

HIGHWAY WORK PROPOSAL

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

Proposal Number:

Ø 7

COUNTY	STATE PROJECT ID	FEDERAL PROJECT ID	PROJECT DESCRIPTION	HIGHWAY
Monroe	5144-01-75	WISC 2018 005	IH 90-STH 16//City of Sparta River Road to STH 16	STH 27
Monroe	5144-01-76		IH 90-STH 16//City of Sparta River Road to STH 16	STH 27

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

Proposal Guaranty Required, \$ 100,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Due Date: December 12, 2017 Time (Local Time): 9:00 AM	Firm Name, Address, City, State, Zip Code
Contract Completion Time November 15, 2018	SAMPLE NOT FOR BIDDING PURPOSES
Assigned Disadvantaged Business Enterprise Goal 12 %	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 dense, asphaltic pavement, concrete pavement, pavement marking, permanent signing, lighting, traffic signals, storm sewers, culvert pipes, sanitary sewer, water main, concrete curb and gutter, concrete sidewalk.	
Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

Effective with August 2015 Letting

BID PREPARATION

Preparing the Proposal Schedule of Items

A General

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

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

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

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

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

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

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

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

B Submitting Electronic Bids

B.1 On the Internet

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

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

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

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

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

Bidder

Name

BN00

Proposals: 1, 12, 14, & 22

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

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

C Waiver of Electronic Submittal

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

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

(Signature of Attorney-in-Fact)

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

March 2010

LIST OF SUBCONTRACTORS

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

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

[illegible]

DECEMBER 2000

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

Instructions for Certification

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

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

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

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

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

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38.	Water Main Ductile Iron 6-Inch, Item SPV.0090.02; Water Main Ductile Iron 8-Inch, Item SPV.0090.03; Water Main Ductile Iron 12-Inch, Item SPV.0090.04; Sanitary Sewer Pipe PVC 8-Inch, Item SPV.0090.05; Sanitary Sewer Pipe PVC 10-Inch, Item SPV.0090.06; Sanitary Sewer Pipe PVC 15-Inch, Item SPV.0090.08; Sanitary Sewer Service 4-Inch, Item SPV.0090.09; Sanitary Sewer Service 6-Inch, Item SPV.0090.10; Water Service 1-Inch Copper, Item SPV.0090.11; Water Service 2-Inch Copper, Item SPV.0090.12.....	75
39.	Bypass Pumping and Flow Management, Item SPV.0105.03; Construction Staking Water Main, Item SPV.0105.04; Construction Staking Sanitary Sewer, Item SPV.0105.05.	76
40.	4" PVC Drain, Item SPV.0105.06.	77
41.	Ben Bikin Medallion, Item SPV.0105.07.	78
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SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for projects:

5144-01-75

STH 27, IH 90-STH16/City of Sparta, River Road to STH 16

5144-01-76

STH 27, IH 90-STH16/City of Sparta, River Road to STH 16

All located in Monroe 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, 2018 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 (20170615)

2. General Requirements for Water Main and Sanitary Sewer Main.

The sanitary sewer main work and water main work under this contract shall be performed according to the requirements of the "Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta".

A copy of these specifications is available for viewing during normal working hours at the City of Sparta office at 201 Oak Street, Sparta, Wisconsin, phone (608) 269-4340. A pdf copy of the specifications may be obtained at the office of MSA Professional Services, Inc. (MSA), 1230 South Boulevard, Baraboo, Wisconsin, 53913, phone (608) 356-2771, email: dpreskar@msa-ps.com, upon receipt of a non-refundable reproduction, shipping and handling fee of \$30.

3. Scope of Work.

Project 5144-01-75

The work under this contract shall consist of grading, base, asphaltic pavement, concrete pavement, pavement marking, permanent signing, lighting, traffic signals, storm sewer, culvert pipes, concrete curb and gutter, concrete sidewalk, topsoil and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

Project 5144-01-76

The work under this contract shall consist of grading, base, asphaltic pavement, storm sewer, sanitary sewer, water main, concrete curb and gutter, topsoil and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

4. 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.

Municipal Utilities

The existing City of Sparta sanitary sewer main and water main serve users along the existing STH 27 corridor and portions of the city to the north and west of the project. The sanitary sewer main and water main are to remain in service or the area served shall be provided with temporary service until the new water main and sanitary sewer main is installed, tested and accepted.

Sanitary sewer service shall not be interrupted. Water service interruptions to residences may not exceed 6-hours in any one given working day. Water service interruptions to retail businesses shall be limited to the time required to make temporary and final water service connections and shall be coordinated with the business so the work does not interrupt their business operations. Notification of water service interruption is required. Notify the City of Sparta Water Department and all affected water users 24 hours in advance of service interruptions. Contact Todd Hanson, Water Superintendent at (608) 269-4340 office, or (608) 633-0215 cell, for service outage coordination. Existing valves will be operated by City of Sparta staff only, unless prior arrangements have been made with city staff.

Interim Liquidated Damages**Stage 1 – Substage 1A.2**

At the beginning of the Substage 1A.2 operations, close the River Road and Roberts Road Intersection to through traffic for a maximum of 3 consecutive calendar days. Do not reopen until completing the following work:

Roberts Road and River Road:

- Public Water Utility Work
- Storm Sewer Structures and Main
- Curb and Gutter (except northeast quadrant curb radius)
- Driveway Restoration
- Asphalt Surface (Station 28+50”R” to Station 30+50”R” except northeast quadrant outside travel lanes)

If the contractor fails to complete the work necessary to reopen River Road and Roberts Road Intersection to traffic within 3 consecutive calendar days, the department will assess the contractor \$2,070 in interim liquidated damages for each working day contract work remains incomplete beyond 3 calendar days. An entire working day will be charged for any period of time within a working day that the road remains closed beyond 12:01 AM.

Stage 1 – Substage 1C

At the beginning of Substage 1C operations, close STH 27 from Station 302+95 to Station 309+00 to through traffic for a maximum of 21 consecutive calendar days. Do not reopen until completing the following work: guard rail installation from Station 302+95 to Station 305+47 and temporary pavement from Station 305+47 to Station 309+00.

If the contractor fails to complete the work necessary to reopen STH 27 to traffic within 21 consecutive calendar days, the department will assess the contractor \$2,070 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 21 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Stage 2 and 2B

At the beginning of the removal and grading operations for sidewalk on the STH 27 side of 802 W Wisconsin Street, maintain a 14’-0” driving surface (measured from face of curb of drive through lane) outside of working hours. Complete work that impacts pavement of the drive through lane within a maximum of 7 consecutive calendar days. Complete the following work prior to removing impacts on the drive through for the property:

- Concrete sidewalk on STH 27 side of 802 W Wisconsin Street
- HMA pavement restoration on 802 W Wisconsin Street property

If the contractor fails to complete the work necessary to reopen the drive through lane for 802 W Wisconsin Street to full use within 7 consecutive calendar days, the department will assess the contractor \$2,070 in interim liquidated damages for each working day contract work remains incomplete beyond 7 calendar days. An entire working day will be charged for any period of time within a working day that the road remains closed beyond 12:01 AM.

Stage 5 – Substage 5A

At the beginning of Substage 5A operations, close STH 16 from Station 102+00”EB” to Station 104+08”EB” to through traffic for a maximum of 7 consecutive calendar days. Do not reopen until completing the following work: installation of concrete pavement from Station 102+19”EB” to Station 104+08”EB”.

If the contractor fails to complete the work necessary to reopen STH 16 to traffic within 7 consecutive calendar days, the department will assess the contractor \$2,070 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 7 consecutive calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Stage 5B – Substage 5B

At the beginning of Substage 5B operations, close STH 16 from Station 104+08“EB” to Station 107+26“EB” to through traffic for a maximum of 7 consecutive calendar days. Do not reopen until completing the following work: installation of concrete pavement from Station 104+08“EB” to Station 106+37“EB”.

If the contractor fails to complete the work necessary to reopen STH 27 to traffic within 7 consecutive calendar days, the department will assess the contractor \$2,070 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 7 consecutive calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

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

Schedule of Operations

The department anticipates that the schedule for each stage be as follows below, unless modifications are approved in writing by the engineer.

PROJECT 5144-01-75 and 5144-01-76

Stage 1

Stage 1 consists of preparation work for the project; some of these can be worked on simultaneously when work zones are not in conflict. The work in Substage 1A should be completed before Substage 1C is begun to allow the use of the Roberts Road as a detour. Substage 1C should be completed before Substage 1D is begun to allow for staging traffic on the temporary widening.

Substage 1A

Construct utilities and reconstruct the streets on Hoeschler Drive from Station 14HO+20 to Station 15+00“HO”, Roberts Road from Station 209+51“RO” to Station 217+96“RO”, River Road from Station 28+50“R” to Station 30+64“R”, Averill Street from Station 19+50“AV” to 21+50“AV”.

Substage 1B

Part 1: Installation of temporary traffic signals at STH 27 and STH 16 intersection.

Part 2: Removal of existing medians and traffic signals. Installation of temporary asphalt pavement in median areas.

Substage 1C

- Construct temporary driveway to serve Brenengen Chevrolet, 1015 S Black River Street.
- Reconstruction of STH 27 from project start to Station 305+47.7. Installation of trunk storm sewer from Station 304+32 to approximately Station 308+00, connecting the existing 24" storm sewer to structure 58.9 to maintain the flow of the existing drainage work during subsequent stages.
- Construct Water Main from Station 302+63.4 to Station 309+58.7. Construct Water Main in the Roberts Road and River Road intersection.
- Construct Sanitary Sewer from Station 304+35.5 to Station 307+84.6.
- Remove northbound curb from Station 319+90 to the STH 16 intersection. Install temporary drainage features and modify existing drainage structures to function in subsequent stages.
- Construct temporary widening along northbound edge of pavement from Station 305+47.7 to STH 16 intersection.
- Construct temporary widening along the southbound edge of pavement from the W Averill Street intersection to Station 317+44.
- Maintain access to businesses by use of temporary aggregate surface.

Substage 1D

- Construct sanitary sewer from Station 313+50 (W Averill Street intersection) to Station 328+50 (in front of McDonald's).
- Maintain access to businesses and side streets across the work zone by use of temporary aggregate surface. Coordinate work with local businesses when work operations will impact access from the opposite side of the roadway. Install temporary asphalt pavement in locations utilized during later stages of work.

Stage 2 and 2B

A significant portion of the planned work zone is similar between Stage 2 and Stage 2B, from Station 320+00 to the end of the project. This will allow the shifting of traffic and the completion of additional work from Station 310+00 to W Averill Street to be completed without a complete shift of traffic.

Stage 2

- Installation of temporary driveway to Kwik Trip, 1014 S Black River Street.
- Remove temporary asphalt pavement installed on the southbound side of the road during Stage 1C.
- Reconstruct the southbound side of STH 27 from Station 305+47 to the end of the project, and installation of the TWLTL from W Averill Street to Station 328+50. Reconstruct the outside eastbound lane of STH 16 outside of the STH 27 intersection. Construction of River Road. Construction of the west side of the Maple Avenue. Construction of River Road.
- Construct water main from STH 27 Station 316+97 to Station 323+50 LT. Construction portion of water main crossing at Station 319+64.5. Construct water main along River Road. Construct Water Main along Maple Avenue.

- Begin construction of Sanitary Sewer along W Averill Street from Station 21+49.0"AV" to STH 27 Station 313+53.4. Construct Sanitary Sewer along Maple Avenue from Station 10+05.0"MA" to Station 325+61.2.
- Install proposed storm sewer, complete connection of sanitary sewer services, curb and gutter, sidewalk and driveways.
- Install temporary pavement in the portions of the north and south splitter island and truck apron of the roundabout at River Road for use during subsequent stages of work.
- Perform work on storm sewer in the STH 27 and STH 16 and any conflicting City of Sparta utilities during a shutdown of a portion of the STH 27 and STH 16 intersection. Construct storm sewer from structure 36.7 to structure 37 to maintain flow of existing drainage systems during subsequent stages. This work shall be done at night, and restored to drivable condition prior to the morning peak hour the next day. Pave the affected area of the intersection with temporary asphalt pavement for use during subsequent stages of work.
- Maintain access to business and side streets across the work zone by use of temporary aggregate surface. Coordinate work with local businesses when work operations will impact access from the opposite side of the roadway. Utilize temporary pavement gaps to maintain service during paving operations.

Stage 2B

- Continue Stage 2 work along STH 27.
- Construct TWLTL from Station 310+00 to W Averill Street.

Stage 3

- Remove temporary asphalt pavement installed on northbound edge of pavement during Stage 1C.
- Reconstruct the northbound side of STH 27 from Station 305+47 to the end of the project. Reconstruct the through westbound lanes of STH 16 outside of the STH 27 intersection. Reconstruction of W Averill Street from STH 27 to Roberts Road.
- Complete water main crossing at STH 27 Station 319+64.5.
- Complete construction of Sanitary Sewer along W Averill Street from Station 21+49.0"AV" to STH 27 Station 313+53.4. Construct Sanitary Sewer along W Averill Street from STH 27 Station 313+53.4 to Station 23+57.9"AV".
- Install storm sewer laterals and remove/abandon existing storm sewer as the old structures are supplanted. Complete sanitary service installations on the northbound side of the roadway. Install curb and gutter, driveways, and sidewalks.
- Maintain access to business and side streets across the work zone by use of temporary aggregate surface. Coordinate work with local businesses when work operations will impact access from the opposite side of the roadway. Utilize temporary pavement gaps to maintain service during paving operations.

Stage 4

- Work on Stage 4 may be done concurrently with Stage 5B.
- Remove temporary asphalt pavement installed in north and south splitter islands and truck apron areas of the roundabout at River Road. Install north and south splitter islands and complete truck apron. Install remaining curb and sidewalk in northwest corner of roundabout.

Stage 5

Work on Stage 5 will involve closure of portions of the STH 27 and STH 16 intersection. Work on Stage 5B can be performed concurrently with Stage 4.

Substage 5A

Construction of the inside eastbound lane and eastbound left turn lane and median on STH 16.

Substage 5B

Construction of the inside eastbound lane and westbound left turn lane and median on STH 16.

Stage 6

Construction of left turn lanes and medians on STH 27, construction of TWLTL north of the STH 16 intersection on STH 27.

5. Municipality Acceptance of Sanitary Sewer and Water Main Construction.

Both the department and City of Sparta personnel will inspect construction of sanitary sewer and water main under this contract. However, testing, and acceptance of the sanitary sewer and water main construction will be by the City of Sparta.
stp-105-001 (20140630)

6. Traffic.

General

The construction sequence, including the associated traffic control, shall be substantially accomplished as detailed in the Traffic Control Plans, and as described herein. Submit to the engineer for approval a detailed traffic control plan if different than the traffic control plan provided in the plan set. Submit the plan prior to making any traffic switch.

Maintain traffic with a minimum of two 11-foot travel lanes on STH 27 and STH 16 unless otherwise noted within the article or the plans.

A minimum of one 14-foot lane, measured from the face of curb, shall be provided for the drive through lane at 802 W Wisconsin Street (Taco Bell) during the duration of the project, unless construction operations prevent this. As noted in Prosecution and Progress, the contractor has a 7 consecutive calendar day window in which he is allowed to disturb the

drive through during working hours. The drive through is to remain open except when directly impacted by construction. On days when the drive through is being disrupted, it shall be restored with gravel pavement to a minimum of a 14-foot lane, measured from the face of curb, by 4:00 PM to allow for use in the evening.

Temporary lane closures will not be allowed within the peak hour traffic times of 6:00 AM to 9:00 AM and 3:00 PM to 6:00 PM on weekdays unless authorized in writing from the engineer.

Do not store equipment, vehicles, or materials on adjacent streets beyond the project limits without specific approval of the engineer.

Conduct operations in a manner that will cause the least interference with traffic, pedestrian movements, commercial access, and residential access adjacent to and within the construction area. This includes the following restrictions:

- a. No vehicle or piece of equipment will be permitted to enter a live traffic roadway against the direction of normal traffic flow, even if the roadway has been declared part of a haul road.
- b. Do not disturb, remove, or obliterate any traffic control signs, advisory signs, shoulder delineators, or beam guard in place along the traveled roadways without the approval of the engineer. Any damage done to the above during construction operations shall be repaired or replaced at the contractor's expense.
- c. Access live traffic lanes only at the ends of the work zone. Do not cut in between traffic control devices to enter STH 27 or STH 16 traffic lanes.
- d. Do not park or store equipment, vehicles, or construction materials within 30 feet of the edge of the traffic lanes carrying STH 27 or STH 16 traffic during non-working hours unless properly protected as described in the standard specifications and supplemental with the traffic control section of these special provisions.
- e. No materials or construction equipment are to be stored within the TLE on the property of 802 W Wisconsin Street.
- f. Do not park or store equipment, vehicles, or construction materials within 20 feet of the edge of the traffic lanes carrying local road traffic during non-working hours unless properly protected as described in the standard specifications and supplemental with the traffic control section of these special provisions.
- g. All construction vehicles and equipment entering or leaving live traffic lanes will yield to through traffic. Unsafe actions will result in an individual's removal from the project unless approved to resume project activities by the engineer.
- h. Equip all construction vehicles and equipment entering or leaving the live traffic lanes with a hazard identification beam (flashing amber signal) of 8-inch minimum diameter. Activate the beam when merging into or exiting a live traffic lane.
- i. Notify the Wisconsin State Patrol, Monroe County Sheriff's Department, City of Sparta Police Chief, and other emergency services a minimum of two weeks prior to any lane closures or change in lane configuration.
- j. Do not use maintenance crossovers to make U-turns. Do not use existing median crossovers, outside of project limits, for storage or hauling reasons.

- k. Lane closures will only be allowed when there is pertinent work being done on roadways and structures. Remove all barricades, signs, drums, lights, and other devices which might impede the free flow of traffic and store them beyond the shoulder when no work on the roadway or structures is taking place.
- l. Have available at all times, sufficient experienced personnel to promptly install, remove, and reinstall the required traffic control devices to route traffic according to the plans, these special provisions, and as directed by the engineer.

Wisconsin Lane Closure System Advance Notification

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

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

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

Discuss LCS completion dates and provide changes in the schedule to the engineer at weekly project meetings in order to manage closures nearing their completion date.
stp-108-057 (20161130)

Traffic Staging

Perform construction operations on STH 27, STH 16, and local roadways as shown in the traffic staging plan.

Traffic control stage changes will not be allowed during peak travel times of 6:00 AM to 9:00 AM and 3:00 PM and 6:00 PM on weekdays.

The construction stages are:

Stage 1

Install alternate route signage on STH 16, STH 21, Montgomery Street, and STH 27.

Stage 1A.1

- Close Hoeschler Drive west of Roberts Road. Close Roberts Road north of Hoeschler Drive. Close Averill Street east of Roberts Road. Close Roberts Road north of River Road. While Stage 1A.1 is being completed, contractor shall allow truck traffic to exit the Kwik Trip and the Cenex Co-op Services businesses through their west driveways onto Averill Street and to exist the site. One exit, either east to STH 27 or west to Roberts Road then north to Hoeschler Drive, will be open at all times except when heavy construction is being actively worked on directly in front of the driveways.
- Maintain a minimum of 1 16' lane (or two 11' lanes) across the River Road/Roberts Road intersection. Traffic is to be restored to one 11' lane in each direction for River Road by the end of each working day.

Stage 1A.2

- Close Roberts Road north of River Road. Close River Road east and west of Roberts Road. Close Roberts Road south of River Road. While Stage 1A.2 is being completed, contractor shall allow east- and west-bound truck traffic to exit River Road either north onto Roberts Road or east to STH 27. This will require the contractor to keep one 16' wide gravel roadway for truck use. Contractor shall keep the barricaded closed and open the road as east- and west-bound trucks arrive, which will be directed through the closed stage by the contractor.

Stage 1B – Part 1

- Close outside lanes of STH 16, close dedicated right lanes of STH 27. Maintain a minimum of 12' lanes on the departure side of the through lanes of STH 27 at the intersection.

Stage 1B- Part 2

- Close left turn lanes and departure side through lanes on STH 16. Utilize approach side inside through lanes as left turn lanes.
- Close left turn lanes on STH 27. Maintain a minimum 12' lane on the departure side through lanes. Utilize dedicated right turn lanes as combined through and right turn lanes, utilize existing turn lanes as left turn bays.

Stage 1C

- Install Stage 1C – STH 27 Closure detour signage on IH 90, STH 27, STH 16, STH 21, and Montgomery Street.
- Close STH 27 from Avon Road to Station 310+50. This lane closure shall be in effect for no longer than 21 consecutive calendar days.
- Close River Road from the west entrance to Kwik Trip to STH 27.
- Close eastbound outside lane of STH 16. Close northbound right turn lane of STH 27 at the STH 16 intersection.
- Maintain two 11' lanes on STH 27. Shift lanes to the west to allow for construction of northbound temporary widening. Shift lanes to the east to allow for construction of southbound temporary widening.

Stage 1D

- Restore alternate route signage on STH 16, STH 21, Montgomery Street, and STH 27.
- Maintain two 11' lanes on STH 27, on one the southbound side and one on the northbound side.

Stage 2

- Maintain alternate route signage on STH 16, STH 21, Montgomery Street, and STH 27.
- Close River Road from STH 27 to Roberts Road.
- Maintain two 12' lanes on STH 27. Shift lanes to northbound side of centerline. Shift lanes at STH 16 intersection to create left turn bays.
- Maintain one 11' lane in each direction on STH 16. Shift lanes at the STH 27 intersection to create left turn bays.
- Utilize Stage 2 STH 16 and STH 27 Intersection Detour for work requiring the closure of STH 16 and STH 27 intersection. Install detour signs on STH 16, STH 27, Industrial Drive, and Maple Avenue. Closures for this work shall be performed at night, and will be restored to traffic before 7 AM of the proceeding morning.
- Lane closures under flagging will be required to complete the west side of Maple Avenue. Traffic will be restored to a minimum of one 11' lane in each direction on Maple Avenue at the end of each work day.

Stage 2B

- Maintain alternate route signage on STH 16, STH 21, Montgomery Street, and STH 27.
- Maintain traffic pattern on STH 27 north of Station 320+00. Maintain a minimum of one 11' lane in each direction from start of project to Station 320+00. Split traffic around work zone.
- Maintain traffic pattern on STH 16 from Stage 2.
- Lane closures under flagging will be required to complete the west side of Maple Avenue. Traffic will be restored to a minimum of one 11' lane in each direction on Maple Avenue at the end of each work day.

Stage 3

- Maintain alternate route signage on STH 16, STH 21, Montgomery Street, and STH 27.
- Close W Averill Street from Roberts Road to STH 27.
- Maintain one 11' lane in each direction on STH 27. Shift lanes to southbound side of centerline. Split lanes near STH 16 intersection to create left turn bays.
- Maintain one 11' lane in each direction on STH 16 on eastbound side of roadway. Shift westbound lane into former median area to allow for left turn bays at STH 27 intersection.

- Lane closures under flagging will be required to complete the east side of W Averill Street, Maple Avenue, and Hill Street. Traffic will be restored to a minimum of one 11' lane in each direction on the east side of W Averill Street, Maple Avenue, and Hill Street at the end of each work day.

Stage 4

- Maintain alternate route signage on STH 16, STH 21, Montgomery Street, and STH 27.
- Utilize traffic control to channelize traffic into completed roundabout traffic flow.

Stage 5

Stage 5A

- Notify department Region Incident Management Coordinator (RIMC) a minimum of 7 calendar days prior to road closure and beginning of stage.
- Install Stage 5A Detour signage on STH 16, STH 27, Industrial Drive, and River Road.
- Maintain alternate route signage on STH 16, STH 21, Montgomery Street, and STH 27.
- Close the west side of the STH 27 and STH 16 intersection. This closure shall be in effect for no more than 7 consecutive calendar days.
- Maintain a minimum of one 11' lane in each direction on STH 27.
- Close the westbound left turn lane and median area on STH 16. Turn the outside westbound lane into a dedicated right turn lane. Turn the inside westbound lane into a dedicated left turn lane.

Stage 5B

Notify department Region Incident Management Coordinator (RIMC) a minimum of 7 calendar days prior to road closure and beginning of stage.

- Install Stage 5B Detour signage on STH 16, STH 21, STH 27, and Montgomery Street.
- Close the east side of the STH 27 and STH 16 intersection. This closure shall be in effect for no more than 7 consecutive calendar days.
- Maintain a minimum of one 11' lane in each direction on STH 27.
- Close the eastbound left turn lane and median on STH 16. Turn the outside eastbound lane into a dedicated right turn lane. Turn the inside eastbound lane into a dedicated left turn lane.

Stage 6

- Restore alternate route signage on STH 16, STH 21, Montgomery Street, and STH 27.
- Split traffic on STH 27 around the work zone near the STH 16 intersection. Maintain a minimum of one 12' lane in each direction. Create left turn lanes northbound and southbound in the through lanes at the intersection.

7. **Holiday Work Restrictions.**

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying STH 27 or STH 16 traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday periods:

- From noon Friday, March 30, 2018 to 6:00 AM Tuesday, April 3, 2018 for Easter;
- From noon Friday, May 25, 2018 to 6:00 AM Tuesday, May 29, 2018 for Memorial Day;
- From noon Friday, June 8, 2018 to 6:00 AM Monday, June 11, 2018 for Sparta Butterfest;
- From noon Tuesday, July 3, 2018 to 6:00 AM Thursday, July 5, 2018 for Independence Day;
- From noon Friday, August 31, 2018 to 6:00 AM Tuesday, September 4, 2018 for Labor Day.

107-005 (20050502)

8. **Utilities.**

This contract does not come under the provisions of Wisconsin Administrative Code Chapter Trans 220.

107-065 (20080501)

There are utility facilities within the construction limits of this project. Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities for the underground facilities in the area, as required per statutes. Use caution to maintain the integrity of underground utilities and maintain OSHA code clearances from overhead facilities at all times.

Additional detailed information regarding the location of utility facilities is available at the region WisDOT office during normal working hours.

CenturyLink has underground **communication** facilities from the south project limits (between 36 and 41 feet RT) to near Station 307+50 (between 38 and 45 feet RT) to near Station 310+62 (between 44 and 47 feet RT) to near Station 312+04 (between 36 and 41 feet RT) to near Station 316+80 (between 38 and 41 feet RT) to near Station 318+56 (between 41 and 46 feet RT) to near Station 319+80 (between 28 and 32 feet RT) to near Station 324+00 (between 25 and 32 feet RT) to near Station 330+00 (between 26 and 29 feet RT) to near Station 334+00 (between 29 and 31 feet RT) to near Station 337+00 (between 28 and 32 feet RT) and then continuing north outside the project limits. CenturyLink plans to install new communication facilities from the existing pedestal near Station 304+30 (41 feet RT) to near Station 307+35 (44 feet RT) to near Station 307+60 (90 feet RT) to near Station 308+68 (90 feet RT) to near Station 308+82 (60 feet RT) to near Station 308+97 (54 feet RT) to near Station 309+15 (54 feet RT) to near Station 309+40 (46 feet RT) to near Station

319+50 (46 feet RT) to near Station 319+80 (36 feet RT) to near Station 319+90 (32 feet RT) to near Station 325+93 (32 feet RT) to near Station 328+20 (33 feet RT) to near Station 328+45 (35 feet RT) to near Station 330+60 (35 feet RT) to near Station 331+00 (44 feet RT) to near Station 331+30 (59 feet RT) to near Station 331+34 (75 feet RT) and then crossing W. Wisconsin Avenue to near Station 332+25 (75 feet RT) to near Station 332+54 (40 feet RT) to near Station 332+74 (40 feet RT) to near Station 332+80 (31 feet RT) to near Station 335+67 (31 feet RT) to near Station 337+15 (29 feet RT) and then tying into existing communication facilities near Station 337+22. CenturyLink plans to install new pedestals near Station 310+51 (46 feet RT), near Station 319+75 (36 feet RT), near Station 332+80 (31 feet RT), and near Station 337+00 (29 feet RT). CenturyLink plans to install new handholes near Station 306+16 (44 feet RT), near Station 310+78 (46 feet RT), near Station 319+80 (36 feet RT), near Station 333+10 (31 feet RT), and near Station 337+09 (29 feet RT). CenturyLink plans to discontinue the underground communication facilities from near Station 304+30 to near Station 337+22. CenturyLink plans to remove the existing pedestal near Station 324+00 (25 feet RT) and remove the existing manholes near Station 310+61 (40 feet RT) and near Station 319+90 (30 feet RT).

CenturyLink has underground communication facilities from the south project limits (99 feet LT) to near Station 307+90 (40 feet LT) and then continuing west along the south side of River Road outside of the project limits. CenturyLink plans to remove and relocate a portion of the underground communication facilities to the right-of-way from near Station 306+80 (40 feet LT) to the northwest near Station 31+85”R” (32 feet RT).

CenturyLink has underground communication facilities from the south project limits (99 feet LT) to near Station 305+55 (43 feet LT) to near Station 305+89 (42 feet LT) and then crosses STH 27 near Station 305+89 (42 feet LT to 38 feet RT). CenturyLink plans to splice existing facilities into a new handhole near Station 306+16 (46 feet RT)

CenturyLink has underground communication facilities from the west project limits on River Road (between 33 and 35 feet LT) to near Station 29+48”R” (40 feet LT) and then continues north to near Station 29+48”R” (57 feet LT) and then crosses Roberts Road to near Station 30+00”R” (64 feet LT) and then continues south to near Station 30+06”R” (40 feet LT) and then continues east to near Station 30+52”R” (30 feet LT) to near Station 32+73”R” (29 feet LT) and then continues northeast to near Station 308+83 (45 feet LT) and then continues north to near Station 310+59 (46 feet LT) and then crosses STH 27 near Station 310+62 (46 feet LT to 45 feet RT). CenturyLink plans to remove the existing pedestal near Station 29+48”R” (40 feet LT) and install a new pedestal at the right-of-way near Station 29+27”R” LT and to remove the existing pedestal near Station 30+06”R” (40 feet LT) and install a new pedestal at the right-of-way near Station 30+20”R” LT. CenturyLink plans to splice existing facilities into the new pedestals. CenturyLink plans to lower existing communication facilities near Station 32+75”R” after pavement removal. CenturyLink plans to splice existing facilities into a new pedestal near Station 310+50 (46 feet RT) and into a new handhole near Station 310+78 (46 feet RT).

CenturyLink has underground communication facilities from the west project limits on W. Wisconsin Street (33 feet LT) to an existing manhole near Station 104+51"WB" (31 feet LT). CenturyLink plans to install two new communication facilities from near Station 102+55"WB" (34 feet LT) continuing east to near Station 102+95"WB" (34 feet LT) to near Station 103+25"WB" (37 feet LT) to near Station 103+42"WB" (40 feet LT) and then continuing northeast to near Station 332+90 (53 feet LT) and then continuing north to near Station 333+10 (53 feet LT) and then crossing STH 27 to a new handhole near Station 333+10 (31 feet RT) and to a new pedestal near Station 332+80 (31 feet RT). CenturyLink plans to discontinue the existing communication facilities from near Station 102+55"WB" to existing manhole near Station 104+51"WB" (31 feet LT). CenturyLink plans to remove the existing manhole near Station 104+51"WB" (31 feet LT).

CenturyLink plans to complete their relocations prior to construction, except for the following locations:

- CenturyLink has underground communication facilities that cross STH 27 near Station 319+90 (30 feet RT to the west outside the project limits). CenturyLink plans to lower this facility during construction after the pavement has been removed. CenturyLink requires 10 working days notice prior, to schedule the work. CenturyLink anticipates needing 1 to 2 working days to complete this work.
- CenturyLink plans to lower existing communication facilities near Station 32+75"R" after pavement removal. CenturyLink requires 10 working days notice prior, to schedule the work. CenturyLink anticipates needing 1 to 2 working days to complete this work.

The following locations will require protection and support during excavation for storm sewer and watermain installation:

- CenturyLink has an underground communication facility that crosses the 60-Inch storm sewer near Station 305+90. CenturyLink requires 10 working days' notice prior, to schedule the work. CenturyLink can assist the Contractor with supporting the existing facilities as requested.
- CenturyLink has underground communication facilities from near Station 308+90 LT to near 309+65 LT near the watermain. CenturyLink requires 10 working days' notice prior, to schedule the work. CenturyLink can assist the Contractor with supporting the existing facilities as requested.
- CenturyLink has underground communication facilities that crosses the 8-Inch watermain near Station 32+05 LT. CenturyLink requires 10 working days' notice prior, to schedule the work. CenturyLink can assist the Contractor with supporting the existing facilities as requested.

The field contact for this project is:

Jerod Hoel
135 N. Bonson Street
Platteville, WI 53818
Phone: (608) 342-4350
Mobile: (608) 642-0345
Email: jerod.hoel@centurylink.com

Charter Communications has overhead **communication** facilities that are attached to Xcel Energies poles along the east side of STH 27 from south of the project limits to north of the project limits. Charter Communications has overhead communication facilities that cross STH 27 near Station 307+97 and near Station 319+82 and near Station 325+34 and near Station 331+00. Charter Communications has overhead communication facilities that cross STH 16 near Station 104+44.

Charter Communications plans to remove overhead communication facilities that are attached to Xcel Energies poles from near Station 306+00 to near Station 335+00. Charter Communications plans to remove overhead communication facilities that cross STH 27 near Station 307+97 and near Station 319+82 and near Station 325+34 and near Station 331+00. Charter Communications plans to remove overhead communication facilities that cross STH 16 near Station 104+44.

Charter Communications plans to install new underground communication facilities crossing STH 27, near Station 306+00 and near Station 325+00. The remainder of the relocated Charter facilities will be placed underground, outside of highway right-of-way, leaving the project limits.

Charter Communications plans to complete their relocations prior to construction.

The field contact for this project is:

Perry McClellan
1228 12th Ave South
Onalaska, WI 54650
Mobile: (608) 317-6213
Email: Perry.McClellan@charter.com

Lemonweir Valley Telephone Company has underground **communication** facilities that are joint with Wisconsin Independent Network. The facilities are along the east side of STH 27 from south of the project limits to Station 305+90 (45 feet RT). The facility then crosses STH 27 near Station 305+90 (45 feet RT to 49 feet LT). The facility then continues north to Station 307+87 (50 feet LT). The facility then continues west, on the south side of River Road, outside of the project limits.

Lemonweir Valley Telephone Company plans to install new communication facilities from a new hand hole near Station 305+86 (45 feet RT) and continue north to an existing hand hole at Station 305+96 (45 feet RT). Install a new communication crossing near Station

305+96 (45 feet RT to 44 feet LT) and then continue north to near Station 306+72 (44 feet LT) and then continue northwest to near Station 306+97 (47 feet LT) and then continue northwest to near Station 307+71 (77 feet LT) and then continue northwest to near Station 307+85 (95 feet LT) and then continue west to a new hand hole near Station 32+15”R” (37 feet RT) and then continue west to near Station 30+31”R” (34 feet RT) and then continue west outside of the project limits.

Lemonweir Valley Telephone Company plans to complete their relocations prior to construction.

The field contact for this project is:

Ben Grilley
127 US Hwy 12
PO Box 267
Camp Douglas, WI 54618
Phone: (608) 427-6515 Ext. 121
Mobile: (608) 542-0186
Email: Ben.Grilley@getlynxx.com

Sparta Public Works - Sewer has facilities within the project limits that will be relocated as part of this project.

The field contact for this project is:

Mark Van Wormer – Director of Public Works
201 W. Oak Street
Sparta, WI 54656
Phone: (608) 269-4340 Ext. 228
Mobile: (608) 487-1601
Email: dpw@spartawisconsin.org

Sparta Public Works - Water has facilities within the project limits that will be relocated as part of this project.

The field contact for this project is:

Mark Van Wormer – Director of Public Works
201 W. Oak Street
Sparta, WI 54656
Phone: (608) 269-4340 Ext. 228
Mobile: (608) 487-1601
Email: dpw@spartawisconsin.org

We Energies has **gas** facilities along the east side of STH 27 from the south project limits to Station 307+80 (32 feet RT). The facility then crosses STH 27 near Station 307+80 (35 feet RT to 32 feet LT). The facility then continues to the north along the west side of STH 27 outside of the project limits. We Energies also has gas facilities crossing STH 27 near Station 313+00, along the south side of Averill Street, west of STH 27, heading west

outside the project limits, along the south side of Maple Avenue, west of STH 27, heading west outside the project limits, along the south side of STH 16, and a crossing STH 16 near Station 106+30"EB".

We Energies plans to discontinue the gas facilities from near Station 306+45 to near Station 317+30 and from near Station 325+20 to near Station 336+38. Contractor shall contact We Energies before removing any gas facilities, to verify that they have been discontinued and carry no natural gas. The contractor shall not assume that unmarked facilities have been discontinued. At no time is it acceptable to push, pull, cut, or drill an unmarked facility without explicit consent from We Energies. Contractor shall contact the We Energies 24-hour dispatch, at 1-800-261-5325, to arrange for this verification.

We Energies plans to lower the existing gas facilities along the west side of STH 27 from near Station 320+00 (32 feet LT) to near Station 322+25 (32 feet LT) and from near Station 324+25 (33 feet LT) to near Station 325+30 (34 feet LT).

We Energies plans to install new gas facilities along STH 27 from near Station 306+45 (46 feet RT) to near Station 307+50 (46 feet RT) and then continue northeast to outside of the project limits. Install a new gas facility crossing on STH 27 near Station 306+45 (46 feet RT to 48 feet LT). The new facility will then continue northwest to near Station 307+90 (100 feet LT) and then cross River Road near Station 32+50"R" and continue to the north side of River Road and will then continue northeast to near Station 308+94 (48 feet LT) and then continue north along STH 27 to near Station 312+95 (48 feet LT) and then continue northwest to near Station 22+38"AV" (29 feet RT) and then cross Averill Street to near Station 22+38"AV" (31 feet LT) and then continue northeast to near Station 314+00 (47 feet LT) and then continue north along STH 27 to near Station 317+30 (48 feet LT) and then continue to the east and tie into the existing gas main near Station 317+30 (32 feet LT). Install a new gas facility along the south side of Maple Avenue from near Station 10+80"MA" (33 feet RT) to near Station 10+00"MA" (33 feet RT) and then cross Maple Avenue to near Station 10+00"MA" (30 feet LT) and then continue east to near Station 10+82"MA" (31 feet LT) and then continue north along STH 27 from near Station 326+00 (32 feet LT) to near Station 330+50 (50 feet LT) and then continue northwest to near Station 331+27 (81 feet LT) then continue west along the south side of STH 16 to near Station 103+10"EB" (46 feet RT) and then cross STH 16 to near Station 103+40"EB" (60 feet LT) and then continues east to near Station 103+23"EB" (61 feet LT) and then continues northeast to near Station 332+90 (57 feet LT) and then continues north to near Station 334+25 (56 feet LT) and then continues northeast to near Station 336+36 (32 feet LT).

We Energies plans to install new gas facilities on the north side of River Road from Station 32+50"R" (62 feet LT) to near Station 31"R"+91 (42 feet LT) to near Station 31"R"+66 (32 feet LT) to near Station 31"R"+40 (28 feet LT) to near Station 30"R"+60 (28 feet LT) to near Station 30"R"+13 (63 feet LT) and continuing west outside of the project limits. Install a new gas facility crossing near Station 313+00 (58 feet RT to 60 feet LT). Install a new gas facility on the south side of Averill Street from near Station 22+38"AV" (29 feet RT) heading west to outside the project limits. Install a new gas facility on the south side of Maple Avenue from near Station 10+00"MA" (17.5 feet RT) to the end of Maple Avenue,

crossing under STH 27, Belmont Avenue, Stelting Street, and Richgruber Road. Install a new gas facility on the south side of STH 16 from near Station 105+95"EB" (35 feet RT) to near Station 106+40"EB" (34 feet RT) and then continue northwest to the north side of STH 16 near Station 106+22"EB" (76 feet LT).

We Energies plans to install new gas facilities on the west side of Roberts Road from Hoeschler Road south of River Road.

We Energies plans to complete this work prior to construction.

The field contact for this project is:

Travis Kahl
1921 8th Street South
Wisconsin Rapids, WI 54494
Phone: (715) 421-7256
Mobile: (715) 498-6180
Email: Travis.Kahl@we-energies.com

Wisconsin Independent Network has underground **communication** facilities along the east side of STH 27 from south of the project limits to Station 305+90 (45 feet RT). The facility then crosses STH 27 near Station 305+90 (45 feet RT to 49 feet LT). The facility then continues north to Station 307+87 (50 feet LT). The facility then continues west, on the south side of River Road, outside of the project limits.

Wisconsin Independent Network plans to install new communication facilities from a new hand hole near Station 305+86 (45 feet RT) and continue north to an existing hand hole at Station 305+96 (45 feet RT). Install a new communication crossing near Station 305+96 (45 feet RT to 44 feet LT) and then continue north to near Station 306+72 (44 feet LT) and then continue northwest to near Station 306+97 (47 feet LT) and then continue northwest to near Station 307+71 (77 feet LT) and then continue northwest to near Station 307+85 (95 feet LT) and then continue west to a new hand hole near Station 32+15"R" (37 feet RT) and then continue west to near Station 30+31"R" (34 feet RT) and then continue west outside of the project limits.

Wisconsin Independent Network plans to be completed prior to construction.

The field contact for this project is:

John Louis
800 Wisconsin Street
Building D02, Suite 219 MB#107
Eau Claire, WI 54703
Phone: (715) 838-4012
Mobile: (715) 864-2918
Email: jlouis@wins.net

Xcel Energy - Transmission has a 161kV overhead **electric** transmission facility crossing STH 27 near Station 304+78. Xcel Energy does not anticipate any conflicts with this facility.

Maintain the OSHA minimum safe working clearance from this line at all times while working under or near the facility.

The field contact for this project is:

Bruce Zemke
414 Nicollet Mall – 5th Floor
Minneapolis, MN 55401
Phone: (612) 330-7815
Mobile: (651) 214-2620
Email: Bruce.M.Zemke@xcelenergy.com

Xcel Energy has underground and overhead electric facilities within the project limits, including overhead lines along the east side of STH 27, overhead line crossing near Station 307+97 and continuing west along the south side of River Road, overhead line crossing near Station 319+82, overhead line crossing near Station 324+02, overhead line crossing near Station 325+34 and continuing west along the south side of Maple Avenue, overhead line crossing near Station 330+50, overhead line crossing near Station 331+00 and continuing west along the south side of STH 16, and overhead line crossing near Station 102+70 on STH 16.

Xcel Energy plans to leave the following facilities in place:

Approximate Location(s)
Station 304+98 (50' RT)
Station 330+33 (50' LT)
Station 335+02 (26' RT)
Station 336+42 (26' RT)
Station 214+50 "Roberts Road" (26' RT)

Xcel Energy plans to remove the following facilities:

Approximate Existing Location(s)	Description
Station 306+00 (37' RT) Station 306+98 (50' RT) Station 307+94 (49' RT) Station 308+58 (35' RT) Station 309+22 (49' RT) Station 310+52 (37' RT) Station 311+77 (49' RT) Station 313+16 (34' RT) Station 313+85 (45' RT) Station 315+47 (45' RT)	Xcel plans to remove these poles and transfer their overhead facilities to new Xcel utility poles.

Approximate Existing Location(s)	Description
Station 316+80 (41' RT) Station 318+52 (37' RT) Station 319+84 (24' RT) Station 321+31 (24' RT) Station 322+69 (24' RT) Station 324+02 (24' RT) Station 324+03 (27' LT) Station 325+34 (26' RT) Station 326+83 (24' RT) Station 328+36 (25' RT) Station 329+59 (26' RT) Station 330+84 (26' RT) Station 332+86 (26' RT) Station 334+02 (25' RT) Station 334+04 (40' LT) Station 102+63"EB" (32' RT) Station 102+77"WB" (28' LT) Station 214+80 Roberts Rd (26' RT) Station 32+00"R" (27' RT)	
Station 307+97 Station 324+02	Xcel plans to remove overhead crossing.
Station 333+98 (50' LT)	Xcel plans to remove transformer and pad.
Station 332+66	Xcel plans to discontinue underground electric service.

Xcel Energy plans to install new utility poles as follows:

Approximate Proposed Location(s)	Planned Relocation
Station 306+00 (48' RT)	Install new utility pole with a new anchor roughly 15 feet east of the new pole.
Station 306+00 (52' LT) Station 306+95 (48' RT) Station 309+42 (48' RT) Station 311+75 (48' RT) Station 313+87 (46' RT)	Install new utility pole.
Approximate Proposed Location(s)	Planned Relocation
Station 315+50 (44' RT) Station 316+81 (42' RT) Station 318+50 (41' RT) Station 321+31 (39' RT) Station 322+69 (38' RT) Station 324+02 (37' RT) Station 333+00 (26' RT) Station 334+02 (26' RT)	Install new utility pole.

Approximate Proposed Location(s)	Planned Relocation
Station 102+57"EB" (32' RT) Station 102+75"WB" (29' LT)	
Station 319+82 (40' RT)	Install new utility pole with a new anchor roughly 8 feet east of the new pole.
Station 325+34 (37' RT) Station 327+04 (37' RT) Station 328+18 (37' RT) Station 329+89 (37' RT)	Install new utility pole with a new 10-foot alley arm east of the new pole.
Station 330+76 (33' RT)	Install new utility pole with a new anchor roughly 7 feet east of the new pole.
Station 334+04 (59' LT)	Install new utility pole with a new anchor roughly 4 feet west of the new pole.
Station 333+98 (59' LT)	Install new transformer and pad.
Station 306+01 Station 330+10	Install new overhead crossing.

Xcel Energy will remove existing utility poles after Charter Communications removes its facilities from the existing utility poles.

Xcel Energy plans to complete this work prior to construction.

The field contact for this project is:

Kaye Crook
1003 S Black River Street
Sparta, WI 54656
Phone: (608) 789-3622
Email: kaye.m.crook@xcelenergy.com

9. Coordination with Businesses and Residents.

The contractor shall arrange and conduct a meeting between the contractor, the department, affected residents, local officials and business people to discuss the project schedule of operations including vehicular and pedestrian access during construction operations. Hold the first meeting at least one week prior to the start of work under this contract and hold one meeting per month thereafter. The contractor shall arrange for a suitable location for the meeting(s) that provides reasonable accommodation for public involvement. The department will prepare and coordinate publication of the meeting notices and mailings for the meeting(s). The contractor shall schedule the meeting(s) with at least two weeks' prior notice to the engineer to allow for these notifications.

108-060 (20141107)

The contractor shall coordinate with the owner of 802 W Wisconsin Street (Taco Bell) a minimum of seven calendar days prior to construction activities impacting the use of the drive through lane of the property. Construction activities include any activity that would disrupt pavement or traffic within 14'-0" of the face of curb of the drive through lane.

10. Environmental Protection and Erosion Control.

The contractor shall perform work operations according to the submitted Erosion Control Implementation plan and the requirements of the engineer.

No slurry or waste from grinding or cutting operations is to be discharged to any surface waters or wetlands nor on slopes directly upgradient from such resources. This includes discharge to storm sewer systems, as storm sewers in the project area discharge directly upstream to surface waters.

The contractor shall take all appropriate measures to minimize dust emissions according to Administrative Code NR 415. This would include, but is not limited to, use of wet cutting or grinding operations; use of water or chemicals to maintain dust control on exposed work zones; limiting the number of access points from the work zone to the live traffic lanes; regular street sweeping of the project area; use of temporary seeding to stabilize slopes and excavation areas scheduled to be undisturbed for more than 7 consecutive calendar days.

11. Backfilling for Sanitary Sewer Main and Water Main.

A Description

Backfill for sanitary sewer mains and water mains is the material placed between the bedding and the ground surface. Backfill shall be Type II. Type II backfill shall be suitable excavated material, or other approved material, placed in uniform layers and mechanically compacted, conforming to the requirements in the separate special provision entitled Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

All backfill materials, methods of backfilling and compaction shall meet or exceed all of the Department's specifications as specified in standard spec 207.3.6.2, and 607.3.5.

B Materials

All materials utilized in sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

C Construction

Construction of sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

D Vacant

E Payment

Costs for this work shall be included in the unit bid for related items. No payment shall be made for Backfilling for Sanitary Sewer Main and Water Main.

12. 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)

13. Removing Traffic Signal Units STH 16 & STH 27, Item 204.9060.S.01.

A Description

This special provision describes Remove Traffic Signal STH 16 & STH 27 according to the pertinent provisions of standard spec 204 and as hereinafter provided. Work under this item also includes transporting or disposing of the existing equipment, including removal of existing electrical service as well as required utility coordination, as directed in this special provision. Removal of pull boxes and concrete bases at the above listed intersections shall be paid for separately.

B (Vacant)

C Construction

Arrange for the de-energizing of the traffic signals and removal of existing electrical service with the local electrical utility after receiving approval from the engineer that the existing traffic signals can be removed.

Notify the David Kuderer, City of Sparta Chief of Police, (608) 269-3122, dkuderer@spartawisconsin.org, at least five working days prior to the removal of the traffic signals. Complete the removal work as soon as possible following shut down of this equipment.

The city assumes that all equipment is in good condition and in working order prior to the contractor's removal operation. Prior to removal, inspect and provide a list of any damaged or non-working traffic signal equipment to the engineer. Any equipment not identified as damaged or not working, prior to removal, will be replaced by the contractor at no cost to the city.

Carefully disconnect, disassemble, remove and stockpile all traffic signal equipment. Remove all standards and poles per plan from their concrete footings and disassemble out of traffic. Remove the transformer bases from each pole. Remove the signal heads, mast arms, luminaires, wiring/cabling, and traffic signal mounting devices from each signal standard, arm or pole. Ensure that all access hand hole doors and all associated hardware remain intact. Dispose of the underground signal cable, internal wires and street lighting cable off the state right-of-way. Contact the Mark Van Wormer, City of Sparta Director of Public Works, (608) 269-4340 Ext 228, dpw@spartawisconsin.org a minimum of two business days prior to pick up.

D Measurement

The department will measure Remove Traffic Signal STH 16 & STH 27 as a single lump sum unit of work for each intersection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.01	Removing Traffic Signal Units STH 16 & STH 27	EACH

Payment is full compensation for removing, disassembling traffic signals, scrapping of some materials, disposing of scrap material, for delivering the requested materials to the city, and incidentals necessary to complete the contract work.

14. Removing Fire Hydrants, Item 204.9060.S.02; Removing Sanitary Manholes, Item 204.9060.S.03; Removing Valve Box, Item 204.9060.S.04.

A Description

This special provision describes Removing Fire Hydrants; Removing Sanitary Manholes; Removing Valve Box.

B Materials

All materials utilized in these sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

C Construction

Construction of these sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

D Measurement

The department will measure Removing Fire Hydrants; Removing Sanitary Manholes; Removing Valve Box by each individual 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
204.9060.S.02	Removing Fire Hydrants	EACH
204.9060.S.03	Removing Sanitary Manholes	EACH
204.9060.S.04	Removing Valve Box	EACH

Payment is full compensation for all labor, tools, equipment, materials, and incidentals necessary to complete the contract for all work herein as specified. Excavating, bedding materials, backfilling, fittings, reaction blocking and joint restraint shall be included in the contract price.

15. Removing Apron Endwalls, Item 204.9060.S.05.**A Description**

This special provision describes removing apron endwalls according to the pertinent provisions of standard spec 204 and as hereinafter provided.

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

The department will measure Removing Apron Endwalls as each removing apron endwall, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.05	Removing Apron Endwalls	EACH
204-025 (20150630)		

16. Concrete Pavement Joint Layout, Item 415.5110.S.**A Description**

This special provision describes providing a concrete pavement or concrete base joint layout design for intersections 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 at least 7 calendar days before paving each intersection. Do not lay out joints until the engineer has reviewed the joint layout design. 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.

D Measurement

The department will measure Concrete Pavement Joint Layout as a single lump sum unit 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
415.5110.S	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 stp-415-020 (20170615)

17. 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 and paid for under the Aggregate Detours, 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://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/rdwy/default.aspx>

A.2 Small Quantities

- (1) The department defines a small quantity, for each individual Base Aggregate bid item, as a contract 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:

A.2.1 Quality Control Plan

- (1) Submit an abbreviated quality control plan consisting of the following:
 1. Organizational chart including names, telephone numbers, current certification(s) with HTCP number(s) and expiration date(s), and roles and responsibilities of all persons involved in the quality control program for material under affected bid items.

A.2.2 Contractor Testing

1.

Contract Quantity	Minimum Required Testing per source
≤ 6000 tons	One stockpile test prior to placement, and two production or one loadout test. ^{[1] [2]}
> 6000 tons and ≤ 9000 tons	One stockpile and Three placement tests ^[3] [4] [5]

- ^[1] Submit production test results to the engineer for review prior to incorporating the material into the work. Production test results are valid for a period of 3 years.
- ^[2] If the actual quantity overruns 6,000 tons, on the next day of placement perform one randomly selected placement test for each 3000 tons, or fraction of 3000 tons, of overrun.
- ^[3] If the actual quantity overruns 9000 tons, on the next day of placement perform one randomly selected placement test for each 3000 tons, or fraction of 3000 tons, of overrun.
- ^[4] For 3-inch material or lift thickness of 3-inch or less, obtain samples at load-out.
- ^[5] Divide the aggregate into uniformly sized sublots for testing
2. Stockpile testing for concrete pavement recycled in place will be sampled on the first day of production.
3. Until a four point running average is established, individual placement tests will be used for acceptance. 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. 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.

A.2.3 Department Testing

- (1) The department will perform testing as specified in B.8 except as follows:
- Department stockpile verification testing prior to placement is optional for contract quantities of 500 tons or less.

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:
Transportation Materials Sampling Technician (TMS) Aggregate Technician I (AGGTEC-I) Aggregate Assistant Certified Technician (ACT-AGG)	Aggregate Sampling ^[1]
Aggregate Technician I (AGGTEC-I) Aggregate Assistant Certified Technician (ACT-AGG)	Aggregate Gradation Testing, Aggregate Fractured Particle Testing, Aggregate Liquid Limit and Plasticity Index Testing

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

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

B.3 Laboratory

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

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

<http://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/tools/appr-prod/qual-labs.aspx>

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 one business day after obtaining a sample. 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 one business day after obtaining a sample. 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 placement tests, include only QC placement 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) Perform one stockpile test from each source prior to placement.
- (3) Test gradation once per 3000 tons of material placed or fraction thereof. 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 or lift thickness of 3-inch or less 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.

- (4) Split each contractor QC sample and identify it according to CMM 8.30. Retain the split for seven calendar days in a dry, protected location. If requested for department comparison testing, deliver the split to the engineer within one business day.
- (5) The engineer may require additional sampling and testing to evaluate suspect material or the technician's sampling and testing procedures.
- (6) 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.
- (7) 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 two 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 four 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 four 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 two 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. Perform one stockpile test from each source prior to 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 or for a lift thickness of 3-inch or less, the department will collect samples 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 according to CMM 8-10.5.2 for the affected Base Aggregate bid items listed in subsection A. The department will administer pay reduction under the Nonconforming QMP Base Aggregate Gradation or Nonconforming QMP Base Aggregate Fracture Administrative items. The department will determine the quantity of nonconforming material as specified in B.7.2.
- stp-301-010 (20170615)

18. Surface Drain Pipe Corrugated Metal Slotted 12-Inch, Item 521.2005.S.01.

A Description

This special provision describes furnishing and installing slotted corrugated metal pipe surface drain as shown on the plans, according to standard spec 521, and as hereinafter provided.

B Materials

Furnish backfill material that is grade A, A-FA, A-S, A-T, A-IS, A-IP, or A-IT concrete conforming to standard spec 501.2 as modified in standard spec 716. Provide QMP for class III ancillary concrete as specified in standard spec 716.

C Construction

Prior to backfilling, plug the upper end of the slotted drain as shown on the plans or as approved by the engineer.

Prior to backfill operations adjacent to the slotted area of the slotted corrugated metal pipe surface drain pipe, install timber blocks in the slots according to the details as shown on the plans. Remove any material entering the pipe at no expense to the department.

Keep the timber blocks in place until final clean up operations are completed; at which time, remove the timber blocks.

Exercise care to avoid damage to the slotted corrugated metal pipe surface drain pipe. If any section of pipe is damaged or is unsatisfactory as determined by the engineer, replace the drain pipe at no expense to the department.

D Measurement

The department will measure Surface Drain Pipe Corrugated Metal Slotted (size), completed according to the contract and accepted, in place by the linear foot.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
521.2005.S.01	Surface Drain Pipe Corrugated Metal Slotted 12-Inch	LF

Payment is full compensation for furnishing all materials; hauling and placing the pipe, including bands; making connections to existing inlets; furnishing concrete, end plug or cap; and for cleaning out and restoring site of work.
stp-521-005 (20150630)

19. Cover Plates Temporary, Item 611.8120.S.**A Description**

This special provision describes furnishing, installing and removing a steel plate to cover and support asphaltic pavement and traffic loading at manholes, inlets and similar structures during milling and paving operations.

B Materials

Provide a 0.25-inch minimum thickness steel plate that extends to the outside edge of the existing masonry.

C (Vacant)**D Measurement**

The department will measure Cover Plates Temporary 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
611.8120.S	Cover Plates Temporary	EACH

Payment is full compensation for furnishing, installing, and removing the cover plates.

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

611-006 (20151210)

20. Trees, Apple Serviceberry “Autumn Brilliance”, B&B, 6-Ft, Item 632.0101; Shrubs, Juniper, Pfitzer “Kallay’s Compact”, Container, 24-Inch Spread, Item 632.0201.

The work under this item shall be according to the plans, standard spec 632, as shown on the plans, and as hereinafter provided.

Add the following to standard spec 632.2.1:

All plants shall be grown within the states of Wisconsin, Minnesota, Michigan, or parts of northern Illinois, Indiana or Ohio located within Zones 4 and 5 of the “Plant Hardiness Zone Map” produced by the United States Department of Agriculture, Miscellaneous Publication No. 1475, issued January, 1990, unless otherwise approved by the engineer.

Modify standard spec 632.2.2.8 as follows:

A list of sources for plants shall be furnished according to standard spec 632.2.2.8 before planting begins for fall-planted plants and before March 15 for spring-planted plants. All sources will be subject to verification by the engineer.

Add the following to standard spec 632.2.3.4:

Planting mixture blend shall be reviewed and approved by the engineer or construction representative before use on project. The engineer reserves the right to reject planting mixture that does not conform to the specifications and/or does not come with the appropriate material certificates. The engineer may require the contractor to take samples (for USDA soil texture classification, pH, % organic matter, nutrient content, cation exchange capacity, soluble salts, and the presence of any materials deleterious to plant growth) and provide testing through a qualified testing laboratory approved by the State of Wisconsin to confirm that topsoil meets the requirements outlined in standard spec 625.

Modify standard spec 632.2.4.2 as follows:

For fertilizer used in plant holes, provide a three-year release, water-soluble fertilizer contained in a micropore slow release polyethylene packet. Each packet shall contain two ounces of fertilizer. A single 2-ounce packet is considered one unit. The fertilizer shall conform to the following minimum requirements:

Nitrogen, not less than ----- 16% Phosphoric Acid, not less than ----- 8% Potash, not less than -----8%

For trees: The contractor shall use a minimum of two units and shall provide two units per caliper inch of tree trunk diameter. For one-half caliper measurements, the contractor shall round up. For example, a 2 ½” caliper tree should receive six units of fertilizer.

For shrubs: The contractor shall use a minimum of two units and shall provide one unit per 12 inches of plant height or spread.

Add the following to standard spec 632.2.6:

Shredded Hardwood Bark Mulch for mulch rings around the base of plant material 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 dark brown in color, 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.

Contractor shall supply source of shredded hardwood bark mulch to the engineer. All sources will be subject to verification and approval by the engineer.

Modify standard spec 632.2.7 as follows:

Do not use wrapping on plant material.

Modify standard spec 632.2.9 as follows:

Provide rodent protection for trees as needed and only as approved by engineer.

Rodent protection shall be rigid plastic mesh made of recycled HDPE with an open mesh matrix $\frac{3}{4}$ " by $\frac{3}{4}$ " with each strand approximately $\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{1}{8}$ ". Product shall be UV treated and shall have a life expectancy of up to five years. Protection shall be 48 inches high. Contractor shall supply source of rodent protection to the engineer. All sources will be subject to verification and approval by the engineer.

Contractor shall use granular or similar rodent bait for shrub and perennial beds as needed and only as approved by engineer.

Add the following to standard spec 632.2.10:

Contractor shall use 18" long soft polymer webbing strap with grommets at end of the two ends to secure wire or twine to tree. Contractor shall supply source of webbing straps to the engineer. All sources will be subject to verification and approval by the engineer.

The contractor shall provide tree stabilization for all trees:

As indicated in the Plant Data Table;

- Planted on slopes greater than 4:1;
- Planted in areas prone to high winds;
- Planted in areas prone to flooding or with seasonally saturated soils;
- At the discretion of the landscape contractor to ensure viable, healthy plantings;
- At the discretion of the engineer.

Modify standard spec 632.3.1 as follows:

The normal spring planting season for all plants shall extend to June 15. The normal fall planting season begins September 15 and shall be completed by November 15 or up until the ground is frozen. Planting of evergreen trees and shrubs, and perennials in the fall shall be completed by October 15. If the overall construction schedule dictates that planting will occur between June 15 and September 15, the landscape contractor must first obtain approval from the engineer to begin installation outside of the normal planting seasons. If the engineer grants approval of the request, the contractor will also be held fully responsible for any and all additional maintenance associated with planting outside of the normal planting seasons including, but not limited to, supplemental watering above and beyond the typical, specified landscape maintenance and care cycle schedule.

Add the following to standard spec 632.3.1:

Contractor shall take care not to damage or disturb adjacent finished landscape and will be responsible for seeding or sodding to repair any and all damage caused to adjacent seeded and/or sodded areas.

Add the following to standard spec 632.3.3:

Landscape contractor shall stake out locations of all plant holes and obtain approval of staked location from construction representative or engineer prior to planting. Notify construction representative or engineer immediately of any discrepancies between the landscape working drawings and actual built condition of sidewalks, curbs, etc. that may affect placement of plant material. Obtain approval prior to planting in revised locations.

Add the following to standard spec 632.3.4:

Ensure that the bottom of the hole is adequately compacted to guard against settling. Tamp or water in as necessary to create a condition by which plants will not settle in the planting beds. The bottom of the root ball shall be in direct contact with the bottom of the hole.

Revise standard spec 632.3.4 as follows:

The minimum horizontal measurement of the plant hole shall be no less than 24 inches greater than the diameter of the ball, container, or root mass for the full depth of the planting hole.

Add the following to standard spec 632.3.7:

Remove the burlap and other wrapping materials including, but not limited to, twine, wire baskets, and plastic ribbon, from the entire root ball of B&B plants unless engineer determines that removal of said material will be detrimental to plant stability and/or establishment.

Revise standard spec 632.3.18.1.1 and standard spec 632.3.18.1.2 as follows:

The plant establishment period shall be two years and shall begin and end on the date of substantial landscape completion as determined by the engineer.

Add the following to standard spec 632.3.19.1:

The contractor shall remove all staking, bracing wire material, and other plant stabilization material at the end of the required establishment period.

The contractor shall leave in place all rodent protection measures at the end of the required establishment period. The interval for a care cycle shall be 10-14 days between April 15 and October 31. There will be 13 required care cycles in a growing season.

The contractor shall provide supplemental water during the April 15 to October 31 maintenance period as often as necessary to ensure healthy, thriving, and established plant material. The contractor will remain solely responsible for plant health and watering maintenance even in the event of irrigation system installation.

21. Landscape Planting Surveillance and Care Cycles, Item 632.9101.

If the care specialist fails to perform any of the required care cycles as specified in standard spec 632.3.19.1, the department will assess daily damages in the amount of \$200 to cover the cost of performing the work with other forces. The department will assess these damages for each day the requirements of the care cycle remain incomplete, except when the engineer extends the required time period.

632-005 (20070510)

22. Temporary Pedestrian Surface Plywood, Item 644.1420.S

A Description

This special provision describes providing, maintaining, and removing temporary pedestrian surface.

B Materials

Furnish 1 1/4-inch dense graded aggregate conforming to standard spec 305.2. Furnish:

- Pressure treated 2x4 framing lumber, pressure treated 3/4-inch plywood with skid resistant surface coating, and weather resistant deck screws 3-1/2-inch minimum for framing and 1-5/8-inch minimum for plywood.

C Construction

Place, compact, and level a dense graded aggregate foundation before placing the surface.

Provide a firm, stable, and slip-resistant surface layer with vertical joints no higher than 1/4 inch and horizontal joints no wider than 1/2 inch. Sheet materials up to 1 inch thick may be lapped if the edge is beveled at 45 degrees or flatter. Asphalt may also be used to ramp up to materials up to 1 inch thick. Construct conforming to the following:

- Framed plywood panels 4 feet wide with a skid resistant surface coating.

Align parallel to the existing roadway grade or, if outside of a street or highway right-of-way, do not exceed 5 percent longitudinal slope. Provide cross slope of 1 to 2 percent unless the engineer approves a steeper cross slope in writing.

Maintain the surface with a 4-foot minimum clear width and the specified joint and slope requirements. Repair or reconstruct installations disturbed during construction operations. Remove and dispose of as specified in standard spec 203.3.4 when no longer required.

D Measurement

The department will measure temporary pedestrian surface by the square foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
644.1420.S	Temporary Pedestrian Surface Plywood	SF

Payment is full compensation for providing, maintaining, and removing temporary pedestrian surface.

stp-644-010 (20150630)

23. Temporary Curb Ramp, Item 644.1601.S.

A Description

This special provision describes providing, maintaining, and removing temporary curb ramps.

B Materials

Furnish materials as follows:

- Asphaltic surface conforming to standard spec 465.2.
- Engineer-approved ready mixed concrete or ancillary concrete conforming to standard spec 602.2 except no QMP is required.
- Commercially available prefabricated curb ramps conforming to Americans with Disabilities Act Accessibility Guidelines.

Furnish yellow detectable warning fields conforming to Americans with Disabilities Act Accessibility Guidelines. Use either an engineer-approved surface-applied type or cast iron from the department's approved products list.

C Construction

Provide and maintain temporary curb ramps, including detectable warning fields, throughout the project duration. Place and compact a dense graded aggregate foundation before placing the curb ramp, unless the curb ramp is to be placed on existing roadway surface.

Remove and dispose temporary curb ramps and associated detectable warning fields when no longer required.

D Measurement

The department will measure temporary curb ramps by each individual ramp, 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
644.1601.S	Temporary Curb Ramp	EACH

Payment is full compensation for providing, maintaining, and removing temporary curb ramps.

stp-644-020 (20150630)

24. Temporary Pedestrian Safety Fence, Item 644.1616.S.

A Description

This special provision describes providing, maintaining, and removing the temporary pedestrian safety fence.

B Materials

Furnish notched metal "T" or "U" shaped fence posts weighing 1 1/3 pounds per foot or more.

Furnish select 2x4 dimensional lumber.

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
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

The engineer may allow prefabricated fencing systems conforming to Americans with Disabilities Act Accessibility Guidelines.

C Construction

Provide a continuous safety fence with the top edge free of sharp or rough edges.

Repair or reconstruct installations disturbed during construction operations. Remove and dispose of as specified in standard spec 204.3 when no longer required.

D Measurement

The department will measure Temporary Pedestrian Safety Fence by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
644.1616.S	Temporary Pedestrian Safety Fence	LF

Payment is full compensation for providing, maintaining, and removing the temporary pedestrian safety fence.

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25. Traffic Signal Face 3S 12-Inch, Item 658.0173; Traffic Signal Face 4S 12-Inch, Item 658.0174; Pedestrian Signal Face 16-Inch, Item 658.0416.

A Description

This provision requires the components of the Lighting and Traffic Signal Units to be painted black.

Modify standard spec 658.2.2.2 (1) to say:

Furnish Polycarbonate resin housings, doors, visors and backplates. Use black colored housings and dull black door faces, visors and backplates. Ensure that the door is sized for 12-inch nominal diameter lenses and held shut with eyebolts secured with wing nuts. Use cut away or tunnel type visors as the plans show. Use flat backplates the project 5 inches beyond all sides of the signal housing.

Modify standard spec 658.2.3.2 (1) to say:

Furnish Polycarbonate resin housings, doors, and visors. Use black colored housings and dull black door faces and visors. For 16-inch heads, mount a z-crate visor and gasket to the door with stainless steel tabs. Drill the housing for top and bottom pipe mounting.

26. Temporary Traffic Signals for Intersections (STH 16), Item 661.0200.01.

A Description

This work shall be according to the requirements of standard spec 661, except as hereinafter amended.

Replace standard spec 661.2.1 (1) as follows:

(1) Furnish TS2 Type 1 control cabinet and control equipment. The department will supply, maintain and install a TS2 controller, video detection system and Cellular modem. The cabinet must be equipped with at least three open non- GFI receptacles, SDLC connector and open shelf space to be used by the video detection processor. The video detection will be installed and maintained by the department and placed on the contractor installed poles and span wires. Provide a cabinet with a Corbin #2 door lock and an access door that allows placing the controller in emergency flash. Provide keys to the access door to the engineer and law enforcement agencies as required. Supply a cabinet complete with programmed MMU, load switches, relays and etc. capable of executing the sequence of operations supplied in this contract for this temporary traffic signal. Test traffic signal control cabinets before installation. The department will be responsible for all signal timing changes.

Replace standard spec 661.2.2.2 as follows:

Furnish LED modules as specified in standard spec 658.3.2.

Replace standard spec 661.2.2.3 as follows:

Furnish traffic signal mounting hardware as specified in standard spec 658.2.1.

27. Rock Excavation for Utilities, Item SPV.0035.01; Imported Granular Backfill for Sanitary Sewer, Item SPV.0035.02; Imported Granular Backfill for Water Main, Item SPV.0035.03.

A Description

This special provision describes furnishing and installing Rock Excavation; Imported Granular Backfill (for Sanitary Sewer Utility); Imported Granular Backfill (for Water Utility) as shown on the plans, in accordance with the pertinent provisions of standard spec 607, conforming to the requirements in the entitled Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017, and as hereinafter provided.

B Materials

All materials utilized in these sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

C Construction

Construction of these sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

D Measurement

The department will measure Rock Excavation; Imported Granular Backfill (for San. Sewer); Imported Granular Backfill (for Water Main) by each individual 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.0035.01	Rock Excavation for Utilities	CY
SPV.0035.02	Imported Granular Backfill for Sanitary Sewer	CY
SPV.0035.03	Imported Granular Backfill for Water Main	CY

Payment is full compensation for all labor, tools, equipment, materials, and incidentals necessary to complete the contract for all work herein. Excavating, trucking and compaction shall be included in the contract price.

28. Planting Mixture, Item SPV.0035.04.

A Description

This special provision describes furnishing and installing Planting Mixture at the locations shown on the plans and according to the requirements of standard spec 632, the plans, and as hereinafter provided.

B Materials

The landscape contractor who is responsible for furnishing and installing plant material shall also be solely responsible for obtaining planting mixture components, blending the mixture to the specified proportions, and for furnishing and installing the planting mixture.

B.1 Planting Mixture

The planting mixture consists of the following blend by volume:

- 2 parts topsoil. Topsoil shall conform to standard spec 625.
- 1 part sand. Obtain the engineer's approval for the sand.
- 1 part compost. Compost shall be either well-rotted shredded leaf mulch, free of disease; or well-rotted, unbleached, stable or cattle manure containing no more than 25 percent by volume of straw, sawdust, or other bedding materials and free of toxic substances. Either shall be free of stones, sticks, soil, weed seeds, debris, and other material harmful to plant growth.
- 1 part peat moss. Peat moss shall conform to standard spec 632.

C Construction

C.1 Coordination

Planting Mixture shall be delivered to project site and installed no more than seven days before the start of planting operations for areas receiving Planting Mixture. It is the sole responsibility of the landscape contractor to fully coordinate and schedule the delivery and installation of the Planting Mixture with the delivery and installation of all landscape plant materials.

C.2 Planting Mixture Preparation and Placement

Contractor shall provide, in writing to the engineer, a list of all materials used in Planting Mixture including manufacturers and quantities and shall ensure that all materials meet the standards set forth in standard spec 625 and 632 and produce a planting mixture that provides a stable, healthy soil for plant growth.

Ensure proper excavation of planting area for all areas to receive Planting Mixture. Prepare areas by removing any construction materials, stone, or other debris larger than 2" in length or diameter for all areas.

Provide Planting Mixture for the central island of the roundabout planting bed as indicated in the plans.

Provide Planting Mixture over entire planting bed area and fine grade to match grades as indicated on plans or to adjacent back of curb or other hardscape surface as indicated on plans and account for settling. Place Planting Mixture in 6-inch to 8-inch lifts, watering in or tamping to reduce settling potential. A minimum of 24" depth shall be provided in the central island of the roundabout as indicated in the plans.

Obtain approval of Planting Mixture depths, locations, and elevations by supervising engineer prior to planting.

D Measurement

The department will measure Planting Mixture by the cubic yard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.04	Planting Mixture	CY

Payment is full compensation for excavating existing material out, and for furnishing and installing all materials.

29. Concrete Bases Type Special, Item SPV.0060.01.

A Description

This special provision describes furnishing and installing lighting a concrete light foundation as shown on the plans and as hereinafter provided.

B Materials

The concrete light foundation shall be constructed with materials and methods as specified in the details in the plan.

C Construction

The Concrete Base Type Special shall be modified to have an anchor bolt circle, orientation, and anchor bolt size that will accommodate the pole manufacturer's requirements. Anchor bolt exposure shall accommodate the specified pole base requirements. Bar steel reinforcement shall be modified as necessary to accommodate new anchor bolt placement.

D Measurement

The department will measure Concrete Bases Type Special, completed according to the contract and accepted, as each unit.

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	Concrete Bases Type Special	EACH

Payment is full compensation for furnishing and installing all materials, including anchor bolts, conduit, hardware and fittings.

30. Poles Over Height Type 13, Item SPV.0060.02; Monotube Arms 45-Ft, Item SPV.0060.03; Monotube Arms 50-Ft, Item SPV.0060.04; Luminaire Arms Steel 15-Ft, Item SPV.0060.05.

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 according to the requirements of ASTM Designation A123. The hardware shall be hot-dipped galvanized according 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 according to the pertinent sections 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 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.0060.02	Poles Over Height Type 13	EACH
SPV.0060.03	Monotube Arms 45-Ft	EACH
SPV.0060.04	Monotube Arms 50-Ft	EACH
SPV.0060.05	Luminaire Arms Steel 15-Ft	EACH

Payment is full compensation for furnishing and installing all materials.

31. Traffic Signal Controller Actuated 8 Phase, Item SPV.0060.06.

A Description

- (1) This special provision describes furnishing and installing traffic signal controllers as shown on the plans and as hereinafter provided.
- (2) 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, the SPO Manager at the department's Regional Office, and to the Electrical Section at the department's Central Office in Madison.

- (3) 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.
- (4) 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.
- (5) The delivered cabinet at the intersection shall perform according 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.
- (6) 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.
- (7) 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.
- (8) 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 according to the accompanying plans and with NEMA Standards Publication No. TSI-1976 including Revisions No. 1 and No. 2.
- (9) The intersection controller unit shall be capable of up to 8-phase operation plus four (4) 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

- (1) 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

- (1) 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

- (1) 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

- (1) 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 according 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. (d) 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

- (1) 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

- (1) 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

- (1) 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

- (1) 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

- (1) 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.
- (2) The controller shall have an on off switch and fuse for AC power.

B.10 Data Display

- (1) 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

- (1) 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

- (1) 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
- (2) Each board must be easily removable without requirements for special tools.
- (3) The microprocessor supplied shall be the type that has a Fluke Pod that is compatible.

- (4) 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

- (1) 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 start up (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 ±150 milliseconds. This failure shall always be considered a latched failure when enabled.

D Terminal Facilities

- (1) 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.

- (2) 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.
- (3) Fuse all interconnect terminal facilities to incoming lines.

E Cabinet Switches

- (1) Locate the following switches inside the cabinet on a maintenance panel:
 - a. Controller On/Off
 - b. Cabinet Light
 - c. Stop Time (Three Position)

POSITION	LABEL SWITCH	FUNCTION
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

- (2) Provide switches for all vehicle phases and all even pedestrian phases.
- (3) Locate the following switches behind the Police access door:
 - a. Signal/Off
 - b. Flash/Normal

- (4) The above switches shall function as follows:

Signal		Off
Flash	Signals Flash	Signals Dark
Normal	Signals Normal	Signals Dark

- (5) 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

- (1) Furnish the controller completely housed in a door-in-door ground mounted (without anchor bolts) metal of minimum size 34" wide, 20" deep, and 45" high.
- (2) 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.
- (3) All cabinets shall have the following:
 1. A 15-amp circuit breaker for auxiliary equipment.
 2. A 20-amp circuit breaker for street lighting.
 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.
- (4) 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.
 - (5) 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.
 - (6) **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.
 - (7) 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.
 - (8) 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.
 - (9) 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.

- (10) 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.
- (11) 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.
- (12) 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.
- (13) 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.
- (14) 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

- (1) Load switches shall meet the requirements of NEMA TSI-Part 5 for three circuit load switches.
- (2) 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.
- (3) 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.
- (4) 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

- (1) Submit detailed shop drawings of the control cabinet, equipment layout drawings and wiring diagrams of all equipment installed in the controller cabinet to the department 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.
- (2) 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

- (1) 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 manufacturer'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.
- (2) 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 department shall then return the spare component to the supplier.

J Preemption

J.1 General

- (1) These specifications detail a preemptor program for use with 2 through 8-phase-actuated controller.
- (2) The preemptor shall be capable of being adaptable to meet the various types of applications such as railroad, fire station, and bridge preempts.
- (3) 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

- (1) 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.
- (2) 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.

- (3) 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.
- (4) 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.
- (5) 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.
- (6) 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

- (1) These specifications detail a Time Base Coordinator program for use with 2 through 8-phase actuated controller.
- (2) 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.
- (3) 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

L.1 Materials and Construction Methods

- (1) All loop detector amplifiers supplied shall be two channel shelf-mounted units with digital output timing, and sequential scanning. The amplifier shall operate in compliance with all the requirements specified herein, when connected to an inductance loop plus lead-in of from 0 to 1000 microhenries with a loop parameter as low as 5.0 at the amplifiers operating frequency.
- (2) Each channel shall be self-tuning and shall be fully operational within one minute after power up. After a power interruption, the channel shall automatically return to normal operation. Two conventional single channel front panel mounted MS3102a18-1P connectors for each amplifier shall be provided.
- (3) Each channel shall have a fail-safe design such that if the loop sensor circuit is broken, the channel shall output a continuous vehicle call.
- (4) Couple the loop sensor to the channel input circuitry through isolation transformers. This arrangement shall provide continued operation of the channel even if the loop sensor in the street develops resistive leakage or becomes grounded.
- (5) Provide lightning protection for each amplifier as an integral part of its own circuitry. The protection shall enable the detector to withstand the discharge of a 10 microfarad capacitor, charged to ± 1000 volts. The discharge shall be applied directly across the detector loop input pins with no loop load present. The protection shall also enable the detector to withstand the discharge from a 10 microfarad capacitor, charged to 1 to 2000 volts. The discharge shall be applied directly across either the detector loop input pins or across either side of the loop input pins to earth ground. For this test, the detector chassis shall be grounded and the detector loop input pins shall have a 5.0 ohm dummy resistive load connected across them.
- (6) The detector circuits shall be so designed that changes due to environmental drift and applied power shall not cause an actuation. The detectors shall be capable of compensating or tracking for an environmental change of up to but not exceeding 1×10 minus 3% charge in inductance per second. This requirement must be met within two hours after initial application of operating power.
- (7) Each detector channel shall have a minimum of three sensitivity settings and these shall be front panel selectable. The most sensitive setting shall respond to an inductance change of 0.02%. The least sensitive setting may be chosen by the manufacturer such that accurate and repeatable occupancy measurements may be obtained. This setting must cause the detector channel to respond to a 0.14-0.4% charge in inductance.
- (8) Each detector channel shall have a front panel mounted indicator to provide a visual indication of each vehicle detection. A detector channel shall not cross talk with any other channel within the same module.

- (9) The unit shall operate over input voltage from 95VAC to 135VAC and shall neither originate nor be sensitive to electrical transients in excess of proposed NEMA standards. Provide varistors between power lines to limit transient voltages.
- (10) Provide extension and delay timing for each channel independently as described below:

L.2 Delay Timing

- (1) Delay detector output for selected interval of 1 to 30 seconds in 1-second increments. Each new detection restarts the delay timer.

L.3 Extension Timing

- (1) Extends vehicle calls up to 7.75 seconds in 0.50 second increments.

L.4 Green Gating

- (1) Green signals from the controller shall be wired to the detector to modify timing functions. When green is true, delay timing is disabled. When green is false, extension timing is disabled. The green input signals may be DC or direct line voltage AC.

L.5 Smart Indicators

- (1) Normal indicator operation is provided when neither timer is active. Delay and extensions are distinguished by 4 hertz and 16 hertz flashing respectively.
- (2) Provide the necessary Loop Detector Amplifiers as required on the plan.

M Controller Operation

- (1) 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.
- (2) 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.
- (3) 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.
- (4) 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

- (1) The department will measure Traffic Signal Controller Actuated 8-Phase, as each unit of work, acceptably completed according to the contract.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.06	Traffic Signal Controller 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.

32. Perennials, Feather Reed Grass Karl Foerster CG 1 Gal, Item SPV.0060.07; Perennials, Prairie Dropseed CG 1 Gal, Item SPV.0060.55.

A Description

This special provision describes furnishing and installing Perennial Plants at the locations shown on the plans and according to the requirements of standard spec 632, the plans, and as hereinafter provided.

B Materials

Provide Perennial Plants, as shown on plan, and complying with American Standard for Nursery Stock (ANSI Z60.1-2004) for type, shape, and height.

Plant Materials

All plants shall be grown within the states of Wisconsin, Minnesota, Michigan, or parts of northern Illinois, Indiana or Ohio located within Zones 4 and 5 of the "Plant Hardiness Zone Map" produced by the United States Department of Agriculture, Miscellaneous Publication No. 1475, issued January, 1990, unless otherwise approved by the engineer.

A list of sources for plants shall be furnished according to standard spec 632.2.2.8 before planting begins for fall-planted plants and before March 15 for spring-planted plants. All sources will be subject to verification by the engineer.

Provide type B fertilizer.

C Construction

Ensure that Planting Mixture has been placed according to specifications. Stake out location of plantings for approval by supervising engineer.

Ensure that the bottom of the hole is adequately compacted to guard against settling. Tamp or water in as necessary to create a condition by which plants will not settle in the planting beds. The bottom of the root ball shall be in direct contact with the bottom of the hole.

Install Perennial Plants and mulching as shown on the plan and as per the standard specifications.

D Measurement

The department will measure Perennials (type) by each unit, acceptably complete in place.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.07	Perennials, Feather Reed Grass Karl Foerster CG 1 Gal	EACH
SPV.0060.55	Perennials, Prairie Dropseed CG 1 Gal	EACH

Payment for Perennials bid item are full compensation for providing, transporting, handling, storing, pruning, placing, and replacing plant materials; for excavating all plant holes, salvaging topsoil, mixing, and backfilling; for providing and applying all required fertilizer, mulch, water, rodent protection, herbicides and anti-desiccant spray; and for disposing of all excess and waste materials.

- 33. Black Paint Traffic Signal Controller Cabinet, Item SPV.0060.08; Black Paint Poles Over Height Type 13, Item SPV.0060.50; Black Paint Monotube Arms 45-Ft, Item SPV.0060.51; Black Paint Monotube Arms 50-Ft, Item SPV.0060.52; Black Paint Luminaire Arms Steel 15-Ft, Item SPV.0060.53; Black Paint Pedestal Bases, Item SPV.0060.54; Black Paint Traffic Signal Standard Aluminum 3.5', Item SPV.0060.56; Black Paint Traffic Signal Standard Aluminum 15', Item SPV.0060.57; Black Paint Luminaires Utility LED C, SPV.0060.62; Black Paint Lighting Control Cabinet, Item SPV.0060.63.**

A Description

This provision requires the components of the Lighting and Traffic Signal Units, including 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, to be painted black. The work under this item shall conform to standard spec 657, 658, and 659 and as hereinafter provided.

B Materials

- (1) Poles, standards and Arms: Poles, Standards and Arms will be factory black powder coat finished so as to produce a uniform appearance. Nut covers and pole cap will be finished to match pole.

- (2) Transformer and Pedestal Bases: Shall be provided with a black powder coat finish. The black finish will be applied to match the color/finish of the pole.
- (3) Luminaires: The luminaire housing will have a black painted finish to match the color/finish of the pole/arm.

C Construction

Components when assembled will appear as one uniformly colored unit. Touch up paint will be included and applied by the contractor to all scratches and construction blemishes as to match the original black factory color and finish.

D Measurement

The department will measure Black Paint (item) as each unit, complete and accepted in place.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.08	Black Paint Traffic Signal Controller Cabinet	EACH
SPV.0060.50	Black Paint Poles Over Height Type 13	EACH
SPV.0060.51	Black Paint Monotube Arms 45-Ft	EACH
SPV.0060.52	Black Paint Monotube Arms 50-Ft	EACH
SPV.0060.53	Black Paint Luminaire Arms Steel 15-Ft	EACH
SPV.0060.54	Black Paint Pedestal Bases	EACH
SPV.0060.56	Black Paint Traffic Signal Standard Aluminum 3.5'	EACH
SPV.0060.57	Black Paint Traffic Signal Standard Aluminum 15'	EACH
SPV.0060.62	Black Paint Luminaires Utility LED C	EACH
SPV.0060.63	Black Paint Lighting Control Cabinet	EACH

Painted Unit, measured as provided above, will be paid for at the contract unit price each, which price will be full compensation for furnishing and installing all materials, labor, tools, equipment and incidentals necessary to complete this work.

34. **Water Manhole, Item SPV.0060.09; Water Manhole Cover Type J Special, Item SPV.0060.10; Adjust Water Valve Box with New Box Top, Item SPV.0060.11; Install Water Valve Box on Existing Valve, Item SPV.0060.12; Water Valve and Box 6-Inch, Item SPV.0060.13; Water Valve and Box 8-Inch, Item SPV.0060.14; Water Valve and Box 12-Inch, Item SPV.0060.15; Tee 12-Inch x 12-Inch x 12-Inch, Item SPV.0060.16; Tee 12-Inch x 8-Inch x 12-Inch, Item SPV.0060.17; Tee 12-Inch x 6-Inch x 12-Inch, SPV.0060.18; Tee 8-Inch x 6-Inch x 8-Inch, SPV.0060.19; Tee 8-Inch x 8-Inch x 8-Inch, Item SPV.0060.20; Bend 45 Degree 12-Inch, Item SPV.0060.21; Bend 22.5 Degree 12-Inch, Item SPV.0060.22; Bend 22.5 Degree 8-Inch, Item SPV.0060.23; Bend 45 Degree 8-Inch, Item**

SPV.0060.24; Bend 45 Degree 6-Inch, Item SPV.0060.26; Reducer 8-Inch x 6-Inch, Item SPV.0060.27; Reducer 12-Inch x 8-Inch, Item SPV.0060.28; Sleeve 6-Inch, Item SPV.0060.29; Sleeve 8-Inch, Item SPV.0060.30; Plug 6-Inch, Item SPV.0060.31; Corporation & Curb Stop & Box & Reconnect/Cap (Set) 1-Inch, SPV.0060.32; Fire Hydrant Extension 12-Inch, SPV.0060.33; Fire Hydrant Extension 6-Inch, SPV.0060.34; Fire Hydrant, SPV.0060.35; Connect To Existing Water Main, SPV.0060.36; Sanitary Sewer Manhole Type 1, SPV.0060.37; Sanitary Sewer Manhole Type 1 with Outside Drop, SPV.0060.38; Sanitary Sewer 15-Inch x 15-Inch PVC Pipe Sleeve, Item SPV.0060.39; Sanitary Sewer 8-Inch Dia. X 2-Ft Stub with Plug, Item SPV.0060.40; Sanitary Sewer Wye 8-Inch Main x 6-Inch /w Tracer Wire and Terminal Box, Item SPV.0060.41; Sanitary Sewer Wye 10-Inch Main x 6-Inch /w Tracer Wire and Terminal Box, Item SPV.0060.42; Sanitary Sewer Wye 12-Inch Main x 6-Inch /w Tracer Wire and Terminal Box, Item SPV.0060.43; Connect to Existing Sanitary Sewer Manhole, Item SPV.0060.44; Connect to Existing Sanitary Sewer Main, Item SPV.0060.45; Sanitary Manhole Covers Type J , Item SPV.0060.46; Adjusting Sanitary Manhole Covers Type A, Item SPV.0060.47; Abandon Water Manhole, Item SPV.0060.48; Rigid Insulation 4-Ft x 8-Ft x 2-Inch, Item SPV.0060.49; Adjust Water Valve Box Top, Item SPV.0060.60; Corporation & Curb Stop & Box & Reconnect/Cap (Set) 2-Inch, SPV.0060.61; Abandon Existing Water Main, Item SPV.0060.64; Abandon Existing Sanitary Sewer Main, Item SPV.0060.65.

A Description

This special provision describes Water Manhole; Water Manhole Cover Type J Special; Adjust Water Valve Box with New Box Top; Install Water Valve Box On Existing Valve; Water Valve and Box 6-Inch; Water Valve and Box 8-Inch; Water Valve and Box 12-Inch; Tee 12-inch x 12-inch x 12-inch; Tee 12-inch x 8-inch x 12-inch; Tee 12-inch x 6-inch x 12-inch; Tee 8-inch x 6-inch x 8-inch; Tee 8-inch x 8-inch x 8-inch; Bend 45 Degree 12-inch; Bend 22.5 Degree 12-inch; Bend 22.5 Degree 8-inch; Bend 45 Degree 8-inch; Bend 45 Degree 6-inch; Reducer 8-inch x 6-inch; Reducer 12-inch x 8-inch; Sleeve 6-inch; Sleeve 8-inch; Plug 6-inch; Corporation & Curb Stop & Box & Reconnect/Cap (set) 1-inch; Fire Hydrant Extension 12-inch; Fire Hydrant Extension 6-inch; Fire Hydrant; Connect to Existing Water Main; Sanitary Sewer Manhole Type 1; Sanitary Sewer Manhole Type 1 with Outside Drop; Sanitary Sewer 15-inch x 15-inch PVC Pipe Sleeve; Sanitary Sewer 8-inch dia. X 2-ft Stub with Plug; Sanitary Sewer Wye 8-inch Main x 6-inch w/ Tracer Wire and Terminal Box; Sanitary sewer Wye 10-inch Main x 6-inch w/ Tracer Wire and Terminal Box; Sanitary Sewer Wye 12-inch Main x 6-inch w/ Tracer Wire and Terminal Box; Connect to Existing Sanitary Sewer Manhole; Connect to Existing Sanitary Sewer Main; Sanitary Sewer Manhole Covers Type J; Adjusting Sanitary Manholes Type A; Abandon Water Manhole; Rigid Insulation, 4-ft x 8-ft x 2-inch; Adjust Water Valve Box Top;

Corporation & Curb Stop & Box & Reconnect/Cap (set) 2-inch; Abandoning Existing Water Main; Abandon Existing Sanitary Sewer Main.

B Materials

All materials utilized in these sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

C Construction

Construction of these sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

D Measurement

The department will measure Water Manhole; Water Manhole Cover Type J Special; Adjust Water Valve Box with New Box Top; Install Water Valve Box On Existing Valve; Water Valve and Box 6-Inch; Water Valve and Box 8-Inch; Water Valve and Box 12-Inch; Tee 12-inch x 12-inch x 12-inch; Tee 12-inch x 8-inch x 12-inch; Tee 12-inch x 6-inch x 12-inch; Tee 8-inch x 6-inch x 8-inch; Tee 8-inch x 8-inch x 8-inch; Bend 45 Degree 12-inch; Bend 22.5 Degree 12-inch; Bend 22.5 Degree 8-inch; Bend 45 Degree 8-inch; Bend 45 Degree 6-inch; Reducer 8-inch x 6-inch; Reducer 12-inch x 8-inch; Sleeve 6-inch; Sleeve 8-inch; Plug 6-inch; Corporation & Curb Stop & Box & Reconnect/Cap (set) 1-inch; Fire Hydrant Extension 12-inch; Fire Hydrant Extension 6-inch; Fire Hydrant; Connect to Existing Water Main; Sanitary Sewer Manhole Type 1; Sanitary Sewer Manhole Type 1 with Outside Drop; Sanitary Sewer 15-inch x 15-inch PVC Pipe Sleeve; Sanitary Sewer 8-inch dia. X 2-ft Stub with Plug; Sanitary Sewer Wye 8-inch Main x 6-inch w/ Tracer Wire and Terminal Box; Sanitary sewer Wye 10-inch Main x 6-inch w/ Tracer Wire and Terminal Box; Sanitary Sewer Wye 12-inch Main x 6-inch w/ Tracer Wire and Terminal Box; Connect to Existing Sanitary Sewer Manhole; Connect to Existing Sanitary Sewer Main; Sanitary Sewer Manhole Covers Type J; Adjusting Sanitary Manholes Type A; Abandon Water Manhole; Rigid Insulation, 4-ft x 8-ft x 2-inch; Adjust Water Valve Box Top; Corporation & Curb Stop & Box & Reconnect/Cap (set) 2-inch; Abandon Existing Water Main; Abandon Existing Sanitary Sewer Main by each individual unit acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.09	Water Manhole	EACH
SPV.0060.10	Water Manhole Cover Type J Special	EACH
SPV.0060.11	Adjust Water Valve Box with New Box Top	EACH
SPV.0060.12	Install Water Valve Box on Existing Valve	EACH
SPV.0060.13	Water Valve And Box 6-Inch	EACH
SPV.0060.14	Water Valve And Box 8-Inch	EACH
SPV.0060.15	Water Valve And Box 12-Inch	EACH
SPV.0060.16	Tee 12-Inch x 12-Inch x 12-Inch	EACH

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.17	Tee 12-Inch x 8-Inch x 12-Inch	EACH
SPV.0060.18	Tee 12-Inch x 6-Inch x 12-Inch	EACH
SPV.0060.19	Tee 8-Inch x 8-Inch x 8-Inch	EACH
SPV.0060.20	Tee 8-Inch x 6-Inch x 8-Inch	EACH
SPV.0060.21	Bend 45 Degree 12-Inch	EACH
SPV.0060.22	Bend 22.5 Degree 12-Inch	EACH
SPV.0060.23	Bend 22.5 Degree 8-Inch	EACH
SPV.0060.24	Bend 45 Degree 8-Inch	EACH
SPV.0060.26	Bend 45 Degree 6-Inch	EACH
SPV.0060.27	Reducer 8-Inch x 6-Inch	EACH
SPV.0060.28	Reducer 12-Inch x 6-Inch	EACH
SPV.0060.29	Sleeve 6-Inch	EACH
SPV.0060.30	Sleeve 8-Inch	EACH
SPV.0060.31	Plug 6-Inch	EACH
SPV.0060.32	Corporation & Curb Stop & Box & Reconnect/Cap (Set) 1-Inch	EACH
SPV.0060.33	Fire Hydrant Extension 12-Inch	EACH
SPV.0060.34	Fire Hydrant Extension 6-Inch	EACH
SPV.0060.35	Fire Hydrant	EACH
SPV.0060.36	Connect to Existing Water Main	EACH
SPV.0060.37	Sanitary Sewer Manhole Type 1	EACH
SPV.0060.38	Sanitary Sewer Manhole Type 1 with Outside Drop	EACH
SPV.0060.39	Sanitary Sewer 15-Inch x 15-Inch PVC Pipe Sleeve	EACH
SPV.0060.40	Sanitary Sewer 8-Inch Dia. x 2-Ft Stub With Plug	EACH
SPV.0060.41	Sanitary Sewer Wye 8-Inch Main x 6-Inch /w Tracer Wire and Terminal Box	EACH
SPV.0060.42	Sanitary Sewer Wye 10-Inch Main x 6-Inch /w Tracer Wire and Terminal Box	EACH
SPV.0060.43	Sanitary Sewer Wye 12-Inch Main x 6-Inch /w Tracer Wire and Terminal Box	EACH
SPV.0060.44	Connect to Existing Sanitary Sewer Manhole	EACH
SPV.0060.45	Connect to Existing Sanitary Sewer Main	EACH
SPV.0060.46	Sanitary Sewer Manhole Covers Type J	EACH
SPV.0060.47	Adjusting Sanitary Manholes Type A	EACH
SPV.0060.48	Abandon Water Manhole	EACH
SPV.0060.49	Rigid Insulation 4-Ft x 8-Ft x 2-Inch	EACH
SPV.0060.60	Adjust Water Valve Box Top	EACH
SPV.0060.61	Corporation & Curb Stop & Box & Reconnect/Cap (Set) 2-Inch	EACH
SPV.0060.64	Abandon Existing Water Main	EACH
SPV.0060.65	Abandon Existing Sanitary Sewer Main	EACH

Payment is full compensation for all labor, tools, equipment, materials, and incidentals necessary to complete the contract for all work herein as specified. Excavating, bedding materials, backfilling, fittings, reaction blocking and joint restraint shall be included in the contract price.

35. Manholes 9-Ft Diameter, Item SPV.0060.25.

A Description

This special provision describes constructing manholes according to standard spec 611 and the details show in the plans.

B Materials

Furnish materials conforming to standard spec 611.

Brick masonry and concrete block or block masonry will not be allowed in the construction of this item.

Cast in place concrete masonry will require an engineered design approved by the department prior to installation.

C Construction

Construction will conform to standard spec 611.

The wall thickness of the structure shall be a minimum of 10 inches.

D Measurement

The department will measure Manhole 9-Ft Diameter per each, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.25	Manholes 9-Ft Diameter	EACH

Payment is full compensation for providing materials, including masonry, conduit and sewer connections, steps, and other fittings; for excavating, backfilling, disposing of surplus material, and for cleaning out and restoring the work site; except that the department will pay for covers, including frames, grates and lids separately.

The department will apply contract unit prices without adjustment to the quantity of Manhole 9-Ft Diameter constructed to depths not greater than one foot above or below the elevations, the plans show. Manhole 9-Ft Diameter that the engineer orders constructed to depths greater than one foot above or below the elevations the plans show as specified for extra work in standard spec 109.4.

36. Lighting Unit Type Special, Item SPV.0060.58; Lighting Unit Type Special 1, Item SPV.0060.59.

A Description

This special provision describes furnishing and installing lighting units complete with LED luminaires, luminaire arms, poles and decorative bases, and 20-amp festoon receptacles with metallic enclosures.

B Materials

Lighting Units to withstand the maximum loading applied as the standard detail drawings included in the plans show. Apply design factors to this structure conforming to the latest AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, together with a wind pressure based on a wind velocity of 90 mph plus gust factor. Roadway lighting poles, arms and luminaires shall be as shown in the Plan details and Lighting Unit Schedule.

The luminaires shall be "UL" listed and equipped with an internal LED driver, surge protection, and 4000 Kelvin LED lamps.

The poles shall be equipped with a 20-amp WR-rated GFCI receptacle and include a weatherproof, metallic in-use cover mounted at a location indicated in the Plans.

The poles shall be equipped with surface mounted breakaway banner arm brackets.

All pole components shall be factory finished black in color.

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 dimensions of all equipment shown in the plans.

Construct poles of materials having sufficient rigidity so that with all material installed and in place as the plans show, the centerline of the shaft appears vertical. If pole vibration is probable, it is the manufacturer's responsibility to include vibration dampers where necessary.

Provide a reinforced hand hole located near the bottom of the pole as per manufacturer's requirements. Provide a reinforced receptacle penetration and mounting plates to accommodate banner arm brackets.

All threaded equipment mounting hardware shall be stainless steel.

Provide a grounding lug complete with mounting hardware as required inside the pole. Provide access to the grounding lug from the hand hole. Mount the grounding lug by welding it directly opposite the hand hole on the inside wall of the pole.

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

C Construction

Under the bid items Lighting Unit Type Special and Lighting Unit Type Special 1, furnish and install poles, luminaires, and all necessary miscellaneous accessories and hardware to complete the installation of the poles as shown in the plan details.

Three 1/c No. 12 stranded wires shall be used to connect the luminaires and receptacles to their respective branch conductors in the pole base. Each luminaire shall be protected by two 6-amp fuses. Each GFCI receptacle shall be protected by one 20-amp fuse. Fuses and fuse holders shall be as per the details in the Plan.

Install poles at locations specified in the plan details.

All threaded stainless steel hardware and dissimilar metal, threaded hardware shall be coated with an approved zinc-based anti-seize compound (Loctite or Jet-Lube) by the contractor. This includes, but is not limited to hardware on luminaires, poles, arms, and fuse holders.

After completing pole erection, ensure the centerline of the shaft is vertical.

The contractor shall follow manufacturer's instructions regarding luminaire and pole installation.

D Measurement

The department will measure Lighting Unit Type Special and Lighting Unit Type Special 1, as each individual lighting 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.0060.58	Lighting Unit Type Special	EACH
SPV.0060.59	Lighting Unit Type Special 1	EACH

Payment is full compensation for furnishing and installing all materials, including poles, arms, luminaires, receptacles, banner arm brackets, and all pole accessories, hardware and fittings necessary to install the lighting unit workable first class condition, and for furnishing all labor, tools, equipment and incidentals necessary to complete the contract work.

37. Concrete Curb & Gutter 18-Inch Type G, Item SPV.0090.01.

A Description

This special provision describes constructing concrete curb and gutter according to standard spec 601 and the details shown in the plans.

B Materials

Furnish materials conforming to standard spec 601.

C Construction

Construction will conform to standard spec 601 and the details shown in the plans.

D Measurement

The department will measure Concrete Curb & Gutter 18-Inch Type G by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Concrete Curb & Gutter 18-Inch Type G	LF

Payment is full compensation for furnishing all foundation preparation; all special construction required at driveway and alley entrances, or curb ramps; for sawing joints; and for disposing of surplus excavation material, and restoring the work site. Payment also includes providing tie bars in unhardened concrete.

- 38. Water Main Ductile Iron 6-Inch, Item SPV.0090.02; Water Main Ductile Iron 8-Inch, Item SPV.0090.03; Water Main Ductile Iron 12-Inch, Item SPV.0090.04; Sanitary Sewer Pipe PVC 8-Inch, Item SPV.0090.05; Sanitary Sewer Pipe PVC 10-Inch, Item SPV.0090.06; Sanitary Sewer Pipe PVC 15-Inch, Item SPV.0090.08; Sanitary Sewer Service 4-Inch, Item SPV.0090.09; Sanitary Sewer Service 6-Inch, Item SPV.0090.10; Water Service 1-Inch Copper, Item SPV.0090.11; Water Service 2-Inch Copper, Item SPV.0090.12.**

A Description

This special provision describes Water Main Ductile Iron 6-inch; Water Main Ductile Iron 8-inch; Water Main Ductile Iron 12-inch; Sanitary Sewer Pipe 8-inch; Sanitary Sewer Pipe 10-inch; Sanitary Sewer Pipe 15-inch; Sanitary Sewer Service 4-inch; Sanitary Sewer Service 6-inch; Water Service 1-inch Copper; Water Service 2-inch Copper.

B Materials

All materials utilized in these sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

C Construction

Construction of these sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

D Measurement

The department will measure Water Main Ductile Iron 6-inch; Water Main Ductile Iron 8-inch; Water Main Ductile Iron 12-inch; Sanitary Sewer Pipe 8-inch; Sanitary Sewer Pipe 10-inch; Sanitary Sewer Pipe 15-inch; Sanitary Sewer Service 4-inch; Sanitary Sewer Service 6-inch; Water Service 1-inch Copper; Water Service 2-inch Copper by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.02	Water Main Ductile Iron 6-Inch	LF
SPV.0090.03	Water Main Ductile Iron 8-Inch	LF
SPV.0090.04	Water Main Ductile Iron 12-Inch	LF
SPV.0090.05	Sanitary Sewer Pipe PVC 8-Inch	LF
SPV.0090.06	Sanitary Sewer Pipe PVC 10-Inch	LF
SPV.0090.08	Sanitary Sewer Pipe PVC 15-Inch	LF
SPV.0090.09	Sanitary Sewer Service 4-Inch	LF
SPV.0090.10	Sanitary Sewer Service 6-Inch	LF
SPV.0090.11	Water Service 1-inch Copper	LF
SPV.0090.12	Water Service 2-inch Copper	LF

Payment is full compensation for all labor, tools, equipment, materials, and incidentals necessary to complete the contract for all work herein as specified. Excavating, bedding materials, backfilling, fittings, reaction blocking and joint restraint shall be included in the contract price.

39. Bypass Pumping and Flow Management, Item SPV.0105.03; Construction Staking Water Main, Item SPV.0105.04; Construction Staking Sanitary Sewer, Item SPV.0105.05.

A Description

This special provision describes Bypass Pumping and Flow Management; Construction Staking Water Main; Construction Staking Sanitary Sewer.

B Materials

All materials utilized in these sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

C Construction

Construction of these sanitary sewer and water items shall be in accordance with the Standard Sanitary Sewer Utility and Water Utility Specifications for WisDOT Let Projects, City of Sparta, Monroe County, Wisconsin, May 2017.

D Measurement

The department will measure Bypass Pumping and Flow Management; Construction Staking Water Main; Construction Staking Sanitary Sewer by the lump sum, 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	Bypass Pumping and Flow Management	LS
SPV.0105.04	Construction Staking Water Main	LS
SPV.0105.05	Construction Staking Sanitary Sewer	LS

Payment is full compensation for all labor, tools, equipment, materials, and incidentals necessary to complete the contract for all work herein as specified.

40. 4" PVC Drain, Item SPV.0105.06.**A Description**

This special provision describes furnishing and installing two PVC drains within the Concrete Sidewalk 5-Inch medallion base at the location shown on the plans and as hereinafter provided.

B Materials

Furnish two 5-inch sections of 4" PVC schedule 40.

C Construction

The 4" PVC drain sections shall be located at the low side of the concrete sidewalk 5-inch medallion base as directed by the engineer.

D Measurement

The department will measure 4" PVC Drain by the lump sum unit of work, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.06	4" PVC Drain	LS

Payment is full compensation for furnishing and installing all materials.

41. Ben Bikin Medallion, Item SPV.0105.07.

A Description

This special provision describes furnishing and installing “Ben Bikin” medallion at the location shown on the plans and according to the requirements of the manufacture, the plans, and as hereinafter provided.

B Materials

Furnish “Ben Bikin” medallion as produced by FAST Corporation, Sparta, Wisconsin. The contact is Darren Schauf, (608) 269-7110. The medallion shall be constructed of fiberglass. The mounting system and hardware is to be provided by the manufacture.

C Construction

Install the medallion per manufacture recommendations and per the plan details.

D Measurement

The department will measure Ben Bikin Medallion by the lump sum unit of work, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.07	Ben Bikin Medallion	LS

Payment is full compensation for furnishing and installing all materials.

42. Permeable Interlocking Concrete Pavers, Item SPV.0165.01.

A Description

This special provision describes furnishing, hauling and constructing a system of permeable interlocking concrete pavers to be placed on a 1” paver sand bed over base aggregate dense 1 ¼ inch as shown in the plans, and as hereinafter provided.

B Materials

B.1.1 Permeable Pavers

Furnish “Holland Eco” permeable concrete pavers as produced by Interlock Concrete Products Inc., Jordan, Minnesota, or approved equal. Paver color shall be the red/red/charcoal “Rosewood” color. Thickness shall be 3-1/8-Inch (8 cm) minimum.

Deliver pavers to the job site in manufacturer’s original, unopened, undamaged container packaging with identification tags intact on each paver bundle. Coordinate delivery and paving schedule to minimize interference with normal use of properties adjacent to paving. Deliver concrete pavers to the job site in steel banded, plastic banded, or plastic wrapped cubes capable of transfer by forklift or clamp lift. Unload pavers at job site in such a manner that no damage occurs to the product or existing construction. Store materials such that they are kept free from mud, dirt, and other foreign materials.

B.2 Stone Materials

B.2.1 Gradation Requirements

Furnish joint/opening filler and paver sand bedding materials conforming to ASTM D 448 gradation requirements as shown in Tables 1 below:

Table 1: ASTM No. 8 Bedding & Joint/Opening Filler*

Sieve Size	Percent Passing
12.5 mm (1/2 in.)	100
9.5 mm (3/8 in.)	85 to 100
4.75 mm (No. 4)	10 to 30
2.36 mm (No. 8)	0 to 10
1.16 mm (No. 16)	0 to 5

*No. 89 stone or that having similar gradation and infiltration rates may be used to fill pavers with narrow joints.

B.2 Geotextile Fabric

Furnish Geotextile Fabric, Type DF, Schedule A according to standard spec 645.2.4.

C Construction

The elevations and surface tolerance of the soil subgrade determine the final surface elevations of concrete pavers. The paver installer cannot correct deficiencies in excavation and grading of the soil subgrade with additional bedding materials. Therefore, the surface elevations of the soil subgrade are critical.

Excessive disturbance of the soil subgrade may require compaction of the soil subgrade, as determined by the engineer. If the soil subgrade requires compaction, compact to a minimum of 95% standard Proctor density per ASTM C 698. Do not proceed with installation of bedding and interlocking concrete pavers until subgrade soil conditions are corrected. Verify that subgrade preparation, compacted density and elevations conform to plan requirements. Do not install in rain or snow. Do not install frozen bedding materials. Verify that the soil subgrade is free from standing water.

Stockpile joint/opening filler, base and subbase materials such that they are free from standing water, uniformly graded, free of any organic material or sediment, debris, and ready for placement. Edge restraints per the plans, at the indicated elevations, must be in place. No mud or sediment can be left on the base or bedding aggregates. If they are contaminated, they must be removed and replaced with clean materials.

Geotextile fabric shall be placed below the 1" paver sand layer and secure in place to prevent wrinkling and displacement during stone material placement operations. Overlaps in fabric shall be a minimum of 12 inches.

Moisten, spread and screed the No. 8 stone bedding material. Fill voids left by removed screed rails with No. 8 stone. The surface tolerance of the screeded No. 8 bedding layer shall be $\pm 3/8$ inch over a 10 foot straightedge. Do not allow disturbance of screeded bedding material before paving unit installation begins.

Install the permeable paving units using the herringbone pattern as shown in the plans, maintaining straight pattern lines. Fill gaps at the edges of the paved area with cut units. Cut pavers subject to tire traffic shall be no smaller than $1/3$ of a whole unit. Cut pavers and place along the edges with a masonry saw. Fill the openings and joints with No. 8 bedding, or approved substitute material.

Remove excess aggregate on the surface by sweeping pavers clean. Compact and seat the pavers into the bedding material using a low-amplitude plate compactor. At least two passes with the plate compactor shall be required. Do not compact within 6 feet of unrestrained edges of the paving units. Apply additional aggregate to the openings and joints as needed, filling them completely. Remove excess aggregate by sweeping then compact the pavers. This requires at least two passes with the plate compactor. All pavers within 6 feet of the laying face must be left fully compacted at the completion of each day.

The final surface tolerance of compacted pavers shall not deviate more than $\pm 3/8$ inch under a 10 foot long straightedge. The surface elevation of pavers shall be $1/8$ to $1/4$ inch above adjacent edge restraints, drainage inlets, concrete collars or channels. After sweeping the surface clean, check final elevations for conformance to the drawings. There shall be no greater than $1/8$ inch difference (lippage) in height between adjacent pavers. Bond line(s) tolerance for paver courses shall be $\pm 1/2$ inch over a 50 foot string line.

After work is complete, protect the completed work from sediment deposition and damage due to subsequent construction activity on the site.

D Measurement

The department will measure Permeable Interlocking Concrete Pavers by the square foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.01	Permeable Interlocking Concrete Pavers	SF

Payment is full compensation for providing and placing all materials including pavers, bedding and joint/opening filler material, geotextile fabric and base aggregate dense $1\frac{1}{4}$ -inch; for excavating and preparing the foundation; and backfilling and disposing of surplus material.

43. Shredded Hardwood Bark Mulch, Item SPV.0180.01.

A Description

This special provision describes furnishing and installing Shredded Hardwood Bark Mulch at the locations shown on the plans and according to the requirements of standard spec 632, the plans, and as hereinafter provided.

B Materials

Provide Shredded Hardwood Bark Mulch, as shown on plan and according to standard spec 632.2.6.

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 dark brown in color, 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 according to standard spec 632.3.9 to a depth of 3 inches over entire area of bed.

Do not use any weed barrier fabric in bark mulch areas.

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, 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.

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

The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), Section 5204(e) – Surface Transportation Workforce Development Training and Education, provides for 100 percent Federal funding if the core program funds are used for training, education, or workforce development purposes, including “pipeline” activities. The core programs includes: Congestion Mitigation and Air Quality Improvement (CMAQ) Program, Highway Bridge Program (HBP), Interstate Maintenance (IM), National Highway System (NHS), and Surface Transportation Program (STP). These workforce development activities cover surface transportation workers, including OJT/SS programs for women and minorities as authorized in 23 U.S.C. §140(b).

TrANS is an employment program originally established in 1995 in Southeastern Wisconsin. Currently TrANS has expanded to include TrANS program locations to serve contractors in Southeast (Milwaukee and surrounding counties), Southcentral (Dane County and surrounding counties including Rock County), and most Northeastern Wisconsin counties from locations in Keshena, Rhinelander and surrounding far Northern areas. TrANS attempts to meet contractor’s needs in other geographic locations as possible. It is an industry driven plan of services to address the outreach, preparation, placement and retention of women, minorities and non-minorities as laborers and apprentices in the highway skilled trades. These candidate preparation and contractor coordination services are provided by community based organizations. For a list of the TrANS Coordinators contact the Disadvantaged Business Enterprise Office at (414) 438-4583 in Milwaukee or (608) 266-6961 in Madison. These services are provided to you at no cost.

I. BASIC CONCEPTS

Training reimbursements to employing contractors for new placements, rehires or promotions to apprentice of TrANS Program graduates will be made as follows:

- 1) **On-the-Job Training, Item ASP.1T0G, ASP 1 Graduate.** At the rate of \$5.00 per hour on federal aid projects when TrANS graduates are initially hired, or seasonally rehired, as unskilled laborers or the equivalent.

Eligibility and Duration: To the employing contractor, for up to 2000 hours from the point of initial hire as a TrANS program placement.

Contract Goal: To maintain the intent of the Equal Employment Opportunity program, it is a goal that 4 (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 2 (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 [DBE] PROGRAM IMPLEMENTATION

1. Description

- a. The federal DBE program requirements outlined in the Code of Federal Regulations at 49 CFR Part 26 apply to this Wisconsin Department of Transportation contract. WisDOT is a recipient of federal funds and this contract includes federal funds. United States Department of Transportation Federal DBE Program requires the following provisions:
 - (1) Pursuant to the federal DBE program regulation at 49 CFR Part 26, a contractor's failure to comply with any provision of the DBE regulations will be considered a material breach of contract. This is non-negotiable. If a contractor fails to carry out the DBE program and Title VI nondiscrimination requirements of its contracts, the following sanctions will be assessed depending upon the facts, reasoning, severity and remedial efforts of the contractor: termination of contract, withholding payment, assessment of monetary sanctions, assessment of liquidated damages and/or suspension/debarment proceedings that may result in the disqualification of the contractor from bidding for a designated period of time.
 - (2) The contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the contractor obtains the federal fund recipient's [DOT] written consent. Unless [WisDOT] consent is provided, the contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the listed DBE.
- b. The Wisconsin Department of Transportation [WisDOT] is committed to the compliant administration of the DBE Program. Each WisDOT Secretary affirms this commitment with his/her signed assurance.
<http://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/policy-statement.pdf>
 - (1) The department encourages the contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts. Under the contract, the contractor agrees to provide the assistance to participating DBE's in the following areas:
 - i. Produce accurate and complete quotes.
 - ii. Understand highway plans applicable to their work.
 - iii. Understand specifications and contract requirements applicable to their work.
 - iv. Understand contracting reporting requirements.
 - (2) Wisconsin DOT identifies the assigned DBE goal in its contract advertisements and posts the contract DBE goal on the cover of the bidding proposal. The contractor can meet the assigned, specified contract DBE goal by subcontracting work to a DBE or by procuring services or materials from a DBE. The department calculates the DBE participation as the dollar value of DBE participation included in the bid expressed as a percentage of the total contract bid amount.
 - (3) For more comprehensive information on the disadvantaged business program, visit the department's Civil Rights and Compliance Section website at:
<http://wisconsindot.gov/Pages/doing-bus/civil-rights/dbe/default.aspx>

2. Definitions

Interpret these terms, used throughout this additional special provision, as follows:

- a. **Bid Percentage:** The DBE percentage indicated in the bidding proposal at the time of bid.
- b. **DBE:** A small business certified as disadvantaged business enterprise (DBE) under the federal DBE program and included on the Wisconsin UCP DBE Directory deemed ready, willing and able.
- c. **DBE goal:** The amount of DBE participation expected in the contract as shown on the cover of the Highway Work Proposal.
- d. **Manufacturer:** A firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract.
- e. **Supplier:** A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment required under the contract are bought, kept in stock, and regularly sold or leased to the public.
- f. **Voluntary Achievement:** The amount of DBE participation achieved and reported in the contract in excess of the assigned goal.

3. DBE Percentage Required at Bid Submission

Indicate the bid percentage (i.e. 0% through 100%) of DBE participation on the completed bidding proposal. For electronic submittals, show the percentage in the miscellaneous data folder, Item 3, DBE Percent. For paper submittals, show the percentage on the sheet included after the schedule of items. By submission of the bid, the bidder contractually commits to DBE participation at or above the bid percentage, or certifies that they have utilized comprehensive good faith efforts to solicit and utilize DBE firms to meet the DBE participation requirements of this contract proposal, and that the bid percentage is reflective of these good faith efforts. The bid percentage should demonstrate the efforts of the prime contractor prior to bid. If the bidder does not indicate the bid percentage of DBE participation on the completed bidding proposal, the department will consider the bid irregular and may reject the bid.

4. WisDOT Interpretation of Federal DBE Program Provision

Prime contractors must utilize the specific DBEs listed to perform the work and/or supply the materials for which each is listed on the Commitment to Subcontract to DBE Form [DT1506] and approved by WisDOT's DBE office to execute its contract. The approved Commitment to Subcontract to DBE Form [DT1506] becomes a contract document/record.

a. Department's DBE Evaluation Process

WisDOT evaluates DBE using the Commitment to Subcontract to DBE, payments to subcontractors and contract documentation. The prime contractor shall list the specific DBE certified firms and items of work s/he intends to use toward the fulfillment of the assigned DBE contract goal. The prime contractor receives DBE credit for payments made to the DBE firms performing the work listed on the approved Form DT1506.

b. Documentation Submittal

The contractor is to identify, by name, the DBE firms whose utilization is intended to satisfy this provision, the items of work of the DBE subcontract or supply agreement and the dollar value of those items of work by completing the Commitment to Subcontract to DBE Form [DT1506]. Effective January 1, 2017, the contractor will be required to submit the documentation within 5 business days after bid opening. All necessary supporting documentation including Attachment 'A' forms and/or Good Faith Efforts Form

[DT1202] must be submitted no later than 2 business days from contractor's initial submission of the DT 1506. The contractor must provide a signed Attachment 'A' form to the DBE office within the time limit in order to receive authorization for contract execution; the DBE office reserves the right accept alternate documentation in lieu of the signed form in extenuating circumstances. Documentation must be submitted to the DBE Office by email at DBE_Alert@dot.wi.gov (DBE_Alert@dot.wi.gov) or by postal mail ATTN: DBE Office, PO Box 7965, Madison, WI 53707-7965.

(1) **Bidder Meets DBE Goal**

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

(2) **Bidder Does Not Meet DBE Goal**

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

c. **Bidder Fails to Submit Documentation**

If the contractor fails to furnish the Commitment to Subcontract to DBE Form [DT1506] within the specified time, the department may cancel the award. Delay in fulfilling this requirement is not a cause for extension of the contract time and shall not be used as a tool to delay execution.

5. Department's Criteria for Good Faith Effort

Appendix A of 49 CFR Part 26, is the guiding regulation concerning good faith efforts. However, the federal regulations do not explicitly define "good faith" but states that bidder must actively and aggressively attempt to meet the goal. The federal regulations are general and do not include every factor or effort that can be considered. As a result, each state must establish its own processes and consider the factors established in its own practices to create a process for making a determination of adequate good faith. WisDOT evaluates good faith on a contract basis just as each contract award is evaluated individually.

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

- a. The department, in conjunction with industry stakeholders, has developed the following guidance for contractor good faith effort. The guidance and the attached appendices provide a framework for the actions required by all parties in the processing and evaluation of bidder's total efforts to achieve the project specific DBE goal prior to the bid letting date.

b. Prime Contractors should:

- (1) Document all efforts and decisions made toward achieving the DBE goal on the contract. The bidder should use the Civil Rights & Compliance System [CRCS] and related WisDOT- approved DBE outreach tools, including the Bid Express Small Business Network, to foster DBE participation on all applicable contracts.
- (2) Prime contractors may request assistance with DBE outreach and follow-up by contacting the department's DBE Support Services Office by phone or email request at least 14 days prior to the bid letting date. Requesting assistance with outreach is not a decisive factor in the review Good faith effort evaluation. Phone numbers are 414-438-4584 and/or 414-659-0487; Fax: 414-438-5392; E-mail: DOTDBESupportServices@dot.wi.gov.
- (3) Request quotes by identifying potential items to subcontract and solicit. Prime contractors are strongly encouraged to include in their initial contacts a single page including a detailed list of items for which they are accepting quotes, by project, within a letting. *See attached sample entitled "Sample Contractor Solicitation Letter" in Appendix A.* Prime contractors should also indicate a willingness to accept quotes in areas they are planning to perform themselves, as required by federal rules. In some cases, it might be appropriate to use DBE's to do work in a prime contractor's area of specialization.
 - i. Solicit quotes from certified DBE firms who match 'possible items to subcontract' using all reasonable and available means. Additionally, forward copies of solicitations highlighting the work areas for which you are seeking quotes to DOTDBESupportServices@dot.wi.gov.
 - ii. SBN is the preferred outreach tool. <https://www.bidx.com/wi/main>. Other acceptable means include postal mail, email, fax, phone call.
 - (a) Primes must ask DBE firms for a response in their solicitations. See *Sample Contractors Solicitation Letter* in Appendix. This letter can be included as an attachment to the SBN sub-quote request.
 - (b) Solicit quotes at least 10 calendar days prior to the letting date, at least two Fridays before the letting, to allow DBE firms sufficient time to respond. Prime contractors should contact DBE firms early, asking if they need help organizing their quote, assistance confirming equipment needs, or other assistance supporting their submission of a competitive quote for their services.
 - (c) Second solicitation should take place within 5 calendar days. Email and SBN are the preferred delivery of the follow-up solicitation.
 - iii. Upon request, provide interested DBE firms with adequate information about plans, specifications and the requirements of the contract by letter, information session, email, phone call and/or referral.
 - iv. When potential exists, the contractor should advise interested DBE firms on how to obtain bonding, line of credit or insurance if requested.
 - v. Document DBE firm's interest in quoting by taking appropriate steps to follow up initial solicitation with:
 - (a) Email to all prospective DBE firms in relevant work areas.
 - (b) Phone call log to DBE firms who express interest via written response or call.
 - (c) Fax/letter confirmation
 - (d) Signed copy of Bid Express SBN Record of Subcontractor Outreach Effort.

c. Evaluate DBE quotes Documentation is critical if a prime does not utilize the DBE firm's quote for any reason.

- (1) Evaluate DBE firm's capability to perform 'possible items to subcontract' using legitimate reasons, including but not limited to, **a discussion with the DBE firm** regarding its capabilities prior to the bid letting. If lack of capacity is your reason for not utilizing the DBE quote, you are required to contact the DBE by phone and email regarding their ability to perform the work indicated in the UCP directory listed as their work area by NAICS code. Only the work area and/or NAICS code listed in the UCP directory can be counted toward DBE credit. Documentation of the conversation is required.
- (2) In striving to meet an assigned DBE contract goal, prime contractors are expected to use DBE quotes that are responsive and reasonable. This includes DBE quotes that are not the low quote.

- (3) **Special Circumstance** - Evaluation of DBE quotes with tied bid items. "Tied quotes are the condition in which a subcontractor submits quotes including multiple areas of expertise across multiple work areas noting that the items and price are tied. Typically this type of quoting represents a cost saving to the prime but is not clearly stated as a discount; tied quotes are usually presented as 'all or none' quote to the prime." When non-DBE subcontractors submit tied bid items in their quotes to the prime, the DBE firms' quote may seem not competitive. In such a case, the following steps are taken in comparing the relevant quotes. These are qualitative examples.
- i. Compare bid items common to both quotes, noting the reasonableness in the price comparison.
 - ii. Review quotes from other firms for the bid items not quoted by the DBE firm to see if combining both can provide the same competitive advantage that the tied bid items offered.
- d. Immediately after notification of contract award, the prime submits all **'Commitment to Subcontract'** forms to the DBE Office. Prime contractor has 5 days to submit the completed form for the DBE firms it intends to use on the contract for DBE credit. If the goal is not met in full, the prime contractor must provide the following information along with WisDOT form DT1202: Certificate of Good Faith Efforts.
- (1) The names, addresses, e-mail addresses, telephone numbers of DBE's contacted. The dates of both initial and follow-up contact.
 - (2) A description of information provided to the DBE's regarding the plans, specifications, and estimated quantities for portions of the work to be performed by that DBE.
 - (3) Photocopies or electronic copies of all written solicitations to DBE's. A printed copy of SBN solicitation is acceptable.
 - (4) Documentation of each quote received from a DBE and, if rejected, the reason for that rejection.
 - (5) Bidder attendance at any pre-solicitation or pre-bid meetings the department held to inform DBE's of participation opportunities available on the project.

The prime contractor must obtain written consent from the DBE Office to change or replace any DBE firm listed on the approved Commitment to Subcontract to DBE Form [DT1506]. If the prime contractor utilizes another contractor, including the use of its own workforce, to perform the work assigned to a DBE on the approved DT1506, the prime contractor will not be entitled to payment for that work. Any changes to DBE after the approval of the DT1506 must be reviewed and approved by the DBE office prior to the change.

6. Use of Joint Checks

The use of joint checks is allowable if it is a commonly recognized business practice in the material industry. A joint check is defined as a two-party check between a DBE, a prime contractor and the regular dealer of materials supplier who is neither the prime nor an affiliate of the prime. Typically, the prime contractor issues one check as payor to the DBE subcontractor and to the supplier jointly (to guarantee payment to the supplier) as payment for the material/supplies used by the DBE in cases where the prime has submitted the DBE and material for DBE credit. The DBE subcontractor gains the opportunity to establish a direct contracting relationship with the supplier to potentially facilitate a business rapport that results in a line of credit or increased partnering opportunities.

The cost of material and supplies purchased by the DBE is part of the value of work performed by the DBE to be counted toward the goal. To receive credit, the DBE must be responsible for negotiating price, determining quality and quantity, ordering the materials, and installing (where applicable) and "paying for the material itself." See 49 CFR 26.55(c)(1).

The approval to use joint checks constitutes a commitment to provide further information to WisDOT, upon request by staff. WisDOT will allow the use of joint checks when the following conditions are met:

- a. The Prime must request permission to use joint checks from the DBE Office by submitting the Application to Use Joint Checks.
 - (1) Request should be made when the DBE Commitment form or Request to Sublet is submitted; the request will not be considered if submitted after the DBE Subcontractor starts its work.
 - (2) Approval/Permission must be granted prior to the issuance of any joint checks.
 - (3) The payment schedule for the supplier must be presented to the DBE office before the first check is issued.
 - (4) The joint check for supplies must be strictly for the cost of supplies.
- b. DBE subcontractor is responsible to furnish and/or install the material/work item. The DBE subcontractor shall not be an 'extra participant' in the transaction; the DBE's role in the transaction cannot be limited solely to signing the check(s) to release payment to the material supplier. At a minimum, the DBE subcontractor's tasks should include the following.
 - (1) The DBE subcontractor (not the prime/payor) negotiates the quantities, price and delivery of materials;
 - (2) The DBE subcontractor consents to sign/release the check to the supplier by signing the Application to Use Joint Checks after establishing the conditions and documentation of payment within the subcontract terms or in a separate written document.
- c. The Prime contractor/payor acts solely as a guarantor,
 - (1) The prime agrees to furnish the check used for the payment of materials/supplies under the contract.
 - (2) The prime contractor/payor cannot require the subcontractor to use a specific supplier or the prime contractors negotiated unit price.

7. Bidder's Appeal Process

- a. A bidder can appeal the department's decision to deny the bidder's good faith effort submission. The bidder must provide written documentation refuting the specific reasons for rejection as stated in the department's rejection notice. The bidder may meet in person with the department if so requested. Failure to appeal within 7 calendar days after receiving the department's written denial notice of a good faith effort evaluation constitutes a forfeiture of the bidder's right of appeal. A contract cannot be executed without documentation that the DBE provisions have been fulfilled.
- b. The department will appoint a representative, who did not participate in the original determination, to assess the bidder's appeal. The department will issue a written decision within 5 calendar days after the bidder presents all written and oral testimony. In that written decision, the department will explain the basis for finding that the bidder did or did not meet the contract DBE goal or make an adequate good faith effort to meet the contract DBE goal. The department's decision is final. If the department finds that the bidder did not meet the contract DBE goal or did not make adequate efforts to meet the DBE goal, the department may declare the bid ineligible for execution.

8. Department's Criteria for DBE Participation

Directory of DBE firms

- a. The only resource for DBE certified firms certified in the state of Wisconsin is the Wisconsin Unified Certification Program [UCP] DBE List. Wisconsin Department of Transportation maintains a current list of certified DBE firms titled Wisconsin UCP DBE Directory on the website at:
<http://wisconsin.gov/Documents/doing-bus/civil-rights/dbe/dbe-ucp-directory.xlsx>
- b. The DBE office is also available to assist at 414-438-4583 or 608-267-3849.

9. Counting DBE Participation

Assessing DBE Work

- a. The department will only count the DBE usage towards the contract DBE goal if the DBE firm is certified as a DBE by one of the unified certification program agencies. If a firm becomes DBE certified before entering into a subcontract, the department may consider that DBE usage towards the contract goal. The department only counts the value of the work a DBE actually performs towards the DBE goal. The department assesses the DBE work as follows:
- b. The department counts work performed by the DBE's own resources. The department includes the cost of materials and supplies the DBE obtains for the work. The department also includes the cost of equipment the DBE leases for the work. The department will not include the cost of materials, supplies, or equipment the DBE purchases or leases from the prime contractor or its affiliate, except the department will count non-project specific leases the DBE has in place before the work is advertised.
- c. The department counts fees and commissions the DBE charges for providing a bona fide professional, technical, consultant, or managerial services. The department also counts fees and commissions the DBE charges for providing bonds or insurance. The department will only count costs the engineer deems reasonable based on experience or prevailing market rates.
- d. If a DBE subcontracts work, the department counts the value of the subcontracted work only if the DBE's subcontractor is also a DBE.
- e. The contractor shall maintain records and may be required to furnish periodic reports documenting its performance under this item.
- f. It is the prime contractor's responsibility to determine whether the work that is committed and/or contracted to a DBE certified firm can be counted for DBE credit by referencing the work type and NAICS code listed for the DBE firm on the Wisconsin UCP DBE Directory.
- g. It is the prime contractor's responsibility to assess the DBE firm's ability to perform the work for which s/he is committing/contracting the DBE to do. Note that the department encourages the prime contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts.

10. Commercially Useful Function

- a. Commercially useful function is evaluated after the contract has been executed, while the DBE certified firm is performing its work items. A DBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved.
- b. The department uses Form DT1011: DBE Commercially Useful Function Review and Certification to evaluate whether the DBE is performing a commercially useful function. WisDOT counts expenditures of a DBE toward the DBE goal only if the DBE is performing a commercially useful function on that contract.
- c. A DBE is performing a commercially useful function if the following conditions are met:
 - (1) For contract work, the DBE is responsible for executing a distinct portion of the contract work and it is carrying out its responsibilities by actually performing, managing, and supervising that work.
 - (2) For materials and supplies, the DBE is responsible for negotiating price, determining quality and quantity, ordering, and paying for those materials and supplies.

11. Credit Evaluation for Trucking

All bidders are expected to adhere to the department's current trucking policy posted on the HCCI website at <http://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/trucking-utilization-policy.pdf>

12. Credit Evaluation for Manufacturers, Suppliers, Brokers

The department will calculate the amount of DBE credit awarded to a prime using a DBE firm for the provisions of materials and supplies on a contract-by-contract basis. The department will count the material and supplies that a DBE provides under the contract for DBE credit based on whether the DBE is a manufacturer, supplier or broker. Generally, DBE crediting measures and evaluates the DBE owner's role, responsibility and contribution to the transaction: maximum DBE credit when the DBE manufactures materials or supplies; DBE credit decreases when the DBE solely supplies material and minimal credit is allotted when the DBE's role is administrative or transactional.

It is the bidder's responsibility to find out if the DBE is considered a supplier or a manufacturer before listing them on Commitment to Subcontract to DBE form DT1506.

a. Manufacturers

- (1) A manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications.
- (2) If the materials or supplies are obtained from a DBE manufacturer, count **100%** percent of the cost of the materials or supplies toward DBE goals.

b. Regular Dealers of Material and/or Supplies

- (1) A regular dealer is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business.
- (2) If the materials or supplies are purchased from a DBE regular dealer, count **60%** percent of the cost of the materials or supplies toward DBE goals.
- (3) At a minimum, a regular dealer must meet the following criteria to be counted for DBE credit:
 - i. The DBE firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question.
 - ii. The DBE firm must both own and operate distribution equipment for the product--bulk items such as petroleum products, steel, cement, gravel, stone, or asphalt. If some of the distribution equipment is leased, the lease agreement must accompany the DBE Commitment form for evaluation of the dealer's control before the DBE office approves the DBE credit.

c. Brokers, Transaction Expeditors, Packagers, Manufacturers Representatives

- (1) No portion of the cost of the materials, supplies, services themselves will count for DBE credit; however, WisDOT will evaluate the fees or commissions charged when a prime purchases materials, supplies or services from a DBE certified firm which is neither a manufacturer nor a regular dealer, namely: brokers, packagers, manufacturers' representatives or other persons who arrange or expedite transactions.
- (2) Brokerage fees have historically been calculated as **10%** of the purchase amount.
- (3) WisDOT may count the amount of fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site.
- (4) The evaluation will review the contract need for the item/service, review the sub-contract or invoice for the item/service, compare the fees customarily allowed for similar services to determine whether they are reasonable.

When DBE suppliers are contracted, additional documentation must accompany the DT1506 and Attachment 'A' forms. An invoice or bill-of-sale that includes the company names of the bidder and the DBE supplier and documentation of the calculations used as the basis for the purchase agreement, subcontract or invoice.

WisDOT recognizes that the amount on the Attachment 'A' form may be more or less than the amount on the invoice. Please respond to the following questions and submit with your DBE Commitment Form.

1. What is the product or material?
2. Is this item in the prime's inventory or was the item purchased when contract was awarded?
3. Which contract line items were referenced to develop this quote?
4. What is the amount of material or product used on the project?

13. Credit Evaluation for DBE Primes

Wisconsin DOT calculates DBE credit based on the amount and type of work performed by DBE certified firms. If the prime contractor is a DBE certified firm, the department will only count the work that DBE prime contractor performs with its own forces for DBE credit. We will also calculate DBE credit for the work performed by any other DBE certified subcontractor, DBE certified supplier, DBE certified manufacturer on that contract in that DBE's approved work areas/NAICS code. Crediting for manufacturers and suppliers is calculated consistent with paragraph 12 of this document and 49 CFR Part 26.

14. Joint Venture

If a DBE performs as a participant in a joint venture, the department will only count that portion of the total dollar value of the contract equal to that portion of the work that the DBE performs with its own forces for DBE credit.

15. Mentor Protégé

- a. If a DBE performs as a participant in a mentor protégé agreement, the department will count for credit the portion of the work performed by the DBE protégé firm.
- b. DBE credit will be evaluated and confirmed by the DBE Office for any contracts on which the mentor protégé team identifies itself to the DBE Office as a current participant of the Mentor Protégé Program.
- c. Refer to WisDOT's Mentor Protégé guidelines for guidance on the number of contracts and amount of DBE credit that can be counted on any WisDOT project.

16. DBE Replacement or Termination

Contractual Requirement

The contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the contractor obtains written consent from the Department's DBE Office. If the Department does not provide consent to replace or terminate a DBE firm, the prime contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the listed DBE.

Contractor Considerations

- a. A prime contractor cannot terminate and/or replace a DBE subcontractor listed on the approved Commitment to Subcontract to DBE Form [DT1506] without prior written consent from the DBE Office. This includes, but is not limited to, instances in which a prime contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm.

- b. If a prime contractor feels it is necessary to replace or terminate a DBE firm that has been approved for DBE credit toward its contract, s/he will be required to provide reasons and documentation to support why the prime cannot fulfill the contractual commitment that it made to the Department regarding the DBE utilization.
- c. Prime contractor is required to make affirmative efforts to find another DBE subcontractor to perform at least the same amount of work under the contract as the DBE that was terminated, to the extent needed to meet the assigned DBE contract goal.
- d. In circumstances when a DBE subcontractor fails to complete its work on the contract for any reason or is terminated from a contract, the prime contractor is expected to make affirmative efforts to maintain its commitment to the assigned DBE goal.
- e. The DBE firm should communicate with the prime contractor regarding its schedule and capacity in the context of the contract. If the DBE anticipates that it cannot fulfill its subcontract, s/he shall advise the prime contractor and suggest a DBE that may replace their services or provide written consent to be released from its subcontract.
 - (1) Before the prime contractor can request to terminate or substitute a DBE firm; s/he must:
 - i. Make every effort to fulfill the DBE commitment by working with the listed DBE to ensure that they are fully knowledgeable of your expectations for successful performance on the contract. Document these efforts in writing.
 - ii. If those efforts fail, provide written notice to the DBE subcontractor of your *intent* to request to terminate and/or replace the firm including the reason(s) you want to pursue this action.
 - iii. Copy the DBE Office on all correspondence related to changing a DBE firm who has been approved for DBE credit on a contract including the preparation and coordination efforts with the DBE on the contract.
 - iv. Clearly state the amount of time the DBE firm has to remedy and/or respond to your notice of intent to replace/terminate their firm from the contract. The DBE shall be allowed five days to respond, in writing. **EXCEPTION:** The prime contractor must provide a verifiable reason for a response period shorter than five days. For example a WisDOT project manager must verify that waiting 5 days for a DBE performing traffic control work to respond would affect the public safety.
 - v. The DBE subcontractor must forward a written response to the prime contractor and copy the DBE Office. The written response must outline why it objects to the proposed termination of its subcontract and list the reasons that WisDOT should not approve the request for their firm to be replaced or removed from the contract.

The Request to Replace or Terminate a DBE

The prime contractor must provide a written request to replace or terminate a DBE firm that has been approved for DBE credit on a WisDOT contract. The written request can be an email or printed document delivered by email or fax; at minimum, the request must contain the following:

1. Contract ID number.
2. Wisconsin DOT Contract Project Manager name and contact information.
3. DBE name and work type and/or NAICS code.
4. Contract's progress schedule.
5. Reason(s) for requesting that the DBE be replaced or terminated.
6. Attach/include all communication with the DBE to deploy/address/resolve work completion,

WisDOT will review your request and any supporting documentation that you submit to evaluate whether the circumstance and the reasons constitute a good cause for replacing or terminating the DBE that was approved for DBE credit on that contract.

Examples of Good Causes to Replace a DBE according to the federal DBE program guidelines {49 CFR part 26.53}

- The listed DBE subcontractor fails or refuses to execute a written contract.
- The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor.
- The listed DBE subcontractor fails or refuses to meet the prime contractor's reasonable, nondiscriminatory bond requirements.
- The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness.
- The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1,200 or applicable state law.
- You have determined that the listed DBE subcontractor is not a responsible contractor.
- The listed DBE subcontractor voluntarily withdraws from the project and provides to you written notice of its withdrawal.
- The listed DBE is ineligible to receive DBE credit for the type of work required.
- A DBE owner dies or becomes disabled with the result that the listed DBE contractor is unable to complete its work on the contract.

Evaluation and Response to the Request

If WisDOT determines that your reasons comply with the good cause standards; the DBE office will send the prime contractor and the WisDOT project manager an email stating that we concur with the reasons and approve the replacement or termination.

If WisDOT determines that your reasons do not comply with the good cause standards of the federal DBE program, the DBE Office will send the prime contractor an email that includes *the requirement* to utilize the committed DBE, *remedial actions* to support the completion of the contractual commitment, a list of available WisDOT support services *and administrative remedies that may be invoked* for failure to comply with federal DBE guidelines for DBE replacement.

The Wisconsin Department of transportation contact for all actions related to replacing a DBE is the DBE Program Chief and/or the DBE Program Engineer which can be reached at DBE_Alert@dot.wi.gov or by calling 608-267-3849.

17. DBE Utilization beyond the approved DBE Commitment Form DT1506

If the Prime/subcontractor increases the scope of work for a participating DBE or adds a DBE subcontractor that was not on the approved Form DT1506 at any time after contract award, s/he should follow these steps so that the participation can be accurately credited toward the DBE goal.

- a. Send an email to the DBE Engineer at DBE_Alert@dot.wi.gov describing the work to be performed by the new DBE including the proposed schedule or duration, DBE name and contact information. You may also call the DBE Engineer at 414-659-0487 to notify him of the change verbally.

If the scope change added work for a participating DBE; list the date and reason for the scope change.

- b. Forward a complete, signed Attachment 'A' form to the DBE Office at DBE_Alert@dot.wi.gov. A complete Attachment A includes DBE contact information, signature, subcontract value and proper description of the work areas to be performed by the DBE.

The DBE office will confirm the DBE participation and revise the DT1506 based on the email/discussion and attach the new/revised Attachment A to the Contract record/documentation.

18. Contract Modifications

When additional opportunity is available by contract modifications, the Prime Contractor shall utilize DBE Subcontractors that were committed to equal work items, in the original contract.

19. Payment

Costs for conforming to this Additional Special Provision (ASP) and any associated DBE requirements are incidental to the contract.

APPENDIX A

Sample Contractor Solicitation Letter Page 1

This sample is provided as a guide not a requirement

GFW SAMPLE MEMORANDUM

TO: DBE FIRMS
FROM: POTENTIAL PRIME CONTRACTOR OR MAJOR SUBCONTRACTOR
SUBJECT: REQUEST FOR DBE QUOTES
LET DATE & TIME
DATE: MONTH DAY YEAR
CC: DBE OFFICE ENGINEER

Our company is considering bidding on the projects indicated on the next page, as a prime and/or a subcontractor for the Wisconsin Department of Transportation Month- date -year Letting. Page 2 lists the projects and work items that we may subcontract for this letting. We are interested in obtaining subcontractor quotes for these projects and work categories. Also note that we are willing to accept quotes in areas we may be planning to perform ourselves as required by federal rules.

Please review page 2, respond whether you plan to quote, highlight the projects and work items you are interested in performing and return it via fax or email within 3 days. Plans, specifications and addenda are available through WisDOT at the DBE Support Services office or at the Highway Construction Contract Information (HCCI) site at

<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 alternatives are acceptable. Our office hours are include hours and days. Please call our office as soon as possible prior to the letting if you need information/clarification to prepare your quote at contact number.

If you wish to discuss or evaluate your quote in more detail, contact us after the contract is awarded. Status of the contract can be checked at WisDOT's HCCI site at <http://roadwaystandards.dot.wi.gov/hcci/>

All questions should be directed to:

Project Manager, John Doe,

Phone: (000) 123-4567

Email: Joe@joetheplumber.com

Fax: (000) 123- 4657

Sample Contractor Solicitation Letter Page 2

This sample is provided as a guide not a requirement

REQUEST FOR QUOTATION

Prime's Name: _____
 Letting Date: _____
 Project ID: _____

Please check all that apply

- ☐ Yes, we will be quoting on the projects and items listed below
☐ No, we are not interested in quoting on the letting or its items referenced below
☐ Please take our name off your monthly DBE contact list
☐ We have questions about quoting this letting. Please have someone contact me at this number

Prime Contractor's Contact Person

DBE Contractor Contact Person

 Phone: _____
 Fax: _____
 Email: _____

 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 alternatives are acceptable.

If there are further questions please direct them to the prime contractor's contact person at phone number.

APPENDIX B

BEST PRACTICES FOR PRIME CONTRACTOR & DBE SUBCONTRACTOR GOOD FAITH EFFORT

This list is not a set of requirements; it is a list of potential strategies

Primes

- Prime contractor open houses inviting DBE firms to see the bid “war room” or providing technical assistance.
- Participate in speed networking and mosaic exercises as arranged by DBE office.
- Host information sessions not directly associated with a bid letting.
- Participate in a formal mentor protégé or joint venture with a DBE firm.
- Participate in WisDOT advisory committees i.e. TRANSAC, or Mega Project committee meetings.
- Facilitate a small group DBE ‘training session’ Clarifying how your firm prepares for bid letting, evaluates subcontractors, preferred qualifications and communication methods.
- Encourage subcontractors to solicit and highlight DBE participation in their quotes to you.
- Quality of communication, not quantity creates the best results. Contractors should do as thorough a job as possible in communicating with DBE firms before the bid and provide any assistance requested to assure best possible bid.

DBE

- DBE firms should contact primes as soon as possible with questions regarding their quotes or bid; seven days prior is optimal.
- Continually check for contract addendums on the HCCI website through the Thursday prior to letting to stay abreast of changes.
- Review the status of contracts on the HCCI website reviewing the ‘apparent low bidder’ list, and bid tabs at a minimum.
- Prepare a portfolio or list of related projects and prime and supplier references; be sure to note transportation-related projects of similar size and scope, firm expertise and staffing.
- Participate in DBE office assessment programs.
- Participate on advisory and mega-project committees.
- Sign up to receive the DBE Contracting Update.
- Consider membership in relevant industry or contractor organizations.
- Active participation is a must. Quote as many projects as you can reasonably work on; quoting the primes and bidding as a prime with the department are the only ways to get work.

APPENDIX C

Types of Efforts considered in determining GFE

This list represents concepts being assessed; analysis requires additional steps

1. Whether the contractor attended any pre-solicitation or pre-bid meetings that were scheduled by WisDOT to inform DBEs of contracting and subcontracting opportunities.
2. Whether the contractor provided written notice to a reasonable number of specific DBEs that their interest in the contract was being solicited, in sufficient time to allow the DBEs to participate effectively.
3. Whether the contractor followed up initial solicitations of interest by contacting DBEs to determine if the DBEs were interested; returned the phone calls of interested DBE firms.
4. Whether the contractor selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the DBE goal.
5. Whether the contractor provided interested DBEs with adequate information about the plans, specifications and requirements of the contract.
6. Whether the contractor negotiated in good faith with interested DBEs, not rejected DBEs as unqualified without sound reasons based on a thorough investigation of their capabilities.
7. Whether the contractor made efforts to assist interested DBEs in being more competitive.
8. Whether the contractor effectively used the services of available minority community organizations: minority contractors groups, local, state, and Federal minority business assistance offices, and other organizations that provide assistance to small businesses and DBE firms.
9. Whether Prime used CRCS to identify DBE who specialize in relevant work areas.
10. Whether the contractor used available resources including contacting the DBE office, using WisDOT's website
11. Whether the contractor returned calls of firms expressing interest in a timely manner.

APPENDIX D

Good Faith Effort Evaluation Guidance

Excerpt from Appendix A of 49 CFR Part 26

APPENDIX A TO PART 26 -- GUIDANCE CONCERNING GOOD FAITH EFFORTS

- I. When, as a recipient, you establish a contract goal on a DOT assisted contract, a bidder must, in order to be responsible and/or responsive, make good faith efforts to meet the goal. The bidder can meet this requirement in either of two ways. First, the bidder can meet the goal, documenting commitments for participation by DBE firms sufficient for this purpose. Second, even if it doesn't meet the goal, the bidder can document adequate good faith efforts. This means that the bidder must show that it took all necessary and reasonable steps to achieve a DBE goal or other requirement of this part which, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not fully successful.
- II. In any situation in which you have established a contract goal, part 26 requires you to use the good faith efforts mechanism of this part. As a recipient, it is up to you to make a fair and reasonable judgment whether a bidder that did not meet the goal made adequate good faith efforts. It is important for you to consider the quality, quantity, and intensity of the different kinds of efforts that the bidder has made. The efforts employed by the bidder should be those that one could reasonably expect a bidder to take if the bidder were actively and aggressively trying to obtain DBE participation sufficient to meet the DBE contract goal. Mere pro forma efforts are not good faith efforts to meet the DBE contract requirements. We emphasize, however, that your determination concerning the sufficiency of the firm's good faith efforts is a judgment call: meeting quantitative formulas is not required.
- III. The Department also strongly cautions you against requiring that a bidder meet a contract goal (i.e., obtain a specified amount of DBE participation) in order to be awarded a contract, even though the bidder makes an adequate good faith efforts showing. This rule specifically prohibits you from ignoring bona fide good faith efforts.
- IV. The following is a list of types of actions which you should consider as part of the bidder's good faith efforts to obtain DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.
 - A. Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBEs who have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBEs to respond to the solicitation. The bidder must determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.
 - B. Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces.
 - C. Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
 - D.
 - (1) Negotiating in good faith with interested DBEs. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBEs to perform the work.
 - (2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a

contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Prime contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.

- E. Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non solicitation of bids in the contractor's efforts to meet the project goal.
 - F. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or contractor.
 - G. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.
 - H. Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.
- V. In determining whether a bidder has made good faith efforts, you may take into account the performance of other bidders in meeting the contract. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional reasonable efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts.

Appendix E

Small Business Network [SBN] Overview

The Small Business Network is a part of the Bid Express® service that was created to ensure that prime bidders have a centralized online location to find subs - including small and disadvantaged business enterprises (DBEs). It is available for prime bidders to use as part of their Basic Service subscription.

Within the Small Business Network, **Prime Contractors** can:

1. Easily select proposals, work types and items:
 - a. After adding applicable work types, select items that you wish to quote. Enter the sub-quote quantities and add comments, if desired. Adding or removing items and work types can be done quickly. If needed, you can save the sub-quote for completion at a later time.
2. Create sub-quotes for the subcontracting community:
 - a. Create sub-quotes with ease using the intuitive sub-quote creator. In seven short steps, you can rapidly create a custom sub-quote directed to all subcontractors that bid on the applicable work types. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
 - b. Create a sub-quote to send to subcontractors or suppliers that lists the items in a proposal that you want quoted
 - c. Create an unlimited number of sub-quotes for items you want quoted, and optionally mark them as a DBE-preferred request.
 - d. Add attachments to sub-quotes.
3. View sub-quote requests & responses:
 - a. After logging into the Bid Express service, you can quickly review all of your sub-quote requests and all unsolicited sub-quote requests from subcontractors. To simplify the Small Business Network home screen, sub-quote requests can be hidden with one click if they are not applicable.
 - b. View or receive unsolicited sub-quotes that subcontractors have posted, complete with terms, conditions and pricing.
4. View Record of Subcontractor Outreach Effort:
 - a. For each sub-quote produced, a *Record of Subcontractor Outreach Effort* is generated that shows the response statistics for a particular sub-quote. If accepted by the letting agency, this report may serve as proof of a “Good Faith” effort in reaching out to the DBE community.
 - b. Easily locate pre-qualified and certified small and disadvantaged businesses.
 - c. Advertise to small and disadvantaged businesses more efficiently and cost effectively.
 - d. Document your interactions with subs/DBEs by producing an Outreach Report (may be accepted as proof of DBE outreach at the discretion of each agency).

The Small Business Network is a part of the Bid Express® service that was created to ensure that small businesses have a centralized area to access information about upcoming projects. It can help small businesses learn more about opportunities, compete more effectively, network with other contractors and subcontractors, and win more jobs.

1. View and reply to sub-quote requests from primes:
 - a. After logging into the Bid Express service, you can quickly review all incoming sub-quote requests and all unsolicited sub-quotes created by your company. Receive notifications by selected work type. To simplify on the Small Business Network home screen, sub-quote requests can be filtered by work types relevant to your interests, or hidden with one click if they are not applicable.
2. Select items when responding to sub-quote requests from primes:
 - a. You have the freedom to choose and price any number of items when responding to a sub-quote request. Quantities can be modified, and per-item comments are also available.
 - b. View requests for sub-quotes for work that primes have posted for projects they are bidding, add your pricing, terms, and conditions, and submit completed sub-quotes to the requesting primes.
 - c. Add attachments to a sub-quote.
3. Create and send unsolicited sub-quotes to specific contractors:
 - a. Create unsolicited sub-quotes with ease using the intuitive sub-quote creator. In eight short steps, you can rapidly create a custom sub-quote directed at any number of specific vendors of your choosing. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
4. Easily select and price items for unsolicited sub-quotes:
 - a. After adding applicable work types, select items that you wish to quote. The extended price calculates automatically, cutting out costly calculation errors. Comments can be provided on a per-item basis as well.
 - b. Create an unsolicited sub-quote that lists the items from a proposal that you want to quote, include pricing, terms and conditions, and send it to selected prime/plan holder.
 - c. Add attachments to a sub-quote.
 - d. Add unsolicited work items to sub-quotes that you are responding to.
5. Easy Access to Valuable Information
 - a. Receive a confirmation that your sub-quote was opened by a prime.
 - b. View Bid Tab Analysis data from past bids, including the high, average and low prices of items.
 - c. View important notices and publications from DOT targeted to small and disadvantaged businesses.
6. Accessing Small Business Network for WisDOT contracting opportunities
 - a. If you are a contractor not yet subscribing to the Bid Express service, go to www.bidx.com and select “Order Bid Express.” The Small Business Network is a part of the Bid Express Basic Service.
 - b. DBE firms can request a Bid Express Small Business Network Account at no cost by calling 414-438-4588.

ADDITIONAL SPECIAL PROVISION 4

Payment to First-Tier Subcontractors

Within 10 calendar days of receiving a progress payment for work completed by a subcontractor, pay the subcontractor for that work. The prime contractor may withhold payment to a subcontractor if, within 10 calendar days of receipt of that progress payment, the prime contractor provides written notification to the subcontractor and the department documenting "just cause" for withholding payment.

The prime contractor may also withhold routine retainage from payments due subcontractors.

Payment to Lower-Tier Subcontractors

Ensure that subcontracting agreements at all tiers provide prompt payment rights to lower-tier subcontractors that parallel those granted first-tier subcontractors in this provision.

Release of Routine Retainage

After granting substantial completion the department may reduce the routine retainage withheld from the prime contractor to 75 percent of the original total amount retained.

When the Department sends the semi-final estimate the department may reduce the routine retainage withheld from the prime contractor to 10 percent of the original total amount retained.

Within 30 calendar days of receiving the semi-final estimate from the department, submit written certification that subcontractors at all tiers are paid in full for acceptably completed work and that no routine retainage is being withheld. The department will pay the prime contractor in full and reduce the routine retainage withheld from the prime contractor to zero when the department approves the final estimate.

This special provision does not limit the right of the department, prime contractor, or subcontractors at any tier to withhold payment for work not acceptably completed or work subject to an unresolved contract dispute.

ADDITIONAL SPECIAL PROVISION 6

ASP 6 - Modifications to the standard specifications

Make the following revisions to the standard specifications:

104.10.1 General

Replace paragraph four with the following effective with the December 2017 letting:

- (1) Subsection 104.10 specifies a 2-step process for contractors to follow in submitting a cost reduction incentive (CRI) for modifying the contract in order to reduce direct construction costs computed at contract bid prices. The initial submittal is referred to as a CRI concept and the second submittal is a CRI proposal. The contractor and the department will equally share all savings generated to the contract due to a CRI as specified in 104.10.4.2(1). The department encourages the contractor to submit CRI concepts.

104.10.4.2 Payment for the CRI Work

Replace paragraph four with the following effective with the December 2017 letting:

- (1) The department will pay for completed CRI work as specified for progress payments under 109.6. The department will pay for CRI's under the Cost Reduction Incentive administrative item. When all CRI costs are determined, the department will execute a contract change order that does the following:
1. Adjusts the contract time, interim completion dates, or both.
 2. Pays the contractor for the unpaid balance of the CRI work.
 3. Pays the contractor 50 percent of the net savings resulting from the CRI, calculated as follows:

$$NS = CW - CRW - CC - DC$$

Where:

NS = Net Savings

CW = The cost of the work required by the original contract that is revised by the CRI. CW is computed at contract bid prices if applicable.^[1]

CRW = The cost of the revised work, computed at contract bid prices if applicable.^[1]

CC = The contractor's cost of developing the CRI proposal.

DC = The department's cost for investigating, evaluating, and implementing the CRI proposal.

^[1] The department may adjust contract bid prices that, in the engineer's judgement, do not represent the fair value of the work deleted or proposed.

108.11 Liquidated Damages

Replace paragraphs two and three with the following effective with the December 2017 letting:

- (2) This deducted sum is not a penalty but is a fixed, agreed, liquidated damage due the department from the contractor for the added cost of engineering and supervision resulting from the contractor's failure to complete the work within the contract time.
- (3) Unless enhanced in the special provisions, the department will assess the following daily liquidated damages

LIQUIDATED DAMAGES			
ORIGINAL CONTRACT AMOUNT		DAILY CHARGE	
FROM MORE THAN	TO AND INCLUDING	CALENDAR DAY	WORKING DAY
\$0	\$250,000	\$850	\$1700
\$250,000	\$500,000	\$815	\$1630
\$500,000	\$1,000,000	\$1250	\$2500
\$1,000,000	\$2,000,000	\$1540	\$3080
\$2,000,000	—	\$2070	\$4140

- (1) Operate profilers within the manufacturer's recommended speed tolerances. Perform profile runs in the direction of travel. Measure the longitudinal profile of each wheel track of each lane. The wheel tracks are 6.0 feet apart and centered in the traveled way of the lane.
-

203.3.2.2 Removal Operations

Replace the entire text with the following effective with the December 2017 letting:

203.3.2.2.1 General

- (1) Except as specified below for closing culverts, remove the entire top slab of box culverts and the entire superstructure of other culverts and bridges designated for removal. Completely remove existing piles, cribs, or other timber construction within the limits of new embankments, or remove these structures to an elevation at least 2 feet below finished ground line. Remove sidewalls or substructure units in water to an elevation no higher than the elevation of the natural stream or lake bed, or, if grading the channel is required under the contract or the plans, to the proposed finished grade of the stream or lake bed. Remove sidewalls or substructure units not in water down to at least 2 feet below natural or finished ground line.
- (2) If extending or incorporating existing culverts and bridges in the new work, remove only those parts of the existing structure as necessary to provide a proper connection to the new work. Saw, chip, or trim the connecting edges to the required lines and grades without weakening or damaging the remaining part of the structure. During concrete removal, do not damage reinforcing bars left in place as dowels or ties incorporated into the new work.
- (3) Remove pipe culverts designated for salvage in a way that prevents damage to the culverts.
- (4) Dismantle steel structures or parts of steel structures designated for salvage in a way that avoids damage to the members. If the contract specifies removing the structure in a way that leaves it in a condition suitable for re-erection, matchmark members with durable white paint before dismantling. Mark pins, bolts, nuts, loose plates, etc., similarly to indicate their proper location. Paint pins, bolts, pinholes, and machined surfaces with a department-approved rust preventative. Securely wire loose parts to adjacent members, or label and pack them in boxes.
- (5) Remove timber structures or parts of timber structures designated for salvage in a way that prevents damage to the members.
- (6) If the engineer approves, the contractor may temporarily use materials designated for salvage in falsework used to construct new work. Do not damage or reduce the value of those materials through temporary use.

203.3.2.2.2 Deck Removal

- (1) Protect the work as specified in 107.14 during deck removal. Minimize debris falling onto water surfaces and wetlands as the contract specifies in 107.18 or in the special provisions. Also, minimize debris falling on the ground and roadway.
- (2) Do not damage existing bar steel reinforcement, girders, or other components that will be incorporated in new work. Remove decks on prestressed concrete girders using a hydraulic shear or other engineer-approved equipment. Thoroughly clean, realign, and retie reinforcement as necessary.
- (3) After deck removal is complete, notify the engineer to request a damage survey. Point out damage to the engineer. Allow one business day for the engineer to complete the damage survey. If damage is identified, the department will determine if repairs or girder restoration will be allowed.
- (4) If the department allows girder restoration, have a professional engineer registered in the State of Wisconsin analyze the effect of the damage to the bridge, make recommendations, and prepare signed and sealed computations and structural details required to restore girders to their previous structural capacity. Submit the restoration proposal, including analysis and structural details, to the department and design engineer of record. The department will accept or reject the restoration proposal within 3 business days. Do not begin restoration work until the department allows in writing.
- (5) The engineer will not extend contract time to assess or remediate contractor caused damage.

203.5.1 General

Replace the entire text with the following effective with the December 2017 letting:

- (2) Payment is full compensation for breaking down and removing; costs associated with contractor-caused damage; required salvaging, storing, and disposing of materials; and, unless the contract specifies granular backfill, for backfilling.
-

415.2.3 Expansion Joint Filler

Replace paragraph one with the following effective with the December 2017 letting:

- (1) Furnish expansion joint filler conforming to AASHTO M153, AASHTO M213, ASTM D7174, or ASTM D8139 in lengths equal to the pavement lane width and of the thickness and height the plans show. Where dowel bars are required, use filler with factory-punched holes at the dowel bar locations and with a diameter not greater than 1/8 inch larger than the nominal dowel bar diameter.
-

415.3.20 Filling Joints

Replace paragraph two with the following effective with the December 2017 letting:

- (2) Clean joints of laitance, curing compound, and other contaminants before filling. Saw construction joints at least 3/4 inches deep before filling. Sawing is not required for tooled joints in curb and gutter. Sandblast or waterblast exposed joint faces using multiple passes as required to clean joint surfaces of material that might prevent bonding. Blow clean and dry with oil-free compressed air immediately before filling.
- =====
-

415.5.1 General

Replace paragraph two with the following effective with the December 2017 letting:

- (6) Payment for Concrete Pavement Joint Filling is full compensation for filling concrete pavement joints; filling adjacent curb and gutter joints; and for sawing.
-

440.3.4.2 Contractor Testing

Replace paragraph two with the following effective with the December 2017 letting:

- (2) Coordinate with the engineer at least 24 hours before making profile runs for acceptance unless the engineer approves otherwise. The department may require testing to accommodate staged construction or if corrective action is required.
-

502.2.7 Preformed Joint Filler

Replace paragraph one with the following effective with the December 2017 letting:

- (1) Use preformed joint filler conforming to AASHTO M153, AASHTO M213, ASTM D7174, or ASTM D8139.
-

502.3.7.8 Floors

Replace paragraph fourteen with the following effective with the December 2017 letting:

- (14) Unless specified otherwise, transversely tine finish the floors of structures with approach pavements designed for speeds of 40 mph or greater as specified in 415.3.8.3, except make the tining 1/8 inch in depth and do not perform tining within 12 inches of gutters. The contractor may apply a broom finish, described below, instead of the artificial turf drag finish required before tining. The contractor may perform tining manually, if it obtains a finish satisfactory to the engineer. Perform tining within 20 degrees of the centerline of bearing of the substructure units on bridge decks having skew angles of 20 degrees or greater.

614.2.1 General

Add the following as paragraph ten effective with the December 2017 letting:

- (10) Furnish guardrail reflectors from the department's APL.

614.3.2.1 Installing Posts

Add the following as paragraph five effective with the December 2017 letting:

- (5) Provide post-mounted reflectors every 100 feet with one at the beginning and end of each run and a minimum of three reflectors per run.

614.5 Payment

Replace paragraph four with the following effective with the December 2017 letting:

- (4) Payment for the Steel Thrie Beam, Steel Plate Beam Guard, Guardrail Stiffened, MGS Guardrail, Short Radius, and various transition bid items is full compensation for providing guardrail and transitions including post-mounted reflectors; for repairing damaged zinc coatings; and for excavating, backfilling, and disposing of surplus material.

641.2.9 Overhead Sign Supports

Replace paragraph three with the following effective with the December 2017 letting:

- (3) Provide steel pole shafts, mast arms or trusses, and luminaire arms zinc coated according to ASTM A123. The contractor may provide either straight or tapered pole and arm shafts unless the plans specify otherwise. Provide bolts and other hardware conforming to 641.2.2.

642.2.2.1 General

Replace the entire text with the following effective with the December 2017 letting:

- (1) Provide each field office with two rooms, separated by an interior door with a padlock. Ensure that each room has a separate exterior door and its own air conditioner. Locate the office where a quality internet connection can be achieved.
- (2) Provide long distance telephone service via a land line for exclusive department use that has the following:
 - Two programmable touch-tone phones, one of which is cordless. Ensure that phone operations will not interfere with other telecommunications equipment.
 - Voice mail service or an answering machine.
- (3) Provide high-speed internet service for exclusive department use via cable or DSL connection with a modem/router and capable of supporting cloud enabled file sharing, voice over internet protocol (VoIP), video conferencing, and web based applications. Ensure that system meets the following:
 - Includes a wireless network for the field office.
 - Can accommodate IPsec based VPN products.
 - Has a bandwidth range as follows:

Field office with 1-5 staff:	A minimum connection speed of 5 Mbps download and 1 Mbps upload. If a cable or DSL option is not available the contractor may provide a personal hotspot using cell phone tethering or other device able to achieve the specified minimum speeds inside the field office.
Field office with 6 or more staff:	A minimum connection speed of 10 Mbps + 1/2 Mbps per user download and 5 Mbps upload.
Projects over 500 million dollars:	A minimum connection speed of 20 Mbps + 1/2 Mbps per user download and 10 Mbps upload. Coordinate network setup at the leased office with the WisDOT network team.
- (4) Provide and maintain a Windows 7 and Windows 10 compliant multi-function device with copy, print, and scan capabilities that can accommodate both 8 1/2" x 11" and 11" x 17" paper. Replenish paper, toner cartridges, and other supplies before fully expended. Ensure that department staff can connect to the device either directly or through the field office wireless network.

- (5) Equip with a drafting table with a drafter's stool. Except as specified in 642.2.2.4, provide 2 ergonomically correct office chairs in working condition with, at a minimum, the following:
1. Five-legged base with casters.
 2. Seat adjustable from 15 to 22 inches from the floor with a seamless waterfall, rounded, front edge.
 3. High backrest with no arms or adjustable arms.

645.2.2.2 Geotextile, Type SAS (Subgrade Aggregate Separation)

Replace paragraph one with the following effective with the December 2017 letting:

- (1) Furnish fabric conforming to the following physical properties:

TEST	METHOD	VALUE ^[1]
Minimum grab tensile strength	ASTM D4632	170 lb
Minimum puncture strength	ASTM D6241	350 lb
Maximum apparent opening size	ASTM D4751	No. 70
Minimum permittivity	ASTM D4491	0.35 s ⁻¹

^[1] All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

645.2.2.4 Geotextile, Type DF (Drainage Filtration)

Replace paragraph one with the following effective with the December 2017 letting:

- (1) Furnish fabric conforming with the physical requirements of either schedule A, schedule B, or schedule C as the contract specifies.

SCHEDULE A TEST	METHOD	VALUE ^[1]
Minimum grab tensile strength	ASTM D4632	110 lb
Minimum puncture strength	ASTM D6241	200 lb
Minimum apparent breaking elongation	ASTM D4632	30%
Maximum apparent opening size	ASTM D4751	300 µm
Minimum permittivity	ASTM D4491	0.70 s ⁻¹

SCHEDULE B TEST	METHOD	VALUE ^[1]
Minimum grab tensile strength	ASTM D4632	180 lb
Minimum puncture strength	ASTM D6241	350 lb
Minimum apparent breaking elongation	ASTM D4632	30%
Maximum apparent opening size	ASTM D4751	300 µm
Minimum permittivity	ASTM D4491	1.35 s ⁻¹

SCHEDULE C TEST	METHOD	VALUE ^[1]
Minimum grab tensile strength	ASTM D4632	180 lb
Minimum puncture strength	ASTM D6241	350 lb
Minimum apparent breaking elongation	ASTM D4632	15%
Maximum apparent opening size	ASTM D4751	600 µm
Minimum permittivity	ASTM D4491	1.00 s ⁻¹

^[1] All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

645.2.2.6 Geotextile, Type R (Riprap)

Replace paragraph one with the following effective with the December 2017 letting:

- (1) Use fabric conforming to the following physical properties:

TEST	METHOD	VALUE ^[1]
Minimum grab tensile strength	ASTM D4632	205 lb
Minimum puncture strength	ASTM D6241	400 lb
Minimum apparent breaking elongation	ASTM D4632	15%

Maximum apparent opening size	ASTM D4751	No. 30
Minimum permittivity	ASTM D4491	0.12 s ⁻¹

^[1] All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

645.2.2.7 Geotextile, Type HR (Heavy Riprap)

Replace paragraph one with the following effective with the December 2017 letting:

- (1) Use fabric conforming to the following physical properties:

TEST	METHOD	VALUE ^[1]
Minimum grab tensile strength, lb	ASTM D4632	305 lb
Minimum puncture strength, lb	ASTM D6241	500 lb
Minimum apparent breaking elongation, %	ASTM D4632	15%
Maximum apparent opening size	ASTM D4751	No. 30
Minimum permittivity	ASTM D4491	0.40, s ⁻¹

^[1] All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

645.2.2.8 Geotextile, Type C (Modified SAS)

Replace paragraph one with the following effective with the December 2017 letting:

- (1) Use fabric conforming to the following physical properties:

TEST	METHOD	VALUE ^[1]
Grab tensile strength, lb	ASTM D4632	205 lb
Puncture strength, lb	ASTM D6241	350 lb
Maximum apparent opening size	ASTM D4751	No. 50
Minimum permittivity	ASTM D4491	0.12 s ⁻¹

^[1] All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

715.3.1.3 Department Verification Testing

Replace paragraph one with the following effective with the December 2017 letting:

- (1) The department will perform verification testing as specified in 701.4.2 with additional testing as required to obtain at least 1 verification test per lot for air content, slump, temperature, and compressive strength.

Errata

Make the following corrections to the standard specifications:

106.3.3.1 General

Correct errata by changing "acceptance" to "approval."

- (1) For manufactured products or assemblies, the department may base approval on a product certification or require both a product certification and production plant certification.
-

205.3.1 General

Correct errata by deleting paragraph three to reflect current practice to incorporate suitable materials.

- (3) Replace unsuitable material with satisfactory material. Trim and finish the roadway. Maintain the work done under 205 in a finished condition until acceptance.
-

521.2 Materials

Correct errata by deleting bullet three and including aluminum coated pipe in bullet one.

- (1) Furnish corrugated steel pipe and steel apron end walls as follows:
 - Corrugated steel culvert pipe, steel apron endwalls, aluminum coated corrugated steel culvert pipe, and other components conforming to AASHTO M36.
 - Polymer coated corrugated steel culvert pipe and pipe arch fabricated from zinc coated sheet steel conforming to AASHTO M218. Before fabrication, coat the sheets on both sides with polymer protective coating grade 250/250 according to AASHTO M246. Fabricate the pipe according to AASHTO M245.
-

614.3.2.2 Installing Rail

Correct errata for splice location and allow punching or drilling holes and slots.

- (1) Install rail with lap splices in the direction of traffic. Ensure that the number and dimensions of holes and bolts conforms to the plan details for new splices. Place the round head of bolts on the traffic side.
 - (2) Cut rails to length by shearing or sawing; do not use cutting torches. Drill or punch bolt holes and slots; ensure that they are burr free. After installation, cut anchor bolts that project more than one inch from the nut to 1/2 inch from the nut; deburr the threaded end of cut bolts.
-

618.1 Description

Correct errata by deleting designated detours from the scope of Maintenance and Repair of Haul Roads.

- (1) This section describes maintaining, repairing, and restoring all public roads, streets, drainage facilities, and other components used for hauling by contractor, subcontractor, or supplier to support work for a department contract to its pre-haul condition. Public roads and streets shall be limited to those not a part of the State Trunk Highway System and from now on called haul roads.

ADDITIONAL SPECIAL PROVISION 7

- A. Reporting 1st Tier and DBE Payments During Construction
1. Comply with reporting requirements specified in the department's Civil Rights Compliance, Contractor's User Manual, Sublets and Payments.
 2. Report payments to all DBE firms within 10 calendar days of receipt of a progress payment by the department or a contractor for work performed, materials furnished, or materials stockpiled by a DBE firm. Report the payment as specified in A(1) for all work satisfactorily performed and for all materials furnished or stockpiled.
 3. Report payments to all first tier subcontractor relationships within 10 calendar days of receipt of a progress payment by the department for work performed. Report the payment as specified in A(1) for all work satisfactorily performed.
 4. All tiers shall report payments as necessary to comply with the DBE payment requirement as specified in A(2).
 5. Require all first tier relationships, DBE firms and all other tier relationships necessary to comply with the DBE payment requirement in receipt of a progress payment by contractor to acknowledge receipt of payment as specified in A(1), (2), (3) and (4).
 6. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4) and (5), and shall be binding on all first tier subcontractor relationships and all contractors and subcontractors utilizing DBE firms on the project.
- B. Costs for conforming to this special provision are incidental to the contract.

NOTE: CRCS Prime Contractor payment is currently not automated and will need to be manually loaded into the Civil Rights Compliance System. Copies of prime contractor payments received (check or ACH) will have to be forwarded to paul.ndon@dot.wi.gov within 5 days of payment receipt to be logged manually.

***Additionally, for information on Subcontractor Sublet assignments, Subcontractor Payments and Payment Tracking, please refer to the CRCS Payment and Sublets manual at:

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

ADDITIONAL SPECIAL PROVISION 9

Electronic Certified Payroll Submittal

(1) Use the department's Civil Rights Compliance System (CRCS) to submit certified payrolls electronically. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at:

<http://wisconsindot.gov/Pages/doing-bus/civil-rights/labornwage/default.aspx>

(2) Ensure that all tiers of subcontractors, as well as all trucking firms, submit their weekly certified payrolls electronically through CRCS. These payrolls are due within seven calendar days following the close of the payroll period. Every firm providing physical labor towards completing the project is a subcontractor under this special provision.

(3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin payrolls. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Paul Ndon at (414) 438-4584 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 contact Paul Ndon at paul.ndon@dot.wi.gov. Not every contractor's payroll system is capable of producing export files. For details, see Section 4.8 CPR Auto Submit (Data Mapping) on pages 49-50; 66-71 of the CRCS Payroll Manual at:

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

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b.(1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or

will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

Non-discrimination Provisions

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. Compliance with Regulations: The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. Non-discrimination: The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

4. Information and Reports: The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance: In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the contractor under the contract until the contractor complies; and/or
- b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. Incorporation of Provisions: The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

SEPTEMBER 2002

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE
EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)**

1. The Offeror's or Bidder's attention is called to the "Employment Practices" and "Equal Opportunity Clause" set forth in the Required Contract Provisions, FHWA 1273.
2. The goals and timetables for minority and female participation expressed in percentage terms for the contractor's aggregate work force in each trade, on all construction work in the covered area, are as follows:

Goals for Minority Participation for Each Trade:

<u>County</u>	<u>%</u>	<u>County</u>	<u>%</u>	<u>County</u>	<u>%</u>
Adams	1.7	Iowa	1.7	Polk	2.2
Ashland	1.2	Iron	1.2	Portage	0.6
Barron	0.6	Jackson	0.6	Price	0.6
Bayfield	1.2	Jefferson	7.0	Racine	8.4
Brown	1.3	Juneau	0.6	Richland	1.7
Buffalo	0.6	Kenosha	3.0	Rock	3.1
Burnett	2.2	Kewaunee	1.0	Rusk	0.6
Calumet	0.9	La Crosse	0.9	St. Croix	2.9
Chippewa	0.5	Lafayette	0.5	Sauk	1.7
Clark	0.6	Langlade	0.6	Sawyer	0.6
Columbia	1.7	Lincoln	0.6	Shawano	1.0
Crawford	0.5	Manitowoc	1.0	Sheboygan	7.0
Dane	2.2	Marathon	0.6	Taylor	0.6
Dodge	7.0	Marinette	1.0	Trempealeau	0.6
Door	1.0	Marquette	1.7	Vernon	0.6
Douglas	1.0	Menominee	1.0	Vilas	0.6
Dunn	0.6	Milwaukee	8.0	Walworth	7.0
Eau Claire	0.5	Monroe	0.6	Washburn	0.6
Florence	1.0	Oconto	1.0	Washington	8.0
Fond du Lac	1.0	Oneida	0.6	Waukesha	8.0
Forest	1.0	Outagamie	0.9	Waupaca	1.0
Grant	0.5	Ozaukee	8.0	Waushara	1.0
Green	1.7	Pepin	0.6	Winnebago	0.9
Green Lake	1.0	Pierce	2.2	Wood	0.6

Goals for female participation for each trade: 6.9%

These goals are applicable to all the contractor's construction work, (whether or not it is federal or federally assisted), performed in the covered area. If the contractor performs construction work in the geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The contractor's compliance with the Executive Order and the Regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project for the sole purpose of meeting the contractor's goals shall be a violation of the contract, the Executive Order and the Regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor, employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

As referred to in this section, the Director means:

Director
Office of Federal Contract Compliance Programs
Ruess Federal Plaza
310 W. Wisconsin Ave., Suite 1115
Milwaukee, WI 53202

The "Employer Identification Number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.

4. As used in this notice, and in the contract resulting from solicitation, the "covered area" is the county(ies) in Wisconsin to which this proposal applies.

APRIL 2013

ADDITIONAL FEDERAL-AID PROVISIONS

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidding collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

Effective August 2015 letting

BUY AMERICA PROVISION

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

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

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

<http://wisconsindot.gov/hcciDocs/contracting-info/ws4567.doc>

Cargo Preference Act Requirement

All Federal-aid projects shall comply with 46 CFR 381.7 (a) – (b) as follows:

(a) *Agreement Clauses*. “Use of United States-flag vessels:”

(1) Pursuant to Pub. L. 664 (43 U.S.C. 1241(b)) at least 50 percent of any equipment, materials or commodities procured, contracted for or otherwise obtained with funds granted, guaranteed, loaned, or advanced by the U.S. Government under this agreement, and which may be transported by ocean vessel, shall be transported on privately owned United States-flag commercial vessels, if available.

(2) Within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, ‘on-board’ commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (a)(1) of this section shall be furnished to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.”

(b) *Contractor and Subcontractor Clauses*. “Use of United States-flag vessels: The contractor agrees—”

(1) To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

(2) To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, ‘on-board’ commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b) (1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

(3) To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

Effective with February 2017 Letting

**WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF
TRANSPORTATION AND SYSTEM DEVELOPMENT**

SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS

- I.** Prevailing Wage Rates, Hours of Labor, and Payment of Wages
- II.** Payroll Requirements
- III.** Postings at the Site of the Work
- IV.** Wage Rate Distribution
- V.** Additional Classifications

**I. PREVAILING WAGE RATES, HOURS OF LABOR AND PAYMENT OF
WAGES**

The U.S. Department of Labor (Davis-Bacon Minimum Wage Rates) attached hereto and made a part hereof furnishes the prevailing wage rates pursuant to Section 84.062 of the Wisconsin Statutes. These wage rates are the minimum required to be paid to the 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 84.062, Stats. Apprentices shall be paid at rates not less than those prescribed in their apprenticeship contract.

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 16.856 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 base rate of pay. All work on Saturday, Sunday and the following holidays is to be paid at time and a half:

January 1

Last Monday in May

July 4

First Monday in September

Fourth Thursday in November

December 25

The day before if January 1, July 4 or December 25 falls on a Saturday, and

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, euclid 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.

II. PAYROLL REQUIREMENTS

All contractors and subcontractors must submit weekly Certified Payrolls and Compliance Statement verifying that all laborers, workers, mechanics and truckdrivers working on the project have been paid the prevailing wage rates for all work performed under the contract required by Section 84.062 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 and accessible place at the site of work:

- a. "NOTICE TO EMPLOYEES," which provides information required to be posted by the provisions of Section 84.062 of the Wisconsin Statutes.
- b. A copy of the U.S. Department of Labor (Davis-Bacon, Minimum Wage Rates).
- c. A copy of the contractor's Equal Employment Opportunity Policy.

All required documents shall be posted by the first day of work and be accurate and complete. Postings must be readable, in an area where they will be noticed, and maintained until the last day of work.

IV. WAGE RATE REDISTRIBUTION

A contractor or subcontractor performing work subject to a Davis-Bacon wage determination may discharge its minimum wage obligations for the payment of both straight time wages and fringe benefits by (1) paying both in cash, (2) making payments or incurring costs for bona fide fringe benefits, or (3) by a combination thereof. Thus, under the Davis-Bacon a contractor may offset an amount of monetary wages paid in excess of the minimum wage required under the determination to satisfy its fringe benefit obligations. *See* 40 USC 3142(d) and 29 CFR 5.31.

V. ADDITIONAL CLASSIFICATIONS

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5(a)(1)(ii)). The 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:

- a. The work to be performed by the classification requested is not performed by a classification in the wage determination; and
- b. The classification is utilized in the area by the construction industry; and
- c. The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

General Decision Number: WI170010 10/06/2017 WI10

Superseded General Decision Number: WI20160010

State: Wisconsin

Construction Type: Highway

Counties: Wisconsin Statewide.

HIGHWAY, AIRPORT RUNWAY & TAXIWAY CONSTRUCTION PROJECTS (does not include bridges over navigable waters; tunnels; buildings in highway rest areas; and railroad construction)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.20 for calendar year 2017 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.20 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017
1	02/03/2017
2	02/10/2017
3	02/24/2017
4	03/17/2017
5	03/31/2017
6	04/21/2017
7	04/28/2017
8	06/02/2017
9	06/23/2017
10	07/14/2017
11	07/21/2017
12	07/28/2017
13	08/11/2017
14	08/25/2017
15	09/08/2017
16	09/22/2017
17	10/06/2017

BRWI0001-002 06/01/2016

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 31.84	20.95

BRWI0002-002 06/01/2016

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 37.04	19.70

BRWI0002-005 06/01/2016

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.07	20.51

BRWI0003-002 06/01/2016		
BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 32.22	20.57

BRWI0004-002 06/01/2016		
KENOSHA, RACINE, AND WALWORTH COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 36.59	21.49

BRWI0006-002 06/01/2016		
ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 33.04	19.75

BRWI0007-002 06/01/2016		
GREEN, LAFAYETTE, AND ROCK COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 33.53	20.95

BRWI0008-002 06/01/2016		
MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 36.98	20.62

BRWI0011-002 06/01/2016		
CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 32.22	20.57

BRWI0019-002 06/01/2016		
BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 31.98	20.81

BRWI0034-002 06/01/2015		
COLUMBIA AND SAUK COUNTIES		
	Rates	Fringes
BRICKLAYER.....	\$ 32.86	17.22

CARP0087-001 05/01/2016		
BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES		
	Rates	Fringes
Carpenter & Piledrivermen.....	\$ 36.85	18.39

CARP0252-002 06/01/2016		

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO, BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except area bordering Michigan State Line), FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON, JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E. of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CARPENTER		
CARPENTER.....	\$ 33.56	18.00
MILLWRIGHT.....	\$ 35.08	18.35
PILEDRIIVER.....	\$ 34.12	18.00

CARP0252-010 06/01/2016

ASHLAND COUNTY

	Rates	Fringes
Carpenters		
Carpenter.....	\$ 33.56	18.00
Millwright.....	\$ 35.08	18.35
Pile Driver.....	\$ 34.12	18.00

CARP0264-003 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 35.78	22.11

CARP0361-004 05/01/2016

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 34.57	18.16

CARP2337-001 06/01/2016

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIIVERMAN		
Zone A.....	\$ 31.03	22.69
Zone B.....	\$ 31.03	22.69

ELEC0014-002 06/01/2017

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Maryville, Colby, Unity, Sherman, Fremont, Lynn & Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON, AND WASHBURN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.01	19.69

ELEC0014-007 06/05/2017

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician.....	\$ 25.81	14.01
Low voltage construction, installation, maintenance and removal of teledata facilities (voice, data, and video) including outside plant, telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated systems digital network).		

ELEC0127-002 06/01/2017

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 38.50	30%+10.57

ELEC0158-002 06/05/2017

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE (Wausaukee and area South thereof), OCONTO, MENOMINEE (East of a line 6 miles West of the West boundary of Oconto County), SHAWANO (Except Area North of Townships of Aniwa and Hutchins) COUNTIES

	Rates	Fringes
Electricians:.....	\$ 31.48	19.18

ELEC0159-003 06/05/2017

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and Emmet Townships), GREEN, LAKE (except Townships of Berlin, Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.75	20.96

ELEC0219-004 06/01/2016

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern, Florence and Homestead) AND MARINETTE COUNTY (Township of Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over \$180,000.....	\$ 32.38	18.63
Electrical contracts under \$180,000.....	\$ 30.18	18.42

ELEC0242-005 06/04/2017

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 35.90	25.64

ELEC0388-002 05/30/2016

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:.....	\$ 30.69	26.00% +10.05

ELEC0430-002 06/01/2017		

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 37.32	21.07

ELEC0494-005 06/01/2017		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 37.51	24.42

ELEC0494-006 06/01/2017		

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 32.06	21.88

ELEC0494-013 06/01/2015		

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupuin), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 16.47	14.84
Technician.....	\$ 26.00	17.70

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

ELEC0577-003 06/01/2017

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:.....	\$ 31.15	18.22

ELEC0890-003 06/01/2017		

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,

RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.25	19.34

ELEC0953-001 07/01/2015		

	Rates	Fringes
Line Construction:		
(1) Lineman.....	\$ 42.14	32% + 5.00
(2) Heavy Equipment Operator.....	\$ 40.03	32% + 5.00
(3) Equipment Operator.....	\$ 33.71	32% + 5.00
(4) Heavy Groundman Driver..	\$ 26.78	14.11
(5) Light Groundman Driver..	\$ 24.86	13.45
(6) Groundsman.....	\$ 23.18	32% + 5.00

ENGI0139-005 06/05/2017		

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 39.27	22.05
Group 2.....	\$ 38.77	22.05
Group 3.....	\$ 38.27	22.05
Group 4.....	\$ 38.01	22.05
Group 5.....	\$ 37.72	22.05
Group 6.....	\$ 31.82	22.05

HAZARDOUS WASTE PREMIUMS:

EPA Level "A" protection - \$3.00 per hour
 EPA Level "B" protection - \$2.00 per hour
 EPA Level "C" protection - \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs; pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap

machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender.

GROUP 6: Off-road material hauler with or without ejector.

IRON0008-002 06/01/2017

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 31.24	26.97
Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.		

IRON0008-003 06/01/2017

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	26.97
Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.		

IRON0383-001 06/01/2017

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 34.50	23.82

IRON0498-005 06/01/2016

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 36.29	30.77

IRON0512-008 05/01/2017

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 36.50	26.45

IRON0512-021 05/01/2017

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 32.04	26.45

LABO0113-002 06/05/2017		

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 26.80	21.34
Group 2.....	\$ 26.95	21.34
Group 3.....	\$ 27.15	21.34
Group 4.....	\$ 27.30	21.34
Group 5.....	\$ 27.45	21.34
Group 6.....	\$ 23.29	21.34

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;
Demolition and Wrecking Laborer; Guard Rail, Fence, and
Bridge Builder; Landscaper; Multiplate Culvert Assembler;
Stone Handler; Bituminous Worker (Shoveler, Loader, and
Utility Man); Batch Truck Dumper or Cement Handler;
Bituminous Worker (Dumper, Ironer, Smoother, and Tamper);
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler
(Pavement); Vibrator or Tamper Operator (Mechanical Hand
Operated); Chain Saw Operator; Demolition Burning Torch
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LABO0113-003 06/05/2017

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 26.05	21.34
Group 2.....	\$ 26.15	21.34
Group 3.....	\$ 26.20	21.34
Group 4.....	\$ 26.40	21.34
Group 5.....	\$ 26.25	21.34
Group 6.....	\$ 23.14	21.34

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;
Demolition and Wrecking Laborer; Guard Rail, Fence, and
Bridge Builder; Landscaper; Multiplate Culvert Assembler;
Stone Handler; Bituminous Worker (Shoveler, Loader, and
Utility Man); Batch Truck Dumper or Cement Handler;
Bituminous Worker (Dumper, Ironer, Smoother, and Tamper);
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler
(Pavement); Vibrator or Tamper Operator (Mechanical Hand
Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

LABO0113-011 06/05/2017

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 25.86	21.34
Group 2.....	\$ 26.01	21.34
Group 3.....	\$ 26.21	21.34
Group 4.....	\$ 26.18	21.34
Group 5.....	\$ 26.51	21.34
Group 6.....	\$ 23.00	21.34

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

* LABO0140-002 06/05/2017

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 30.71	16.79
Group 2.....	\$ 30.81	16.79
Group 3.....	\$ 30.86	16.79
Group 4.....	\$ 31.06	16.79
Group 5.....	\$ 30.91	16.79
Group 6.....	\$ 27.34	16.79

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch

Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter
(Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

* LABO0464-003 06/05/2017

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 30.99	16.79
Group 2.....	\$ 31.09	16.79
Group 3.....	\$ 31.14	16.79
Group 4.....	\$ 31.34	16.79
Group 5.....	\$ 31.19	16.79
Group 6.....	\$ 27.34	16.79

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;
Demolition and Wrecking Laborer; Guard Rail, Fence, and
Bridge Builder; Landscaper; Multiplate Culvert Assembler;
Stone Handler; Bituminous Worker (Shoveler, Loader, and
Utility Man); Batch Truck Dumper or Cement Handler;
Bituminous Worker (Dumper, Ironer, Smoother, and Tamper);
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler
(Pavement); Vibrator or Tamper Operator (Mechanical Hand
Operated); Chain Saw Operator; Demolition Burning Torch
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

PAIN0106-008 05/02/2016

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 29.86	16.35
Spray, Sandblast, Steel....	\$ 30.46	16.35
Repaint:		
Brush, Roller.....	\$ 28.36	16.35
Spray, Sandblast, Steel....	\$ 28.96	16.35

* PAIN0108-002 06/01/2017

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 33.74	18.95
Spray & Sandblast.....	\$ 34.74	18.95

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK,
SAWYER, ST. CROIX, AND WASHBURN COUNTIES

	Rates	Fringes
PAINTER.....	\$ 24.11	12.15

PAIN0259-004 05/01/2015

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPLEALEAU, AND
VERNON COUNTIES

	Rates	Fringes
PAINTER.....	\$ 22.03	12.45

PAIN0781-002 06/01/2017

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 30.60	22.80
Brush.....	\$ 30.25	22.80
Spray & Sandblast.....	\$ 31.00	22.80

PAIN0802-002 06/01/2017

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,
ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush.....	\$ 28.25	17.72

PREMIUM PAY:
 Structural Steel, Spray, Bridges = \$1.00 additional per
 hour.

PAIN0802-003 06/01/2017

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN
LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC,
MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA,
OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS,
WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER.....	\$ 24.89	12.05

PAIN0934-001 06/01/2017

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 33.74	18.95
Spray.....	\$ 34.74	18.95
Structural Steel.....	\$ 33.89	18.95

PAIN1011-002 06/01/2017

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 24.86	12.23

PLAS0599-010 06/01/2017

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area 1.....	\$ 39.46	17.17
Area 2 (BAC).....	\$ 35.07	19.75
Area 3.....	\$ 35.61	19.40

Area 4.....	\$ 34.70	20.51
Area 5.....	\$ 36.27	18.73
Area 6.....	\$ 32.02	22.99

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE, MONROE, PEPIN, PIERCE, RICHLAND, TREMPEREAU, AND VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2017

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 27.40	20.48
3 or more Axles; Euclids Dumptor & Articulated, Truck Mechanic.....	\$ 27.55	20.48

WELL DRILLER.....	\$ 16.52	3.70

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular

rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial

contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

March 2017

**NOTICE TO BIDDERS
WAGE RATE DECISION**

The wage rate decision of the Department of Labor which has been incorporated in these advertised specifications is incomplete in that the classifications may be omitted from the Department of Labor's decision.

Since the bidder is responsible, independently, for ascertaining area practice with respect to the necessity, or lack of necessity, for the use of these classifications in the prosecution of the work contemplated by this project, no inference may be drawn from the omission of these classifications concerning prevailing area practices relative to their use. Further, this omission will not, per se, be construed as establishing any governmental liability for increased labor cost if it is subsequently determined that such classifications are required.

There may be omissions and/or errors in the federal wage rates. The bidder is responsible for evaluating and determining the correct applicable rate.

If a project includes multiple types of construction (highway, bridge over navigable water, sanitary sewer and water main, building) and there is not a separate wage determination for this type of work included in the proposal, use the wage determination that is in the proposal.



Proposal Schedule of Items

Page 1 of 21

Proposal ID: 20171212007 Project(s): 5144-01-75, 5144-01-76

Federal ID(s): WISC 2018005, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0105 Clearing	2.000 STA	_____.	_____.
0004	201.0205 Grubbing	2.000 STA	_____.	_____.
0006	203.0100 Removing Small Pipe Culverts	9.000 EACH	_____.	_____.
0008	204.0100 Removing Pavement	8,870.000 SY	_____.	_____.
0010	204.0150 Removing Curb & Gutter	6,240.000 LF	_____.	_____.
0012	204.0155 Removing Concrete Sidewalk	1,639.000 SY	_____.	_____.
0014	204.0165 Removing Guardrail	644.000 LF	_____.	_____.
0016	204.0195 Removing Concrete Bases	12.000 EACH	_____.	_____.
0018	204.0210 Removing Manholes	12.000 EACH	_____.	_____.
0020	204.0220 Removing Inlets	28.000 EACH	_____.	_____.
0022	204.0245 Removing Storm Sewer (size) 01. 12-INCH	749.000 LF	_____.	_____.
0024	204.0245 Removing Storm Sewer (size) 02. 15-INCH	10.000 LF	_____.	_____.
0026	204.0245 Removing Storm Sewer (size) 03. 18-INCH	114.000 LF	_____.	_____.
0028	204.0245 Removing Storm Sewer (size) 04. 24-INCH	450.000 LF	_____.	_____.
0030	204.0245 Removing Storm Sewer (size) 05. 36-INCH	426.000 LF	_____.	_____.



Proposal Schedule of Items

Page 2 of 21

Proposal ID: 20171212007 Project(s): 5144-01-75, 5144-01-76

Federal ID(s): WISC 2018005, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	204.0280 Sealing Pipes	4.000 EACH	_____.	_____.
0034	204.0291.S Abandoning Sewer	402.000 CY	_____.	_____.
0036	204.9060.S Removing (item description) 01. Traffic Signal Units STH 16 & STH 27	1.000 EACH	_____.	_____.
0038	204.9060.S Removing (item description) 02. FIRE HYDRANT	9.000 EACH	_____.	_____.
0040	204.9060.S Removing (item description) 03. SANITARY MANHOLE	5.000 EACH	_____.	_____.
0042	204.9060.S Removing (item description) 04. VALVE BOX	14.000 EACH	_____.	_____.
0044	204.9060.S Removing (item description) 05. Apron End Walls	2.000 EACH	_____.	_____.
0046	205.0100 Excavation Common	28,527.000 CY	_____.	_____.
0048	213.0100 Finishing Roadway (project) 01. 5144-01-75	1.000 EACH	_____.	_____.
0050	213.0100 Finishing Roadway (project) 02. 5144-01-76	1.000 EACH	_____.	_____.
0052	305.0110 Base Aggregate Dense 3/4-Inch	152.000 TON	_____.	_____.
0054	305.0120 Base Aggregate Dense 1 1/4-Inch	16,903.000 TON	_____.	_____.
0056	305.0130 Base Aggregate Dense 3-Inch	6,151.000 TON	_____.	_____.
0058	312.0110 Select Crushed Material	2,863.000 TON	_____.	_____.
0060	405.0100 Coloring Concrete WisDOT Red	266.000 CY	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0062	415.0090 Concrete Pavement 9-Inch	23,145.000 SY	_____.	_____.
0064	415.0210 Concrete Pavement Gaps	24.000 EACH	_____.	_____.
0066	415.0410 Concrete Pavement Approach Slab	57.000 SY	_____.	_____.
0068	415.5110.S Concrete Pavement Joint Layout	1.000 LS	_____.	_____.
0070	416.0160 Concrete Driveway 6-Inch	111.000 SY	_____.	_____.
0072	416.0180 Concrete Driveway 8-Inch	1,193.000 SY	_____.	_____.
0074	416.0512 Concrete Truck Apron 12-Inch	651.000 SY	_____.	_____.
0076	416.0610 Drilled Tie Bars	16.000 EACH	_____.	_____.
0078	416.1010 Concrete Surface Drains	4.000 CY	_____.	_____.
0080	440.4410 Incentive IRI Ride	3,928.000 DOL	1.00000	3,928.00
0082	455.0605 Tack Coat	2,846.000 GAL	_____.	_____.
0084	460.5223 HMA Pavement 3 LT 58-28 S	978.000 TON	_____.	_____.
0086	460.5224 HMA Pavement 4 LT 58-28 S	732.000 TON	_____.	_____.
0088	465.0120 Asphaltic Surface Driveways and Field Entrances	53.000 TON	_____.	_____.
0090	465.0125 Asphaltic Surface Temporary	945.000 TON	_____.	_____.
0092	465.0310 Asphaltic Curb	561.000 LF	_____.	_____.



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Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0094	520.2012 Culvert Pipe Temporary 12-Inch	44.000 LF	_____.	_____.
0096	520.2015 Culvert Pipe Temporary 15-Inch	60.000 LF	_____.	_____.
0098	520.2018 Culvert Pipe Temporary 18-Inch	122.000 LF	_____.	_____.
0100	520.8000 Concrete Collars for Pipe	4.000 EACH	_____.	_____.
0102	520.8700 Cleaning Culvert Pipes	1.000 EACH	_____.	_____.
0104	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch	1.000 EACH	_____.	_____.
0106	521.2005.S Surface Drain Pipe Corrugated Metal Slotted (inch) 01. 12-Inch	33.000 LF	_____.	_____.
0108	522.1060 Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	1.000 EACH	_____.	_____.
0110	601.0120 Concrete Curb Type J	126.000 LF	_____.	_____.
0112	601.0405 Concrete Curb & Gutter 18-Inch Type A	250.000 LF	_____.	_____.
0114	601.0409 Concrete Curb & Gutter 30-Inch Type A	7,370.000 LF	_____.	_____.
0116	601.0411 Concrete Curb & Gutter 30-Inch Type D	2,922.000 LF	_____.	_____.
0118	601.0413 Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	207.000 LF	_____.	_____.
0120	601.0551 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	344.000 LF	_____.	_____.
0122	601.0580 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	435.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0124	602.0410 Concrete Sidewalk 5-Inch	40,255.000 SF	_____.	_____.
0126	602.0505 Curb Ramp Detectable Warning Field Yellow	602.000 SF	_____.	_____.
0128	606.0300 Riprap Heavy	22.000 CY	_____.	_____.
0130	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	1,660.000 LF	_____.	_____.
0132	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	460.000 LF	_____.	_____.
0134	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	145.000 LF	_____.	_____.
0136	608.0321 Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	77.000 LF	_____.	_____.
0138	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	155.000 LF	_____.	_____.
0140	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	1,000.000 LF	_____.	_____.
0142	608.0354 Storm Sewer Pipe Reinforced Concrete Class III 54-Inch	71.000 LF	_____.	_____.
0144	608.0360 Storm Sewer Pipe Reinforced Concrete Class III 60-Inch	1,547.000 LF	_____.	_____.
0146	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	54.000 LF	_____.	_____.
0148	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	8.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0150	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	41.000 LF	_____.	_____.
0152	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	76.000 LF	_____.	_____.
0154	608.0454 Storm Sewer Pipe Reinforced Concrete Class IV 54-Inch	361.000 LF	_____.	_____.
0156	608.0460 Storm Sewer Pipe Reinforced Concrete Class IV 60-Inch	217.000 LF	_____.	_____.
0158	608.3012 Storm Sewer Pipe Class III-A 12-Inch	28.000 LF	_____.	_____.
0160	608.3015 Storm Sewer Pipe Class III-A 15-Inch	10.000 LF	_____.	_____.
0162	611.0430 Reconstructing Inlets	4.000 EACH	_____.	_____.
0164	611.0530 Manhole Covers Type J	22.000 EACH	_____.	_____.
0166	611.0545 Manhole Covers Type L	3.000 EACH	_____.	_____.
0168	611.0624 Inlet Covers Type H	58.000 EACH	_____.	_____.
0170	611.0636 Inlet Covers Type HM-S	5.000 EACH	_____.	_____.
0172	611.0639 Inlet Covers Type H-S	14.000 EACH	_____.	_____.
0174	611.0642 Inlet Covers Type MS	3.000 EACH	_____.	_____.
0176	611.0651 Inlet Covers Type S	4.000 EACH	_____.	_____.
0178	611.0652 Inlet Covers Type T	2.000 EACH	_____.	_____.
0180	611.2003 Manholes 3-FT Diameter	3.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0182	611.2004 Manholes 4-FT Diameter	10.000 EACH	_____.	_____.
0184	611.2005 Manholes 5-FT Diameter	2.000 EACH	_____.	_____.
0186	611.2006 Manholes 6-FT Diameter	1.000 EACH	_____.	_____.
0188	611.2007 Manholes 7-FT Diameter	1.000 EACH	_____.	_____.
0190	611.2008 Manholes 8-FT Diameter	17.000 EACH	_____.	_____.
0192	611.3004 Inlets 4-FT Diameter	1.000 EACH	_____.	_____.
0194	611.3230 Inlets 2x3-FT	60.000 EACH	_____.	_____.
0196	611.3901 Inlets Median 1 Grate	3.000 EACH	_____.	_____.
0198	611.8110 Adjusting Manhole Covers	6.000 EACH	_____.	_____.
0200	611.8115 Adjusting Inlet Covers	1.000 EACH	_____.	_____.
0202	611.8120.S Cover Plates Temporary	4.000 EACH	_____.	_____.
0204	612.0106 Pipe Underdrain 6-Inch	148.000 LF	_____.	_____.
0206	612.0212 Pipe Underdrain Unperforated 12-Inch	26.000 LF	_____.	_____.
0208	614.2300 MGS Guardrail 3	325.000 LF	_____.	_____.
0210	614.2500 MGS Thrie Beam Transition	78.000 LF	_____.	_____.
0212	614.2610 MGS Guardrail Terminal EAT	2.000 EACH	_____.	_____.
0214	619.1000 Mobilization	1.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0216	620.0100 Concrete Corrugated Median	260.000 SF	_____.	_____.
0218	620.0300 Concrete Median Sloped Nose	665.000 SF	_____.	_____.
0220	624.0100 Water	576.000 MGAL	_____.	_____.
0222	625.0100 Topsoil	9,900.000 SY	_____.	_____.
0224	627.0200 Mulching	5,765.000 SY	_____.	_____.
0226	628.1504 Silt Fence	3,906.000 LF	_____.	_____.
0228	628.1520 Silt Fence Maintenance	3,906.000 LF	_____.	_____.
0230	628.1905 Mobilizations Erosion Control	5.000 EACH	_____.	_____.
0232	628.1910 Mobilizations Emergency Erosion Control	10.000 EACH	_____.	_____.
0234	628.2004 Erosion Mat Class I Type B	6,317.000 SY	_____.	_____.
0236	628.2006 Erosion Mat Urban Class I Type A	293.000 SY	_____.	_____.
0238	628.2008 Erosion Mat Urban Class I Type B	3,201.000 SY	_____.	_____.
0240	628.7005 Inlet Protection Type A	14.000 EACH	_____.	_____.
0242	628.7015 Inlet Protection Type C	44.000 EACH	_____.	_____.
0244	628.7020 Inlet Protection Type D	33.000 EACH	_____.	_____.
0246	628.7504 Temporary Ditch Checks	81.000 LF	_____.	_____.
0248	628.7555 Culvert Pipe Checks	12.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0250	628.7560 Tracking Pads	11.000 EACH	_____.	_____.
0252	629.0210 Fertilizer Type B	8.000 CWT	_____.	_____.
0254	630.0130 Seeding Mixture No. 30	202.000 LB	_____.	_____.
0256	630.0200 Seeding Temporary	183.000 LB	_____.	_____.
0258	632.0101 Trees (species) (size) (root) 01. Apple Serviceberry "Autumn Brilliance" B&B 6-FT	2.000 EACH	_____.	_____.
0260	632.0201 Shrubs (species) (size) (root) 02. Juniper Pfitzer "Kallay's Compact" Container 24-Inch Spread	16.000 EACH	_____.	_____.
0262	632.9101 Landscape Planting Surveillance and Care Cycles	26.000 EACH	_____.	_____.
0264	633.5200 Markers Culvert End	2.000 EACH	_____.	_____.
0266	634.0614 Posts Wood 4x6-Inch X 14-FT	14.000 EACH	_____.	_____.
0268	634.0616 Posts Wood 4x6-Inch X 16-FT	18.000 EACH	_____.	_____.
0270	634.0618 Posts Wood 4x6-Inch X 18-FT	3.000 EACH	_____.	_____.
0272	634.0620 Posts Wood 4x6-Inch X 20-FT	2.000 EACH	_____.	_____.
0274	634.0622 Posts Wood 4x6-Inch X 22-FT	5.000 EACH	_____.	_____.
0276	634.0809 Posts Tubular Steel 2x2-Inch X 9.5-FT	1.000 EACH	_____.	_____.
0278	634.0811 Posts Tubular Steel 2x2-Inch X 11-FT	24.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0280	634.0885 Posts Tubular Steel 2x2-Inch X 8.5-FT	8.000 EACH	_____.	_____.
0282	637.2210 Signs Type II Reflective H	788.130 SF	_____.	_____.
0284	637.2230 Signs Type II Reflective F	25.500 SF	_____.	_____.
0286	638.2602 Removing Signs Type II	55.000 EACH	_____.	_____.
0288	638.3000 Removing Small Sign Supports	43.000 EACH	_____.	_____.
0290	642.5401 Field Office Type D	1.000 EACH	_____.	_____.
0292	643.0300 Traffic Control Drums	56,293.000 DAY	_____.	_____.
0294	643.0420 Traffic Control Barricades Type III	6,275.000 DAY	_____.	_____.
0296	643.0705 Traffic Control Warning Lights Type A	6,222.000 DAY	_____.	_____.
0298	643.0715 Traffic Control Warning Lights Type C	9,233.000 DAY	_____.	_____.
0300	643.0800 Traffic Control Arrow Boards	286.000 DAY	_____.	_____.
0302	643.0900 Traffic Control Signs	42,354.000 DAY	_____.	_____.
0304	643.1051 Traffic Control Signs PCMS with Cellular Communications	554.000 DAY	_____.	_____.
0306	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0308	644.1420.S Temporary Pedestrian Surface Plywood	1,730.000 SF	_____.	_____.
0310	644.1601.S Temporary Curb Ramp	4.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0312	644.1616.S Temporary Pedestrian Safety Fence	692.000 LF	_____.	_____.
0314	645.0111 Geotextile Type DF Schedule A	158.000 SY	_____.	_____.
0316	645.0120 Geotextile Type HR	58.000 SY	_____.	_____.
0318	646.1020 Marking Line Epoxy 4-Inch	13,674.000 LF	_____.	_____.
0320	646.3020 Marking Line Epoxy 8-Inch	1,090.000 LF	_____.	_____.
0322	646.5020 Marking Arrow Epoxy	49.000 EACH	150.00000	7,350.00
0324	646.5120 Marking Word Epoxy	11.000 EACH	_____.	_____.
0326	646.5220 Marking Symbol Epoxy	23.000 EACH	_____.	_____.
0328	646.6120 Marking Stop Line Epoxy 18-Inch	255.000 LF	_____.	_____.
0330	646.6220 Marking Yield Line Epoxy 18-Inch	89.000 EACH	_____.	_____.
0332	646.7120 Marking Diagonal Epoxy 12-Inch	666.000 LF	_____.	_____.
0334	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	1,867.000 LF	_____.	_____.
0336	646.8120 Marking Curb Epoxy	254.000 LF	_____.	_____.
0338	646.8220 Marking Island Nose Epoxy	12.000 EACH	_____.	_____.
0340	646.9000 Marking Removal Line 4-Inch	3,770.000 LF	_____.	_____.
0342	649.0120 Temporary Marking Line Epoxy 4-Inch	12,120.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0344	649.0150 Temporary Marking Line Removable Tape 4-Inch	66,717.000 LF	_____.	_____.
0346	650.4000 Construction Staking Storm Sewer	107.000 EACH	_____.	_____.
0348	650.4500 Construction Staking Subgrade	12,951.000 LF	_____.	_____.
0350	650.5000 Construction Staking Base	4,690.000 LF	_____.	_____.
0352	650.5500 Construction Staking Curb Gutter and Curb & Gutter	2,925.000 LF	_____.	_____.
0354	650.6000 Construction Staking Pipe Culverts	4.000 EACH	_____.	_____.
0356	650.7000 Construction Staking Concrete Pavement	8,713.000 LF	_____.	_____.
0358	650.8500 Construction Staking Electrical Installations (project) 01. 5144-01-75	LS	LUMP SUM	_____.
0360	650.9910 Construction Staking Supplemental Control (project) 01. 5144-01-75	LS	LUMP SUM	_____.
0362	650.9920 Construction Staking Slope Stakes	10,621.000 LF	_____.	_____.
0364	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	5,473.000 LF	_____.	_____.
0366	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	1,059.000 LF	_____.	_____.
0368	652.0800 Conduit Loop Detector	1,024.000 LF	_____.	_____.
0370	653.0105 Pull Boxes Steel 12x24-Inch	12.000 EACH	_____.	_____.
0372	653.0164 Pull Boxes Non-Conductive 24x42-Inch	30.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0374	654.0101 Concrete Bases Type 1	5.000 EACH	_____.	_____.
0376	654.0113 Concrete Bases Type 13	4.000 EACH	_____.	_____.
0378	654.0217 Concrete Control Cabinet Bases Type 9 Special	1.000 EACH	_____.	_____.
0380	654.0224 Concrete Control Cabinet Bases Type L24	2.000 EACH	_____.	_____.
0382	655.0210 Cable Traffic Signal 3-14 AWG	135.000 LF	_____.	_____.
0384	655.0230 Cable Traffic Signal 5-14 AWG	733.000 LF	_____.	_____.
0386	655.0260 Cable Traffic Signal 12-14 AWG	1,377.000 LF	_____.	_____.
0388	655.0305 Cable Type UF 2-12 AWG Grounded	678.000 LF	_____.	_____.
0390	655.0610 Electrical Wire Lighting 12 AWG	4,740.000 LF	_____.	_____.
0392	655.0620 Electrical Wire Lighting 8 AWG	15,255.000 LF	_____.	_____.
0394	655.0625 Electrical Wire Lighting 6 AWG	15,255.000 LF	_____.	_____.
0396	655.0700 Loop Detector Lead In Cable	3,132.000 LF	_____.	_____.
0398	655.0800 Loop Detector Wire	4,274.000 LF	_____.	_____.
0400	656.0200 Electrical Service Meter Breaker Pedestal (location) 01. STH 16	LS	LUMP SUM	_____.
0402	656.0200 Electrical Service Meter Breaker Pedestal (location) 02. Roundabout Lighting	LS	LUMP SUM	_____.



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0404	656.0200 Electrical Service Meter Breaker Pedestal (location) 03. Mainline Lighting	LS	LUMP SUM	_____.
0406	657.0100 Pedestal Bases	5.000 EACH	_____.	_____.
0408	657.0405 Traffic Signal Standards Aluminum 3.5-FT	1.000 EACH	_____.	_____.
0410	657.0425 Traffic Signal Standards Aluminum 15-FT	4.000 EACH	_____.	_____.
0412	658.0173 Traffic Signal Face 3S 12-Inch	12.000 EACH	_____.	_____.
0414	658.0174 Traffic Signal Face 4S 12-Inch	8.000 EACH	_____.	_____.
0416	658.0416 Pedestrian Signal Face 16-Inch	8.000 EACH	_____.	_____.
0418	658.0500 Pedestrian Push Buttons	9.000 EACH	_____.	_____.
0420	658.5069 Signal Mounting Hardware (location) 01. STH 27 & STH 16 Intersection	LS	LUMP SUM	_____.
0422	659.1125 Luminaires Utility LED C	4.000 EACH	_____.	_____.
0424	659.2124 Lighting Control Cabinets 120/240 24-Inch	2.000 EACH	_____.	_____.
0426	661.0200 Temporary Traffic Signals for Intersections (location) 01. STH 16	LS	LUMP SUM	_____.
0428	690.0150 Sawing Asphalt	8,092.000 LF	_____.	_____.
0430	690.0250 Sawing Concrete	3,916.000 LF	_____.	_____.
0432	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,000.000 HRS	5.00000	10,000.00



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0434	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	1,320.000 HRS	5.00000	6,600.00
0436	SPV.0035 Special 01. ROCK EXCAVATION FOR UTILITIES	100.000 CY	_____.	_____.
0438	SPV.0035 Special 02. IMPORTED GRANULAR BACKFILL FOR SANITARY SEWER	300.000 CY	_____.	_____.
0440	SPV.0035 Special 03. IMPORTED GRANULAR BACKFILL FOR WATER MAIN	200.000 CY	_____.	_____.
0442	SPV.0035 Special 04. Planting Mixture	110.000 CY	_____.	_____.
0444	SPV.0060 Special 01. Concrete Bases Type Special	19.000 EACH	_____.	_____.
0446	SPV.0060 Special 02. Poles Over Height Type 13	4.000 EACH	_____.	_____.
0448	SPV.0060 Special 03. Monotube Arms 45-FT	1.000 EACH	_____.	_____.
0450	SPV.0060 Special 04. Monotube Arms 50-FT	3.000 EACH	_____.	_____.
0452	SPV.0060 Special 05. Lunimaire Arms Steel 15-FT	4.000 EACH	_____.	_____.
0454	SPV.0060 Special 06. Traffic Signal Controller Actuated 8 Phase	1.000 EACH	_____.	_____.
0456	SPV.0060 Special 07. Perennials Feather Reed Grass Karl Foerster CG 1 Gal	51.000 EACH	_____.	_____.
0458	SPV.0060 Special 08. Black Paint Traffic Signal Controller Cabinet	1.000 EACH	_____.	_____.
0460	SPV.0060 Special 09. WATER MANHOLE	1.000 EACH	_____.	_____.



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0462	SPV.0060 Special 10. WATER MANHOLE COVER TYPE J SPECIAL	1.000 EACH	_____.	_____.
0464	SPV.0060 Special 11. ADJUST WATER VALVE BOX WITH NEW BOX TOP	9.000 EACH	_____.	_____.
0466	SPV.0060 Special 12. INSTALL WATER VALVE BOX ON EXISTING VALVE	5.000 EACH	_____.	_____.
0468	SPV.0060 Special 13. WATER VALVE AND BOX 6- INCH	6.000 EACH	_____.	_____.
0470	SPV.0060 Special 14. WATER VALVE AND BOX 8- INCH	10.000 EACH	_____.	_____.
0472	SPV.0060 Special 15. WATER VALVE AND BOX 12-INCH	4.000 EACH	_____.	_____.
0474	SPV.0060 Special 16. TEE 12-INCH X 12-INCH X 12-INCH	1.000 EACH	_____.	_____.
0476	SPV.0060 Special 17. TEE 12-INCH X 8-INCH X 12-INCH	1.000 EACH	_____.	_____.
0478	SPV.0060 Special 18. TEE 12-INCH X 6-INCH X 12-INCH	1.000 EACH	_____.	_____.
0480	SPV.0060 Special 19. TEE 8-INCH X 6-INCH X 8- INCH	5.000 EACH	_____.	_____.
0482	SPV.0060 Special 20. TEE 8-INCH X 8-INCH X 8- INCH	3.000 EACH	_____.	_____.
0484	SPV.0060 Special 21. BEND 45 DEGREE 12-INCH	10.000 EACH	_____.	_____.
0486	SPV.0060 Special 22. BEND 22.5 DEGREE 12- INCH	1.000 EACH	_____.	_____.



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Federal ID(s): WISC 2018005, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0488	SPV.0060 Special 23. BEND 22.5 DEGREE 8-INCH	2.000 EACH	_____.	_____.
0490	SPV.0060 Special 24. BEND 45 DEGREE 8-INCH	29.000 EACH	_____.	_____.
0492	SPV.0060 Special 25. Manholes 9-FT Diameter	3.000 EACH	_____.	_____.
0494	SPV.0060 Special 26. BEND 45 DEGREE 6-INCH	2.000 EACH	_____.	_____.
0496	SPV.0060 Special 27. REDUCER 8-INCH X 6-INCH	3.000 EACH	_____.	_____.
0498	SPV.0060 Special 28. REDUCER 12-INCH X 8-INCH	1.000 EACH	_____.	_____.
0500	SPV.0060 Special 29. SLEEVE 6-INCH	1.000 EACH	_____.	_____.
0502	SPV.0060 Special 30. SLEEVE 8-INCH	6.000 EACH	_____.	_____.
0504	SPV.0060 Special 31. PLUG 6-INCH	2.000 EACH	_____.	_____.
0506	SPV.0060 Special 32. CORPORATION & CURB STOP & BOX & RECONNECT/CAP (SET) 1-INCH	8.000 EACH	_____.	_____.
0508	SPV.0060 Special 33. FIRE HYDRANT EXTENSION 12-INCH	3.000 EACH	_____.	_____.
0510	SPV.0060 Special 34. FIRE HYDRANT EXTENSION 6-INCH	2.000 EACH	_____.	_____.
0512	SPV.0060 Special 35. FIRE HYDRANT	7.000 EACH	_____.	_____.
0514	SPV.0060 Special 36. CONNECT TO EXISTING WATER MAIN	19.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20171212007 Project(s): 5144-01-75, 5144-01-76

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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0516	SPV.0060 Special 37. SANITARY MANHOLE TYPE I	13.000 EACH	_____.	_____.
0518	SPV.0060 Special 38. SANITARY SEWER MANHOLE TYPE I WITH OUTSIDE DROP	1.000 EACH	_____.	_____.
0520	SPV.0060 Special 39. SANITARY SEWER 15-INCH X 15-INCH PVC PIPE SLEEVE	1.000 EACH	_____.	_____.
0522	SPV.0060 Special 40. SANITARY SEWER 8-INCH DIA. X 2-FT STUB WITH PLUG	1.000 EACH	_____.	_____.
0524	SPV.0060 Special 41. SANITARY SEWER WYE 8-INCH MAIN X 6-INCH /W TRACER WIRE AND TERMINAL BOX	2.000 EACH	_____.	_____.
0526	SPV.0060 Special 42. SANITARY SEWER WYE 10-INCH MAIN X 6-INCH /W TRACER WIRE AND TERMINAL BOX	3.000 EACH	_____.	_____.
0528	SPV.0060 Special 43. SANITARY SEWER WYE 12-INCH MAIN X 6-INCH /W TRACER WIRE AND TERMINAL BOX	1.000 EACH	_____.	_____.
0530	SPV.0060 Special 44. CONNECT TO EXISTING SANTIARY SEWER MANHOLE	1.000 EACH	_____.	_____.
0532	SPV.0060 Special 45. CONNECT TO EXISTING SANITARY SEWER MAIN	8.000 EACH	_____.	_____.
0534	SPV.0060 Special 46. SANITARY MANHOLE COVERS TYPE J	22.000 EACH	_____.	_____.
0536	SPV.0060 Special 47. ADJUST SANITARY MANHOLES TYPE A	8.000 EACH	_____.	_____.
0538	SPV.0060 Special 48. ABANDON WATER MANHOLE	4.000 EACH	_____.	_____.



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Contract Items

Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0540	SPV.0060 Special 49. RIGID INSULATION 4-FT X 8-FT X 2-INCH	34.000 EACH	_____.	_____.
0542	SPV.0060 Special 50. Black Paint Poles Over Height Type 13	4.000 EACH	_____.	_____.
0544	SPV.0060 Special 51. Black Paint Monotube Arms 45-FT	1.000 EACH	_____.	_____.
0546	SPV.0060 Special 52. Black Paint Monotube Arms 50-FT	3.000 EACH	_____.	_____.
0548	SPV.0060 Special 53. Black Paint Luminaire Arms 15-FT	4.000 EACH	_____.	_____.
0550	SPV.0060 Special 54. Black Paint Pedestal Bases	5.000 EACH	_____.	_____.
0552	SPV.0060 Special 55. Perennials, Prairie Dropseed CG 1 Gal	93.000 EACH	_____.	_____.
0554	SPV.0060 Special 56. Black Paint Traffic Signal Standard Aluminum 3.5'	1.000 EACH	_____.	_____.
0556	SPV.0060 Special 57. Black Paint Traffic Signal Standard Aluminum 15'	4.000 EACH	_____.	_____.
0558	SPV.0060 Special 58. Lighting Unit Type Special	10.000 EACH	_____.	_____.
0560	SPV.0060 Special 59. Lighting Unit Type Special 1	9.000 EACH	_____.	_____.
0562	SPV.0060 Special 60. ADJUST WATER VALVE BOX TOP	10.000 EACH	_____.	_____.
0564	SPV.0060 Special 61. CORPORATION & CURB STOP & BOX & RECONNECT/CAP (SET) 2-INCH	1.000 EACH	_____.	_____.



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SECTION: 0001

Contract Items

Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0566	SPV.0060 Special 62. Black Paint Luminaires Utility LED C	4.000 EACH	_____.	_____.
0568	SPV.0060 Special 63. Black Paint Lighting Control Cabinet	2.000 EACH	_____.	_____.
0570	SPV.0060 Special 64. ABANDON EXISTING WATER MAIN	16.000 EACH	_____.	_____.
0572	SPV.0060 Special 65. ABANDON EXISTING SANITARY SEWER	2.000 EACH	_____.	_____.
0574	SPV.0090 Special 01. Concrete Curb And Gutter 18-Inch Type G	1,047.000 LF	_____.	_____.
0576	SPV.0090 Special 02. WATER MAIN DUCTILE IRON 6-INCH	127.000 LF	_____.	_____.
0578	SPV.0090 Special 03. WATER MAIN DUCTILE IRON 8-INCH	1,495.000 LF	_____.	_____.
0580	SPV.0090 Special 04. WATER MAIN DUCTILE IRON 12-INCH	1,502.000 LF	_____.	_____.
0582	SPV.0090 Special 05. SANITARY SEWER PIPE PVC 8-INCH	138.000 LF	_____.	_____.
0584	SPV.0090 Special 06. SANITARY SEWER PIPE PVC 10-INCH	1,501.000 LF	_____.	_____.
0586	SPV.0090 Special 08. SANITARY SEWER PIPE PVC 15-INCH	990.000 LF	_____.	_____.
0588	SPV.0090 Special 09. SANITARY SEWER SERVICE 4-INCH	50.000 LF	_____.	_____.
0590	SPV.0090 Special 10. SANITARY SEWER SERVICE 6-INCH	253.000 LF	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0592	SPV.0090 Special 11. WATER SERVICE 1-INCH COPPER	416.000 LF	_____.	_____.
0594	SPV.0090 Special 12. WATER SERVICE 2-INCH COPPER	47.000 LF	_____.	_____.
0596	SPV.0105 Special 03. BYPASS PUMPING AND FLOW MANAGEMENT	LS	LUMP SUM	_____.
0598	SPV.0105 Special 04. CONSTRUCTION STAKING WATER MAIN	LS	LUMP SUM	_____.
0600	SPV.0105 Special 05. CONSTRUCITON STAKING SANITARY SEWER	LS	LUMP SUM	_____.
0602	SPV.0105 Special 06. 4" PVC Drain	LS	LUMP SUM	_____.
0604	SPV.0105 Special 07. Ben Bikin Medallion	LS	LUMP SUM	_____.
0606	SPV.0165 Special 01. Permeable Interlocking Concrete Pavers	330.000 SF	_____.	_____.
0608	SPV.0180 Special 01. Shredded Hardwood Bark Mulch	165.000 SY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

PLEASE ATTACH SCHEDULE OF ITEMS HERE