconnect terminal facilities to incoming lines.

### **E Cabinet Switches**

Locate the following switches inside the cabinet on a maintenance panel:

- a. Controller On/Off
- b. Cabinet Light
- c. Stop Time (Three Position)

<b>Position</b>	<b>Label Switch</b>	<b>Function</b>
Upper	Stop Time	Place stop time on the controller
Center	Run	Remove the stop time input to the controller
Lower	Normal	Connects the Monitor to the controller stop time input

Provide switches for all vehicle phases and all even pedestrian phases.

Locate the following switches behind the Police access door:

- a. Signal/Off
- b. Flash/Normal

The above switches shall function as follows:

Signal	Off
Flash	Signals Flash
Normal	Signals Normal
	Signals Dark

Manual Detector Operation. Provide three position switches external to the controller that will permit manual detector calls and manual detector disconnect for each phase independently. The switches shall be spring loaded and shall rest in the center (non-operative) position. The switches shall be appropriately labeled and shall operate as follows:

Upper Position:	Spring loaded:	Disconnect detector
Center Position:	Normal detector operation	
Lower Position:	Spring loaded:	Test call is placed to controller.

## **F Cabinet and Cabinet Equipment**

Furnish the controller completely housed in a door-in-door ground mounted (without anchor bolts) metal cabinet of minimum size 1115 mm wide, 685 mm deep, and 1495 mm high.

Provide a cabinet of clean-cut design and appearance. The size of the cabinet shall be such as to provide ample space for housing the controller, and all of the associated electrical devices which are to be furnished with the controller, together with any other auxiliary devices herein specified.

All cabinets shall have the following:

1. A 15-amp circuit breaker for auxiliary equipment.
2. A 2-pole 20-amp circuit breaker for street lighting, photo eye, and contactor.
3. A valve type surge protector, as manufactured by Joslyn, catalog #L9200-10; General Electric, catalog #9L15DCB002; or approved equal, shall be mounted internally within the traffic signal cabinet and shall be connected across the load terminals of the circuit breakers. A General Electric Varistor, catalog #V130PA20A, shall be installed at the load terminals of each circuit breaker from the hot line to the grounded current carrying neutral conductor.
4. Incandescent light socket.
5. Solid state jack mounted NEMA flasher(s) with visual indicators and completely wired base, rated for at least 10 amps per circuit at 74 degrees C.
6. Control switches, including controller power switch, stop time switch, cabinet light switch, and emergency flash switch.
7. All switches specified in Section C-8 and F.
8. Necessary fuses and circuit breakers.
9. All wiring harnesses including detector harnesses. Loop detector harness connector shall be MS-3106B018-IS fully wired terminals I and J which shall go to separate isolated terminals. One loop harness shall be provided for each of the phases (i.e. 01 - 08).
10. **Duplex power receptacle.** A 120 VAC 20 amp, NEMA 5-20R GFI convenience outlet shall be mounted in each cabinet for energizing equipment or tools. The outlet shall be fuse protected.
11. **Radio interference filter.** Each control cabinet shall be equipped with a single radio interference suppressor of sufficient ampere rating to handle the load requirements. The RIS shall be installed at the input power point. It shall minimize interference in both the broadcast and the aircraft frequencies, and shall provide a maximum attenuation of 50DB over a frequency range of from 200KHZ to 75MHZ, when used in connection with normal installations. The radio interference suppressor shall be hermetically sealed in a substantial metal case that shall be filled with a suitable insulating compound. The terminals shall be nickel-plated brass studs of sufficient external length to provide space to connect two No. 8 AWG wires and shall be so mounted that they cannot be turned in the case. Ungrounded terminals shall be properly insulated from each other, and shall maintain a surface leakage distance of not less than 6.35 mm between any exposed current conductor and any other metallic parts. The terminals shall have an insulation factor of 100-200 megohms dependent upon external conditions. The RIS shall not be rated less than 35 amperes. The RIS

shall be designed for operation on 115 VAC +/- 10%, 60HZ, single-phase circuits, and shall meet the standards of UL and Radio Manufacturer's Association.

12. **Cabinet grounding.** In all controller cabinets and auxiliary cabinets, the AC common, the logic ground, and the chassis ground shall be isolated from each other the same as detailed by NEMA Standard.
13. **Suppressors.** Each 120 VAC circuit that serves as inductive device, such as a pan motor or a mechanical relay, shall have a suppressor to protect the controller's solid state devices from excessive voltage surges. Such suppressors shall be in addition to the surge protector at the input power point.

All conductors in the cabinet shall be number 22 AWG or larger, with a minimum of 19 strands, and conforming to military specifications, Mil-W-16878D, Type B or D, vinyl nylon jacket, 600 volt, 105 degree C. All cabinets shall be factory wired.

The cabinet shall provide weather protection and forced ventilation, air filters and heaters, with adjustable thermostat switches, and comply with the environmental and operating standards outlined in NEMA Specification TSI-1-1976. The cabinet shall provide reasonable vandalism protection. Provide access doors that have latches and a Corbin lock, dust cap, and key change IR6380. The small door shall be provided with standard police locks. The heater supplied shall have adjustable thermostat setting which varies from 0 degrees to 40 degrees Celsius.

**Forced Ventilation.** Ventilate the controller cabinet containing solid-state equipment by means of a 120 VAC, 60HZ, tube axiac compact type fan. The fans free delivery airflow shall be greater than 2.83 cubic meter per minute. The magnetic field of fan motor shall not affect the performance of control equipment. The fan bearings shall operate freely. The fan unit shall not crack, creep, warp or have bearing failure within a 7 year duty cycle. The maximum noise level shall be less than 40 decibels. The fan unit shall be corrosion resistant. The thermostat's turn on setting shall be adjustable from 32 to 49 degrees Celsius. The fan shall run until the cabinet temperature decrease to approximately 17 degrees C. below the turn on temperature setting. The fan shall be fused.

Provide metal shelves to support the controller and external equipment. The controller shall be located on the top shelf and not less than 965 mm above the bottom of the cabinet. There shall be a minimum of 250 mm vertical height for detector units.

Locate buss and flash transfer relays, flashers, load switches, circuit breakers, and interference filters on a standard panel consistent with the intersection plan. Design shall facilitate field inspection and maintenance accessibility without excessive disassembly or special tools.

Prime all inside and outside surfaces of the cabinet inside and outside surfaces with phosphate treatment and primer. After priming, give all exterior surfaces a minimum of two coats of rust resistant silver grey enamel; interior surfaces shall be furnished with rust resistant high gloss white enamel.

Neatly fold and cap any cables, wires or circuits that are not being used. These wires shall be neatly tied and stowed away in or on the terminal facilities.

Terminal facilities arrangement shall be in a fashion so that trouble shooting of load bay or behind the load bay can be accomplished with simple tools. This means that the load bay will be hinged so that it can be dropped down for ease of maintenance. There will be sufficient slack in the load bay wiring to allow for dropping the load bay.

Protect all control cables, i.e., detector harnesses, controller harnesses, harnesses which connect manual/vehicle detector switches, by a nylon jacket or provide equivalent protection to prevent any contact with cabinet metal shelves, doors and any other sharp corners.

If any branch circuit wiring or control wiring does not conform to the wire specifications, the supplier will be considered as not meeting the specifications and proper corrective action will be exercised against the supplier.

Provide a 4 input PED isolation circuit to isolate controller logic ground from the field wiring. Outputs from the PED isolator shall be connected to phases 2,4,6,8.

### **G Solid State Load Switches**

Load switches shall meet the requirements of NEMA TSI-Part 5 for three circuit load switches.

Each load switch shall contain three individually replaceable, molded case, solid state relay modules. Each relay module shall utilize optical isolation between the control and the load circuits. The module shall have the functions and terminal assignments as specified in NEMA TSI-Part 5.

Each panel of load switches shall either be rack mounted or shall have a switch support bracket extending across the entire length of the switch panel.

The load bay arrangement from left to right in the cabinet shall be as described below:

1. Vehicular Phasing shall be groups first - 01, 02, 03, 04, 05, 06, 07, 08.
2. Pedestrian Phasing shall be followed second - 02, 04, 06, 08.
3. Any other special phasing shall be grouped last.

### **H Equipment List and Drawings**

Submit detailed shop drawings of the control cabinet, equipment layout drawings and wiring diagrams of all equipment installed in the controller cabinet to the owner or their representative for approval. Two sets of cabinet wiring diagrams shall be contained in a heavy duty clear plastic envelope mounted on the inside of the front door.

At the time of delivery, furnish one set of instruction manuals and an itemized price list for each type of equipment, their subassemblies, and their replacement parts. The instruction book shall include the following information: a) Table of Contents, b) operating procedure, c) step-by-step maintenance and troubleshooting information for the entire assembly, d)



circuit wiring diagrams, e) pictorial diagrams of parts locations, f) parts numbers, and g) theory of operation. The instructional manuals shall include itemized parts lists. The itemized parts lists shall include the manufacturer's name and parts number for all components (such as IC's, diodes, switches, relays, etc.) used in each piece of equipment. The list shall include cross references to parts numbers of other manufacturers who make the same replacement parts.

## **I Warranty**

The contractor shall certify that the equipment meets the required specification and shall supply a complete catalog description. The following documents shall also be provided.

1. A supplier's warranty statement that stipulates that equipment to be supplied shall be warranted for two years from the date of purchase.
2. Operations manuals.
3. Maintenance manuals.
4. Schematic diagrams.
5. Component and equipment locations within the cabinet.

If a malfunction in the controller unit, or its auxiliary equipment occurs during the warranty period, the supplier shall, within 24 hours after notification (excluding Saturday and Sunday), furnish a like controller unit module, or auxiliary equipment, for use while the warranted unit is being repaired. The isolation of any malfunction during the warranty period shall be the responsibility of the supplier. After the supplier has repaired and returned the equipment, the owner or their representative shall then return the spare component to the supplier.

## **J Preemption**

### **J.1 General**

These specifications detail a preemptor program for use with 2 through 8-phase-actuated controller.

The preemptor shall be capable of being adaptable to meet the various types of applications such as railroad, fire station, and bridge preempts.

The preemptor shall be internal to the controller and shall not alter controller capability or interchangeability under normal operation. The preemptor shall be completely programmable by the user.

### **J.2 Preempt Program**

**Preempt Registration.** The preempt call input shall initialize preempt registration and start preempt sequence unless a priority call input is activated which would treat the current controller preemptions state as normal operation and reinitiate call registration.

**Preempt Delay.** As soon as the preempt call is registered the preempt delay will begin timing unless preempt delay is set zero or preempt delay omit was active during preempt call registration. Delay shall be programmable from 0 to 255 seconds minimum.

As soon as preempt delay is timed out, current running phases not next to be common in preempt sequence are cleared. If the running phases are green and must be cleared, special programmable values of minimum green, walk and pedestrian intervals will time normal times. Concurrently a special preempt clearance is generated. This clearance is designed for advance track signals and any overlaps that may be green and require yellow clearance.

Entry Clearance Phase(s) Select. Two sequential phases or phase pairs shall be available to be run as programmable fixed time intervals as an entry sequence. Two entry options shall be available, each programmable. The entry sequence shall be capable of being omitted entirely.

Dwell Sequence. After the entry sequence, the preemptor shall enter the dwell sequence. During the dwell sequence the controller shall cycle between selected phases on a pre-timed or actuated basis. Pedestrian phasing may be normal or omitted entirely. When the dwell sequence is entered, a preempt dwell output shall be generated. The preemptor shall remain in dwell for the length of the dwell extension timer which shall be capable of being held in reset by the preempt call input. Dwell extension shall be omissible by setting the timer to zero.

Exit Sequence. After leaving dwell, the controller shall enter one or two programmed exit phases(s) or phase pairs sequences. The sequence will time programmed minimum green and place a vehicle call on all phases not omitted. After timing exit phase minimum green the controller shall time and sequence normally.

#### **K Time Base Coordination**

These specifications detail a Time Base Coordinator program for use with 2 through 8-phase actuated controller.

The units shall allow traffic control equipment to be coordinated without requiring the use of interconnection cables. The units shall coordinate traffic control equipment based on signals from a precise time base which will allow output control signals to be changed at the proper pre-programmed time to achieve the coordinated operation of an intersection with other intersections or the desired operation of an isolated intersection. The coordinators may also use a programmer for a master intersection controller which in turn is interconnected with secondary intersection controllers. The units shall also be capable of providing a command for MUTCD flash, and shall allow a full year program to be initiated and carried out without the necessity of field adjustment for anticipated special events, etc.

The time base coordinator shall be internal to the controller and shall not alter controller capability or interchangeability under normal operation. The time base coordinator shall be completely programmable by the user.

#### **L Loop Detector Amplifiers**

Provide a 16 Channel Detector Rack and Power Supply compatible with microwave detector units.

### **M Controller Operation**

Consistent with customary trade practices, the manufacturer shall furnish a warranty for all electrical or mechanical equipment described herein. The contractor shall turn such warranty over to the owner for potential dealing with the guarantor.

If the contractor is the guarantor, he specifically waives the requirements of Section 289.14(2), Wisconsin Statutes, and agrees as a condition of the contract that the owner may maintain an action against him at any time during the warranty period for recovery of damages which the state may have sustained by reason of the failure of the contractor to comply with the provisions of the warranty provided to the owner.

During the installation and testing of the controller, the contractor shall provide, at his own expense, a competent representative to oversee, direct and manage the installation and testing of the controller. In the final stages of the installation and testing, the manufacturer's representative shall be available at the job site for consultation until such time as the controller operation is tested and accepted.

If a malfunction in the controller unit or its auxiliary equipment occurs during the warranty period, the supplier shall, within 24 hours after notification (excluding Saturday and Sunday), furnish a like controller unit, module, or auxiliary equipment, for use while the warranted unit is being repaired. The isolation of any malfunction and the repair and/or replacement of any device within the warranty period shall be the responsibility of the supplier. After the supplier has repaired and returned the equipment, the county shall return the spare component to the supplier.

### **N Measurement**

The department will measure Traffic Signal Controller and Cabinet, Fully Actuated 8-Phase, as each unit of work, acceptably completed.

### **O Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.09	Traffic Signal Controller and Cabinet, Fully Actuated 8-Phase	Each

Payment is full compensation for furnishing and installing the signal controller and conflict monitor together with cabinet, switches for flashing operation, and fittings as are necessary to assure that the controller will perform the said functions.

## **44. Poles Type 10 Special, Item SPV.0060.10; Monotube Arm 25-Foot Special, Item SPV.0060.11.**

### **A Description**

This section describes furnishing and installing monotube poles and arms for traffic signals.

## **B Materials**

Design support structures, consisting of poles and arms, conforming to the completed maximum loading configurations and to AASHTO design and fabrication standards for structural supports for highway signs, luminaires, and traffic signals. Use a design life of 50 years. Design to withstand a 3 second gust wind speed of 90 mph. Do not use the methods of appendix C of those AASHTO standards.

Design support structures to the AASHTO fatigue category criteria III.

Along with the materials list, submit a certificate of compliance certifying that poles as furnished conform to the above structural performance requirements. Ensure that the certificate of compliance is on the manufacturer's letterhead, signed by an authorized company officer, and notarized. Send a copy of the certificate and a copy of the pole shop drawings to the owner or their representative. Furnish poles from an approved manufacturer.

Furnish shop drawings as specified in standard spec 506.3.2, except submit five copies with the materials list. Ensure the drawings contain sufficient detail to allow satisfactory review and show the outside diameters of the pole at the butt, top, and splice locations the plans show. Show the width, depth, length, and thickness of all material, and list all pertinent ASTM specification designations and metal alloy designations together with the tensile strength of all metallic members.

After completing the manufacturing process, ensure that all shafts a nominal 40 feet or less in length are round, of one-piece construction, and of the specified length.

Construct poles of materials having sufficient rigidity that, with all material installed and in place as the plans show, the centerline of the shaft is vertical. Include dampers for poles as needed. If the owner or their representative determines that vibration is a problem after a pole has been installed, install dampeners as the owner or their representative directs.

After all welding has been completed, the exterior surface of the pole, arm, and hardware shall be thoroughly cleaned and shall be free of all loose rust, mill scale, dirt, oil, grease, and other foreign substances. The poles and arms shall be hot-dipped galvanized in accordance to the requirements of ASTM Designation A123. The hardware shall be hot-dipped galvanized in accordance to ASTM Designation A153.

Provide a reinforced hand hole measuring 5 inches by 8 inches. Locate the hand hole approximately 18 inches from the bottom of the pole base plate to the center of the door. For the hand hole, include an access cover mounted to the pole by two 1/4" -20 x 3/4" hex-head stainless steel bolts.

Provide a grounding lug complete with mounting hardware as required, inside the pole, 180-degrees from the handhole side of the pole.

Provide access to the grounding L-clip from the hand hole. Before galvanizing the pole, weld the grounding L-clip directly opposite the hand hole on the inside wall of the pole.

Equip the top of the pole shaft with a removable, ventilated cap held securely in place by at least one 1/4" -20 x 3/4" hex-head stainless steel set screw.

Ensure that all castings are clean, smooth, and with all details well defined and true to pattern.

Attach base plates firmly to the pole shaft by welding or other approved method.

Each steel pole shall have a permanent imprinted metal label attached with rivets midway between the base plate and the handhole. The label shall state the shaft length, manufacturer's name, and year of manufacture. The label shall conform to the curvature of the pole and not have any sharp edges or corners. All rivets shall be smooth inside and outside of the pole.

Monotube arms shall have:

- A mounting device welded to the pole end of the monotube arm that allows the attachment of the arm to a pole.
- Stiffeners or gussets if required between the arm tube and the arm mounting device to provide adequate strength to resist side loads.
- A wiring raceway.

### **C Construction**

Under each bid item, furnish and install poles, ventilated pole caps, arms, and all necessary miscellaneous hardware needed to complete the installation of the poles and arms. Installation shall be in accordance to the pertinent standard specs of standard spec 657.

Install dampeners as the plans show and for poles and arms used in configurations susceptible to vibration. If the owner or their representative determines that vibration is a problem after a pole and arm has been installed, install dampeners as the owner or their representative directs.

After completing erection using normal pole shaft raking techniques, ensure that the centerline of the shaft is vertical.

### **D Measurement**

The department will measure Pole Type 10 Special, Monotube Arm 25-Foot Special 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.0060.10	Poles Type 10 Special	Each
SPV.0060.11	Monotube Arm 25-FT Special	Each

Payment is full compensation for furnishing and installing all materials.

- 45. Hydrant, Complete, Item SPV.0060.12; Corporation, Curb Stop, and Box, 1.5-Inch, Item SPV.0060.13; Water Valve and Box, 6-Inch Complete, Item SPV.0060.14; Water Valve and Box, 8-Inch Complete, Item SPV.0060.15; Water Valve and Box, 12-Inch Complete, Item SPV.0060.16; Water Tee, 6-Inch, Item SPV.0060.17; Water Tee, 6-Inch x 8-Inch, Item SPV.0060.18; Water Tee, 8-Inch, Item SPV.0060.19; Water Tee, 6-Inch x 12-Inch, Item SPV.0060.20; Water Cross, 8-Inch, Item SPV.0060.21; Ductile Iron 6-Inch, 45-Degree Bend, Item SPV.0060.22; Ductile Iron 6-Inch, 90-Degree Bend, Item SPV.0060.23; Ductile Iron 8-Inch, 22.5-Degree Bend, Item SPV.0060.24 ; Ductile Iron 8-Inch, 45-Degree Bend, Item SPV.0060.25; Ductile Iron 12-Inch, 11.25-Degree Bend, Item SPV.0060.26; Ductile Iron 12-Inch, 22.5-Degree Bend, Item SPV.0060.27; Ductile Iron 12-Inch, 45-Degree Bend, Item SPV.0060.28; Water Reducer, 4-Inch x 6-Inch, Item SPV.0060.29; Water Reducer, 6-Inch x 8-Inch, Item SPV.0060.30; Water Reducer 8-Inch x 12-Inch, Item SPV.0060.31; Connect to Existing Water Main, Item SPV.0060.32; Connect to Existing Water Service, Item SPV.0060.33; Fluorocarbon Gaskets, Item SPV.0060.34; Abandon Existing Water Service, Item SPV.0060.35; Adjust Existing Water Valve Box, Item SPV.0060.36; Type 1 Manhole, Complete, Item SPV.0060.37; Connect to Existing Sanitary Sewer Main, Item SPV.0060.38; Adjust and Waterproof Existing Sanitary Sewer Manhole, Item SPV.0060.39; Abandon Existing Sanitary Sewer Lateral, Item SPV.0060.40; Sanitary Sewer Lateral Verification, Item SPV.0060.41; Water Main Plug, 8-Inch, Item SPV.0060.42.**

#### **A Description**

This special provision describes Hydrant, Complete; Corporation, Curb Stop, and Box, 1.5-inch; Water Valve and Box, 6-Inch Complete; Water Valve and Box, 8-Inch Complete; Water Valve and Box, 12-Inch Complete; Water Tee, 6-Inch; Water Tee, 6-Inch x 8-Inch; Water Tee, 8-Inch; Water Tee, 6-Inch x 12-Inch; Water Cross, 8-Inch; Ductile Iron 6-Inch, 45-Degree Bend; Ductile Iron 6-Inch, 90-Degree Bend; Ductile Iron 8-Inch, 22.5-Degree Bend; Ductile Iron 8-Inch, 45-Degree Bend; Ductile Iron 12-Inch, 11.25-Degree Bend; Ductile Iron 12-Inch, 22.5-Degree Bend; Ductile Iron 12-Inch, 45-Degree Bend; Water Reducer, 4-Inch x 6-Inch; Water Reducer, 6-Inch x 8-Inch; Water Reducer, 8-Inch x 12-Inch; Connect to Existing Water Main; Connect to Existing Water Service; Fluorocarbon Gaskets; Abandon Existing Water Service; Adjust Existing Water Valve Box; Type 1 Manhole, Complete; Connect to Existing Sanitary Sewer Main; Adjust

and Waterproof Existing Sanitary Sewer Manhole; Abandon Existing Sanitary Sewer Lateral, Sanitary Sewer Lateral Verification and Water Main Plug, 8-Inch in accordance to the City of Mauston's Standard Sanitary Sewer and Water Specifications for WisDOT Let Projects, July 2014.

## **B (Vacant)**

## **C (Vacant)**

## **D Measurement**

The department will measure Hydrant, Complete; Corporation, Curb Stop, and Box, 1.5-inch; Water Valve and Box, 6-Inch Complete; Water Valve and Box, 8-Inch Complete; Water Valve and Box, 12-Inch Complete; Water Tee, 6-Inch; Water Tee, 6-Inch x 8-Inch; Water Tee, 8-Inch; Water Tee, 6-Inch x 12-Inch; Water Cross, 8-Inch; Ductile Iron 6-Inch, 45-Degree Bend; Ductile Iron 6-Inch, 90-Degree Bend; Ductile Iron 8-Inch, 22.5-Degree Bend; Ductile Iron 8-Inch, 45-Degree Bend; Ductile Iron 12-Inch, 11.25-Degree Bend; Ductile Iron 12-Inch, 22.5-Degree Bend; Ductile Iron 12-Inch, 45-Degree Bend; Water Reducer, 4-Inch x 6-Inch; Water Reducer, 6-Inch x 8-Inch; Water Reducer, 8-Inch x 12-Inch; Connect to Existing Water Main; Connect to Existing Water Service; Fluorocarbon Gaskets; Abandon Existing Water Service; Adjust Existing Water Valve Box; Type 1 Manhole, Complete; Connect to Existing Sanitary Sewer Main; Adjust and Waterproof Existing Sanitary Sewer Manhole; Abandon Existing Sanitary Sewer Lateral; Sanitary Sewer Lateral Verification; and Water Main Plug 8-Inch by each unit, completed and accepted.

## **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.12	Hydrant, Complete	Each
SPV.0060.13	Corporation, Curb Stop, and Box, 1.5-Inch	Each
SPV.0060.14	Water Valve and Box, 6-Inch Complete	Each
SPV.0060.15	Water Valve and Box, 8-Inch Complete	Each
SPV.0060.16	Water Valve and Box, 12-Inch Complete	Each
SPV.0060.17	Water Tee, 6-Inch	Each
SPV.0060.18	Water Tee, 6-Inch x 8-Inch	Each
SPV.0060.19	Water Tee, 8-Inch	Each
SPV.0060.20	Water Tee, 6-Inch x 12-Inch	Each
SPV.0060.21	Water Cross, 8-Inch	Each
SPV.0060.22	Ductile Iron 6-Inch, 45-Degree Bend	Each
SPV.0060.23	Ductile Iron 6-Inch, 90-Degree Bend	Each
SPV.0060.24	Ductile Iron 8-Inch, 22.5-Degree Bend	Each
SPV.0060.25	Ductile Iron 8-Inch, 45-Degree Bend	Each
SPV.0060.26	Ductile Iron 12-Inch, 11.25-Degree Bend	Each
SPV.0060.27	Ductile Iron 12-Inch, 22.5-Degree Bend	Each
SPV.0060.28	Ductile Iron 12-Inch, 45-Degree Bend	Each

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.29	Water Reducer, 4-Inch x 6-Inch	Each
SPV.0060.30	Water Reducer, 6-Inch x 8-Inch	Each
SPV.0060.31	Water Reducer, 8-Inch x 12-Inch	Each
SPV.0060.32	Connect to Existing Water Main	Each
SPV.0060.33	Connect to Existing Water Service	Each
SPV.0060.34	Fluorocarbon Gaskets	Each
SPV.0060.35	Abandon Existing Water Service	Each
SPV.0060.36	Adjust Existing Water Valve Box	Each
SPV.0060.37	Type 1 Manhole, Complete	Each
SPV.0060.38	Connect to Existing Sanitary Sewer Main	Each
SPV.0060.39	Adjust and Waterproof Existing Sanitary Sewer Manhole	Each
SPV.0060.40	Abandon Existing Sanitary Sewer Lateral	Each
SPV.0060.41	Sanitary Sewer Lateral Verification	Each
SPV.0060.42	Water Main Plug 8-Inch	Each

Payment is full compensation for furnishing all work herein specified in accordance to the “City of Mauston’s Standard Sanitary Sewer and Water Specifications for WisDOT Let Projects, July 2014”, and for furnishing all labor, tools, equipment and incidentals to complete the work separately.

#### **46. Concrete Curb and Gutter 30-Inch Type A Special, Item SPV.0090.01.**

##### **A Description**

This special provision describes constructing concrete curb and gutter as detailed in the plan and in accordance to standard spec 601.

##### **B Materials**

Furnish materials in accordance to standard spec 601.2.

##### **C Construction**

Construct concrete curb and gutter as detailed in the plan and in accordance to standard spec 601.3.

##### **D Measurement**

The department will measure Concrete Curb and Gutter (Size, Type) Special by the linear foot, acceptably completed, in accordance to standard spec 601.4.

##### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Concrete Curb and Gutter 30-Inch Type A Special	LF



Payment is full compensation for furnishing all foundation excavation and preparation; all special construction required at driveways and alley entrances or curb ramps; providing all materials, including concrete, expansion joints, and reinforcement tie bars unless specified otherwise; placing, finishing, protecting, and curing; sawing joints; disposing of surplus excavation material, restoring the work site. For tie bars provided in concrete not placed under the contract, the department will pay separately under the Drilled Tie Bars bid item as specified in 416.5.

#### **47. Concrete Curb and Gutter HES 30-Inch Type A, Item SPV.0090.02.**

##### **A Description**

This special provision describes constructing concrete curb and gutter in accordance to the requirements of standard spec 601, at locations approved by the engineer, and as hereinafter provided.

##### **B Materials.**

Provide concrete that conforms to the requirements for high early strength concrete in accordance to standard spec 501.

##### **C Construction**

Perform this work at locations directed by the engineer in accordance to the requirements of standard spec 415 for concrete pavement high early strength. Use 9-bag HES cement rather than 7-bag HES.

*Modify standard spec 601.3.4 (5) to require that contraction joints be sawed.*

Saw the joints to a minimum depth of one-third (D/3) of the depth of the curb and gutter at the flag line.

##### **D Measurement**

The department will measure Concrete Curb and Gutter HES (Size and Type) in length by the linear feet, acceptably completed.

##### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.02	Concrete Curb and Gutter HES 30-Inch Type A	LF

Payment is full compensation for furnishing all foundation excavation and preparation; all special construction required at driveway and alley entrances or curb ramps; providing all materials, including concrete, expansion joints, and reinforcement tie bars unless specified otherwise; placing, finishing, protecting, and curing; sawing joints; disposing of surplus excavation material, restoring the work site.

The department will adjust pay for crack repairs on concrete built under standard spec 601 as specified in standard spec 416.5.2 for ancillary concrete.

**48. Storm Sewer, 8-Inch PVC, Item SPV.0090.03.**

**A Description**

This special provision describes furnishing and installing storm sewer, 8-Inch PVC lateral connections as shown on the plans and as hereinafter provided.

**B Materials**

Furnish PVC pipe and fittings to conform to AASHTO M278 and ASTM D-3034, Type PSM SDR 23.5 PVC Sewer pipe requirements.

**C Construction**

Verify that positive drainage is achieved when connecting to the new structures. Connect the storm sewer lateral with the appropriate coupling, concrete collar or by means approved by the engineer. All joints shall be solvent welded. Concrete masonry for concrete collar shall be in accordance to standard spec 501. Any additional removals, pipe, or materials required to connect the storm sewer lateral shall be considered incidental to this bid item.

**D Measurement**

The department will measure Storm Sewer, 8-Inch PVC in length by the linear foot, measured along the centerline of the pipe, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.03	Storm Sewer, 8-Inch PVC	LF

Payment is full compensation for furnishing all excavation; disposing of excess material; furnishing and placing backfill; compacting the backfill; coring the storm sewer; sealing with Portland cement mortar; furnishing and installing, 8-Inch PVC Pipe, elbows and caps.

**49. Copper Water Service, 1.5-inch, Item SPV.0090.04; Ductile Iron Water Main, 6-Inch, Item SPV.0090.05; Ductile Iron Water Main, 8-Inch, Item SPV.0090.06; Ductile Iron Water Main, 12-Inch, Item SPV.0090.07; Water Main Encasement, Item SPV.0090.08; Sanitary Sewer Lateral, 6-Inch, Item SPV.0090.09; Sanitary Sewer Main, 8-Inch, Item SPV.0090.10; Sanitary Sewer Main, 10-Inch, Item SPV.0090.11; Sanitary Sewer Main, 12-Inch, Item SPV.0090.12; Sanitary Sewer Main, 15-Inch, Item SPV.0090.13.**

**A Description**

This special provision describes furnishing and installing Copper Water Service, 1.5-Inch; Ductile Iron Water Main, 6-Inch; Ductile Iron Water Main, 8-Inch; Ductile Iron Water Main, 12-Inch; Water Main Encasement; Sanitary Sewer Lateral, 6-Inch; Sanitary Sewer

Main, 8-Inch; Sanitary Sewer Main, 10-Inch; Sanitary Sewer Main, 12-Inch; and Sanitary Sewer Main, 15-Inch in accordance to the “City of Mauston’s Standard Sanitary Sewer and Water Specifications for WisDOT Let Projects, July 2014”.

**B (Vacant)**

**C (Vacant)**

**D Measurement**

The department will measure Copper Water Service, 1.5-Inch; Ductile Iron Water Main, 6-Inch; Ductile Iron Water Main, 8-Inch; Ductile Iron Water Main, 12-Inch; Water Main Encasement; Sanitary Sewer Lateral, 6-Inch; Sanitary Sewer Main, 8-Inch; Sanitary Sewer Main, 10-Inch; Sanitary Sewer Main, 12-Inch; and Sanitary Sewer Main, 15-Inch by the linear foot as 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.0090.04	Copper Water Service, 1.5-Inch	LF
SPV.0090.05	Ductile Iron Water Main, 6-Inch	LF
SPV.0090.06	Ductile Iron Water Main, 8-Inch	LF
SPV.0090.07	Ductile Iron Water Main, 12-Inch	LF
SPV.0090.08	Water Main Encasement	LF
SPV.0090.09	Sanitary Sewer Lateral, 6-Inch	LF
SPV.0090.10	Sanitary Sewer Main, 8-Inch	LF
SPV.0090.11	Sanitary Sewer Main, 10-Inch	LF
SPV.0090.12	Sanitary Sewer Main, 12-Inch	LF
SPV.0090.13	Sanitary Sewer Main, 15-Inch	LF

Payment is full compensation for furnishing all work herein specified in accordance to the “City of Mauston’s Standard Sanitary Sewer and Water Specifications for WisDOT Let Projects, July 2014”, and for furnishing all labor, tools, equipment and incidentals to complete the work.

**50. Powder Coating Overhead Sign Structure, S-29-0009, Item SPV.0105.01; Powder Coating Overhead Sign Structure, S-29-0010, SPV.0105.02.**

**A Description**

This special provision describes furnishing powder coating materials, preparing galvanized steel surfaces for powder coating, and applying powder coating to galvanized steel overhead sign structures.

**B Materials**

Furnish an exterior weather-resistant powder coating, black color, 80-90% gloss, meeting the following requirements:

Test	Method	Requirement
Film thickness	---	4 mils
Gloss according to gardener 60°	ASTM D523	80-90°
Pencil hardness	ASTM B3363	2H (min)
Acid salt spray resistance	ASTM G85	Max. undercutting 1 mm/0.04 in.

Clean galvanized steel surfaces and prepare according to the manufacturer's recommendations for galvanized steel before powder coating.

Apply powder coating and bake according to the manufacturer's recommendations.

Determine the dry film thickness by using magnetic film thickness gauges calibrate fro dry film thickness measurement according to SSPC-PA 2. The engineer will reject the powder coating if minimum film thicknesses are less than specified.

#### **C Construction**

Field repair powder coating according to the coating supplier's recommendations, supplied to the engineer by the steel fabricator.

#### **D Measurement**

The department will measure Powder Coating Overhead Sign Structure, (Structure) completed in accordance to the contract and accepted, as a single complete lump sum unit of work for each structure.

#### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.01	Powder Coating Overhead Sign Structure, S-29-0009	LS
SPV.0105.02	Powder Coating Overhead Sign Structure, S-29-0010	LS

Payment is full compensation for cleaning the steel; furnishing and applying the powder coating materials; and for performing field repairs.

### **51. Concrete Pavement Joint Layout, Item SPV.0105.03.**

#### **A Description**

This special provision describes providing a concrete pavement or concrete base joint layout design for intersections, including the roundabout, and marking the location of all joints in the field.

#### **B (Vacant)**

### **C Construction**

Plan and locate all points necessary to establish the horizontal position of the transverse and longitudinal joints in the concrete to prevent uncontrolled cracking. Submit a joint layout design to the engineer before paving each intersection. Mark the location of all concrete joints in the field. Follow the plan details for joints in concrete making adjustments as required to fit field conditions. The roundabout joint layout will follow either an isolated circle or pinwheel jointing pattern.

### **D Measurement**

The department will measure Concrete Pavement Joint Layout as a single lump sum unit of work for all joint layout designs and marking, acceptably completed.

### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.03	Concrete Pavement Joint Layout	LS

Payment is full compensation for providing the intersection joint layout designs and marking all joints in the field.

The department will adjust pay for crack repairs as specified in standard spec 415.5.3.

## **52. Traffic Signal Equipment and Hardware, Black Finish, Item SPV.0105.04.**

### **A Description**

This special provision describes furnishing a black exterior finish to all traffic signal equipment and hardware include but not limited to poles, monotube arms, transformer bases, pedestal bases, traffic signal standards, traffic signal face housings, pedestrian signal face housings, pedestrian push buttons, luminaires, mast arms, and signal mounting hardware.

### **B Material**

Provide an exterior weather-resistant material appropriate black (RAL 9017) color treatment finish on all traffic signal equipment including but not limited poles, monotube arms, transformer bases, pedestal bases, traffic signal standards, traffic signal face housings, pedestrian signal face housings, pedestrian push buttons, luminaires, mast arms, and signal mounting hardware.

Anodize aluminum materials according to the manufacturer's recommendations.

Powder coat steel materials according to the manufacturer's recommendations.

**C Construction**

Field repair black finish according to the supplier's recommendations, supplied to the engineer by the equipment fabricator.

**D Measurement**

The department will measure Traffic Signal Equipment and Hardware, Black Finish, completed in accordance to the contract and accepted, as a single complete lump sum unit of work for each location.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.04	Traffic Signal Equipment and Hardware, Black Finish	LS

Payment is full compensation for the difference in price to supply traffic signal equipment with an exterior weather-resistant material appropriate black treatment finish versus the finish described in the standard specifications.

**53. Remove Existing Water Main and Services, Item SPV.0105.05; Abandon Existing Water Main, Item SPV.0105.06; Temporary Water Service, Item SPV.0105.07; Temporary Bypass Pumping and Sewer Connections, Item SPV.0105.08.**

**A Description**

This special provision describes completing the following: Remove Existing Water Main and Services; Abandon Existing Water Main; Temporary Water Service; and Temporary Bypass Pumping by supplying the materials, installation, and labor shall be in accordance to the "City of Mauston's Standard Sewer and Water Specifications for WisDOT Let Projects, July 2014."

**B (Vacant)**

**C (Vacant)**

**D Measurement**

The department will measure each Remove Existing Water Main and Services; Abandon Existing Water Main; Temporary Water Service; and Temporary Bypass Pumping and Sewer Connections as a lump sum unit of work for the whole project as 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.0105.05	Remove Existing Water Main and Services	LS
SPV.0105.06	Abandon Existing Water Main	LS
SPV.0105.07	Temporary Water Service	LS
SPV.0105.08	Temporary Bypass Pumping and Sewer Connections	LS

Payment is full compensation for furnishing all work herein specified in accordance to the “City of Mauston’s Standard Sewer and Water Specifications for WisDOT Let Projects, July 2014”, and for furnishing all labor, tools, equipment, and incidentals to complete the work.

#### **54. Colored Concrete Pavement 8-Inch, Item SPV.0165.01.**

##### **A Description**

This special provision describes constructing colored concrete pavement in accordance to the standard specifications, as shown on the plans, and as hereinafter provided.

##### **B Materials**

###### **B.1 Concrete**

Conform to standard spec 501 and as follows:

Integrally color the concrete using non-fading synthetic iron oxides conforming to ASTM C979 at a minimum percent loading of 6% and a maximum percent loading of 8% by weight of the cementitious materials in the mix.

Match the concrete color in reasonably close conformance with WisDOT red color, which is similar to Federal Standard 595 Color Server, FS color 31136. The city of Mauston will accept the color based on comparison to WisDOT red color samples available for viewing through the Materials staff in the Technical Services Section at WisDOT Regional offices.

Add integral concrete colorant according to manufacturer's instructions.

Maintain mix characteristics for all colored concrete requiring a matching finish. Use the same source, brand, type, and color of portland cement, supplementary cementitious materials, aggregates and admixtures for colored concrete throughout the project. Use constant cement content, supplementary cementitious material content and water/cementitious materials ratio in the concrete mix to maintain consistent color.

###### **B.2 Concrete Curing**

Supply a liquid membrane-forming clear curing compound conforming to AASHTO M 148, type 1.

###### **B.3 Admixtures**

Use admixtures designed for use and compatible with colored concrete pigments. Do not use calcium chloride or admixtures containing chlorides.

## **B.4 Mix Approval**

### **B.4.1 General**

Obtain colored concrete mix approval prior to placing the concrete by meeting one of the following:

#### **B.4.1.1 Performance History**

Provide documentation from a previously approved project that utilized WisDOT red colored concrete. Include documentation as follows:

1. Project Info: Project ID, and location.
2. Mix proportions: quantities per cubic yard expressed as SSD weights and net water, water to cementitious material ratio, air content, and 28-day or earlier compressive strength.
3. Materials: type, brand, and source.
4. Sample panel: Provide a finished colored concrete sample from the previous project having minimum dimensions of 2-foot by 2-foot by 1.5-inch.
5. Use the same mix proportions, and material type, brand and source, including admixtures, for the current contract as from the previously approved WisDOT red colored concrete mix design.

Upon acceptance the sample panel will act as the visual quality standard for finished work.

#### **B.4.1.2 Trial Batch**

Perform preliminary laboratory and/or field trial batching to establish the mix proportions necessary to meet the final concrete characteristics.

Produce test panels to demonstrate the typical texture, surface finish, color, and color intensity. Notify the engineer seven days in advance by providing the dates and times for test panel construction.

At an engineer-determined location on the project, place and finish a 10-foot by 10-foot by 6-inch colored concrete test panel using processes and techniques intended for use on permanent work, including curing procedures. Produce test panels using the same workers who will perform the contract work. Retain samples of cements, sands, aggregates and color additives used in test panels for comparison with materials used in remaining work. For an accurate representation of the desired color or color intensity, produce the colored concrete for the test panel in a minimum batch size of 2 cubic yards or in full cubic yard increments for batch size greater than 2 cubic yards. Discard excess material.

The engineer will determine acceptance of the test panel color and finish by comparing the test panel to the WisDOT red color comparison sample from the Regional office. Upon acceptance the test panel will act as the visual quality standard for finished work. Remove the test panel as directed by the engineer.

Submit to the engineer the final mix design including specific sources and/or trade names as applicable for all materials.



## **C Construction**

Construct colored concrete in accordance to standard spec 415 and standard spec 716 QMP Ancillary Concrete and as herein provided.

### **C.1 Placement**

Produce colored concrete in full cubic yard increments.

Produce consistent colored concrete mixes. Once colored concrete placement has started, the engineer will not allow variations in the amounts, types, or source of materials with the exception of minor adjustments of water and air-entraining agent as necessary. Other changes require the contractor to repeat the mix approval process.

Colored concrete mixes for matching colored items shall be consistent. If the contractor chooses to provide mixes with high early strength concrete, then all colored concrete for matching colored items shall be provided as high early strength concrete.

Schedule colored concrete placement to minimize exposure to rapid drying conditions, wind and full sun, before curing materials are applied. Do not place colored concrete if rain, snow, or freezing temperature is forecast within 24-hours.

Cover and protect adjacent construction and concrete from discoloration and spillage during placement and curing of colored concrete. Remove and replace discolored concrete as the engineer directs.

Perform finishing operations consistently to avoid discoloration in the finished colored concrete. Do not begin finishing until bleed water has left the surface. Addition of surface water for aiding in finishing (often referred to as blessing the concrete) is not allowed. If water is added to the surface of the colored concrete once concrete is in place, the engineer will reject the colored concrete. During final finishing and texturing apply all strokes in the same direction.

Cure colored concrete in accordance to standard spec 415.3.12, using the impervious coating or impervious sheeting method. Protect colored concrete from premature drying and excessive cold or hot temperatures by prompt application of curing materials. Do not allow plastic sheeting to come in contact with colored concrete.

Protect the colored concrete from damage. Do not permit construction traffic or material storage on colored concrete. Exclude other foot traffic from colored concrete for at least 24 hours after placement.

## **D Measurement**

The department will measure Colored Concrete Pavement 8-Inch by the square foot of surface area, acceptably completed.

## **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.01	Colored Concrete Pavement 8-Inch	SF

Payment for Colored Concrete Pavement 8-Inch is full compensation for developing mix designs and providing sample panels or test panels; for furnishing materials (including concrete masonry, colored pigments, sealers, joint and bond breakers, and retarders), hauling, preparing, placing, curing, and protecting the concrete; for sawing required for construction of colored concrete; for jointing and joint materials, and tie bars; for measuring opening strength including fabricating and testing cylinders, obtaining and testing cores, and evaluating maturity; and for furnishing all removal of colored concrete.

## **55. Stamped Colored Concrete Sidewalk 6-Inch, Item SPV.0165.02.**

### **A Description**

This special provision describes the construction of stamped colored concrete for sidewalk in the terraces and median islands in accordance to the standard specifications, as shown on the plans, and as hereinafter provided.

### **B Materials**

#### **B.1 Concrete**

Conform to standard spec 501 and as follows:

Integrally color the concrete using non-fading synthetic iron oxides conforming to ASTM C979 at a minimum percent loading of 6% and a maximum percent loading of 8% by weight of the cementitious materials in the mix.

Match the concrete color in reasonably close conformance with WisDOT red color, which is similar to Federal Standard 595 Color Server, FS color 31136. The stamp pattern will be herringbone. The city of Mauston will accept the stamp pattern and color based on comparison to WisDOT samples available for viewing through the Materials staff in the Technical Services Section at WisDOT Regional offices.

Add integral concrete colorant according to manufacturer's instructions.

Maintain mix characteristics for all colored concrete requiring a matching finish. Use the same source, brand, type, and color of portland cement, supplementary cementitious materials, aggregates and admixtures for colored concrete throughout the project. Use constant cement content, supplementary cementitious material content and water/cementitious materials ratio in the concrete mix to maintain consistent color.

#### **B.2 Concrete Curing**

Supply a clear liquid membrane forming cure and seal product from the department's approved list that meets the requirements of ASTM C1315 Type I, Class A.

### **B.3 Admixtures**

Use admixtures designed for use and compatible with colored concrete pigments. Do not use calcium chloride or admixtures containing chlorides.

### **B.4 Mix Approval**

#### **B.4.1 General**

Obtain colored concrete mix approval prior to placing the concrete by meeting one of the following:

##### **B.4.1.1 Performance History**

Provide documentation from a previously approved project that utilized WisDOT red colored concrete. Include documentation as follows:

1. Project Info: Project ID, and location.
2. Mix proportions: quantities per cubic yard expressed as SSD weights and net water, water to cementitious material ratio, air content, and 28-day or earlier compressive strength.
3. Materials: type, brand, and source.
4. Sample panel: Provide a finished colored concrete sample from the previous project having minimum dimensions of 2-foot by 2-foot by 1.5-inch.
5. Use the same mix proportions, and material type, brand and source, including admixtures, for the current contract as from the previously approved WisDOT red colored concrete mix design.

Upon acceptance the sample panel will act as the visual quality standard for finished work.

##### **B.4.1.2 Trial Batch**

The same test panel used for Colored Concrete Pavement 9-Inch can be used if the same concrete mix design and color are used for this item. Otherwise, follow the remainder of this section to trial batch requirements.

Perform preliminary laboratory and/or field trial batching to establish the mix proportions necessary to meet the final concrete characteristics.

Produce test panels to demonstrate the typical texture, surface finish, stamp pattern, color, and color intensity. Notify the engineer 7 days in advance by providing the dates and times for test panel construction.

At an engineer-determined location on the project, place and finish a 10-foot by 10-foot by 4-inch colored concrete test panel using processes and techniques intended for use on permanent work, including curing procedures. Produce test panels using the same workers who will perform the contract work. Retain samples of cements, sands, aggregates and color additives used in test panels for comparison with materials used in remaining work. For an accurate representation of the desired color or color intensity, produce the colored concrete for the test panel in a minimum batch size of 2 cubic yards or in full cubic yard increments for batch size greater than 2 cubic yards. Discard excess material.

The engineer will determine acceptance of the test panel color and finish by comparing the test panel to the WisDOT red color and cobblestone pattern comparison sample from the Regional office. Upon acceptance the test panel will act as the visual quality standard for finished work. Remove the test panel as directed by the engineer.

Submit to the engineer the final mix design including specific sources and/or trade names as applicable for all materials.

## **C Construction**

Construct colored concrete in accordance to standard spec 602 and standard spec 716 QMP Ancillary Concrete and as herein provided.

### **C.1 Placement**

Produce colored concrete in full cubic yard increments.

Produce consistent colored concrete mixes. Once colored concrete placement has started, the engineer will not allow variations in the amounts, types, or source of materials with the exception of minor adjustments of water and air-entraining agent as necessary. Other changes require the contractor to repeat the mix approval process.

Colored concrete mixes for matching colored items shall be consistent. If the contractor chooses to provide mixes with high early strength concrete, then all colored concrete for matching colored items shall be provided as high early strength concrete.

Schedule colored concrete placement to minimize exposure to rapid drying conditions, wind and full sun, before curing materials are applied. Do not place colored concrete if rain, snow, or freezing temperature is forecast within 24-hours.

Cover and protect adjacent construction and concrete from discoloration and spillage during placement and curing of colored concrete. Remove and replace discolored concrete as the engineer directs.

Perform finishing operations consistently to avoid discoloration in the finished colored concrete. Do not begin finishing until bleed water has left the surface. Addition of surface water for aiding in finishing (often referred to as blessing the concrete) is not allowed. If water is added to the surface of the colored concrete once concrete is in place, the engineer will reject the colored concrete. During final finishing and texturing apply all strokes in the same direction.

Uniformly apply liquid release agent onto the colored concrete while it is still in a plastic state to provide clean release of imprinting tools from the concrete surface without lifting imprint or tearing concrete.

While initially finished concrete is in plastic state, accurately align and place imprinting stamps. Monitor the setting up of the concrete. Once the concrete has set to the point it can be stamped, begin stamping. Uniformly pound or press imprint tools into concrete to produce required pattern and depth of imprint on concrete surface. Remove platform tools immediately. Hand texture and stamp edges and surfaces unable to be imprinted by stamp mats. Touch up imperfections such as broken comers, double imprints and surface cracks.

Stamp concrete consistently so that stamped concrete does not have a vertical elevation difference of ½ inch or depressions in concrete capable of causing ponding water or ice. For concrete hand stamp edges and surfaces that are unable to be imprinted by platform tools, use texture mats and single blade hand stamps to match platform tool stamping pattern. Finish imprinting to match pre-construction mock ups.

After concrete has been stamped and the sheen has left the surface of the colored concrete, seal the colored concrete. Apply per manufacturer's recommendations. Apply two coats of seal. Apply second coat after first coat has dried. Do not seal over blemishes or imperfections caused by rainfall or protection materials.

Cure colored concrete in accordance to standard spec 415.3.12, using the impervious coating or impervious sheeting method. Protect colored concrete from premature drying and excessive cold or hot temperatures by prompt application of curing materials. Do not allow plastic sheeting to come in contact with colored concrete.

Protect the colored concrete from damage. Do not permit construction traffic or material storage on colored concrete. Exclude other foot traffic from colored concrete for at least 24 hours after placement.

#### **D Measurement**

The department will measure Stamped Colored Concrete Sidewalk 6-Inch by the square foot of surface area, acceptably completed.

#### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.02	Stamped Colored Concrete Sidewalk 6-Inch	SF

Payment is full compensation for preparing the foundation, unless provided otherwise; for developing mix designs and providing sample panels or test panels; for furnishing materials (including concrete masonry, colored pigments, sealers, expansion materials, joint and bond breakers, and retarders), hauling, preparing, placing, curing, and protecting the concrete; for sawing required for construction of colored concrete; for jointing and joint materials, and tie bars; for measuring opening strength including fabricating and testing cylinders, obtaining and testing cores, and evaluating maturity; and for furnishing all removal of colored concrete.

**56. Abandon Vault, Item SPV.0165.03.**

**A Description**

Remove the vault roof, remove part of the outer walls and crack the existing vault floor as shown in the construction details.

**B Materials**

Furnish Granular Backfill that meets the requirements of standard spec 202.

**C Construction**

Do not damage the existing walls, floor, or footings to remain. Contractor shall be responsible for any damages. Provide temporary method to protect the existing basement from weather, dust, or unauthorized personal from entering.

**D Measurement**

The department will measure Abandon Vault in square feet of roof, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.03	Abandon Vault	SF

Payment is full compensation for excavation of vault roof and vault wall, including sawcuts; disposal of material and other debris; and for furnishing and placing granular backfill.

**57. Vault Wall, Item SPV.0165.04.**

**A Description**

This work shall includes drilling in dowel bars, placing reinforcing bars, constructing a masonry wall, grouting, insulation and placing sheet membrane waterproofing as shown in the construction details.

**B Materials**

Furnish and use concrete brick, or concrete block masonry that meets the requirements of standard spec 519 of the standard specifications. If the existing foundation is cast-in-place concrete, use concrete block or brick. See material list on construction detail.

**C Construction**

See construction details in the plan.

**D Measurement**

The department will measure Vault Wall in square feet of new wall face, acceptably completed.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.04	Vault Wall	SF

Payment is full compensation for furnishing and installing masonry wall, including ties to existing walls; furnishing and installing sheet membrane waterproofing, grouting, insulation, and reinforcing bars.

**58. Abandoned Vault Wall Removal Masonry, Item SPV.0165.05; Abandoned Vault Wall Removal Reinforced Concrete 0"-10", Item SPV.0165.06; Abandoned Vault Wall Removal Reinforced Concrete 10"+, Item SPV.0165.07.**

**A Description**

Remove abandoned vault walls as necessary for utility and sidewalk construction in accordance to the pertinent provisions of standard spec 203 and as hereinafter provided.

**B Materials**

Furnish and use granular backfill that meets the requirements of standard spec 202.

**C Construction**

Remove the walls of the abandoned vault to a depth of 3 feet below finish grade and backfill any area removed as required by the engineer. The engineer will verify the limits of removal. Any saw cuts or other necessary work in the removal is included in the bid item. Depth will be measured from the top of existing sidewalk adjacent to building.

Remove all material from the right-of-way and properly dispose of it.

**D Measurement**

The department will measure Abandoned Vault Removal (Type) by the square foot of wall 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
SPV.0165.05	Abandoned Vault Wall Removal Masonry	SF
SPV.0165.06	Abandoned Vault Wall Removal Reinforced Concrete 0"-10"	SF
SPV.0165.07	Abandoned Vault Wall Removal Reinforced Concrete 10" +	SF

Payment is full compensation for removing abandoned vault walls; furnishing and placing granular backfill; saw-cutting as necessary; and for properly disposing of materials.

**59. Utility Insulation, Item SPV.0165.08.**

**A Description**

This special provision describes furnishing and installing utility (rigid) insulation. All materials, installation, and labor shall be in accordance to the “City of Mauston’s Standard Sewer and Water Specifications for WisDOT Let Projects, July 2014.”

**B (Vacant)**

**C (Vacant)**

**D Measurement**

The department will measure Utility Insulation by the square foot installed and 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.0165.08	Utility Insulation	SF

Payment is full compensation for furnishing all work herein specified in accordance to the “City of Mauston’s Standard Sewer and Water Specifications for WisDOT Let Projects, July 2014”, and for furnishing all labor, tools, equipment, and incidentals to complete the work.

**60. Shredded Hardwood Bark Mulch, Item SPV.0180.01.**

**A Description**

Furnish and install Shredded Hardwood Bark Mulch at the locations shown on the plans and in accordance to the pertinent provisions of standard spec 632 and as hereinafter provided.

**B Materials**

Shredded Hardwood Bark Mulch shall be finely shredded hardwood bark mulch and shall be the product of a mechanical chipper, hammermill, or tub grinder. The material shall be fibrous and uniformly colored to match the existing bark mulch within the area, free of large wood chunks, and shall be substantially free of mold, dirt, sawdust, and foreign material. No portion of the material shall be in an advanced state of decomposition. The material shall not contain chipped up manufactured boards or chemically treated wood, including but not limited to wafer board, particle board, and chromated copper arsenate (CCA) or penta-treated wood. The material shall contain no bark of the black walnut tree. The material, when air dried, shall all pass a 4-inch screen and no more than 20 percent by mass of the material shall pass a 0.10-inch sieve. Unattached bark or greenleaf composition, either singly or combined, shall not exceed 20 percent each by mass. The maximum length of individual pieces shall not exceed 4 inches.



### **C Construction**

Install mulch in accordance to standard spec 632.3.9 to a depth of 3 inches.

Place the hardwood bark mulch in such a manner as to not damage plants already in place.

### **D Measurement**

The department will measure Shredded Hardwood Bark Mulch by the square yard of surface area, 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	Shredded Hardwood Bark Mulch	SY

Payment is full compensation for furnishing and installing all materials.

## **61. Excavation, Segregation, Hauling, and Disposal of Contaminated Soil and Groundwater, Item SPV.195.01.**

### **A Description**

#### **A.1 General**

This special provision describes excavating, segregating, loading, hauling, and disposing of petroleum-contaminated soil and requirements for managing petroleum-contaminated groundwater. Petroleum-contaminated soil shall be disposed of at a DNR approved bioremediation facility. The closest DNR approved facilities are:

Veolia Environmental Services Cranberry Creek Landfill  
2510 Engel Road  
Wisconsin Rapids, WI 54494

La Crosse County Landfill  
6500 State Road 16  
La Crosse, WI 54601

Perform this work in accordance to standard spec 205 and with pertinent parts of Chapters NR 700-754 of the Wisconsin Administrative Code, as supplemented herein. Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport petroleum-contaminated soil.

#### **A.2 Notice to the Contractor – Contaminated Material Locations**

The department completed testing for soil contamination at locations within this project where excavation is required. Results indicate that petroleum-contaminated soil is present at the following locations within the project corridor:

1. **Site 1:** Station 282+40 to 283+15 from reference line to the construction limits on the right at depths greater than 5 feet below ground surface.
2. **Site 3:** Station 284+60 to 285+50, from reference line to the construction limits on the left at depths greater than 5 feet below ground surface.
3. **Site 6:** Station 287+00 to 287+50 from reference line to the construction limits on the left and the right at depths of 0 to 5 feet below ground surface.
4. **Site 9:** Station 297+15 to 297+75, from reference line to the construction limits on the right at depths greater than 5 feet below ground surface.
5. **Site 10:** Station 297+10 to 297+60 from reference line to the construction limits on the left at depths greater than 5 feet below ground surface.
6. **Site 12:** Station 298+40 to 298+90, from reference line to the construction limits on the right at depths greater than 5 feet below ground surface.

Contaminated soil and/or underground storage tanks (USTs) may be encountered at other locations within the construction limits. If contaminated soil and/or USTs are encountered at other locations, terminate excavations in that area and notify the engineer. Contaminated soil at other locations shall be managed by the contractor under this contract and USTs will be removed by others.

Groundwater monitoring wells are not expected to be located within the project limits. If groundwater monitoring wells are encountered during construction, notify the engineer and protect the wells to maintain their integrity. The environmental consultant will determine if monitoring wells need to be maintained. Adjust monitoring wells that need to be maintained and do not conflict with structures or curb and gutter to be flush with the final grade. Coordinate with the environmental consultant the abandonment or adjustment of wells that conflict with the previously mentioned items and wells that are not required to be maintained.

The excavation management plan for this project has been designed to minimize the off-site disposal of contaminated material. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding previous investigation and remediation activities at these sites contact:

Name:	TRC, Mr. Dan Haak or Mr. Nathan Braun
Address:	708 Heartland Trail, Suite 3000, Madison, WI 53717
Phone:	(608) 826-3628 or (608) 826-3633
Fax:	(608) 826-3941
E-mail:	<a href="mailto:Dhaak@trcsolutions.com">Dhaak@trcsolutions.com</a> , <a href="mailto:Nbraun@trcsolutions.com">Nbraun@trcsolutions.com</a>

### **A.3 Coordination**

Coordinate work under this contract with the environmental consultant retained by the department's BTS-ESS:

Name: TRC, Mr. Dan Haak or Mr. Nathan Braun  
Address: 708 Heartland Trail, Suite 3000, Madison, WI 53717  
Phone: (608) 826-3628 or (608) 826-3633  
Fax: (608) 826-3941  
E-mail: [Dhaak@trcsolutions.com](mailto:Dhaak@trcsolutions.com), [Nbraun@trcsolutions.com](mailto:Nbraun@trcsolutions.com)

The role of the environmental consultant will be limited to:

1. Determining the locations and limits of petroleum-contaminated soil to be excavated based on soil analytical results from previous investigations, visual observations, and field-screening of soil that is excavated;
2. Identifying petroleum-contaminated soils to be hauled to the bioremediation and landfill facility;
3. Documenting that activities associated with management of petroleum-contaminated soil are in conformance with the contaminated soil management methods for this project as specified herein; and
4. Obtaining the necessary approvals for treatment and disposal of petroleum-contaminated soil.

The contractor shall provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the petroleum-contaminated areas specified above to the environmental consultant. Identify the WDNR approved bioremediation and landfill facility that will be used for disposal of petroleum-contaminated soils. Provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation in the petroleum-contaminated areas, or at the preconstruction conference, whichever comes first.

The contractor shall coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation in the petroleum-contaminated areas. Notify the environmental consultant at least three working days prior to commencement of excavation activities in the petroleum-contaminated areas. Perform excavation work in this area on a continuous basis until excavation work is completed. The environmental consultant will be responsible for obtaining the necessary approvals for disposal of petroleum-contaminated soils. Do not transport petroleum-contaminated soil offsite without prior approval from the environmental consultant.

#### **A.4 Health and Safety Requirements**

*Supplement standard spec 107.1 with the following:*

During excavation activities, expect to encounter soil contaminated with petroleum. Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training that meets the Occupational Safety and Health Administration (OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

Prepare a site-specific Health and Safety Plan, and develop, delineate and enforce the health and safety exclusion zones for each petroleum-contaminated site location as required by 29 CFR 1910.120. Submit the site-specific health and safety plan and written documentation of up-to-date OSHA training to the engineer prior to the start of work.

Disposal of petroleum-contaminated soil at the biopile and landfill facility is subject to the facility's safety policies, which include as a minimum:

- 1) No smoking is allowed on-site.
- 2) Maximum speed limit of 15 mph on access roads and 5 mph while in active area.
- 3) All persons entering the active area must wear the following personal protective equipment: hard hats, high visibility clothing, steel toed work boots, safety glasses, and seat belts.
- 4) Minimum requirement for spacing is as follows:
  - a) A minimum 15 foot Safety Zone is required between landfill equipment and all personnel at all times.
  - b) Do not back up directly behind the compactor or dozer.
  - c) Trucks must yield the right-of-way to landfill equipment.
  - d) 15 feet required between trucks.
- 5) Only the driver can exit the truck and must stay within 4 feet of the truck. Use of Spotter is prohibited. Helper (if any), must remain in vehicle while unloading.
- 6) Tailgates of all vehicles may only be opened while in the active area and must be closed prior to exiting the active area.
- 7) Cleaning out vehicles must be done in designated area, not in the active area. Vehicles must be properly locked out / tagged out in accordance to OSHA during the clean out process.
- 8) No Scavenging is allowed.
- 9) Horseplay is prohibited.

Violation of the landfill's safety policy will result a verbal or written warning explaining this policy and may result in the loss of dumping privileges.

Immediately report all accidents and injuries to landfill management.

#### **B (Vacant)**

## **C Construction**

*Supplement standard spec 205.3 with the following:*

Control operations in the contaminated areas to minimize the quantity of petroleum-contaminated soil excavated.

The environmental consultant will periodically evaluate soil excavated from the petroleum-contaminated areas. The environmental consultant will evaluate excavated soil based on field-screening results, visual observations, and soil analytical results from previous environmental investigations. Assist the environmental consultant in collecting soil samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 15 cubic yards excavated.

On the basis of the results of such field-screening, the material will be designated as follows:

- Excavation Common consisting of clean soil and/or clean construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, bituminous pavement, bricks, building stone, and unpainted or untreated wood), which under NR 500.08 are exempt materials, or
- Low-level petroleum-contaminated soil for reuse as fill within the construction limits, or
- Petroleum-contaminated soil for bioremediation and disposal at the WDNR-licensed bioremediation and landfill facility, or
- Potentially contaminated material for temporary stockpiling and additional characterization prior to disposal

Some material may require additional characterization prior to disposal. Provide for the temporary stockpiling of up to 100 cubic yards of contaminated material on-site that require additional characterization. Construct and maintain a temporary stockpile of the material in accordance to NR 718.05(3), including, but not limited to, placement of the contaminated soil on an impervious surface and covering the stockpile with impervious material to prevent infiltration of precipitation. The department's environmental consultant will collect representative samples of the stockpiled material, laboratory-analyze the samples, and advise the contractor, within 10 business days of the construction of the stockpile, of disposal requirements. The stockpiled material shall be disposed either at the DNR-licensed bioremediation and landfill facility by the contractor or, if characterized as hazardous waste, by others. As an alternative to temporarily stockpiling contaminated material that requires additional characterization, the contractor has the option of suspending excavation in those areas where such material is encountered until such time as characterization is completed.

Directly load and haul soils designated by the environmental consultant for offsite treatment and disposal at the DNR approved facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of petroleum-contaminated soils or residues. Prior to transport, sufficiently dewater soils designated for off-site treatment and disposal so as not to contain free liquids.

It is likely that dewatering will be required during construction of utilities. Based on laboratory results of groundwater samples collected from monitoring wells, water generated during dewatering operations should be permitted to discharge to the surface, except in the following areas which may be contaminated above surface water discharge limits:

1. **Site 1:** Station 282+40 to 283+15 from reference line to the construction limits on the right.
2. **Site 9:** Station 297+15 to 297+75, from reference line to the construction limits on the right.

The City of Mauston's wastewater treatment plant will accept petroleum-contaminated groundwater via discharge to the sanitary sewer if the rate at which the water is pumped into the sanitary sewer is less than or equal to 100 gallons per minute (gpm) and the city is contacted prior to discharge.

To coordinate with the city prior to discharge, contact:

Name:	Rob Nelson, Director of Public Works
Address:	1260 North Road, Mauston, WI 53948
Phone:	(608) 847-4070
Fax:	(608) 847-4870
Email:	<a href="mailto:rmelson@mauston.com">rmelson@mauston.com</a>

If dewatering is required in the contaminated areas mentioned above, and the water is not discharged to the sanitary sewer, then means and methods together with dewatering pumping rates will impact the characterization of discharged groundwater and requirements for treatment and disposal. The DNR's concurrence with plans to accomplish dewatering will be required and will include limits on impacted water that can be discharged to the surface. Pump tests with sampling and laboratory analysis of water generated during dewatering operations in the areas listed above will likely be required. If water is discharged to surface, meet all applicable requirements of the Wisconsin Pollution Discharge Elimination System (WPDES) General Permit for Discharge of Petroleum Contaminated Groundwater from Remedial Action Operations. This includes, but is not limited to, pretreatment of water, if required, in order to meet WPDES discharge requirements. Perform all necessary monitoring to document compliance with WPDES requirements. Furnish, install, operate, maintain, disassemble, and remove treatment equipment necessary to comply with WPDES requirements.

Ensure continuous dewatering and excavation safety at all times for all dewatering methods. Provide, operate, and maintain adequate pumping equipment and drainage and disposal facilities. Notify the engineer of any dewatering activities, and obtain any permits necessary to discharge water. Provide copies of such permits to the engineer. Meet any requirements and pay any costs for obtaining and complying with such permit use. Follow all applicable legislative statutes, judiciary decisions, and regulations of the State of Wisconsin.

**D Measurement**

The department will measure Excavation, Segregation, Hauling, and Disposal of Contaminated Soil and Groundwater in tons, accepted by the bioremediation and landfill facility as documented by weight tickets generated by the bioremediation and landfill facility. The management of petroleum-contaminated groundwater shall be considered incidental to other items in the contract.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.01	Excavation, Segregation, Hauling, and Disposal of Contaminated Soil and Groundwater	Ton

Payment is full compensation for excavating, segregating, loading, hauling, and treatment via bioremediation of petroleum-contaminated soil; obtaining solid waste collection and transportation service operating licenses; assisting in the collection of soil samples for field evaluation; and for dewatering of soils prior to transport, if necessary.

**62. Imported Granular Backfill, SPV.0195.02; Special Trench Backfill, SPV.0195.03.**

**A Description**

This special provision describes granular backfill and special trench backfill in accordance to the “City of Mauston’s Standard Sanitary Sewer and Water Specifications for WisDOT Let Projects, July 2014.”

**B (Vacant)**

**C (Vacant)**

**D Measurement**

The department will measure Imported Granular Backfill and Special Trench Backfill by the ton, 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.0195.02	Granular Backfill Special	TON
SPV.0195.03	Special Trench Backfill	TON

Payment is full compensation for furnishing all work herein specified in accordance to the “City of Mauston’s Standard Sanitary Sewer and Water Specifications for WisDOT Let Projects, July 2014”, and for furnishing all labor, tools, equipment and incidentals to complete the work separately.



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**ADDITIONAL SPECIAL PROVISION 1 (ASP 1)  
FOR TRANSPORTATION ALLIANCE FOR NEW SOLUTIONS (TrANS)  
PROGRAM EMPLOYMENT PLACEMENTS AND APPRENTICESHIPS**

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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   3   (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 1 (number) TrANS Apprentice(s) be utilized on this contract.

- 3) The maximum duration of reimbursement is two years as a TrANS graduate plus time in apprentice status.
- 4) If a TrANS program is not available in the contractor's area and another training program is utilized, payment of On-the-Job Training hours may be approved by the Wisconsin Department of Transportation (WisDOT) if the training program meets the established acceptance criteria. Only On-the-Job Training Hours accumulated after WisDOT approval will be reimbursed as specified under Items ASP.1T0G and ASP.1T0A. For more information, contact the Disadvantaged Business Enterprise Office at the phone numbers listed above.
- 5) WisDOT reserves the right to deny payments under items ASP.1T0G and ASP.1T0A if the contractor either fails to provide training or there is evidence of a lack of good faith in meeting the requirements of this training special provision.

## ***I. RATIONALE AND SPECIAL NOTE***

The \$5.00 per hour now being paid for TrANS placements is intended to cover the duration of two years to allow for reaching entry-level laborer status. An additional incentive, the \$5.00 rate, would promote movement into the underutilized skilled trades' apprenticeships and applies until the individual completes their apprenticeship. These incentives benefit TrANS candidates by giving them a better opportunity to enter a skilled trade; benefits contractors who will be assisted in meeting their EEO profiles and goals; and benefits the public who will see the program reinforce larger public-private employment reform in Wisconsin. The pool of TrANS graduates was created for the purpose of addressing underutilization in the skilled trades, an objective that is further reinforced by a parallel retention pilot program, known as the Companywide Reporting. *Whether or not reimbursement is involved, the WisDOT reassures contractors who are in the Companywide Program that TrANS placements still contribute toward fulfilling the new hire goal of 50% women and minorities.* Based on data administered by United States Department of Labor (US DOL), the highway skilled trades remain underutilized for women statewide (less than 6.9%); and for minorities in all counties (% varies by county).

NOTE: *Unless using other advancement strategies, contractors are encouraged to use some or all of this monetary incentive to offset the cut in hourly wages an individual may incur when entering an apprenticeship if the full general laborer hourly rate has been previously paid. No special accounting measures are required.*

## ***II. IMPLEMENTATION***

The implementation of ASP 1 is intended to cover only the amount of time it takes for underutilization to be resolved across the trades. This will be measured annually at the county and/or state levels using data administered by WisDWD in relation to goals set by the USDOL-

OFCCP. With appropriate state and federal approvals, we may also do some measurement at the company level.

It is the contractor's responsibility to note on their Certified Payrolls if their employee is a TrANS graduate or a TrANS apprentice. The District EEO Coordinators utilize the information on the Certified Payrolls to track the hours accumulated by TrANS Graduates and TrANS apprentices on WisDOT contracts. Payment under this ASP 1 is made based on the hours recorded off of the Certified Payrolls. Tracking may eventually include improved linkages with the WisDWD apprentice database, information from company and committee level sources.

TrANS is nondiscriminatory by regulation, and is a tool for optional use by contractors to address the underutilization of women and minorities as laborers and apprentices in our industry's skilled trades.

#### **IV. TRANS TRAINING**

As part of the contractor's equal employment opportunity affirmative action program, training shall be provided to employees enrolled in apprenticeship and on-the-job training programs as follows:

The contractor shall provide on-the-job training aimed at developing full journey workers in the type of trade or job classifications involved. In the event the contractor subcontracts a portion of the contract work, the contractor shall determine how many, if any, of the trainees are to be trained by the subcontractor provided, however, that the contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The contractor shall also insure that this training special provision is made applicable to such subcontract.

Training and upgrading of minorities and women toward journey workers status is a primary objective of this training special provision. Accordingly, the contractor shall make every effort to enroll minority trainees and women (e.g., by conducting systematic and direct recruitment through public and private sources likely to yield minority trainees and women trainees); to the extent such persons are available within a reasonable area of recruitment. The contractor will be given an opportunity and will be responsible for demonstrating the steps that they have taken in pursuance thereof, prior to determination as to whether the contractor is in compliance with this training special provision. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journey workers status or in which they have been employed as a journey worker. The contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used, the contractor's records should document the findings in each case.

#### **V. APPRENTICESHIP TRAINING**

The Federal Highway Administration's (FHWA) policy is to require full use of all available training and skill improvement opportunities to assure increased participation of minority groups, disadvantaged persons and women in all phases of the highway construction industry. The FHWA On-the-Job Training (OJT) Program requires the State transportation agencies (STAs) to establish apprenticeships and training programs targeted to move women, minorities, and disadvantaged individuals into journey-level positions to ensure that a competent workforce is available to meet highway construction hiring needs, and to address the historical underrepresentation of members of these groups in highway construction skilled crafts.

The OJT Supportive Services (OJT/SS) Program was established in Title 23 Code of Federal Regulations (CFR), Part 230) to supplement the OJT program and support STA training programs by providing services to highway construction contractors and assistance to highway construction apprentices and trainees. The primary objectives of OJT/SS are:

- (1) To increase the overall effectiveness of the State highway agencies' approved training programs.
- (2) To seek other ways to increase the training opportunities for women, minorities, and disadvantaged individuals.

The STAs are responsible for establishing procedures, subject to the availability of Surface Transportation and Bridge Funds under 23 U.S.C. §140(b) (Nondiscrimination), for the provision of supportive services with respect to training programs approved under 23 CFR, Part 230(a) (Equal Employment Opportunity on Federal and Federal-aid Construction Contracts – including Supportive Services).

The contractor and subcontractor shall maintain records to demonstrate compliance with these apprenticeship requirements. Reasonable exemptions and modifications to and from any or all of these requirements will be determined by the Wisconsin Department of Transportation-Civil Rights Office. A request for an exemption or modification, with justification, shall be made in writing, addressed to WisDOT Civil Rights Office, 4802 Sheboygan Avenue, P.O. Box 7965, Rm. 451, Madison, WI 53707.

### ADDITIONAL SPECIAL PROVISION 3 DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

#### 1. Description

##### General

- a. The disadvantaged business enterprise (DBE) requirements of 49 CFR Part 26 apply to this contract. The department's DBE goal is shown on the cover of the bidding proposal. The contractor can meet the specified contract DBE goal by procuring services or materials from a DBE or by subcontracting work to a DBE. The department calculates the DBE participation as the dollar value of DBE participation included in the bid expressed as a percentage of the total contract bid amount.
- b. Under the contract, the contractor agrees to provide the assistance to participating DBE's in the following areas:
  - i. Produce accurate and complete quotes.
  - ii. Understand highway plans applicable to their work.
  - iii. Understand specifications and contract requirements applicable to their work.
  - iv. Understand contracting reporting requirements.
- c. The department encourages the contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts.
- d. For information on the disadvantaged business program, visit the department's Civil Rights and Compliance Section website at:

<http://www.dot.wisconsin.gov/business/engrserv/dbe-main.htm>

#### 2. Definitions

- a. Interpret these terms, used throughout this additional special provision, as follows:
  - i. **Bid Percentage:** The DBE percentage indicated in the bidding proposal at the time of bid.
  - ii. **DBE:** A disadvantaged business enterprise (DBE) certified as a DBE by the department and included on the department's list of certified DBE's who are determined to be ready, willing and able.
  - iii. **DBE goal:** The amount of DBE participation expected in the contract as shown on the cover of the Highway Work Proposal.
  - iv. **Discretionary Goal:** A contractor assigned DBE goal, typically abbreviated as "Disc" on the cover of the Highway Work Proposal, which is enforced as committed.
  - v. **Manufacturer:** A firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract.
  - vi. **Supplier:** A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment required under the contract are bought, kept in stock, and regularly sold or leased to the public.
  - vii. **Voluntary Achievement:** The amount of DBE participation achieved and reported in the contract in excess of the assigned goal.

#### 3. DBE Percentage Required at Bid Submission

Indicate the bid percentage (i.e. 0% through 100%) of DBE participation on the completed bidding proposal, including projects with discretionary goals. For electronic submittals, show the percentage in the miscellaneous data folder, Item 3, DBE Percent. For paper submittals, show the percentage on the sheet included after the schedule of items. By submission of the bid, the bidder contractually commits to DBE participation at or above the bid percentage, or certifies that they have utilized

comprehensive good faith efforts to solicit and utilize DBE firms to meet the DBE participation requirements of this contract proposal, and that the bid percentage is reflective of these good faith efforts. If the bidder does not indicate the bid percentage of DBE participation on the completed bidding proposal, the department will consider the bid irregular and may reject the bid.

#### **4. Department's DBE Evaluation Process**

##### **a. Documentation Submittal**

Within 10 business days after the notification of contract award, the contractor is to identify, by name, the DBE firms whose utilization is intended to satisfy this provision, the items of work of the DBE subcontract or supply agreement and the dollar value of those items of work by completing the Commitment to Subcontract to DBE Form [DT1506] and all necessary attachment A forms, as well as, Good Faith Waiver Form [DT1202] and supporting documentation as necessary. If the contractor fails to furnish the required forms within the specified time, the department may cancel the award. Delay in fulfilling this requirement is not a cause for extension of the contract time and shall not be used as a tool to delay execution.

##### **i. Bidder Meets DBE Goal**

If the bidder indicates that the contract DBE goal is met, after award and before execution, the department will evaluate the Commitment to Subcontract to DBE Form DT1506 and attachment A(s) to verify the actual DBE percentage achieved. If the DBE commitment is verified, the contract is eligible for execution with respect to the DBE commitment.

##### **ii. Bidder Does Not Meet DBE Goal**

- (1) If the bidder indicates a bid percentage on the Commitment to Subcontract to DBE Form [DT1506] that does not meet the contract DBE goal, the bidder must submit a Good Faith Waiver Form [DT1202] and supporting documentation. After award and before execution, the department will evaluate the bidder's DBE commitment and consider the bidder's good faith waiver request.
- (2) The department will review the bidder's good faith waiver request and notify the bidder of one of the following:
  - a. If the department grants a good faith waiver, the bid is eligible for contract execution with respect to DBE commitment.
  - b. If the department rejects the good faith waiver request, the department may declare the bid ineligible for execution. The department will provide a written explanation of why the good faith waiver request was rejected. The bidder may appeal the department's rejection as allowed under 7 a. & b.

#### **5. Department's Criteria for Good Faith Effort**

The Code of Federal Regulations {CFR}, 49 CFR Part 26-Appendix A, is the guiding regulation concerning good faith efforts. However, the federal regulations do not define "good faith" but states that bidder must actively and aggressively attempt to meet the goal. The federal regulations are general and do not include every factor or effort that can be considered. As a result, each state must establish its own processes and consider the factors established in its own process when making a determination of good faith.

- a. The department will only grant a good faith waiver if the bidder has made the effort, given the relevant circumstances under the contract that a bidder actively and aggressively seeking to meet the goal would make. The department will evaluate the bidder's good faith effort to determine whether a good faith waiver will be granted. The bidder must demonstrate, on the DT1202 that they have aggressively solicited DBE participation in an attempt to meet the contract DBE goal and attaining the stated DBE goal is not feasible.

- b. The department, in conjunction with industry stakeholders, has developed the following guidance for contractor good faith effort. The guidance and the attached appendices provide a framework for the actions required by all parties in the processing and evaluation of bidder's total efforts to achieve the project specific DBE goal prior to the bid letting date.
- c. Prime Contractors should:
  - i. Document all efforts and decisions made toward achieving the DBE goal on the contract. The bidder should use the Civil Rights & Compliance System [CRCS] and related WisDOT-approved DBE outreach tools, including the Bid Express Small Business Network, to foster DBE participation on all applicable contracts.
  - ii. Request quotes by identifying potential items to subcontract and solicit. Prime contractors are strongly encouraged to include in their initial contacts a single page including a detailed list of items for which they are accepting quotes, by project, within a letting. *See attached sample entitled "Sample Contractor Solicitation Letter" in Appendix A.* Prime contractors should also indicate a willingness to accept quotes in areas they are planning to perform themselves, **as required by federal rules**. In some cases, it might be appropriate to use DBE's to do work in a prime contractor's area of specialization.
    - (1) Solicit quotes through all reasonable and available means from certified DBE firms who match 'possible items to subcontract' and send copies to DBESS office, highlighting areas in which you are seeking quotes. Email is acceptable.
    - (2) SBN is the preferred outreach tool. <https://www.bidx.com/wi/main>. Other acceptable means include postal mail, email, fax, phone call.
      - a. Primes must ask DBE firms for a response in their solicitations. *See Sample Contractors Solicitation Letter* in Appendix. This letter can be included as an attachment to the SBN sub-quote request.
      - b. Solicit quotes at least 10 calendar days prior to the letting date {ideally two Fridays before the letting} to allow DBE firms sufficient time to respond. Prime contractors should contact DBE firms early, asking them if they need help in putting together a quote, or helping to arrange for equipment needs, or solve other problems.
    - (3) Second solicitation should take place within 5 days
      - a. An email solicitation is highly recommended for this second solicitation
    - (4) Upon request, provide interested DBE firms with adequate information about plans, specifications and the requirements of the contract by letter, information session, email, phone call and/or referral.
    - (5) When potential exists, advise interested DBE firms on how to obtain bonding, line of credit or insurance as may be requested.
    - (6) Document DBE firm's interest in quoting by taking appropriate steps to follow up initial solicitation with:
      - a. Email to all prospective DBE firms in relevant work areas
      - b. Phone call log to DBE firms who express interest via written response or call.
      - c. Fax/letter confirmation
      - d. Copy of the DBE quotes
      - e. Signed copy of Bid Express SBN Record of Subcontractor Outreach Effort.
- d. Evaluate DBE quotes as documentation is critical if the prime does not utilize the DBE firm's quote for any reason.
  - i. Evaluate DBE firm's capability to perform 'possible items to subcontract' using legitimate reasons, including but not limited to, **a discussion with the DBE firm** regarding its

- capabilities prior to the bid letting. If lack of capacity is your reason for not utilizing the DBE quote, you are required to contact the DBE directly regarding their ability to perform the work indicated in the UCP directory as their work area [NAICS code]; only the work area and/or NAICS code listed in the UCP directory will be counted for DBE credit. Documentation of the conversation is required.
- ii. In striving to meet a DBE conscious contract goal, prime contractors are expected to use DBE quotes that are responsive and reasonable. This includes DBE quotes that are not the low quote.
  - iii. **Special Circumstance:** Evaluation of DBE quotes with tied bid items. "Tied quotes are the condition in which a subcontractor submits quotes including multiple areas of expertise across multiple work areas noting that the items and price are tied. Typically this type of quoting represents a cost saving to the prime but is not clearly stated as a discount; tied quotes are usually presented as 'all or none' quote to the prime." When non-DBE subcontractors submit tied bid items in their quotes to the prime, the DBE firms' quote may seem not competitive. In such a case, the following steps are taken in comparing the relevant quotes. These are qualitative examples.
    - (1) Compare bid items common to both quotes, noting the reasonableness in the price comparison.
    - (2) Review quotes from other firms for the bid items not quoted by the DBE firm to see if combining both can provide the same competitive advantage that the tied bid items offered.
- e. After notification of contract award, submit '**Commitment to Subcontract**' form within the time period specified in the contract.
    - i. Provide the following information along with department form DT1202:
      - (1) The names, addresses, e-mail addresses, telephone numbers of DBE's contacted. The dates of both initial and follow-up contact. A printed copy of SBN solicitation is acceptable.
      - (2) A description of information provided to the DBE's regarding the plans, specifications, and estimated quantities for portions of the work to be performed by that DBE.
      - (3) Photocopies or electronic copies of all written solicitations to DBE's.
      - (4) Documentation of each quote received from a DBE and, if rejected, the reason for that rejection.
      - (5) Bidder attendance at any pre-solicitation or pre-bid meetings the department held to inform DBE's of participation opportunities available on the project.
  - f. The department's DBE Support Services Office is available by phone, email or in writing to request assistance in meeting the DBE goal:

DBE Support Services Office  
6150 Fond du Lac Ave.  
Milwaukee, WI 53218  
Phone: 414-438-4583 / 608-266-6961  
Fax: 414-438-5392  
E-mail: [DOTDBESupportServices@dot.wi.gov](mailto:DOTDBESupportServices@dot.wi.gov)

## 6. Bidder's Appeal Process

- a. A bidder can appeal the department's decision to deny the bidder's good faith waiver request. The bidder must provide written documentation refuting the specific reasons for rejection as stated in the department's rejection notice. The bidder may meet in person with the department if so



requested. Failure to appeal within 7 calendar days after receiving the department's written notice of rejection of a good faith waiver request under constitutes a forfeiture of the bidder's right of appeal. If the bidder does not appeal, the department may declare the bid ineligible for execution.

- b. The department will appoint a representative, who did not participate in the original determination, to assess the bidder's appeal. The department will issue a written decision within 7 calendar days after the bidder presents all written and oral testimony. In that written decision, the department will explain the basis for finding that the bidder did or did not meet the contract DBE goal or make an adequate good faith effort to meet the contract DBE goal. The department's decision is final. If the department finds that the bidder did not meet the contract DBE goal or did not make adequate efforts to meet the DBE goal, the department may declare the bid ineligible for execution.

## **7. Department's Criteria for DBE Participation**

### **Department's DBE List**

- a. The department maintains a DBE list on the department's website at <http://app.mylcm.com/wisdot/Reports/WisDotUCPDirectory.aspx>
- b. The DBE office is also available to assist at 414-438-4583 or 608-266-6961.

## **8. Counting DBE Participation**

### **Assessing DBE Work**

- a. The department will only count the DBE usage towards the contract DBE goal if the DBE firm is certified as a DBE by one of the unified certification program agencies. If a firm becomes DBE certified before entering into a subcontract, the department may consider that DBE usage towards the contract goal. The department only counts the value of the work a DBE actually performs towards the DBE goal. The department assesses the DBE work as follows:
- b. The department counts work performed by the DBE's own resources. The department includes the cost of materials and supplies the DBE obtains for the work. The department also includes the cost of equipment the DBE leases for the work. The department will not include the cost of materials, supplies, or equipment the DBE purchases or leases from the prime contractor or its affiliate, except the department will count non-project specific leases the DBE has in place before the work is advertised.
- c. The department counts fees and commissions the DBE charges for providing a bona fide professional, technical, consultant, or managerial services. The department also counts fees and commissions the DBE charges for providing bonds or insurance. The department will only count costs the engineer deems reasonable based on experience or prevailing market rates.
- d. If a DBE subcontracts work, the department counts the value of the subcontracted work only if the DBE's subcontractor is also a DBE.
- e. The contractor shall maintain records and may be required to furnish periodic reports documenting its performance under this item.
- f. It is the prime contractor's responsibility to determine the DBE's ability to perform the work with the use of the UCP directory.

## **9. Commercially Useful Function**

- a. The department counts expenditures of a DBE toward the DBE goal only if the DBE is performing a commercially useful function on that contract.
- b. A DBE is performing a commercially useful function if the following conditions are met:
- c. For contract work, the DBE is responsible for executing a distinct portion of the contract work and it is carrying out its responsibilities by actually performing, managing, and supervising that work.
- d. For materials and supplies, the DBE is responsible for negotiating price, determining quality and quantity, ordering, and paying for those materials and supplies.

**10. Trucking**

All bidders are expected to adhere to the department's current trucking policy posted on the HCCI website at

<http://www.dot.wisconsin.gov/business/engrserv/docs/dbe-trucking-notice.pdf>

**11. Manufacturers and Suppliers**

The department counts material and supplies a DBE provides under the contract. The department will give full credit toward the DBE goal if the DBE is a manufacturer of those materials or supplies. The department will give 60 percent credit toward the DBE goal if the DBE is merely a supplier of those materials or supplies. It is the bidder's responsibility to find out if the DBE is considered a supplier or a manufacturer before listing them on Commitment to Subcontract to DBE form DT1506.

**12. DBE Prime**

If the prime contractor is a DBE, the department will only count the work the contractor performs with its own forces, the work DBE subcontractors perform, and the work DBE suppliers or manufacturers perform.

**13. Joint Venture**

If a DBE performs as a participant in a joint venture, the department will only count that portion of the total dollar value of the contract equal to that portion of the work that the DBE performs with its own forces.

**14. Mentor Protégé**

- a. If a DBE performs as a participant in a mentor protégé agreement, the department will credit the portion of the work performed by the DBE protégé firm
- b. On every other project that the mentor protégé team identifies itself on.
- c. For no more than one half of the total contracted DBE goal on any WisDOT project.

**15. DBE Replacement**

In the event a Prime Contractor needs to replace a DBE firm originally listed on the approved DBE Commitment Form DT1506, the Prime Contractor must comply with the department's DBE Replacement Policy located on the DBE page on the following web site:

<http://www.dot.wi.gov/business/dbe/docs/policyreplacingdbe.pdf>

**16. Changes to the approved DBE Commitment Form DT1506**

If there are any changes to the approved Commitment to Subcontract to DBE Form DT1506, the prime contractor must submit a revised DBE Commitment Form DT1506 and relevant attachment A(s) to the DBE Programs Office within 5 business days.

**17. Contract Modifications**

When additional opportunity is available by contract modifications, the Prime Contractor shall utilize DBE Subcontractors, that were committed to equal work items, in the original contract.

**18. Payment**

Costs for conforming to this Additional Special Provision (ASP) and any associated DBE requirements are incidental to the contract.

**APPENDIX A**  
**Sample Contractor Solicitation Letter Page 1**  
*This sample is provided as a guide not a requirement*

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GFW SAMPLE MEMORANDUM

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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

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Our company is considering bidding on the projects indicated on the next page, as a prime and/or a subcontractor for the Wisconsin Department of Transportation Month- date -year Letting. Page 2 lists the projects and work items that we may subcontract for this letting. We are interested in obtaining subcontractor quotes for these projects and work categories. Also note that we are willing to accept quotes in areas we may be planning to perform ourselves as required by federal rules.

Please review page 2, respond whether you plan to quote, highlight the projects and work items you are interested in performing and return it via fax or email within 3 days. Plans, specifications and addenda are available through WisDOT at the DBE Support Services office or at the Highway Construction Contract Information (HCCI) site at <http://roadwaystandards.dot.wi.gov/hcci/>

Your quote should include all of the costs required to complete the items you propose to perform including labor, equipment, material, and related bonding or insurance. The quote should note items that you are DBE certified to perform, tied items, and any special terms. Page 2, with the indicated projects and items you plan to quote, should be used as a cover sheet for your quote.

Please make every effort to have your quotes into our office by time deadline the prior to the letting date. **Make sure the correct letting date, project ID and proposal number, unit price and extension are included in your quote.** We prefer quotes be sent via SBN but prime's alternative's are acceptable. Our office hours are include hours and days. Please call our office as soon as possible prior to the letting if you need information/clarification to prepare your quote at contact number.

If you wish to discuss or evaluate your quote in more detail, contact us after the contract is awarded. Status of the contract can be checked at WisDOT's HCCI site at <http://roadwaystandards.dot.wi.gov/hcci/>

All questions should be directed to:

Project Manager, John Doe,  
Phone: (000) 123-4567  
Email: [Joe@joetheplumber.com](mailto:Joe@joetheplumber.com)  
Fax: (000) 123- 4657

## Sample Contractor Solicitation Letter Page 2

*This sample is provided as a guide not a requirement*

### REQUEST FOR QUOTATION

Prime's Name: \_\_\_\_\_

Letting Date: \_\_\_\_\_

Project ID: \_\_\_\_\_

**Please check all that apply**

- .. Yes, we will be quoting on the projects and items listed below
- .. No, we are not interested in quoting on the letting or its items referenced below
- .. Please take our name off your monthly DBE contact list
- .. We have questions about quoting this letting. Please have some one contact me at this number

**Prime Contractor 's Contact Person**

Phone: _____
Fax: _____
Email: _____
_____

**DBE Contractor Contact Person**

Phone _____
Fax _____
Email _____
_____

**Please circle the jobs and items you will be quoting below**

Proposal No.	1	2	3	4	5	6	7
County							

**WORK DESCRIPTION:**

Clear and Grub	X		X	X		X	X
Dump Truck Hauling	X		X	X		X	X
Curb & Gutter/Sidewalk, Etc.	X		X	X		X	X
Erosion Control Items	X		X	X		X	X
Signs and Posts/Markers	X		X	X		X	X
Traffic Control		X	X	X		X	X
Electrical Work/Traffic Signals		X	X	X		X	
Pavement Marking		X	X	X	X	X	X
Sawing Pavement		X	X	X	X	X	X
QMP, Base	X	X		X	X	X	X
Pipe Underdrain	X			X			
Beam Guard				X	X	X	X
Concrete Staining							X
Trees/Shrubs	X						X

Again please make every effort to have your quotes into our office by time deadline prior to the letting date.

We prefer quotes be sent via SBN but prime's preferred alternative's are acceptable.

If there are further questions please direct them to the prime contractor's contact person at phone number.

**APPENDIX B**  
**BEST PRACTICES FOR PRIME CONTRACTOR & DBE**  
**SUBCONTRACTOR GOOD FAITH EFFORT**

*This list is not a set of requirements; it is a list of potential strategies*

**Primes**

- 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 an per-item basis as well.
  - b. Create an unsolicited sub-quote that lists the items from a proposal that you want to quote, include pricing, terms and conditions, and send it to selected prime/plan holder
  - c. Add attachments to a sub-quote
  - d. Add unsolicited work items to sub-quotes that you are responding to
5. Easy Access to Valuable Information
  - a. Receive a confirmation that your sub-quote was opened by a prime
  - b. View Bid Tab Analysis data from past bids, including the high, average and low prices of items.
  - c. View important notices and publications from DOT targeted to small and disadvantaged businesses
6. Accessing Small Business Network for WisDOT contracting opportunities
  - a. If you are a contractor not yet subscribing to the Bid Express service, go to **www.bidx.com** and select "Order Bid Express." The Small Business Network is a part of the Bid Express Basic Service.
  - b. DBE firms can request a Bid Express Small Business Network Account at no cost by calling 414-438-4588

## **ADDITIONAL SPECIAL PROVISION 4**

### **Payment to First-Tier Subcontractors**

Within 10 calendar days of receiving a progress payment for work completed by a subcontractor, pay the subcontractor for that work. The prime contractor may withhold payment to a subcontractor if, within 10 calendar days of receipt of that progress payment, the prime contractor provides written notification to the subcontractor and the department documenting "just cause" for withholding payment.

The prime contractor may also withhold routine retainage from payments due subcontractors.

### **Payment to Lower-Tier Subcontractors**

Ensure that subcontracting agreements at all tiers provide prompt payment rights to lower-tier subcontractors that parallel those granted first-tier subcontractors in this provision.

### **Release of Routine Retainage**

After granting substantial completion the department may reduce the routine retainage withheld from the prime contractor to 75 percent of the original total amount retained.

When the Department sends the semi-final estimate the department may reduce the routine retainage withheld from the prime contractor to 10 percent of the original total amount retained.

Within 30 calendar days of receiving the semi-final estimate from the department, submit written certification that subcontractors at all tiers are paid in full for acceptably completed work and that no routine retainage is being withheld. The department will pay the prime contractor in full and reduce the routine retainage withheld from the prime contractor to zero when the department approves the final estimate.

This special provision does not limit the right of the department, prime contractor, or subcontractors at any tier to withhold payment for work not acceptably completed or work subject to an unresolved contract dispute.



## ADDITIONAL SPECIAL PROVISION 6

### ASP 6 - Modifications to the standard specifications

Make the following revisions to the standard specifications:

---

#### 450.3.2.1 General

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

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

#### 450.5 Payment

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

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

#### 455.3.2.1 General

Replace paragraphs one and two with the following effective with the January 2015 letting:

- (1) Apply tack coat only when the air temperature is 32 F or more unless the engineer approves otherwise in writing. Before applying tack coat ensure that the surface is dry and reasonably free of loose dirt, dust, or other foreign matter. Do not apply if weather or surface conditions are unfavorable or before impending rains.
- (2) Use tack material of the type and grade the contract specifies. The contractor may, with the engineer's approval, dilute tack material as allowed under 455.2.4. Provide calculations using the asphalt content as-received from the supplier and subsequent contractor dilutions to show that as-placed material has 50 percent or more residual asphalt content. Apply at 0.050 to 0.070 gallons per square yard, after dilution, unless the contract designates otherwise. The engineer may adjust the application rate based on surface conditions. Limit application each day to the area the contractor expects to pave during that day.

**460.2.2.3 Aggregate Gradation Master Range**

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

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

**TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS**

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

<sup>[1]</sup> 14.5 for E-0.3 and E-3 mixes.

<sup>[2]</sup> 15.5 for E-0.3 and E-3 mixes.

**460.3.4 Cold Weather Paving**

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

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

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

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

**460.3.4.2 Cold Weather Paving Operations**

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

**460.4 Measurement**

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

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

**460.5.1 General**

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

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

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

**460.5.2.2 Disincentive for HMA Pavement Density**

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

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

**460.5.2.4 Cold Weather Paving**

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

**460.5.2.4 Cold Weather Paving**

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

**465.2 Materials**

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

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

---

**Bid Items Added**

---

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

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

---

**Errata**

---

*Make the following corrections to the standard specifications:*

---

**501.3.2.4.4 Water Reducer**

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

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



**ADDITIONAL SPECIAL PROVISION 7**

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



**ADDITIONAL SPECIAL PROVISION 9**  
**Electronic Certified Payroll Submittal**

(1) Use the department's Civil Rights Compliance System (CRCS) to submit certified payrolls electronically. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at:

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

(2) Ensure that all tiers of subcontractors, as well as all trucking firms, submit their weekly certified payrolls electronically through CRCS. These payrolls are due within seven calendar days following the close of the payroll period. Every firm providing physical labor towards completing the project is a subcontractor under this special provision.

(3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin payrolls. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Tess Mulrooney at 608-267-4489 to schedule the training.

(4) The department will reject all paper submittals of forms DT-1816 and DT-1929 for information required under this special provision. All costs for conforming to this special provision are incidental to the contract.

(5) Firms wishing to export payroll data from their computer system into CRCS should have their payroll coordinator send several sample electronic files to Tess two months before a payroll needs to be submitted. Not every contractor's payroll system is capable of producing export files. For details, see pages 17-22 of the CRCS System Background Information manual available online on the Labor, Wages, and EEO Information page at:

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

## REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

### ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

### I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

### II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

**1. Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

**2. EEO Officer:** The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

**3. Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

**4. Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

**5. Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

**6. Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

**7. Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

**8. Reasonable Accommodation for Applicants / Employees with Disabilities:** The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

**9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

#### **10. Assurance Required by 49 CFR 26.13(b):**

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

**11. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

### III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

### IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

#### 1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or



will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

## **2. Withholding**

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

## **3. Payrolls and basic records**

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.



(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

#### **4. Apprentices and trainees**

##### **a. Apprentices (programs of the USDOL).**

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

##### **b. Trainees (programs of the USDOL).**

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

**5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

**6. Subcontracts.** The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

**7. Contract termination: debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

**8. Compliance with Davis-Bacon and Related Act requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

**9. Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

**10. Certification of eligibility.**

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

**V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

**1. Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

**2. Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

**3. Withholding for unpaid wages and liquidated damages.** The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

**4. Subcontracts.** The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

## VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

## VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

## VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

## **IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

## **X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

### **1. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.



i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

\* \* \* \* \*

## **2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:**

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

## **2. Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

\* \* \* \* \*

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:**

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

\* \* \* \* \*

**XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS  
PREFERENCE FOR APPALACHIAN DEVELOPMENT  
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS  
ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

SEPTEMBER 2002

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE  
EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)**

1. The Offeror's or Bidder's attention is called to the "Employment Practices" and "Equal Opportunity Clause" set forth in the Required Contract Provisions, FHWA 1273.
2. The goals and timetables for minority and female participation expressed in percentage terms for the contractor's aggregate work force in each trade, on all construction work in the covered area, are as follows:

**Goals for Minority Participation for Each Trade:**

<u>County</u>	<u>%</u>	<u>County</u>	<u>%</u>	<u>County</u>	<u>%</u>
Adams	1.7	Iowa	1.7	Polk	2.2
Ashland	1.2	Iron	1.2	Portage	0.6
Barron	0.6	Jackson	0.6	Price	0.6
Bayfield	1.2	Jefferson	7.0	Racine	8.4
Brown	1.3	Juneau	0.6	Richland	1.7
Buffalo	0.6	Kenosha	3.0	Rock	3.1
Burnett	2.2	Kewaunee	1.0	Rusk	0.6
Calumet	0.9	La Crosse	0.9	St. Croix	2.9
Chippewa	0.5	Lafayette	0.5	Sauk	1.7
Clark	0.6	Langlade	0.6	Sawyer	0.6
Columbia	1.7	Lincoln	0.6	Shawano	1.0
Crawford	0.5	Manitowoc	1.0	Sheboygan	7.0
Dane	2.2	Marathon	0.6	Taylor	0.6
Dodge	7.0	Marinette	1.0	Trempealeau	0.6
Door	1.0	Marquette	1.7	Vernon	0.6
Douglas	1.0	Menominee	1.0	Vilas	0.6
Dunn	0.6	Milwaukee	8.0	Walworth	7.0
Eau Claire	0.5	Monroe	0.6	Washburn	0.6
Florence	1.0	Oconto	1.0	Washington	8.0
Fond du Lac	1.0	Oneida	0.6	Waukesha	8.0
Forest	1.0	Outagamie	0.9	Waupaca	1.0
Grant	0.5	Ozaukee	8.0	Waushara	1.0
Green	1.7	Pepin	0.6	Winnebago	0.9
Green Lake	1.0	Pierce	2.2	Wood	0.6



**Goals for female participation for each trade: 6.9%**

These goals are applicable to all the contractor's construction work, (whether or not it is federal or federally assisted), performed in the covered area. If the contractor performs construction work in the geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The contractor's compliance with the Executive Order and the Regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project for the sole purpose of meeting the contractor's goals shall be a violation of the contract, the Executive Order and the Regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor, employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

As referred to in this section, the Director means:

Director  
Office of Federal Contract Compliance Programs  
Ruess Federal Plaza  
310 W. Wisconsin Ave., Suite 1115  
Milwaukee, WI 53202

The "Employer Identification Number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.

4. As used in this notice, and in the contract resulting from solicitation, the "covered area" is the county(ies) in Wisconsin to which this proposal applies.

**APRIL 2013**

**ADDITIONAL FEDERAL-AID PROVISIONS**

**NOTICE TO ALL BIDDERS**

To report bid rigging activities call:

**1-800-424-9071**

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidding collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

**DECEMBER 2013**

**BUY AMERICA PROVISION**

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

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

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

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

**Effective with September 2004 Letting**

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

**SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS**

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

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

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

While the wage rates shown are the minimum rates required by the contract to be paid during its life, this is not a representation that labor can be obtained at these rates. It is the responsibility of bidders to inform themselves as to the local labor conditions and prospective changes or adjustments of wage rates. No increase in the contract price shall be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

Pursuant to Section 103.50 of the Wisconsin Statutes, the prevailing hours of labor have been determined to be up to 10 hours per day and 40 hours per calendar week Monday through Friday. If any laborer, worker, mechanic or truck driver is permitted or required to work more than the prevailing number of hours per day or per calendar week on this contract, they shall be paid for all hours in excess of the prevailing hours at a rate of at least one and one-half (1 1/2) times their hourly rate of pay. All work on Saturday, Sunday and the following holidays is to be paid at time and a half: (1) January 1, (2) the last Monday in May, (3) July 4, (4) the first Monday in September, (5) the fourth Thursday in November, (6) December 25, (7) the day before if January 1, July 4 or December 25 falls on a Saturday and (8) the day following if January 1, July 4 or December 25 falls on a Sunday.

All laborers, workers, mechanics and truck drivers shall be paid unconditionally not less often than once a week. Persons who own and operate their own trucks must receive the prevailing truck driver rate for the applicable type of truck (i.e. 2 axle, 3 or more axle, articulated, eculid or dumptor) he or she operates, plus an agreed upon amount for the use of his or her truck. Every owner-operator MUST be paid separately for their driving and for the use of their truck.

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

## **II. PAYROLL REQUIREMENTS**

All contractors and subcontractors must submit weekly Certified Payrolls and Compliance Statement verifying that all laborers, workers, mechanics and truck drivers working on the project have been paid the prevailing wage rates for all work performed under the contract required by Section 103.50 of the Wisconsin Statutes.

## **III. POSTINGS AT THE SITE OF THE WORK**

In addition to the required postings furnished by the Department, the contractor shall post the following in at least one conspicuous place at the site of work:

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

## **IV. WAGE RATE REDISTRIBUTION**

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

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

## **V. ADDITIONAL CLASSIFICATIONS**

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

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

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

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

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

Compiled by the State of Wisconsin - Department of Workforce Development  
for the Department of Transportation  
Pursuant to s. 103.50, Stats.  
Issued on May 1, 2014

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

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

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

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

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

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Bricklayer, Blocklayer or Stonemason	33.85	6.95	40.80
Carpenter	30.48	15.97	46.45
Cement Finisher	32.46	13.90	46.36
Electrician	32.94	19.60	52.54
Fence Erector	22.15	0.56	22.71
Ironworker	31.25	19.46	50.71
Line Constructor (Electrical)	36.13	25.42	61.55
Painter	21.87	11.37	33.24
Pavement Marking Operator	30.00	0.00	30.00
Piledriver	30.98	15.90	46.88
Roofer or Waterproofer	23.00	4.28	27.28
Teledata Technician or Installer	21.34	5.85	27.19
Tuckpointer, Caulker or Cleaner	31.34	16.37	47.71
Underwater Diver (Except on Great Lakes)	34.48	15.90	50.38
Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	34.43	15.24	49.67
Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	35.50	15.87	51.37
Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.58	40.36
Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

**TRUCK DRIVERS**

Single Axle or Two Axle	34.22	19.90	54.12
Three or More Axle	24.52	17.77	42.29



<b>TRADE OR OCCUPATION</b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
	\$	\$	\$
Future Increase(s): Add \$1.30/hr on 6/1/2014. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Articulated, Euclid, Dumptor, Off Road Material Hauler	29.27	20.40	49.67
Future Increase(s): Add \$1.75/hr on 6/1/14); Add \$1.25/hr on 6/1/15); Add \$1.30/hr on 6/1/16); Add \$1.25/hr on 6/ 1/ 17. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http:// www.dot.wi.gov/ business/ civilrights/ laborwages/ pwc. htm</a> .			
Pavement Marking Vehicle	23.31	17.13	40.44
Shadow or Pilot Vehicle	34.22	19.90	54.12
Truck Mechanic	23.31	17.13	40.44

**LABORERS**

General Laborer	29.04	14.63	43.67
Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for blaster and powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and grade specialist; Add \$.45/hr for pipelayer. DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Asbestos Abatement Worker	24.36	14.75	39.11
Landscaper	29.04	14.63	43.67
Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Flagperson or Traffic Control Person	25.67	14.63	40.30
Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	8.05	26.36
Railroad Track Laborer	17.00	3.72	20.72

**HEAVY EQUIPMENT OPERATORS**

Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100	36.72	20.40	57.12
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<b><u>TRADE OR OCCUPATION</u></b>	<b><u>HOURLY BASIC RATE OF PAY</u></b>	<b><u>HOURLY FRINGE BENEFITS</u></b>	<b><u>TOTAL</u></b>
	<b>\$</b>	<b>\$</b>	<b>\$</b>
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Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/ 1/ 2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http:// www.dot.wi.gov/ business/ civilrights/ laborwages/ pwc. htm</a> .			
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Backhoe (Track Type) Having a Mfr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/ 1/ 2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http:// www.dot.wi.gov/ business/ civilrights/ laborwages/ pwc. htm</a> .	36.22	20.40	56.62
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Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A- Frames. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/ 1/ 2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http:// www.dot.wi.gov/ business/ civilrights/ laborwages/ pwc. htm</a> .	35.72	20.40	56.12
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<b><u>TRADE OR OCCUPATION</u></b>	<b><u>HOURLY BASIC RATE OF PAY</u></b>	<b><u>HOURLY FRINGE BENEFITS</u></b>	<b><u>TOTAL</u></b>
	<b>\$</b>	<b>\$</b>	<b>\$</b>
Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/ 1/ 2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http:// www.dot.wi.gov/ business/ civilrights/ laborwages/ pwc. htm</a> .	35.46	20.40	55.86
Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oilier; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/ 1/ 2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http:// www.dot.wi.gov/ business/ civilrights/ laborwages/ pwc. htm</a> .	35.17	20.40	55.57
Fiber Optic Cable Equipment.	26.69	6.42	33.11

SUPERSEDES DECISION W120120010  
U. S. DEPARTMENT OF LABOR  
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: W1150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: January 2, 2015

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits		Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler .....	\$29.04 .....	14.53			
Group 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); .....	29.14 .....	14.53			
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man .....	29.19 .....	14.53			
Group 4: Line and Grade Specialist .....	29.39 .....	14.53			
Group 5: Blaster and Powderman .....	29.24 .....	14.53			
Group 6: Flagperson; Traffic Control .....	25.67 .....	14.53			
			<u>Truck Drivers:</u>		
			1 & 2 Axles .....	25.18 .....	18.31
			Three or More Axles; Euclids, Dumptor & Articulated, Truck Mechanic .....	25.38 .....	18.31

CLASSES OF LABORER AND MECHANICS

Bricklayer .....	35.94 .....	17.05
Carpenter .....	30.48 .....	15.80
Millwright .....	32.11 .....	15.80
Piledriverman .....	30.98 .....	15.80
Ironworker .....	31.50 .....	20.03
Cement Mason/Concrete Finisher .....	31.37 .....	16.85
Electrician .....	See Page 3	
Line Construction		
Lineman .....	40.81 .....	32% + 5.00
Heavy Equipment Operator .....	38.77 .....	32% + 5.00
Equipment Operator .....	32.65 .....	32% + 5.00
Heavy Groundman Driver .....	26.78 .....	14.11
Light Groundman Driver .....	24.86 .....	13.45
Groundsman .....	22.45 .....	32% + 5.00
Painters .....	22.82 .....	11.52
Well Drilling:		
Well Driller .....	16.52 .....	3.70

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0 dated January 2, 2015.

SUPERSEDES DECISION WI20120010  
U. S. DEPARTMENT OF LABOR  
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: January 2, 2015

<u>POWER EQUIPMENT OPERATORS CLASSIFICATION:</u>	<u>Basic Hourly Rates</u>	<u>Fringe Benefits</u>	<u>POWER EQUIPMENT OPERATORS CLASSIFICATION: (Continued)</u>	<u>Basic Hourly Rates</u>	<u>Fringe Benefits</u>
Group 1: Cranes, tower cranes and derricks, with or without attachments, with a lifting capacity of over 100 tons or cranes, tower cranes and derricks with boom, leads and/or jib lengths measuring 176 feet or longer .....	\$37.72	\$20.93	(scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader hydraulic backhoe (tractor-type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller (over 5 tons); percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches and A-frames; post driver; material hoist operator. ....	\$36.72	\$20.93
Group 2: Cranes, tower cranes and derricks, with or without attachments, with a lifting capacity of 100 tons or less or cranes, tower cranes and derricks with boom, leads and/or jib lengths measuring 175 feet or less, and backhoes (excavators) having a manufacturer's rated capacity of 3 cu. yds. and over, caisson rigs, pile driver, dredge operator, dredge engineer. ....	\$37.22	\$20.93	Group 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self-propelled; tractor (mounted or towed compactors and light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint saw (multiple blade) belting machine; burlap machine; texturing machine; tractor, endloader (rubber tired) - light; jeep digger; fork lift; mulcher; launch operator; fireman; environmental burner. ....	\$36.46	\$20.93
Group 3: Mechanic or welder - heavy duty equipment, cranes with a lifting capacity of 25 tons or less, concrete breaker (manual or remote); vibrator/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pavement spreader - heavy duty (rubber tired); concrete spreader and distributor, automatic subgrader (concrete); concrete grinder and planing machine; concrete slipform curb and gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi and over); bridge paver; concrete conveyor system; concrete pump; stabilizing mixer (self propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter and grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer and scarifier; backhoes (excavators) having a manufacturers rated capacity of under 3 cu. yds.; grader or motor patrol; tractor			Group 5: Air compressor; power pack; vibratory hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; concrete proportioning plants generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; oiler; pump (over 3 inches); drilling machine helper. ....	\$36.17	\$20.93
			Group 6: Off - road material hauler with or without ejector.....	\$30.27	\$20.93
			Premium Pay: EPA Level "A" protection - \$3.00 per hour EPA Level "B" protection - \$2.00 per hour EPA Level "C" protection - \$1.00 per hours		

SUPERSEDES DECISION WI20120010  
U. S. DEPARTMENT OF LABOR  
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin

GENERAL DECISION NUMBER: WI150010

DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: January 2, 2015

LABORERS CLASSIFICATION:

Rates

Benefits

			Area 4 -	BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE (Wausauke and area south thereof), OCONTO, MENOMINEE (East of a line 6 miles West of the West boundary of Oconto County), SHAWANO (except area North of Townships of Aniwa and Hutchins) COUNTIES.
Electricians				
Area 1 .....	\$29.00	26.5%+ 9.15		
Area 2:				
Electricians.....	30.59	18.43	Area 5 -	ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Area North of the town of Wausauke), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Area North of the townships of Aniwa and Hutchins), VILAS AND WOOD COUNTIES
Area 3:				
Electrical contracts under \$130,000 .....	26.24	16.85		
Electrical contracts over \$130,000 .....	29.41	16.97		
Area 4: .....	28.50	28.75% + 9.27		
Area 5 .....	28.96	24.85% + 9.70		
Area 6 .....	35.25	19.30	Area 6 -	KENOSHA COUNTY
Area 8				
Electricians.....	31.10	24.95% + 10.41	Area 8 -	DODGE, (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington township), ROCK and WALWORTH COUNTIES
Area 9:				
Electricians.....	34.82	19.575		
Area 10 .....	29.64	20.54	Area 9 -	COLUMBIA, DANE, DODGE, (area west of Hwy. 26, except Chester & Emmet Townships), GREEN LAKE (except townships of Berlin, Seneca and St. Marie), IOWA, MARQUETTE (except townships of Neshkoka, Crystal Lake, Newton and Springfield), and SAUK COUNTIES
Area 11 .....	32.54	24.07		
Area 12 .....	32.87	19.23	Area 10 -	CALUMET (Township of New Holstein), DODGE (East of Hwy. 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES
Area 13 .....	33.93	22.67		
Teledata System Installer				
Area 14			Area 11 -	DOUGLAS COUNTY
Installer/Technician .....	22.50	12.72		
Sound & Communications			Area 12 -	RACINE (except Burlington township) COUNTY
Area 15				
Installer .....	16.47	14.84	Area 13 -	MILWAUKEE, OZAUKEE, WASHINGTON and WAUKESHA COUNTIES
Technician .....	25.63	17.21	Area 14 -	Statewide.
Area 1 -			Area 15 -	DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES.
CALUMET (except township of New Holstein), GREEN LAKE (N. part, including Townships of Berlin, St. Marie and Seneca), MARQUETTE (N. part, including Townships of Crystal Lake, Neshkoro, Newton & Springfield), OUTAGAMIE, WAUPACA, WAUSHARA and WINNEBAGO COUNTIES.				
Area 2 -				
ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Mayville, Colby, Unity, Sherman, Fremont, Lynn and Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST. CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON and WASHBURN COUNTIES				
Area 3 -				
FLORENCE (townships of Aurora, Commonwealth, Fern, Florence and Homestead), MARINETTE (Niagara township)				

**FEBRUARY 1999**

**NOTICE TO BIDDERS  
WAGE RATE DECISION**

The wage rate decision of the Secretary of Labor which has been incorporated in these advertised specifications is incomplete in that the classifications may be omitted from the Secretary of Labor's decision.

Since the bidder is responsible, independently, for ascertaining area practice with respect to the necessity, or lack of necessity, for the use of these classifications in the prosecution of the work contemplated by this project, no inference may be drawn from the omission of these classifications concerning prevailing area practices relative to their use. Further, this omission will not, per se, be construed as establishing any governmental liability for increased labor cost if it is subsequently determined that such classifications are required.

There may be omissions and/or errors in the federal wage rates. The bidder is responsible for evaluating and determining the correct applicable rate. The higher of state or federal rate will apply.





## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310010PROJECT(S):  
5880-02-72  
5880-02-73FEDERAL ID(S):  
WISC 2015120  
N/A

CONTRACTOR : \_\_\_\_\_

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

## SECTION 0001 Contract Items

0010	108.4300 RBC Progress Schedule	EACH	1.000	.	.
0020	201.0120 Clearing	ID	80.000	.	.
0030	201.0220 Grubbing	ID	80.000	.	.
0040	204.0100 Removing Pavement	SY	192.000	.	.
0050	204.0120 Removing Asphaltic Surface Milling	SY	2,220.000	.	.
0060	204.0150 Removing Curb & Gutter	LF	3,830.000	.	.
0070	204.0155 Removing Concrete Sidewalk	SY	3,669.000	.	.
0080	204.0195 Removing Concrete Bases	EACH	17.000	.	.
0090	204.0210 Removing Manholes	EACH	14.000	.	.
0100	204.0220 Removing Inlets	EACH	23.000	.	.

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REVISED:

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WISC 2015120  
N/A

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	204.0245 Removing Storm Sewer (size) 01. 12-Inch Or Less	642.000 LF	.		.	
0120	204.0245 Removing Storm Sewer (size) 02. 15 To 18-Inch	1,091.000 LF	.		.	
0130	204.0245 Removing Storm Sewer (size) 03. 36-Inch	65.000 LF	.		.	
0140	204.0245 Removing Storm Sewer (size) 04. 48-Inch	260.000 LF	.		.	
0150	204.0291.S Abandoning Sewer	0.550 CY	.		.	
0160	204.9060.S Removing (Item Description) 01. Overhead Sign Supports, Sta. 287+04 Rt.	1.000 EACH	.		.	
0170	204.9060.S Removing (Item Description) 02. Overhead Sign Supports, Sta. 289+75 Lt.	1.000 EACH	.		.	
0180	204.9060.S Removing (Item Description) 03. Overhead Sign Supports, Sta. 535+45 Rt.	1.000 EACH	.		.	
0190	204.9060.S Removing (Item Description) 04. Street Light Assembly	15.000 EACH	.		.	
0200	204.9060.S Removing (Item Description) 05. Wood Planters	2.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0210	204.9105.S Removing (Item Description) 01. Traffic Signal Equipment, State St. And Division St. Intersection	LUMP	LUMP		.	
0220	205.0100 Excavation Common	7,432.000 CY	.		.	
0230	213.0100 Finishing Roadway (project) 01. 5880-02-72	1.000 EACH	.		.	
0240	305.0110 Base Aggregate Dense 3/4-Inch	20.000 TON	.		.	
0250	305.0120 Base Aggregate Dense 1 1/4-Inch	5,355.000 TON	.		.	
0260	312.0110 Select Crushed Material	2,170.000 TON	.		.	
0270	415.0080 Concrete Pavement 8-Inch	10,498.000 SY	.		.	
0280	415.0210 Concrete Pavement Gaps	4.000 EACH	.		.	
0290	415.1080 Concrete Pavement HES 8-Inch	1,000.000 SY	.		.	
0300	416.0170 Concrete Driveway 7-Inch	570.000 SY	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0310	416.0270 Concrete Driveway HES 7-Inch	55.000 SY	.		.	
0320	416.0610 Drilled Tie Bars	40.000 EACH	.		.	
0330	416.0620 Drilled Dowel Bars	9.000 EACH	.		.	
0340	455.0120 Asphaltic Material PG64-28	22.000 TON	.		.	
0350	455.0605 Tack Coat	203.000 GAL	.		.	
0360	460.1103 Hma Pavement Type E-3	407.000 TON	.		.	
0370	460.2000 Incentive Density HMA Pavement	260.000 DOL	1.00000		260.00	
0380	465.0105 Asphaltic Surface	56.000 TON	.		.	
0390	520.8000 Concrete Collars for Pipe	2.000 EACH	.		.	
0400	601.0407 Concrete Curb & Gutter 18-Inch Type D	20.000 LF	.		.	
0410	601.0409 Concrete Curb & Gutter 30-Inch Type A	3,580.000 LF	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0420	601.0411 Concrete Curb & Gutter 30-Inch Type D	105.000 LF	.		.	
0430	601.0600 Concrete Curb Pedestrian	103.000 LF	.		.	
0440	602.0410 Concrete Sidewalk 5-Inch	22,110.000 SF	.		.	
0450	602.0505 Curb Ramp Detectable Warning Field Yellow	320.000 SF	.		.	
0460	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	1,069.000 LF	.		.	
0470	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	317.000 LF	.		.	
0480	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	552.000 LF	.		.	
0490	608.0360 Storm Sewer Pipe Reinforced Concrete Class III 60-Inch	246.000 LF	.		.	
0500	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	156.000 LF	.		.	
0510	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	43.000 LF	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0520	610.0114 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 14x23-Inch	216.000 LF	.		.	
0530	610.0148 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 48x76-Inch	50.000 LF	.		.	
0540	611.0530 Manhole Covers Type J	16.000 EACH	.		.	
0550	611.0624 Inlet Covers Type H	34.000 EACH	.		.	
0560	611.2004 Manholes 4-Ft Diameter	4.000 EACH	.		.	
0570	611.2005 Manholes 5-Ft Diameter	6.000 EACH	.		.	
0580	611.2006 Manholes 6-Ft Diameter	1.000 EACH	.		.	
0590	611.2008 Manholes 8-Ft Diameter	2.000 EACH	.		.	
0600	611.3004 Inlets 4-Ft Diameter	5.000 EACH	.		.	
0610	611.3230 Inlets 2x3-Ft	29.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0620	616.0700.S Fence Safety	3,500.000 LF	.		.	
0630	619.1000 Mobilization	1.000 EACH	.		.	
0640	624.0100 Water	85.000 MGAL	.		.	
0650	625.0100 Topsoil	280.000 SY	.		.	
0660	628.1504 Silt Fence	250.000 LF	.		.	
0670	628.1520 Silt Fence Maintenance	500.000 LF	.		.	
0680	628.1905 Mobilizations Erosion Control	9.000 EACH	.		.	
0690	628.1910 Mobilizations Emergency Erosion Control	5.000 EACH	.		.	
0700	628.7020 Inlet Protection Type D	71.000 EACH	.		.	
0710	628.7560 Tracking Pads	2.000 EACH	.		.	
0720	631.0300 Sod Water	16.000 MGAL	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0730	631.1000 Sod Lawn	280.000				
		SY	.		.	
0740	634.0616 Posts Wood 4x6-Inch X 16-FT	5.000				
		EACH	.		.	
0750	634.0814 Posts Tubular Steel 2x2-Inch X 14-FT	13.000				
		EACH	.		.	
0760	637.2210 Signs Type II Reflective H	198.260				
		SF	.		.	
0770	637.2215 Signs Type II Reflective H Folding	15.540				
		SF	.		.	
0780	638.2102 Moving Signs Type II	1.000				
		EACH	.		.	
0790	638.2602 Removing Signs Type II	43.000				
		EACH	.		.	
0800	638.3000 Removing Small Sign Supports	8.000				
		EACH	.		.	
0810	638.4000 Moving Small Sign Supports	1.000				
		EACH	.		.	
0820	641.8100 Overhead Sign Support (structure) 01. S-29-0009	LUMP	LUMP			.



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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0830	641.8100 Overhead Sign Support (structure) 02. S-29-0010	LUMP	LUMP			.
0840	642.5401 Field Office Type D	1.000 EACH	.		.	
0850	643.0100 Traffic Control (project) 01. 5880-02-72	1.000 EACH	.		.	
0860	643.0300 Traffic Control Drums	664.000 DAY	.		.	
0870	643.0420 Traffic Control Barricades Type III	7,009.000 DAY	.		.	
0880	643.0705 Traffic Control Warning Lights Type A	10,219.000 DAY	.		.	
0890	643.0900 Traffic Control Signs	6,443.000 DAY	.		.	
0900	643.1000 Traffic Control Signs Fixed Message	90.500 SF	.		.	
0910	643.1050 Traffic Control Signs PCMS	28.000 DAY	.		.	
0920	643.2000 Traffic Control Detour (project) 01. 5880-02-72	1.000 EACH	.		.	
0930	643.3000 Traffic Control Detour Signs	48,018.000 DAY	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0940	646.0106 Pavement Marking Epoxy 4-Inch	4,565.000 LF	.		.	
0950	646.0126 Pavement Marking Epoxy 8-Inch	215.000 LF	.		.	
0960	647.0166 Pavement Marking Arrows Epoxy Type 2	4.000 EACH	.		.	
0970	647.0556 Pavement Marking Stop Line Epoxy 12-Inch	200.000 LF	.		.	
0980	647.0566 Pavement Marking Stop Line Epoxy 18-Inch	95.000 LF	.		.	
0990	647.0656 Pavement Marking Parking Stall Epoxy	790.000 LF	.		.	
1000	647.0726 Pavement Marking Diagonal Epoxy 12-Inch	95.000 LF	.		.	
1010	647.0766 Pavement Marking Crosswalk Epoxy 6-Inch	985.000 LF	.		.	
1020	647.0776 Pavement Marking Crosswalk Epoxy 12-Inch	1,185.000 LF	.		.	
1030	650.4000 Construction Staking Storm Sewer	50.000 EACH	.		.	
1040	650.4500 Construction Staking Subgrade	2,010.000 LF	.		.	

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N/A

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1050	650.5500 Construction Staking Curb Gutter And Curb & Gutter	3,930.000 LF	.		.	
1060	650.7000 Construction Staking Concrete Pavement	2,010.000 LF	.		.	
1070	650.8500 Construction Staking Electrical Installations (Project) 01. 5880-02-72	LUMP	LUMP		.	
1080	650.9910 Construction Staking Supplemental Control (Project) 01. 5880-02-72	LUMP	LUMP		.	
1090	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	3,435.000 LF	.		.	
1100	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	260.000 LF	.		.	
1110	652.0325 Conduit Rigid Nonmetallic Schedule 80 2-Inch	661.000 LF	.		.	
1120	652.0335 Conduit Rigid Nonmetallic Schedule 80 3-Inch	558.000 LF	.		.	
1130	652.0800 Conduit Loop Detector	687.000 LF	.		.	
1140	653.0135 Pull Boxes Steel 24x36-Inch	4.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1150	653.0140 Pull Boxes Steel 24x42-Inch	19.000 EACH	.		.	
1160	654.0101 Concrete Bases Type 1	5.000 EACH	.		.	
1170	654.0105 Concrete Bases Type 5	23.000 EACH	.		.	
1180	654.0110 Concrete Bases Type 10	2.000 EACH	.		.	
1190	654.0217 Concrete Control Cabinet Bases Type 9 Special	1.000 EACH	.		.	
1200	654.0230 Concrete Control Cabinet Bases Type L30	1.000 EACH	.		.	
1210	655.0210 Cable Traffic Signal 3-14 Awg	144.000 LF	.		.	
1220	655.0230 Cable Traffic Signal 5-14 Awg	306.000 LF	.		.	
1230	655.0270 Cable Traffic Signal 15-14 Awg	1,065.000 LF	.		.	
1240	655.0290 Cable Traffic Signal 21-14 Awg	45.000 LF	.		.	
1250	655.0310 Cable Type Uf 2-12 Awg	429.000 LF	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1260	655.0515 Electrical Wire Traffic Signals 10 Awg	1,541.000 LF	.		.	
1270	655.0610 Electrical Wire Lighting 12 Awg	2,835.000 LF	.		.	
1280	655.0615 Electrical Wire Lighting 10 Awg	8,205.000 LF	.		.	
1290	655.0620 Electrical Wire Lighting 8 Awg	2,737.000 LF	.		.	
1300	655.0625 Electrical Wire Lighting 6 Awg	10,622.000 LF	.		.	
1310	655.0630 Electrical Wire Lighting 4 Awg	960.000 LF	.		.	
1320	655.0700 Loop Detector Lead In Cable	1,387.000 LF	.		.	
1330	655.0800 Loop Detector Wire	2,108.000 LF	.		.	
1340	656.0200 Electrical Service Meter Breaker Pedestal (Location) 01. Sta. 288+10, 38' Lt	LUMP	LUMP		.	
1350	656.0200 Electrical Service Meter Breaker Pedestal (Location) 02. Sta. 292+05, 41' Lt	LUMP	LUMP		.	

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WISC 2015120  
N/A

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1360	657.0100 Pedestal Bases	4.000				
	EACH		.		.	
1370	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	1.000				
	EACH		.		.	
1380	657.0315 Poles Type 4	1.000				
	EACH		.		.	
1390	657.0420 Traffic Signal Standards Aluminum 13-Ft	4.000				
	EACH		.		.	
1400	657.0609 Luminaire Arms Single Member 4-Inch Clamp 6-Ft	3.000				
	EACH		.		.	
1410	658.0110 Traffic Signal Face 3-12 Inch Vertical	11.000				
	EACH		.		.	
1420	658.0215 Backplates Signal Face 3 Section 12-Inch	11.000				
	EACH		.		.	
1430	658.0416 Pedestrian Signal Face 16-Inch	6.000				
	EACH		.		.	
1440	658.0500 Pedestrian Push Buttons	6.000				
	EACH		.		.	
1450	658.0600 Led Modules 12-Inch Red Ball	9.000				
	EACH		.		.	
1460	658.0605 Led Modules 12-Inch Yellow Ball	9.000				
	EACH		.		.	

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20150310010PROJECT(S):  
5880-02-72  
5880-02-73FEDERAL ID(S):  
WISC 2015120  
N/A

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1470	658.0610 Led Modules 12-Inch Green Ball	9.000 EACH	.		.	
1480	658.0615 Led Modules 12-Inch Red Arrow	2.000 EACH	.		.	
1490	658.0620 Led Modules 12-Inch Yellow Arrow	4.000 EACH	.		.	
1500	658.0635 Led Modules Pedestrian Countdown Timer 16-Inch	6.000 EACH	.		.	
1510	658.5069 Signal Mounting Hardware (Location) 01. State Street & Division Street	LUMP	LUMP		.	
1520	659.1120 Luminaires Utility Led B	3.000 EACH	.		.	
1530	690.0150 Sawing Asphalt	1,143.000 LF	.		.	
1540	690.0250 Sawing Concrete	4,860.000 LF	.		.	
1550	715.0415 Incentive Strength Concrete Pavement	3,150.000 DOL	1.00000		3150.00	
1560	999.1000.S Seismograph	LUMP	LUMP		.	

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WISC 2015120  
N/A

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1570	999.1500.S Crack And Damage Survey	LUMP	LUMP		.	
1580	ASP.1T0A On-The-Job Training Apprentice At \$5.00/Hr	1,200.000 HRS	5.00000		6000.00	
1590	ASP.1T0G On-The-Job Training Graduate At \$5. 00/Hr	990.000 HRS	5.00000		4950.00	
1600	SPV.0045 Special 01. Temporary Crosswalk Access	159.000 DAY	.		.	
1610	SPV.0060 Special 01. Utility Line Opening (Ulo)	20.000 EACH	.		.	
1620	SPV.0060 Special 02. Reconnect Storm Sewer Laterals	4.000 EACH	.		.	
1630	SPV.0060 Special 03. Roof Drain Connection	3.000 EACH	.		.	
1640	SPV.0060 Special 04. Manholes 8x8-Ft Special	3.000 EACH	.		.	
1650	SPV.0060 Special 05. Lighting Control Cabinet	1.000 EACH	.		.	
1660	SPV.0060 Special 06. Led Retrofit Lamp Assembly	10.000 EACH	.		.	



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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1670	SPV.0060 Special 07. Decorative Luminaire And Pole Assembly 15-Ft	23.000 EACH	.		.	
1680	SPV.0060 Special 08. Coring For Sign Posts	1.000 EACH	.		.	
1690	SPV.0060 Special 09. Traffic Signal Controller & Cabinet, Fully Actuated 8 Phase	1.000 EACH	.		.	
1700	SPV.0060 Special 10. Poles Type 10 Special	2.000 EACH	.		.	
1710	SPV.0060 Special 11. Monotube Arm 25-Ft Special	2.000 EACH	.		.	
1720	SPV.0060 Special 12. Hydrant, Complete	6.000 EACH	.		.	
1730	SPV.0060 Special 13. Corporation, Curb Stop, And Box, 1.5-Inch	50.000 EACH	.		.	
1740	SPV.0060 Special 14. Water Valve And Box, 6-Inch Complete	9.000 EACH	.		.	
1750	SPV.0060 Special 15. Water Valve And Box, 8-Inch Complete	17.000 EACH	.		.	
1760	SPV.0060 Special 16. Water Valve And Box, 12-Inch Complete	3.000 EACH	.		.	

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N/A

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1770	SPV.0060 Special 17. Water Tee, 6-Inch	2.000 EACH	.		.	
1780	SPV.0060 Special 18. Water Tee, 6-Inch X 8-Inch	5.000 EACH	.		.	
1790	SPV.0060 Special 19. Water Tee, 8-Inch	6.000 EACH	.		.	
1800	SPV.0060 Special 20. Water Tee, 6-Inch X 12-Inch	1.000 EACH	.		.	
1810	SPV.0060 Special 21. Water Cross, 8-Inch	1.000 EACH	.		.	
1820	SPV.0060 Special 22. Ductile Iron 6-Inch, 45-Degree Bend	6.000 EACH	.		.	
1830	SPV.0060 Special 23. Ductile Iron 6-Inch, 90-Degree Bend	1.000 EACH	.		.	
1840	SPV.0060 Special 24. Ductile Iron 8-Inch, 22. 5-Degree Bend	4.000 EACH	.		.	
1850	SPV.0060 Special 25. Ductile Iron 8-Inch, 45-Degree Bend	12.000 EACH	.		.	
1860	SPV.0060 Special 26. Ductile Iron 12-Inch, 11. 25-Degree Bend	1.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1870	SPV.0060 Special 27. Ductile Iron 12-Inch, 22. 5-Degree Bend	1.000 EACH	.		.	
1880	SPV.0060 Special 28. Ductile Iron 12-Inch, 45-Degree Bend	5.000 EACH	.		.	
1890	SPV.0060 Special 29. Water Reducer, 4-Inch X 6-Inch	1.000 EACH	.		.	
1900	SPV.0060 Special 30. Water Reducer, 6-Inch X 8-Inch	3.000 EACH	.		.	
1910	SPV.0060 Special 31. Water Reducer, 8-Inch X 12-Inch	2.000 EACH	.		.	
1920	SPV.0060 Special 32. Connect To Existing Water Main	11.000 EACH	.		.	
1930	SPV.0060 Special 33. Connect To Existing Water Service	42.000 EACH	.		.	
1940	SPV.0060 Special 34. Fluorocarbon Gaskets	70.000 EACH	.		.	
1950	SPV.0060 Special 35. Abandon Existing Water Service	8.000 EACH	.		.	
1960	SPV.0060 Special 36. Adjust Existing Water Valve Box	2.000 EACH	.		.	
1970	SPV.0060 Special 37. Type I Manhole, Complete	9.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1980	SPV.0060 Special 38. Connect To Existing Sanitary Sewer Main	5.000 EACH	.		.	
1990	SPV.0060 Special 39. Adjust And Waterproof Existing Sanitary Sewer Manhole	2.000 EACH	.		.	
2000	SPV.0060 Special 40. Abandon Existing Sanitary Sewer Lateral	27.000 EACH	.		.	
2010	SPV.0060 Special 41. Sanitary Sewer Lateral Verification	17.000 EACH	.		.	
2020	SPV.0060 Special 42. Water Main Plug, 8-Inch	3.000 EACH	.		.	
2030	SPV.0090 Special 01. Concrete Curb & Gutter 30-Inch Type A Special	225.000 LF	.		.	
2040	SPV.0090 Special 02. Concrete Curb & Gutter Hes 30-Inch Type A	360.000 LF	.		.	
2050	SPV.0090 Special 03. Storm Sewer, 8-Inch Pvc	135.000 LF	.		.	
2060	SPV.0090 Special 04. Copper Water Service, 1. 5-Inch	1,809.000 LF	.		.	
2070	SPV.0090 Special 05. Ductile Iron Water Main, 6-Inch	201.000 LF	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2080	SPV.0090 Special 06. Ductile Iron Water Main, 8-Inch	2,154.000 LF	.		.	
2090	SPV.0090 Special 07. Ductile Iron Water Main, 12-Inch	131.000 LF	.		.	
2100	SPV.0090 Special 08. Water Main Encasement	2,500.000 LF	.		.	
2110	SPV.0090 Special 09. Sanitary Sewer Lateral, 6-Inch	2,167.000 LF	.		.	
2120	SPV.0090 Special 10. Sanitary Sewer Main, 8-Inch	10.000 LF	.		.	
2130	SPV.0090 Special 11. Sanitary Sewer Main, 10-Inch	34.000 LF	.		.	
2140	SPV.0090 Special 12. Sanitary Sewer Main, 12-Inch	10.000 LF	.		.	
2150	SPV.0090 Special 13. Sanitary Sewer Main, 15-Inch	1,825.000 LF	.		.	
2160	SPV.0105 Special 01. Powder Coating Overhead Sign Structure, S-29-0009	LUMP	LUMP		.	
2170	SPV.0105 Special 02. Powder Coating Overhead Sign Structure, S-29-0010	LUMP	LUMP		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2180	SPV.0105 Special 03. Concrete Pavement Joint Layout	LUMP	LUMP		.	
2190	SPV.0105 Special 04. Traffic Signal Equipment And Hardware, Black Finish	LUMP	LUMP		.	
2200	SPV.0105 Special 05. Remove Existing Water Main And Services	LUMP	LUMP		.	
2210	SPV.0105 Special 06. Abandon Existing Water Main	LUMP	LUMP		.	
2220	SPV.0105 Special 07. Temporary Water Service	LUMP	LUMP		.	
2230	SPV.0105 Special 08. Temporary Bypass Pumping And Sewer Connections	LUMP	LUMP		.	
2240	SPV.0165 Special 01. Colored Concrete Pavement 8-Inch	SF 4,665.000	.		.	
2250	SPV.0165 Special 02. Stamped Colored Concrete Sidewalk 6-Inch	SF 11,040.000	.		.	
2260	SPV.0165 Special 03. Abandon Vault	SF 80.000	.		.	
2270	SPV.0165 Special 04. Vault Wall	SF 100.000	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2280	SPV.0165 Special 05. Abandoned Vault Wall Removal Masonry	50.000 SF	.		.	
2290	SPV.0165 Special 06. Abandoned Vault Wall Removal Reinforced Concrete 0" - 10"	50.000 SF	.		.	
2300	SPV.0165 Special 07. Abandoned Vault Wall Removal Reinforced Concrete 10"+	50.000 SF	.		.	
2310	SPV.0165 Special 08. Utility Insulation	1,212.000 SF	.		.	
2320	SPV.0180 Special 01. Shredded Hardwood Bark Mulch	45.000 SY	.		.	
2330	SPV.0195 Special 01. Excavation, Segregation, Hauling, & Disposal Of Contaminated Soil & Groundwater	600.000 TON	.		.	
2340	SPV.0195 Special 02. Imported Granular Backfill	1,500.000 TON	.		.	
2350	SPV.0195 Special 03. Special Trench Backfill	500.000 TON	.		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	





**PLEASE ATTACH SCHEDULE OF ITEMS HERE**