HIGHWAY WORK PROPOSAL

Proposal Number: 1 4

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

COUNTY	STATE PROJECT ID	FEDERAL PROJECT ID	PROJECT DESCRIPTION	HIGHWAY
Washington	4060-05-70	WISC 2013 516	Main Street USH 45 to STH 144	STH 28
Washington	4060-05-71		Main Street, Village of Kewaskum USH 45 to STH 144	STH 28

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 10, 2013 Time (Local Time): 9:00 AM	Firm Name, Address, City, State, Zip Code **SAMPLE** **NOT FOR BIDDING PURPOSES**
Contract Completion Time One hundred forty (140) Working Days	
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 Pavement removal, common excavation, excavation of contaminated soils, milling, base course, HMA Pavement, Structures B-66-184, R-66-31, R-66-21, concrete curb and gutter, traffic signals, storm sewer, landscaping, signing, pavement marking,sanitary sewer, water main and lateral replacements.	
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 2007 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://www.dot.wisconsin.gov/business/engrserv/bid-letting-information.htm. The contractor is responsible for reviewing this web site for general notices as well as information regarding proposals in each letting. The department will also post special notices of all addenda to each proposal through this web site no later than 4:00 P.M. local time on the Thursday before the letting. Check the department's web site after 5:00 P.M. local time on the Thursday before the letting to ensure all addenda have been accounted for before preparing the bid. When bidding using methods 1 and 2 above, check the Bid Express™ on-line bidding exchange at http://www.bidx.com/ after 5:00 P.M. local time on the Thursday before the letting to ensure that the latest schedule of items Expedite file (*.ebs or *.00x) is used to submit the final bid.

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

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

(5) The department will address equipment and process failures, if the bidder can demonstrate that those failures were beyond their control.

(6) Contractors are responsible for checking on the issuance of addenda and for obtaining the addenda. Notice of issuance of addenda is posted on the department's web site at http://www.dot.wisconsin.gov/business/engrserv/bid-letting-information.htm or by calling the department at (608) 266-1631. Addenda can ONLY be obtained from the departments web site listed above or by picking up the addenda at the Bureau of Highway Construction, Room 601, 4802 Sheboygan Avenue, Madison, WI, during regular business hours.

B Submitting Electronic Bids

B.1 On the Internet

(1) Do the following before submitting the bid:

1. Have a properly executed annual bid bond on file with the department.
2. Have a digital ID on file with and enabled by Info Tech Inc. Using this digital ID will constitute the bidder's signature for proper execution of the bidding proposal.

(2) In lieu of preparing, delivering, and submitting the proposal as specified in 102.6 and 102.9 of the standard specifications, submit the proposal on the internet as follows:

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

(3) The department will not consider the bid accepted until the hour and date the Notice to Contractors designates.

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

(1) Download the latest schedule of items from the Wisconsin pages of the Bid Express™ web site reflecting the latest addenda posted on the department's web site at **http://www.dot.wisconsin.gov/business/engrserv/bid-letting-information.htm**. Use Expedite ™ software to prepare and print the schedule of items. Provide a valid amount for all price fields. Follow instructions and review the help screens provided on the Bid Express™ web site to assure that the schedule of items is prepared properly.

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

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

(3) If bidding on more than one proposal in the letting, the bidder may include all proposals for that letting on one diskette or CD ROM. Include only submitted proposals with no incomplete or other files on the diskette or CD ROM.

(4) The bidder-submitted printout of the Expedite™ generated schedule of items is the governing contract document and must conform to the requirements of section 102 of the standard specifications. If a printout needs to be altered, cross out the printed information with ink or typewriter and enter the new information and initial it in ink. If there is a discrepancy between the printout and the diskette or CD ROM, the department will analyze the bid using the printout information.

(5) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:

1. The check code printed on the bottom of the printout of the Expedite™ generated schedule of items is not the same on each page.
2. The check code printed on the printout of the Expedite™ generated schedule of items is not the same as the check code for that proposal provided on the diskette or CD ROM.

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

C Waiver of Electronic Submittal

(1) The bidder may request a waiver of the electronic submittal requirements. Submit a written request for a waiver in lieu of bids submitted on the internet or on a printout with accompanying diskette or CD ROM. Use the waiver that was included with the paper bid document sent to the bidder or type up a waiver on the bidder's letterhead. The department will waive the electronic submittal requirements for a bidding entity (individual, partnership, joint venture, corporation, or limited liability company) for up to 4 individual proposals in a calendar year. The department may allow additional waivers for equipment malfunctions.

(2) Submit a schedule of items on paper conforming to section 102 of the standard specifications. The department charges the bidder a $75 administrative fee per proposal, payable at the time and place the department designates for receiving bids, to cover the costs of data entry. The department will accept a check or money order payable to: "Wisconsin, Dept. of Transportation."

(3) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:

1. The bidder fails to provide the written request for waiver of the electronic submittal requirements.
2. The bidder fails to pay the $75 administrative fee before the time the department designates for the opening of bids unless the bidder requests on the waiver that they be billed for the $75.
3. The bidder exceeds 4 waivers of electronic submittal requirements within a calendar year.

(4) In addition to the reasons specified in section 102 of the standard specifications, the department may refuse to issue bidding proposals for future contracts to a bidding entity that owes the department administrative fees for a waiver of electronic submittal requirements.

PROPOSAL BID BOND

Wisconsin Department of Transportation

DT1303 1/2006

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

Wisconsin Department of Transportation

DT1305 8/2003

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.

Name of Subcontractor	Class of Work	Estimated Value

DECEMBER 2000

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

Instructions for Certification

1. By signing and submitting this proposal, the prospective contractor is providing the certification set out below.

2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective contractor shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective contractor to furnish a certification or an explanation shall disqualify such person from participation in this transaction.

3. The certification in this clause is a material representation of fact upon which reliance was placed when the department determined to enter into this transaction. If it is later determined that the contractor knowingly rendered an erroneous certification in addition to other remedies available to the Federal Government the department may terminate this transaction for cause or default.

4. The prospective contractor shall provide immediate written notice to the department to whom this proposal is submitted if at any time the prospective contractor learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department to which this proposal is being submitted for assistance in obtaining a copy of those regulations.

6. The prospective contractor agrees by submitting this proposal that, should this contract be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department entering into this transaction.

7. The prospective contractor further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," which is included as an addendum to PR-1273 - "Required Contract Provisions Federal Aid Construction Contracts," without

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

8. The contractor may rely upon a certification of a prospective subcontractor/materials supplier that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A contractor may decide the method and frequency by which it determines the eligibility of its principals. Each contractor may, but is not required to, check the Disapproval List (telephone # 608/266/1631).

9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

10. Except for transactions authorized under paragraph 6 of these instructions, if a contractor in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department may terminate this transaction for cause or default.

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

(1) The prospective contractor certifies to the best of its knowledge and belief, that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offense enumerated in paragraph (1)(b) of this certification; and

(d) Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(2) Where the prospective contractor is unable to certify to any of the statements in this certification, such prospective contractor shall attach an explanation to this proposal.

Special Provisions

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SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 4060-05-70, Main Street, USH 45 to STH 144, STH 28, Waukesha County, Wisconsin and Project 4060-05-71, Main Street, Village of Kewaskum, USH 45 to STH 144, STH 28, Waukesha County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2014 Edition, as published by the department, and these special provisions.

If all or a portion of the plans and special provisions are developed in the SI metric system and the schedule of prices is developed in the US standard measure system, the department will pay for the work as bid in the US standard system.
100-005 (20120615)

2. Scope of Work.

4060-05-70
The work under this contract shall consist of pavement removal, common excavation, excavation of contaminated soils, milling, base course, HMA Pavement, Structures B-66-184, R-66-31, R-66-21, concrete curb and gutter, traffic signals, storm sewer, landscaping, signing, pavement marking and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

4060-05-71
The work under this contract shall consist of Sanitary Sewer, Water Main and Lateral replacements and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.
104-005 (20090901)

3. Prosecution and Progress.

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

Provide the time frame for construction of the project within the 2014 construction season to the engineer in writing within a month after executing the contract but at least 14 calendar days before the preconstruction conference. Assure that the time frame is consistent with the contract completion time. Upon approval, the engineer will issue the notice to proceed within ten calendar days before the beginning of the approved time frame.

To revise the time frame, submit a written request to the engineer at least two weeks before the beginning of the intended time frame. 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.

Coordinate and hold prosecution and progress meetings once per week. The prime contractor's superintendent or designated representative and subcontractor's representatives for ongoing subcontract work or subcontractor work expected to begin within the next two weeks shall provide a written schedule of the next week(s)' operations. The written schedule shall include begin and end dates of specific prime and subcontractor work operations. In addition to department representatives, invite Village of Kewaskum representatives to attend the prosecution and progress meetings and any utility companies that have interests within the work zone. Agenda items at the meetings will include review of the contractor's and subcontractor's schedule and evaluation of progress and pay items. Plans, schedule, coordination with work between project ID 4060-05-70 and project ID 4060-05-71 and specifications for upcoming work will be reviewed.

Notice to Contractor – Coordination of work.
Contractor shall coordinate and stage work for this project in accordance with all details and requirements under project ID 4060-05-70 and project ID 4060-05-71 including staging, detours, traffic control, prosecution and progress and schedule of operations. Contractor is to complete all contract work on STH 28 from STA. 93+50 to STA. 100+50 prior to beginning work on bridge B-66-184 over the Milwaukee River. Coordination of this work is needed to avoid a conflict with the traffic control and bridge work as part of project ID 4060-05-70 and project ID 4060-05-71.

Migratory Birds
Swallow and other migratory birds' nests have been observed on or under the existing bridge (B-66-950). All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act.

The nesting season for swallows and other birds is usually between May 1 and August 30. Either prevent active nests from becoming established, or apply for a depredation permit from the US Fish and Wildlife Service for work that may disturb or destroy active nests. The need for a permit may be avoided by removing the existing bridge structure prior to nest occupation by birds, or clearing nests from all structures before the nests become active in early spring. As a last resort, prevent birds from nesting by installing a suitable netting device on the remaining structure prior to nesting activity. Include the cost for preventing nesting in the cost of Item 203.0700.S - Removing Old Structure Over Waterway With Debris Capture System Sta. 96+40.9.

4060-05-71: USH 45/STH 28 Intersection
Complete all contract work on Project 4060-05-71 within the limits of the USH 45 / STH 28 intersection, Station 78+35 – STA. 79+00 and reopen the intersection of USH 45 / STH 28 and STH 28 to local traffic within 7 working days of closing USH 45 / STH 28 to local traffic. The contract time for completion of this work is based on an expedited work schedule and may require extraordinary forces and equipment.

Supplement standard spec 108.11 as follows:

If the contractor fails to complete the work in the USH 45 / STH 28 intersection, Station 78+35 – STA. 79+00 and reopen the intersection of USH 45 / STH 28 and STH 28 to local traffic within 7 working days of closing USH 45 / STH 28 to local traffic, the department will assess the contractor $750 in interim liquidated damages for each working day that the roadway and intersection remains closed after 7 working 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 A.M.

4060-05-71
Interim Completion Date
Complete all underground work associated with project I.D. 4060-05-71 prior to 12:01 AM Thursday, July 3, 2014. This includes all work required the Sanitary Sewer and Water Main on Main Street (STH 28)

Supplement standard spec 108.11 as follows:

If the contractor fails to complete the underground work for I.D. 4060-05-71 prior to 12:01 AM Thursday, July 3, 2014, the department will assess the contractor $2,470.00 in interim liquidated damages for each calendar day that the roadway remains closed after 12:01 AM, Thursday, July 3, 2014. 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.

4060-05-70: B-66-184 Construction
Interim Completion Date
Complete construction of Structure B-66-184 and open it to traffic prior to 12:01 AM Friday, August 29, 2014.

Supplement standard spec 108.11 as follows:

If the contractor fails to open the structure to traffic prior to 12:01 AM Friday, August 29, 2014, the department will assess the contractor $3,210.00 in interim liquidated damages for each calendar day that the roadway remains closed after 12:01 AM, Friday, August 29, 2014. 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.

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

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

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

4. Traffic.

Perform this work in accordance to the requirements of standard spec 643, and as shown on the plans or as approved by the engineer, except as hereinafter modified.

General
Construct the project using the traffic control details shown in the plans and standard detail drawings. Contractor to submit a proposed construction staging detail for work under project 4060-05-71 to the engineer and Village of Kewaskum for their review and approval at least 5 days prior to the preconstruction conference. The construction staging detail shall include details on construction of sanitary sewer, water main, laterals, services, specific details for maintaining sewer and water service to all properties during construction and details for maintaining local and pedestrian access during construction. Preparing and submitting the construction staging

details will be considered incidental to the sanitary sewer and water main items in the contract. Any flagging operations that may be required to control traffic will be considered incidental to the sanitary sewer and water main items in the contract.

Provide 24 hours-a-day availability of equipment and forces to expeditiously restore lights, signs, or other traffic control devices that are damaged or disturbed. The cost to maintain and restore the above items shall be considered incidental to the traffic control detour bid items.

Supply the name and telephone number to the engineer and Village of Kewaskum of a local contact person for traffic control detour maintenance and repair prior to starting work.

Parkview Drive and Riverview Drive (CTH S) shall remain open to all traffic except as shown in the plans.

Conduct operations in a manner that will cause the least interference to traffic movements and adjacent business and residential accesses within the construction areas. The project area includes many commercial properties that require trucking into and out of properties on a consistent basis. Coordinate with businesses and property owners to determine daily trucking requirements, typical truck routes to and from the businesses, and other access requirements. Provide business and property owners a minimum of 48 hours' notice prior to altering the location of the access to their properties.

Local traffic shall be maintained with a minimum base aggregate dense surface. In the event that a sewer or water trench cannot be backfilled immediately behind the operation, the contractor shall furnish and install temporary trench bridging in accordance to sections 1.7.2 and 2.2.8 of the Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition including all current addendums. Costs for furnishing, installing and removing temporary trench bridging will be considered incidental to the sanitary sewer and water main items included in the contract.

Notify the Village of Kewaskum police and fire departments forty-eight hours in advance of any switch over of traffic lanes or closure of streets or intersections.

Pedestrian access to businesses and residences shall be maintained throughout the duration of the project on existing concrete sidewalks, temporary asphalt sidewalks, or new concrete sidewalks. Stage the construction by maintaining the existing concrete sidewalk in accordance to the contract. Provide, at a minimum, a pedestrian access route to each business or residence. Once any section of sidewalk has been removed for the installation of sewer or water services, install asphaltic surface temporary within 3 days of the removal. Install safety fence to separate pedestrians from the work areas.

Maintain at least one pedestrian crossing at each intersection as required by the contract. Temporary sidewalk closures are allowed in order to install sewer and water laterals to the right-of-way line or beyond if necessary. Install traffic control in accordance to the standard detail drawing "Traffic Control, Sidewalk Closure". Limit temporary sidewalk closures to one side of the road at a time. Sidewalks may only be closed in one block increments.

Obtain prior approval from the engineer for parking and storage of construction vehicles, equipment and material within the right-of-way; it will be restricted to the minimum required and the minimum time necessary at the work sites to prosecute the work. At such locations, the

material and equipment involved shall not impede local traffic access and shall not constitute a hazard to the traveling public.

Maintain access to driveways at all times except as shown on the plans. Maintain access to the driveways on either existing pavement, base aggregate dense or new pavement, except for the minimum time necessary to complete construction in the immediate vicinity of the property. Prior to residential driveway removal or closing of driveway access, give 48-hours notice to the occupant of the premises. Maintain local access to all private and commercial properties on a minimum of one 12-foot gravel lane of travel at all times within the construction limits.

Construct commercial property driveway approaches in stages or provide temporary access such that access is provided at all times for the duration of the contract, unless otherwise agreed to by the contractor, property owner and engineer.

Conduct construction operations in such a manner as to provide access to emergency vehicles at all times.

Traffic Control
No operation shall proceed until all traffic control devices for such work are in the proper location.

Drums, barricades or flexible markers shall be used to delineate local traffic and protect hazards in the work zone, such as exposed manholes or drop-offs for vehicles and pedestrians. The use of such devices shall be incidental to the operation that creates the hazard.

4060-05-70 Detour
STH 28 will be detoured and closed to through traffic for the duration of the project with the exception of STH 28 between Park View Drive and Riverview Drive which will remain open to traffic. The detour route for STH 28 will follow the plan details for project 4060-05-70, except for when the intersection of USH 45 / STH 28 is closed.

Portable changeable message signs shall be placed seven days in advance of any detours and shall be used for at least the first seven days along with the signed detour route.

The signed detour route for STH 28 eastbound during construction begins at the intersection of STH 28 and USH 45 in the Village of Kewaskum. The detour proceeds southerly on USH 45 to the intersection USH 45 and CTH H, then easterly on CTH H to the intersection of CTH H and STH 144. The detour proceeds northeasterly on STH 144 to STH 28 and STH 144 where the detour ends.

The signed detour route for STH 28 westbound during construction begins at the intersection of STH 28 and STH 144 in the Town of Farmington. The detour proceeds southeasterly on STH 144 to the intersection STH 144 and CTH H, then westerly on CTH H to the intersection of CTH H and USH 45. The detour proceeds northerly on USH 45 to STH 28 where the detour ends.

4060-05-71 Detour
Close the intersection of USH 45 / STH 28 for up to 7 working days to all traffic, and detour traffic as shown in the plans. The detour route for USH 45 will be STH 28, CTH W and CTH H. Cover existing signs and project 4060-05-70 detour signs which conflict with the proposed

detour signing for this project. Turning of traffic control detour signs when not in use will not be allowed under this contract.

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

Lane Closure (without width, height or weight restriction)	3 Business Days
Service Ramp Closures	3 Business Days
Extended Closure Hours	3 Business Days
System Ramp Closures	7 Calendar Days
Local Street Openings/Closings	7 Calendar Days
Lane Closures (With Width, Height or Weight Restriction)	14 Calendar Days
Project Start	14 Calendar Days
Full Freeway Closures	14 Calendar Days
Construction Stage Changes	14 Calendar Days
Detours	14 Calendar Days

Notify the engineer if there are any changes in the schedule, early completions, or cancellations for scheduled work.

Portable Changeable Message Signs – Message Prior Approval
After coordinating with department construction field staff, notify the Southeast Region Traffic Section three business days prior to deploying or changing a message on a PCMS to obtain approval of the proposed message. The Southeast Region Traffic Unit will review the proposed message and either approve the message or make necessary changes.

5. Holiday Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying STH 28, USH 45 and STH 144 traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday periods:

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

107-005 (20050502)

6. Utilities.

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

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

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

AT&T Wisconsin - has aerial cables that are attached to We Energies poles. AT&T's service is very limited within the project limits. They service Forest View Drive intersection and a ½ mile east of that intersection.

AT&T Franchise area starts at Station 256+50 east to Station 290+50 including facilities running north and south along Forest View Drive.

There are aerial facilities along the north right-of-way line of STH 28 from Station 258+30 running east including a aerial crossing at the intersection of Forest View Dr.

The utility pole on the southwest corner of the intersection will be relocated by We Energies, AT&T aerial cable will be relocated to the new pole in order to allow the scheduled intersection widening work identified on plan.

Relocation work will be done prior to construction.

The AT&T Wisconsin contact is Steve Ubert, phone (414) 535-7420, cell (414) 491-2852.

Charter Communications - has aerial coaxial cables that are attached to We Energies poles. Charter intends to coordinate with We Energies and relocate prior to construction.

Contact for Charter is Tom Harycki, phone (262) 306-8756 Ext. 20702, cell (920) 375-6194.

Frontier – Wisconsin has buried copper telephone and buried fiber optic lines throughout the project limits. The following modifications to their facilities will take place prior to construction.

Station 78+75 to Station 94+00
No conflicts.

Station 94+00 to Station 94+25
Frontier has a buried fiber and copper cable in duct. No conflict.

Station 94+25 to Station 135+00
No conflict.

Station 135+00 to Station 136+00
Frontier has a buried copper cable, because of an 18" cut Frontier will lower cable 12".

Station 136+00 to Station 167+00
No conflict.

Station 172+00 to Station 177+50
Frontier will place a new copper cable on the south side of highway. The cable will be placed joint with WE Energies. Design placement will be handled by WE Energies.

Station 177+50 to Station 188+00
No conflict.

Station 188+00 to Station 192+20
Frontier will place new copper cable on south side of highway. This will be joint buried with We Energies. Design placement will be handled by WE Energies.

Station 192+20 to Station 207+45
No conflict.

Station 207+45
Frontier will make a road crossing. Frontier will place a copper cable at 48" deep.

Station 49+00 to Station 50+80 (Kettle Moraine Dr)
Frontier will place a new copper cable at 48" deep. Frontier will relocate their existing hand hole to Station 50+80. Frontier will place a new fiber crossing Kettle Moraine Dr. at Station 50+75, it will be 48"deep and go directly east for 70 feet.

Station 208+50 to Station 210+50
Frontier will place a new fiber at 48" deep and 50' north of centerline.

Station 210+50 to Station 233+00
Frontier will place a new fiber at 48" deep and 28'-32' north of centerline.

Station 233+00
Frontier will place a new hand hole and pedestal. These will be placed at road right of way north of the centerline. Frontier will also make a road crossing at this location. A new copper cable will be placed 36" deep. A new pedestal will be placed at road right of way on the south side of the highway. The existing cable will be swung into the new pedestal.

Station 233+00 to Station 236+00 (South Side)
Frontier will place a new copper cable. It will be placed 30" deep and placed 3' inside the new right of way to an existing pedestal on S. Hickory Dr.

Station 233+00 to Station 236+00 (North Side)
Frontier will place a new copper cable. It will be placed 30" deep at 3' inside the new road right of way to an existing pedestal on N. Hickory Dr.

Station 233+00 to Station 235+00
Frontier will place a new buried fiber. It will be placed 3' inside the new right-of-way at 48" deep.

Station 235+00 to Station 252+00
Frontier will place a new fiber. It will be buried 48" deep at 50' north of centerline.

Station 252+00 to Station 264+50
Frontier will place a new fiber. It will be buried 48" deep at 40' north of centerline.

Station 264+50
Frontier will place a new hand hole.

Station 264+50 to Station 270+50
Frontier will place a new fiber. It will be buried 60” deep at 22’ north of centerline.

Station 270+50 to Station 300+69
Frontier will place a new fiber. It will be buried 48” deep at 30’ to 32’ north of the centerline.

Station 300+69
Frontier will make a road crossing. Frontier will place a new fiber. It will be bored at 48” deep and go directly south for 70 feet. Frontier will place a new hand hole at this location on the south side of the highway.

Station 300+69 to Station 312+50
Frontier will place new fiber and copper cables. They will be placed in the same trench. They will be 48” deep at 50’-55’ south of the centerline.

Station 312+50 to Station 315+00
Frontier will place new fiber and copper cables. They will be placed in the same trench. They will be 48” deep at 60’ south of the centerline.

Station 315+00 to Station 319+00
Frontier will place new fiber and copper cables. They will be placed in the same trench. They will be placed 48” deep at 5’ inside the new right of way to Station 28+50 on CTH HH.

Station 28+50 (CTH HH)
Frontier will place a new hand hole and pedestal on the west side of the highway. Frontier will then make a road crossing at this location. The cables will be placed 48” deep. A new pedestal will be placed at this location on the east side of the highway. The pedestals will be placed at road right of way.

Station 320+00 to Station 321+00
Frontier will place new fiber and copper cables. They will be in the same trench. They will be placed 48” deep at 5’ inside the new right of way.

Station 321+00 to Station 327+00
Frontier will place new fiber and copper cables. They will be placed in the same trench. They will be placed 48” deep at 38’-42’ south of centerline.

Station 327+00
Frontier will place a new pedestal at road right of way. Frontier will then make a road crossing with a copper cable. It will be placed 48” deep directly to the north. A new pedestal will be placed at road right of way on the north side of the highway.

Station 327+00 to Station 339+50
Frontier will place new fiber and copper cables. They will be placed in the same trench. They will be placed 48” deep at 40’ south of the centerline.

Station 339+50
Frontier will place a new pedestal. It will be placed at road right of way on the south side.

Station 339+50 to Station 344+40
Frontier will place new fiber and copper cables. They will be placed in the same trench. They will be placed 48" deep at 40' south of the centerline.

Station 344+40
Frontier will place a new pedestal. It will be placed at road right of way on the south side.

Station 344+40 to Station 346+40
Frontier will place a new fiber and copper cables. They will be placed in the same trench. They will be placed 48" deep at 40' south of the centerline.

Station 346+40
Frontier will place a new pedestal at road right of way on the south side. Frontier will also make a road crossing at this location. A copper cable will be placed 36" deep directly north to right of way. Frontier will place a new pedestal at this spot. Frontier will then place a new copper cable to Station 344+45 on the north side of the highway. The cable will be 36" deep at 30' north of the centerline. Frontier will place a new pedestal at Station 344+45 at right of way.

Station 346+40 to Station 352+00
Frontier will place a new fiber and copper cable. They will be placed in the same trench. They will be placed 48" deep at 60' south of the centerline.

Station 352+00 to Station 355+30
Frontier will place a new fiber and copper cable. They will be placed in the same trench. They will be placed 48" deep at 36'-40' south of the centerline.

Station 355+30
Frontier will place a new pedestal at right of way on the south side. Frontier will also make a road crossing at this location. Frontier will place a fiber and copper cable at 48" deep. The cables will go directly north to right of way. Frontier will place a pedestal and hand hole at this location.

Station 355+30 to Station 358+25
On the south side of the highway, Frontier will place a new copper cable. It will be placed at 30" deep 3' inside right of way to an existing pedestal located on Valley Vista Rd.

Station 355+30 to Station 372+20
On the north side of the highway, Frontier will place a new fiber and copper cable. They will be placed in the same trench. They will be placed 48" deep. They will be located 4' to the south of the existing fiber on private easement.

Station 372+20
Frontier will place a new pedestal on the north side of the highway. It will be placed 100' north of centerline of STH 28 and 45' west of centerline of Paradise Rd.

Station 377+75
Frontier will relocate pedestal 6' to the south.

Paradise Rd, 100' North of STH 28
Frontier will make a road crossing. Frontier will place a fiber and copper cable at 48" deep. The fiber will go directly east to an existing hand hole. The copper cable will go east to the hand hole and then 315' north to an existing pedestal.

Frontier will abandon in place existing fiber from Station 207+50 to Station 373+00. This fiber is located on the north side of the highway the entire way.
Frontier will abandon in place existing copper cables at Station 172+00 to Station 177+50 (south side), Station 188+00 to Station 192+20 (south side), Station 207+40, Station 233+00 to Station 236+00 (south side), Station 235+00, Station 300+69 to 369+00 (south side), Station 327+00, Station 344+40, Station 356+20.

Frontier will place approximately 17,000 ft of new fiber.
Frontier will place approximately 12,000 ft of new copper cable.
Frontier will place approximately 5 new hand holes and 15 new pedestals.
Because of the complexity and importance of the fiber Frontier is unable to do any cut and swing. The fiber must be placed where splice points are accessible.
Portions of this project will be compensable, Utility Estimate is attached.
Frontier does not claim any betterment on this project. The existing fiber is 8 fibers, it is Frontier standard for any new fiber to be a 24 fiber cable. It is also Frontier standard to replace any 6 pair copper cable with a 25 pair copper cable.

Construction contact for Frontier is Russ Ryan, (920) 583-3275 or cell (920) 737-9662.

Village of Kewaskum – is planning sewer and watermain replacement work that will be completed by the DOT highway contractor under I.D. 4060-05-71.

The Village plans to replace the existing watermain, hydrants, services, sanitary sewer and laterals on STH 28 starting at approximate Station 78+40 to approximately Station 111+10. This work will also include sanitary sewer and water main tie-ins on sideroads.

The Village plans to remove the existing lift station at Station 96+25 RT, install a forcemain and a new lift station near Station 96+00 LT.

East of Station 96+00 watermain will be bored under the Milwaukee River north of proposed structure B-66-184.

Some sections of the existing sanitary sewer and watermain that will not be removed as part of the installation process of the new facilities will remain in place from Station 78+40 to Station 111+10. Existing sanitary manholes no longer needed will be removed. Existing water valves no longer in use will be abandoned. Existing hydrants not in use will be removed.

The Village desires that all sewer and watermain replacement work be part of the WisDOT let highway construction project.

It is anticipated that some of the existing facilities that are no longer in service may be in conflict with proposed storm sewer and inlet leads. It may be necessary for the highway contractor to remove portions of the old facilities that conflict with the proposed work.

Village of Kewaskum contacts: Mick Magalski, phone (920) 751-4200 or Jerry Gilles, Director of Public Works, phone (262) 626-4310.

We Energies Electric – Operations - plans to relocate its facilities prior to the start of road construction.

Station 78+00 – Station 113+00 - We Energies is currently working with the Village of Kewaskum to determine proposed street lighting along the Main Street corridor.

Village of Kewaskum has asked for some existing lighting to remain in service throughout the duration of the project. We Energies will work to accommodate this request. This will require coordination with the highway contractor that will be providing road/sewer/water work within the village limits.

Due to the lack of grass terrace along the majority of this area, and being mostly concrete walk, We energies will require coordination with contractor to remove existing street lights, the placement of the proposed street lights and electric distribution facilities. They will need time to place new facilities, after new curbs are in place, and prior to placing new concrete in the area behind the curbs. Timeframe of their work will be determined later, when the street light plan is determined and engineering complete.

Additional details regarding the proposed street lighting removals and installs, as well as the underground feeds for the lighting, are addressed in We Energies own lighting being let under WisDOT Project 4060-05-90. That will be a non-Trans 220 project.

WisDOT and/or local municipalities are responsible for any new requests for service (recommended 30 days prior to let date) and the owner of record is required to request any disconnections of existing services through the We Energies Contact Center at (800) 242-9137.

We Energies Electric has the following proposed work:

WR # 3333212 Overhead Poles and Anchors REMOVAL

Station No.		**Pole No.**	**Work Proposed**
93+70@38'Rt		41-4440	Remove pole
106+78@31'Rt		67-22859	Remove pole
153+48@31'Lt		75-8113	Remove pole
235+48@28'Lt		87-04834	Remove pole
236+23@138'Rt		75-5461	Remove pole
258+72@32'Lt		87-04051	Remove pole and anchor guy
258+75@19'Rt		85-02826	Remove pole and anchor guy
260+85@31'Lt		87-04052	Remove pole
263+16@32'Lt		87-04053	Remove pole
264+48@32'Lt		87-04054	Remove pole and anchor guy
265+75@43'Lt		87-04055	Remove pole
265+75@31'Rt		87-04056	Remove pole and anchor guy
275+00@32'Rt		87-04061	Remove pole
277+65@32'Rt		87-04062	Remove pole
279+59@32'Rt		87-04063	Remove pole and anchor guy
281+70@32'Rt		81-04051	Remove pole
283+83@32'Rt		78-7357	Remove pole
286+24@32'Rt		77-00186	Remove pole

Station No.		Pole No.	Work Proposed
286+24@39'Lt		86-08976	Remove pole and Anchor Guy
288+68@32'Rt		76-12683	Remove pole
291+09@32'Rt		64-16598	Remove pole
298+15@29'Lt		87-04075	Remove Pole and Anchor Guy
303+02@29'Lt		87-04075	Remove pole and anchor guy
319+91@78'Rt		78-14523	Remove pole and anchor guy

WR # 3333212 Overhead Poles and Anchors INSTALL and REMAINING

Station No.			Work Proposed
93+70@53'Rt			Install new pole
106+78@44'Rt			Install new pole
114+25 to 151+05 Lt and Rt			Poles and Anchor Guys to Remain
153+56@31'Lt			Install new pole
155+80@31'Lt			Pole to Remain
235+41@45'Lt			Install new pole
HCKRY11+88@31'Lt			Install new pole and Anchor Guy
HCKRY08+57@23'Lt			Install new pole and Anchor Guy
236+69@91'Lt			Install new pole and Anchor Guy
258+12@38'Rt			Install new Anchor guy
258+50@38'Rt			Install new Pole and Anchor Guy
260+77@60'Lt			Install New Pole and Anchor Guy
260+77@38'Rt			Install New Pole
262+88@38'Rt			Install new Anchor Guy
263+04@38'Rt			Install new Pole
264+78@38'Lt			Install new Pole and Anchor Guy
FV22+29@31'Lt			Install New Pole
FV20+83@31'Lt			Install New Pole and Anchor Guys
265+67@87'Rt			Install New Pole
265+63@91'Rt			Install New Anchor Guy
266+96@32'Rt			Pole to Remain
269+19@32'Rt			Pole to Remain
270+81@32'Rt			Pole to Remain
272+37@32Rt			Pole and Anchor Guy to Remain
274+95@38'Rt			Install new pole
277+65@38'Rt			Install new pole
279+59@38'Rt			Install new pole
279+75@38'Rt			Install new anchor guy
281+67@38'Rt			Install new pole
283+80@38'Rt			Install new pole
286+32@38'Rt			Install new pole
288+68@38'Rt			Install new pole
291+09@38'Rt			Install new pole
293+59@33'Rt			Pole to Remain
295+65@31'Rt			Install new pole
296+60@31'Lt			Install new pole
298+14@31'Lt			Install new pole
298+15@32'Rt			Pole to Remain
300+69@30'Lt			Pole to Remain
303+42@43.1'Lt			Install new pole

Station No.			Work Proposed
306+18@45.6Lt			Install new pole
308+94@48’LT			Install new pole
308+94@42’Lt			Install new anchor guy
311+69@66’Lt			Install new pole
314+45@74’Lt			Install new pole
317+00@48’Lt			Install new pole
317+00@40’Lt			Install new anchor guy
318+40@44’Lt			Install new pole
CTH HH 28+45@21’Rt			Install new anchor guy
320+01@144’Rt			Install new pole
321+15@31’Rt			Install new pole
321+20@27’Rt			Install new anchor guy
324+11@31’Rt			Install new pole
327+06@31’Rt			Install new pole
327+06@43’Lt			Install new pole
330+01@31’Rt			Install new pole
332+96@31’Rt			Install new pole
335+91@31’Rt			Install new pole
338+86@38’Rt			Install new pole
340+68@38’Rt			Install new pole
342+78@38’Rt			Install new pole
343+40@38’Lt			Install new pole
344+88@34’Rt			Install new pole
346+04@34’Rt			Install new pole
346+33@39’Lt			Install new pole and Anchor Guy
347+40@72’Rt			Install new pole and Anchor Guy
349+69@72’Rt			Install new pole
351+89@72’Rt			Install new pole and Anchor Guy
352+62@61’Rt			Install new pole and Anchor Guy
353+77@33’Lt			Pole to Remain
353+02@38’Rt			Install new pole
354+88@38’Rt			Install new pole
356+39@38’Rt			Install new pole
356+39@38’Lt			Install new pole
357+57@38’Rt			Install new pole
358+90@38’Rt			Install new pole and Anchor Guy
360+80@31’Lt			Install new pole and Anchor Guy
363+76@24’Lt			Install new pole
366+71@24’Lt			Install new pole
366+71@31’Rt			Install new pole
368+51@24’Lt			Install new pole
370+31@32’Rt			Install new pole and Anchor Guy
370+91@24’Lt			Install new pole and Anchor Guy
PRDS71+00@46’Lt			Pole and Anchor Guy to Remain
373+30@31’Lt			Install new pole and Anchor Guy
375+50@35’Rt			Install new pole and Anchor Guy
375+90@31’Lt			Install new pole and Anchor Guy
378+47@31’Lt			Install new pole
381+02@30’Rt			Install new pole
381+07@31’Lt			Install new pole
383+88@31’Lt			Pole and Anchor Guy to Remain

WR # 3333212 Underground Cable ABANDON IN-PLACE

Station No.		**Work Proposed**
172+00@32'Rt to 175+80@33'Rt		Abandon ug cable
188+56@26'Rt to 194+45@30'Rt		Abandon ug cable
205+23@30'Rt to 207+76@32'Rt		Abandon ug cable
207+76@32'Rt to 207+70@86'Rt		Abandon ug cable
207+76@32'Rt to 207+86@87'Rt		Abandon ug cable
207+76@32'Rt to 213+65@33'Rt		Abandon ug cable
234+80@37'Rt to 235+63@46'Rt		Abandon ug cable
235+37@23'Lt to 235+48@28'Lt		Abandon ug cable
235+63@46'Rt to 235+37@23'Lt		Abandon ug cable
263+16@32'Lt to 263+07@40'Rt		Abandon ug cable
295+65@33'Rt to 296+46@29'Rt		Abandon ug cable
296+46@29'Rt to 296+46@38'Lt		Abandon ug cable
303+01@28'Lt to 319+38@83'Lt		Abandon ug cable
319+54@72'Lt to 319+92@76'Rt		Abandon ug cable
319+54@72'Lt to 327+11@88'Lt		Abandon ug cable
327+16@37'Lt to 350+16@35'Lt		Abandon ug cable
350+16@35'Lt to 350+85@128'Lt		Abandon ug cable
350+85@128'Lt to 356+36@42'Lt		Abandon ug cable
356+36@42'Lt to 357+29@31'Lt		Abandon ug cable
357+29@31'Lt to 359+02@34'Lt		Abandon ug cable
359+02@34'Lt to 358+89@15'Lt		Abandon ug cable
358+89@15'Lt to 358+88@36'Rt		Abandon ug cable
359+02@34'Lt to 362+02@23'Lt		Abandon 2-ug cables
362+02@23'Lt to 367+36@23'Lt		Abandon 2-ug cables
367+36@23'Lt to 367+36@19'Rt		Abandon ug cable
367+36@19'Rt to 367+04@33'Rt		Abandon ug cable
367+36@23'Lt to 370+34@23'Lt		Abandon ug cable
370+34@23'Lt to 370+34@32'Rt		Abandon 2-ug cables
370+34@23'Lt to 371+70@23'Lt		Abandon ug cable
371+70@23'Lt to 372+50@47'Lt		Abandon ug cable
372+50@47'Lt to 372+97@49'Lt		Abandon ug cable
372+97@49'Lt to 373+15@32'Lt		Abandon ug cable
373+15@32'Lt to 376+26@23'Lt		Abandon ug cable
376+26@23'Lt to 377+37@16'Lt		Abandon ug cable
377+37@16'Lt to 378+50@20'Lt		Abandon ug cable
375+50@24'Rt to 378+50@16'Rt		Abandon ug cable
378+50@16'Rt to 378+50@20'Lt		Abandon ug cable
378+50@27'Lt to 383+89@31'Lt		Abandon ug cable
381+02@17'Lt to 380+97@26'Lt		Abandon ug cable

WR # 3333212 Underground Cable INSTALL

Station No.			Work Proposed
172+00@32'Rt to 175+80@33'Rt			Install new ug cable
188+56@26'Rt to 194+45@30'Rt			Install new ug cable
205+23@30'Rt to 207+70@86'Rt			Install new ug cable
207+70@86'Rt to 207+86@87'Rt			Install new ug cable
207+70@86'Rt to 207+78@136'Rt			Install new ug cable
207+78@136'Rt to 213+65@33'Rt			Install new ug cable
234+80@37'Rt to 236+21@143'Rt			Install new ug cable
318+38@48'Lt to 319+37@148'Lt			Install new ug cable

WR # 3333212 Underground Ground Mounted Equipment REMOVAL

Station No.		Equip. No.	Work Proposed
207+76@32'Rt		04u1024	Remove junction box
295+65@36'Rt		97u2953	Remove padmnt transformer
319+40@87'Lt		93u11521	Remove junction box
341+44@37'Rt		94u9410	Remove padmnt transformer
344+37@34'Lt		87u3818	Remove padmnt transformer
353+58@26'Lt		07u8304	Remove Pedestal
353+66@32'Lt		87u3819	Remove padmnt transformer
356+36@44'Lt		87u3820	Remove padmnt transformer
359+03@34'Lt		96u7258	Remove junction box
378+50@20'Lt		87u3814	Remove junction box
380+97@26'Lt		87u3822	Remove padmnt transformer

It is imperative that the highway contractor contact We Energies before removing any gas facilities or electrical underground cables, to verify that they have been abandoned and carry no natural gas or electrical current. The contractor must not assume that unmarked facilities have been abandoned. At no time is it acceptable to push, pull, cut or drill an unmarked facility without explicit consent from We Energies. Contractor must call the We Energies 24 hour Dispatch lines to arrange for this verification.

We Energies Electric Dispatch, (800) 662-4797
We Energies Gas Dispatch, (800) 261-5325

Once abandoned lines have been verified by We Energies to be dead per the above paragraph, it will be the responsibility of the road contractor to remove and dispose of all sections of the abandoned facility necessary for them to continue with the project.

Electric field representative is Greg Boerner, phone (262) 268-3654 or cell (414) 940-8438.

We Energies Gas - Proposed relocation and adjustments of We Energies Gas facilities will take place prior to construction as follows:

We Energies Gas plans to replace gas mains within the project limits of STH 28 prior to construction. In addition to replacing mains, We Energies plans to replace services, abandon existing valves, mains and services. Service and meter sets and curb stops will also be replaced as part of their work. The new gas main installation will be bored and the locations of the new facilities are not shown on the plans and are not shown on the informational tables below.

STH 28
Station 79+00 to Station 93+50 - under south edge of south walk, then 22' southeast in Parkview Dr and east 11' to connection to existing 3" steel main --2" plastic.

Crossing at Station 88+26 --2" Plastic.

Station 85+00 to Station 88+26 at 1' S-NLL (south of the north lot line)--2" plastic.

Station 94+10 to Station 95+65 at 1' N-SLL--2" plastic.

In Parkview Dr--29' N-NLL of STH 28 to 70' S-SLL of Prospect St at 9' W-ELL--6" plastic.

Crossing Milwaukee river in easement-2' South of the north limit (approx. 2' S-NLL of Prospect St extended) from 9' W-ELL of Parkview Dr to a point 270' east--6" plastic.

East side of Milwaukee river in easement to a point north 416' then east 52' then 11' north at Station 98+47--6" plastic.

Station: 98+47 to Station 104+32 at 1' N-SLL then north 12' to 4" steel connection--6" plastic.

Crossing Station 100+28 from 23' N-NLL to 30' S-SLL--4" plastic
Crossing Kewaskum Street at about 38' S-C/L of STH 28.
Crossing STH 28 at Station 103+60 from 1' N-SLL to 1' S-NLL then west 15' then north 10' in Kewaskum St to connection 10' west.

Station 262+00 to Station: 267+00 at 1' north of the south right-of-way--4"plastic.
Station 272+25 to Station: 285+00 at 1' north of the south right-of-way--4"plastic.
Station 309+50 to Station: 317+00 at 1' north of the south right-of-way--4"plastic.
Station 338+00 to Station: 354+50 at 1' north of the south right-of-way--4"plastic.

Lower gas main:
Station 291+00 to Station 292+00--1'--3" plastic.
Station 295+45 to Station 300+00--1'--3" plastic.
Station 303+00 to Station 304+00--1'--3" plastic.
Station 322+00--1-1/2'--3" plastic.
Station 333+00--2'--3" plastic.
Station 360+50 to Station 361+00--2'--3" plastic.

Gas service lateral replacements:
#104, #204, #336, #364, #1916, #2050, #2280, #2478, #2518--STH 28

Storm sewer conflicts with gas main and/or service laterals that will be evaluated and altered if necessary at time of construction:

12" Storm Catch Basin
Station 382+00-28'RT-3" Plastic.
18" Storm
Station 107+15 -18'RT to Station 107+23-18'RT-4" Steel Main.
Station 319+28-28'RT--3" Plastic Main.

24"Storm
Station 105+34-5/8" Plastic Service Crossing.
Station 106+50-2" Steel Main Crossing.

Gas Main to be abandoned:
Station 79+00 to Station 104+32 at 19', 11' (Bridge Pipe), 13', 18', S-C/L 2" Steel- (refer to non –participating utility item for the removal and disposal of the gas main hanging on the existing bridge attached.) The coating on the exposed piping hanging on the bridge over the Milwaukee River does not contain any asbestos.

Station 262+00 to Station: 267+00 at 28' S-C/L 3" plastic.
Station 272+25 to Station: 285+00 at 18' S-C/L 3"plastic.
Station 309+50 to Station: 317+00 at 28' S-C/L 3"plastic.

Station 338+00 to Station: 354+50 at 30' S-C/L 3"plastic.

Coating samples will be obtained and analyzed for asbestos during gas main installation. This information will be give to WisDOT prior to construction. Any contaminated coated gas main segment that is in direct conflict with the construction operation will, with a five day prior notice, be removed and disposed of by We Energies abatement contractor as necessary.

It will be the responsibility of the contractor to remove and dispose of any abandoned gas facilities in conflict with the road project that are free of asbestos.

We Energies Gas field contact: Tom Minesal, (414) 944-5755.

Windstream NTI, Inc. has the following modifications to their facilities:

Windstream has an underground fiber optic cable along the trail crossing STH 28 from Station 83+00 to Station 83+40. The cable is approx 4' deep (subject to field verification). This fiber crossing conflicts with the storm sewer work. The cable will be adjusted (raise depth and shifted) to clear the storm sewer work.

This crossing is in iron pipe, and the road would need to be closed to move it, as the whole crossing would need to be moved at once.

Contact: Jim Kostuch, (262) 792-7938.

Sprint Communications –has a fiber optic line protected with PVC encased in concrete located at approximately Station 83+50L crossing STH 28 at area of the trail. They anticipate relocating this facility prior to construction to avoid conflict with storm sewer work.

Sprint field contact person is: Gerry Crain, cell (630) 660-9626.

ANR Pipeline – TransCanada Pipeline has three high pressured gas pipelines that crosses STH 28 between STH 323+00 and 324+00. TransCanada must relocate the above ground vents and CP stations on the north side of STH 28 from the existing right-of-way limit to the proposed right-of-way limit. The depths of the pipelines are adequate to accommodate the proposed construction.

The above ground vents and CP stations will be relocated prior to road construction.

ANR field contact: Matt Golla, phone (248) 205-7550.

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

The Village of Kewaskum personnel or its designated representatives will observe and inspect the construction of the sanitary sewer and water main under this contract. Final acceptance of the sanitary sewer and water main construction will be by Village of Kewaskum personnel.

8. Referenced Construction Specifications.

Sanitary sewer and water main bid items reference the Village of Kewaskum Specifications and Standard Specifications for Sewer and Water Construction in Wisconsin. If there is a discrepancy or conflict between the referenced specification and the standard specifications regarding contract administration, part 1 of the standard specifications governs.

9. General Sanitary Sewer and Water Main Construction.

Notice to the Contractor - Construction Permits
Construction permits will be obtained from each property owner where it becomes necessary for the contractor to perform sanitary sewer and water main work on private property.

10. Railroad Insurance and Coordination.

A Description
Comply with standard spec 107.17 for all work affecting Wisconsin Central Ltd. property and any existing tracks.

A.1 Railroad Insurance Requirements
In addition to standard spec 107.26, provide railroad protective liability insurance coverage as specified in standard spec 107.17.3. Insurance is filed in the name of Wisconsin Central Ltd. d/b/a Canadian National.

Notify evidence of the required coverage, and duration to Jackie Macewicz at 1625 Depot St., Stevens Point, WI, 54481, TELEPHONE (715) 345-2503, FAX (715) 345-2534, email Jackie.macewicz@cn.ca. Include the following information on the insurance document:

Projects 4060-05-70 and 4060-05-71
Route Name STH 28, Washington County
Eisenbahn State Trail (Rails to Trails)

Rails to Trails is an active railroad in interim trail use. Wisconsin Central Ltd. (d.b.a. Canadian National) has the operating rights to this corridor. Provide railroad protective liability insurance coverage or provide an Endorsement to the Contractor's General Liability Policy that removes the exemption for work within 50' of railroad property. Proof of Endorsement is required.

A.2 Work by Railroad
The railroad will perform the work described in this section, except for work described in other special provisions and will be accomplished without cost to the contractor. None

A.3 Names and addresses of Railroad Representatives for Consultation and Coordination
Contact Jackie Macewicz, Manager Public Works, 1625 Depot St., Stevens Point, WI, 54481; TELEPHONE (715) 345-2503; FAX (715) 345-2534; email jackie.macewicz@cn.ca for consultation on railroad requirements during construction.

A.4 Train Operation
This is a Rails to Trails corridor so there is no train traffic.

11. Erosion Control Structures.

Within seven calendar days after the commencement of work on the bridge superstructure, place all permanent erosion control devices, including riprap, erosion mat, ditch checks, seed, fertilizer, mulch, soil stabilizer, or any other item required by the contract or deemed necessary by the engineer. These devices shall be in place in the area under the bridge and on both sides of the roadway, from the waterway to a point 100-feet behind the backwall of the abutment. Within said limits, place these devices to a height equivalent to the calculated water elevation resulting from a storm that occurs on the

average of once every two years (Q2) as shown on the plan, or as directed by the engineer. Prior to initial construction operations, place turbidity barriers, silt screens, and other temporary erosion control measures as shown on the plans, and remove them after the permanent erosion control devices are in place unless directed otherwise by the engineer.

In the event that construction activity does not disturb the existing ground below the Q2 elevation, the above timing requirements for permanent erosion control shall be waived.
107-070 (20030820)

12. Dewatering.

Prepare a detailed dewatering plan as part of the Erosion Control Implementation Plan (ECIP) and provide a copy to the engineer and to the appropriate region office of WisDNR for review and approval at least 14 days prior to the preconstruction conference. The plan shall include the location of the dewatering facilities and points of discharge of the water. As part of the ECIP submittal, supply the pertinent information and calculations used to determine the best management practice for dewatering. Prior to construction, obtain approval from the engineer for the proposed method of treatment including the supporting calculations.

Work under this item shall include all work, operations, materials, equipment, permitting and incidentals required to dewater the site during construction. This provision includes the dewatering of groundwater and surface water and trench dewatering. The contractor is responsible for all work, equipment and materials required to comply with dewatering requirements.

Dewatering will be incidental to the contract. Dewatering will include all work necessary for pumping, settling, treating and discharging water; for any permit fees required; and for furnishing all labor, tools, equipment and incidentals necessary to complete work.

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

The department has obtained a U.S. Army Corps of Engineers Section 404 permit. Comply with the requirements of the permit in addition to requirements of the special provisions. A copy of the permit is available from the regional office by contacting Karla Leithoff at (262) 548-6709.
107-054 (20080901)

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

James Gondek, License Number AII-108099, inspected Structure B-66-0950 for asbestos on September 3, 2010. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: Michael Cape, (262) 548-5930.

In accordance with NR447 and DHS159, ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 4/11), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days prior to beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to Michael Cape (262-548-5930) and DOT BTS-ESS attn: Hazardous Materials Specialist PO Box 7965, Madison, WI. 53707-7965. In addition, comply with all local or municipal asbestos requirements.

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

- Site Name: Structure B-66-0950, STH 28 – Main Street over Milwaukee River
- Site Address: Section 09, Town 12N, Range 19E, Village of Kewaskum
- Ownership Information:
  WisDOT – SE Region
  141 NW Barstow St
  P.O. Box 798
  Waukesha, WI 53187-0798
- Contact: Brian Pluemer
- Phone: (262) 548-6721
- Age: 85 years old. This structure was constructed in 1928
- Area: 1,882 SF of deck

Insert the following paragraph in Section 6.g.:

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

107-125 (20120615)

15. Project Communication Enhancement Effort.

Use the Project Communication Enhancement Effort (PCEE) tools on this contract. Coordinate with the department to modify the various published tools as necessary to meet the particular project needs and determine how to implement those tools under the contract. Ensure the full participation of the contractor and its principal subcontractors throughout the term of the contract.

Forms and associated guidance are published in the PCEE Manual available at the department's Highway Construction Contract Information (HCCI) web site at:

http://roadwaystandards.dot.wi.gov/standards/admin/pcee-user-manual.doc

105-005 (20090901)

Notice to the Contractor – Possible Buried Timbers near the Eisenbahn Trail Crossing (Former Railroad Crossing) Station 82+50 – Station 84+50.
It is possible that the contractor will encounter buried railroad ties / timbers or corduroy during the installation of the sanitary sewer and water main on STH 28 near the former railroad crossing. Buried timbers were not found in the soil borings taken for the project. Excavation, handling and disposing of any buried railroad ties / timbers shall be considered incidental to the sanitary sewer and water main items in the contract.

Applicable Specifications for Sanitary Sewer and Water Main Construction.
The Village of Kewaskum has specifications detailing the materials and methods of construction. Provide all sanitary sewer and water system materials and perform all construction on sanitary sewers and water system in conformance to village specifications and in conformance with the Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition including all current addendums.

Any fittings or components used in the potable water system shall be stamped 'NL' and meet all Federal no-lead provisions. This also includes all components used to connect the new services to existing lead services that the property owner chooses not to replace.

Abandoning Existing Water Main and Services
Abandon existing water main and services as shown on the plan and as directed by the Village of Kewaskum at the time of construction. Abandon existing water main and services in accordance to the Village of Kewaskum Specifications, standard spec 204.3.3.1 and in conformance with the Standard Specifications for Sewer and Water Construction in Wisconsin. Abandoning the existing pipes shall be considered incidental to the water main items in the contract.

Removing Existing Sanitary Sewer and Water Facilities
Completely remove all existing sanitary sewer and water facilities as shown on the plan that are in conflict with the new facilities and / or are located within the trench and excavation limits of the new facilities. Perform this work in accordance to the Village of Kewaskum specifications, standard spec 204 and the Standard Specifications for Sewer and Water Construction in Wisconsin and as hereinafter provided. Removal of the existing sanitary sewer and water facilities shall be considered incidental to the sanitary sewer and water main items in the contract with the exception of the sanitary sewer and water main removal items included in the contract.

STH 28 pavement replacement section (Station 99+75 – 113+70.59)
Proposed finished surface elevations shown on the plans in the pavement replacement section are approximate only. Contractor to install facilities to match the finished pavement elevations.

Water Main
Contractor shall install the water main to a minimum depth of 6.5 feet or as shown on the plans as measured from the top of pipe to the future finished road grade or to such depth, as approved by the Village of Kewaskum, to avoid interference with the storm sewer, sanitary sewer, laterals and other underground utilities. Insulate the water main in all areas where the depth of cover from the finished surface to the top of water main pipe is less than 6-feet. Install water services to avoid interference with the storm sewer, sanitary sewer, laterals and other underground utilities. Insulate the water services in all areas where the depth of cover from the finished surface to the top of water main pipe is less than 6-feet.

Provide temporary water service if necessary to ensure that out of service time to residents and businesses is kept to an absolute minimum, in conformance with the Village of Kewaskum Specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition including all current addendums.

Coordinate and obtain approval for water service interruptions with the Village of Kewaskum. Coordinate water service interruptions with any impacted water customers a minimum of 48 hours prior to any water service interruptions.

The contractor shall be responsible for maintaining the existing water mains during construction. This includes repairing any water main breaks during construction in order to maintain service to the water customers. Maintaining water service to customers during construction shall be considered incidental to the water main items included in the contract. This includes any temporary valves or fittings that may be necessary to maintain water service.

The Village of Kewaskum has water system distribution maps available to the contractor which shows the existing mains, valves and fittings.

Sanitary Sewer
The contractor shall be responsible for maintaining existing sewer service during construction. Maintaining sewer service during construction shall be considered incidental to the sanitary sewer items included in the contract. This includes any temporary piping, connections or structures that may be necessary to maintain sewer service.

Utility CrossingsWith Proposed Sanitary Sewer and Water Main
The following tables show some of the known crossings with other utilities. There may be additional crossings with other utilities that are not included in the tables. The tables are not all inclusive and are for informational purposes only.

STATION	OFFSET	UTILITY CROSSING DESCRIPTION
78+90	7.5’ LT.	WATER MAIN CROSSING ELECTRIC
79+18	25’ LT.	WATER MAIN CROSSING ELECTRIC
79+33	7’ LT.	WATER MAIN CROSSING GAS
79+52	26’ LT.	WATER SERVICE CROSSING ELECTRIC
79+94	26’ LT.	WATER SERVICE CROSSING ELECTRIC
80+06	26’ LT.	WATER SERVICE CROSSING ELECTRIC
80+26	7’ LT.	WATER MAIN CROSSING ELECTRIC
80+37	20’ RT.	WATER SERVICE CROSSING GAS
80+80	19.5’ RT.	WATER SERVICE CROSSING GAS
81+51	19’ RT.	WATER SERVICE CROSSING GAS
81+80	19’ RT.	WATER SERVICE CROSSING GAS
82+25	18’ RT.	WATER SERVICE CROSSING GAS
83+12	19’ RT.	WATER SERVICE CROSSING GAS
83+13	8’ LT.	WATER MAIN CROSSING FIBER OPTIC
83+38	8’ LT.	WATER MAIN CROSSING TELEPHONE
84+74	18’ RT.	WATER SERVICE CROSSING GAS
84+93	8’ LT.	WATER MAIN CROSSING GAS SERVICE
85+08	8’ LT.	WATER MAIN CROSSING GAS SERVICE
85+33	8’ LT.	WATER MAIN CROSSING GAS SERVICE
85+60	18.5’ RT.	WATER SERVICE CROSSING GAS
86+19	18.5’ RT.	WATER SERVICE CROSSING GAS
86+58	8’ LT.	WATER MAIN CROSSING GAS SERVICE
86+59	18.5’ RT.	WATER SERVICE CROSSING GAS
86+80	18.5’ RT.	WATER SERVICE CROSSING GAS
87+78	8’ LT.	WATER MAIN CROSSING GAS SERVICE
89+39	18.5’ RT.	WATER SERVICE CROSSING GAS
89+40	18’ RT.	WATER SERVICE CROSSING GAS
90+58	18’ RT.	WATER SERVICE CROSSING GAS
91+27	18’ RT.	WATER SERVICE CROSSING GAS
92+21	18’ RT.	WATER SERVICE CROSSING GAS
93+03	18’ RT.	WATER SERVICE CROSSING GAS
93+66	8’ LT.	WATER MAIN CROSSING ELECTRIC
93+82	32’ LT.	WATER MAIN CROSSING ELECTRIC
94+10	14’ LT.	WATER MAIN CROSSING GAS
94+19	8’ LT.	WATER MAIN CROSSING FIBER OPTIC
95+16	17’ RT.	WATER SERVICE CROSSING GAS
95+77	18’ RT.	WATER SERVICE CROSSING GAS
98+60	16’ RT.	WATER SERVICE CROSSING GAS
99+89	27’ LT.	WATER MAIN CROSSING ELECTRIC
99+90	21’ RT.	WATER MAIN CROSSING GAS
100+35	12’ LT.	WATER MAIN CROSSING ELECTRIC
101+17	19’ RT.	WATER SERVICE CROSSING GAS
101+86	19’ RT.	WATER SERVICE CROSSING GAS
103+08	19’ RT.	WATER MAIN CROSSING GAS
103+15	21’ RT.	WATER MAIN CROSSING ELECTRIC
103+68	20’ RT.	WATER SERVICE CROSSING GAS

STATION	OFFSET	UTILITY CROSSING DESCRIPTION
104+57	20’ RT.	WATER SERVICE CROSSING GAS
105+21	20’ LT.	WATER SERVICE CROSSING GAS
105+31	20’ LT.	WATER SERVICE CROSSING GAS
105+80	22’ LT.	WATER SERVICE CROSSING GAS
106+24	20’ LT.	WATER SERVICE CROSSING GAS
106+27	22’ RT.	WATER SERVICE CROSSING GAS
106+52	13’ LT.	WATER MAIN CROSSING GAS SERVICE
106+83	27’ LT.	WATER MAIN CROSSING GAS
106+86	23’ RT.	WATER MAIN CROSSING GAS
107+56	21’ RT.	WATER SERVICE CROSSING GAS
107+85	7’ RT.	WATER MAIN CROSSING GAS SERVICE
107+91	20’ RT.	WATER SERVICE CROSSING GAS
108+62	20’ RT.	WATER SERVICE CROSSING GAS
109+33	20’ RT.	WATER SERVICE CROSSING GAS
109+89	20’ RT.	WATER SERVICE CROSSING GAS
110+40	20’ RT.	WATER SERVICE CROSSING GAS
110+90	19’ RT.	WATER SERVICE CROSSING GAS

STATION	OFFSET	UTILITY CROSSING DESCRIPTION
78+92	26’ LT.	SANITARY LATERAL CROSSING ELECTRIC
78+92	4’ LT.	SANITARY LATERAL CROSSING ELECTRIC
78+95	1’ RT.	SANITARY CROSSING ELECTRIC
79+33	1’ RT.	SANITARY SEWER CROSSING GAS SERVICE
79+67	20’ RT.	SANITARY LATERAL CROSSING GAS
80+07	26’ LT.	SANITARY LATERAL CROSSING ELECTRIC
80+27	20’ RT.	SANITARY LATERAL CROSSING GAS
80+68	19.5’ RT.	SANITARY LATERAL CROSSING GAS
81+34	19’ RT.	SANITARY LATERAL CROSSING GAS
81+66	19’ RT.	SANITARY LATERAL CROSSING GAS
81+93	19’ RT.	SANITARY LATERAL CROSSING GAS
82+32	18’ RT.	SANITARY LATERAL CROSSING GAS
82+65	18’ RT.	SANITARY LATERAL CROSSING GAS
83+17	18’ RT.	SANITARY LATERAL CROSSING GAS
83+20	AT R/L	SANITARY CROSSING FIBER OPTIC
83+43	0.5’ LT.	SANITARY LATERAL CROSSING TELEPHONE
84+26	19’ RT.	SANITARY CROSSING GAS
84+79	18’ RT.	SANITARY LATERAL CROSSING GAS
84+93	1’ RT.	SANITARY CROSSING GAS LATERAL
85+05	18’ RT.	SANITARY LATERAL CROSSING GAS
85+08	1’ RT.	SANITARY CROSSING GAS LATERAL
85+33	1’ RT.	SANITARY CROSSING GAS LATERAL
85+72	18.5’ RT.	SANITARY LATERAL CROSSING GAS
86+22	19’ RT.	SANITARY LATERAL CROSSING GAS
86+58	1’ RT.	SANITARY CROSSING GAS LATERAL
86+59	18.5’ RT.	SANITARY LATERAL CROSSING GAS
87+61	18.5’ RT.	SANITARY LATERAL CROSSING GAS

STATION	OFFSET	UTILITY CROSSING DESCRIPTION
87+78	1’ RT.	SANITARY CROSSING GAS LATERAL
89+39	19’ RT.	SANITARY LATERAL CROSSING GAS
90+04	18’ RT.	SANITARY LATERAL CROSSING GAS
90+59	18’ RT.	SANITARY LATERAL CROSSING GAS
90+66	18’ RT.	SANITARY LATERAL CROSSING GAS
91+27	18’ RT.	SANITARY LATERAL CROSSING GAS
92+19	18’ RT.	SANITARY LATERAL CROSSING GAS
93+01	18’ RT.	SANITARY LATERAL CROSSING GAS
93+67	1’ LT.	SANITARY CROSSING ELECTRIC
93+96	33’ LT.	SANITARY CROSSING ELECTRIC
93+96	17’ RT.	SANITARY CROSSING GAS
94+10	1’ LT.	SANITARY CROSSING GAS
94+19	1’ LT.	SANITARY CROSSING FIBER OPTIC
95+25	17’ RT.	SANITARY LATERAL CROSSING GAS
100+20	0.00	SANITARY LATERAL CROSSING GAS
100+34	0.00	SANITARY CROSSING ELECTRIC
100+78	19’ RT.	SANITARY LATERAL CROSSING GAS
101+15	19’ RT.	SANITARY LATERAL CROSSING GAS
101+30	19’ RT.	SANITARY LATERAL CROSSING GAS
101+93	19’ RT.	SANITARY LATERAL CROSSING GAS
102+66	19’ RT.	SANITARY LATERAL CROSSING GAS
103+39	0.00	SANITARY CROSSING GAS
103+75	19’ RT.	SANITARY LATERAL CROSSING GAS
104+71	19’ RT.	SANITARY LATERAL CROSSING GAS
105+13	23’ LT.	SANITARY LATERAL CROSSING GAS
105+26	19’ RT.	SANITARY LATERAL CROSSING GAS
105+77	23’ LT.	SANITARY LATERAL CROSSING GAS
106+20	20’ LT.	SANITARY LATERAL CROSSING GAS
106+35	22’ RT.	SANITARY LATERAL CROSSING GAS
106+50	0.00	SANITARY SEWER CROSSING GAS SERVICE
106+97	22’ RT.	SANITARY CROSSING GAS
107+57	21’ RT.	SANITARY LATERAL CROSSING GAS
107+87	21’ RT.	SANITARY LATERAL CROSSING GAS
108+67	21’ RT.	SANITARY LATERAL CROSSING GAS
109+34	21’ RT.	SANITARY LATERAL CROSSING GAS
109+85	21’ RT.	SANITARY LATERAL CROSSING GAS
110+44	21’ RT.	SANITARY LATERAL CROSSING GAS

Drainage During Construction

If it is necessary in the prosecution of the work to interrupt existing surface drainage, sewers or under drainage, provide temporary drainage until completing permanent drainage work as required by the standard specifications.

Buy America Provision and Submittals

- Proposed Products List

Within three days after the notice to proceed, submit a complete list of products proposed for use, with the name of manufacturer, trade name and model number of each product to the Village of Kewaskum. Provide documentation that products proposed for use on the project meet the requirements of "Buy America" as identified in the standard specifications.

- Manufacturer's Instructions

Submit manufacturer's printed instructions for delivery, storage, assembly, installation, start-up, adjusting and finishing for products specified for use. Identify any conflicts between manufacturer's instructions and contract documents.

Access During Construction

Maintain access for local, business and emergency traffic at all times in accordance to the contract. Maintain reasonable access to all properties during construction. When construction operations will temporarily restrict access to a property or change access to a property, coordinate with the property owner or resident at least 48 hrs prior to the work and keep access interruptions to an absolute minimum.

Backfill all trenches and excavations immediately upon completing sewer and water construction.

16. Coordination with Businesses.

The contractor shall arrange and conduct a meeting between the contractor, the department, local officials and business people to discuss the project schedule of operations including vehicular and pedestrian access during construction operations. Hold the first meeting prior to the start of work under this contract and hold two meetings per month thereafter.

108-060 (20030820)

17. Clearing and Grubbing.

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

Supplement standard spec 201.3 with the following:

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

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

Green ash *(F. pennsylvanica*) is found throughout the state, but is most common in southern Wisconsin. It may form pure stands or grow in association with black ash, red maple, swamp white oak, and elm. It grows as an associate in upland hardwood stands, but is most common in and around stream banks, floodplains, and swamps.

Black ash *(F. nigra*) is distributed over the entire state but is most frequently found in northern Wisconsin. It is most common in swamps, but is also found in other wet forest types.

Blue ash (*F. quadrangulata*) is a threatened species that is currently found only at a few sites in Waukesha county. The species is at the edge of its range in Wisconsin, but is common in states farther south. The species is not of commercial importance. Blue ash twigs are 4-sided.

White ash (*F. americana*) tends to occur primarily in upland forests, often with *Acer saccharum*

Includes all horticultural cultivars of these species.

(Note: blue ash twigs are 4-sided. All other Wisconsin ash trees have round stems.)

Mountain ash (*Sorbus Americana* and *S. decora*) is not a true ash and is not susceptible to EAB infestation.

The contractor shall be responsible for hiring a certified arborist to identify all ash trees that will be cleared and grubbed for the Project. In addition, prior to scheduled clearing and grubbing activities, the arborist shall mark all ash trees with flagging tied around the trunk perimeter (florescent lime is suggested as it isn't identified with other project activities).

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

ATCP 21.17 Emerald ash borer; import controls and quarantine.

(1) IMPORTING OR MOVING REGULATED ITEMS FROM INFESTED AREAS; PROHIBITION. Except as provided in sub. (3), no person may do any of the following:
    (a) Import a regulated item under sub. (2) into this state if that item originates from an emerald ash borer regulated area identified in 7CFR 301.53-3.
    (b) Move any regulated item under sub. (2) out of an emerald ash borer regulated area that is identified in 7CFR 301.53-3 and located in this state.

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

(2) REGULATED ITEMS. The following are regulated items for purposes of sub. (1):
- (a) the emerald ash borer, *Agrilus planipennis* Fairmaire in any living stage.
- (b) Ash trees.
- (c) Ash limbs, branches, and roots.
- (d) Ash logs, slabs or untreated lumber with bark attached.
- (e) Cut firewood of all non-coniferous species.
- (f) Ash chips and ash bark fragments (both composted and uncomposted) larger than one inch in diameter.
- (g) Any other item or substance that my be designated as a regulated item if a DATCP pest control official determines that it presents a risk of spreading emerald ash borer and notifies the person in possession of the item or substance that it is subject to the restrictions of the regulations.

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

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

Chipped ash trees
1. May be left on site if used as landscape mulch within the project limits. If used as mulch on site, chips may not be applied at a depth greater than standard mulch applications as this will impede germination of seeded areas.
2. May be buried on site within the right-of-way in accordance to Section 201.3 (14).
3. May be buried on adjacent properties to projects within the quarantined zone with prior approval of the engineer in accordance to Section 201.3 (15).
4. May be trucked to a licensed landfill within the quarantined zone with the engineer's approval in accordance to Section 201.3 (15).
5. Burning chips is optional if in compliance with Section 201.3.
6. Chips must be disposed of immediately if not used for project mulching and may not be stockpiled and left on site for potential transport by others. Chips may be stockpiled temporarily if they will be used for project mulching and are not readily accessible to the public.
7. Chipper equipment must be cleaned following post-chipping activities to ensure no spread of wood chip debris into non-quarantined counties.

Ash logs, branches, and roots
1. May be buried without chipping within the existing right-of-way or on adjacent properties in accordance to Section 201.3 (14)(15).
2. May be trucked to a licensed landfill within the quarantined zone with the engineer's approval in accordance to Section 201.3 (15).
3. Burning is optional if in compliance with Section 201.3.
4. Ash logs, branches, and roots must be disposed of immediately and may not stockpiled.

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

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

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

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

Supplement standard spec 632.2.2 with the following:

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

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

Updates for compliance
Each year, as a service, the Wisconsin department of agriculture, trade and consumer protection distributes an updated federal CFR listing to nursery license holders and other affected persons in this state. More frequent updates, if any, are available on the department's website at ***www.datcp.state.wi.us***. Subsection (1) applies to new regulated areas as those areas are identified in the CFR, regardless of whether affected persons receive update notices from the department. Persons may request update notices by calling **(608) 224−4573**, by visiting the department's website, or by writing to the following address:

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

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

18. Select Borrow.

Delete standard spec 208.2.1 (2) as follows:

Select Borrow shall conform with the Grade 2 Granular Backfill of standard spec 209.

19. Removing Old Structure Over Waterway With Debris Capture System Station 96+40.9, Item 203.0700.S.001.

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

Add the following to standard spec 203:

203.3.6 Removals Over Waterways and Wetlands

203.3.6.3 Removing Old Structure Over Waterway With Debris Capture System

(1) Remove the existing Structure B-66-950 over the West Branch Milwaukee River in large sections and conforming to the contractor's approved structure removal plan. Due to the very sensitive nature of the Milwaukee River, provide a debris capture and containment system for superstructure removal that prevents all large pieces and virtually all other debris, including fine particles and slurry, from entering the waterway or wetland.

(2) Submit a structure removal plan as part of the erosion control implementation plan required under standard spec 107.20. Do not start work under the structure removal plan without the department's written approval of the plan. Include the following information in the structure removal plan:

- Methods and schedule to remove structures.
- Methods to control potentially harmful environmental impacts.
- Methods to avoid or minimize the discharge of any pollutant to the waterway or wetland during superstructure removal.
- Details of the debris capture and containment system for superstructure removal including contingency plans to deal with potential failures.
- Methods to control dust and contain slurry.
- Methods for removing piers and abutments. If blasting in water, include restrictions that regulatory agencies and the contract require.

(3) If stockpiling spoil material, place it on an upland site an adequate distance from the waterway, wetland, or any open water created by excavation. Install silt fence between the spoil pile and the waterway, wetland, or excavation site.

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

ITEM NUMBER	DESCRIPTION	UNIT
203.0700.S.001	Removing Old Structure Over Waterway With Debris Capture System Station 96+40.9	LS

203-025 (20080902)

20. Removing Lift Station Concrete Foundation, Item 204.9105.S.100.

A Description
This special provision describes removing lift station concrete foundation located at Station 96+25 RT. in accordance to the pertinent provisions of section 107 and 204 and as hereinafter provided.

B (Vacant)
Furnish slurry backfill meeting these requirements:

Use fine aggregates and coarse aggregate size No. 1 that conform with standard spec 501 for grade A concrete. Weigh aggregates at a batch plant suitable for batching concrete masonry. Mix and deliver to the project site using a truck mixer. Add sufficient water to enable the mixture to flow readily. No cementitious materials shall be added to the slurry mix. Submit a mix design to the engineer for approval prior to incorporating the material into the work.

C Construction
Remove the existing lift station concrete masonry foundation conforming to the contractor submitted and engineer approved structure removal and clean-up plan. Submit the removal and clean-up plan as part of the erosion control implementation plan required under standard spec 107.20.

Coordinate the lift station concrete foundation removal with the removal operation for existing Structure B-66-950. The contractor shall include the removal of the lift station concrete foundation in the debris containment plan for Structure B-66-184.

Supplement standard spec 107.18 as follows:

Remove the existing concrete foundation in large pieces, minimizing the number of small pieces dropped into the river or onto the riverbank. Remove concrete, reinforcing steel and other debris that falls into the river or onto the river bank.

Coordinate the removal with the Village of Kewaskum. Provide a demolition schedule for the concrete foundation to the village a minimum of two weeks prior to beginning the work. The village will be responsible for removal of the wooden structure, electrical feed and panel, pumps and piping. The contractor shall allow the village 5 working days to complete their removals. Demolition of the existing lift station shall not begin until the contractor has completed the installation of the new lift station under this contract and the unit is fully operational and has been inspected and accepted by the village. Completely remove the masonry walls, floor and foundation and backfill in accordance to standard spec 204.3.1.2.

Exercise the utmost care not to damage the adjacent existing residence during removal operations of the existing lift station concrete masonry foundation. Do not use any equipment or devices that might damage adjacent property.

D Measurement

The department will measure Removing Lift Station Concrete Foundation as a single lump sum unit of work, acceptably completed.

E Payment

Supplement 204.5 to include the following:

ITEM NUMBER	DESCRIPTION	UNIT
204.9105.S.100	Removing Lift Station Concrete Foundation	LS

Payment for removing or abandoning miscellaneous structures is full compensation for submitting a structure removal, debris containment and clean-up plan; for minimizing debris entering the river; for breaking down, removing, closing, plugging, or sealing; for removing and disposing of all materials; for obtaining any required work permits; for hauling and disposing of materials; for furnishing slurry backfill; for restoring the roadway cross-section; for furnishing all debris removal and clean-up of the worksite.

21. Excavation, Hauling, and Disposal of Petroleum Contaminated Soil and Management of Petroleum Contaminated Groundwater, Item 205.0501.S.

A Description

A.1 General

This special provision describes excavating, loading, hauling, and disposing of petroleum contaminated soil at a DNR approved bioremediation facility. The closest DNR approved bioremediation facilities are:

Waste Management Orchard Ridge Landfill
N96 W1305 County Line Rd.
Menomonee Falls, WI 53051
(262) 253-8620

Veolia's Emerald Park Landfill
W124 S10629 124th Street
Muskego, WI 53150
(414) 529-1360

Waste Management Metro Recycling and Disposal Facility
10712 South 124th Street
Franklin, WI 53132
(414) 529-6180

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

This special provision also describes pumping and disposing of contaminated groundwater (if dewatering is necessary).

Perform this work in accordance to standard spec 205 and with pertinent parts of Chapters NR 100-299 of the Wisconsin Administrative Code, as supplemented herein. Perform all work necessary to control, handle, and dispose of groundwater and surface water, and all other water that may be encountered within contaminated areas, as required for performance of the work.

A.2 Notice to the Contractor – Contaminated Soil and Groundwater Location(s)
The department completed testing for soil and groundwater contamination for locations within this project where excavation is required. Testing indicated that petroleum-contaminated soil and/or groundwater is present at the following location(s) as shown on the plans:

Soil contamination:

Site 1 – Station 91+20 to Station 92+30, reference line to construction limits right and reference line to approx. 8-feet left, from approximately one to eight feet deep. Contaminated soil and contaminated groundwater.

Site 2 – Station 95+00 to Station 96+00, reference line to construction limits left and right, from approximately one to eight feet deep. Contaminated soil and contaminated groundwater.

Contaminated soils and/or groundwater and/or underground storage tanks (USTs) may be encountered at other locations within the construction limits. If contaminated soils and/or groundwater and/or USTs are encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer.

For further information regarding previous investigation and remediation activities at these sites contact:

Name: Ken Yass, P.E., CHMM or Tyler Stapel, E.I.T.
Address: 150 North Patrick Boulevard, Suite 180
Phone: (262) 879-1212
Fax: (262) 879-1220
E-mail: kyass@trcsolutions.com or wstapel@trcsolutions.com

A.3 Coordination
Coordinate work under this contract with the environmental consultant:

Name: Ken Yass, P.E., CHMM or Tyler Stapel, E.I.T.
Address: 150 North Patrick Boulevard, Suite 180
Phone: (262) 879-1212
Fax: (262) 879-1220
E-mail: kyass@trcsolutions.com or wstapel@trcsolutions.com

The role of the environmental consultant will be limited to:

- Determining the location and limits of contaminated soil to be excavated based on soil analytical results from previous investigations, visual observations, and field screening of soil that is excavated;
- Identifying contaminated soils to be hauled to the bioremediation facility;
- Documenting that activities associated with management of contaminated soil are in conformance with the contaminated soil management methods for this project as specified herein; and
- Obtaining the necessary approvals for disposal of contaminated soil from the bioremediation facility.
- Identifying contaminated groundwater to be pumped for treatment and disposal (if dewatering is necessary). Coordinating groundwater characterization.

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the areas of contamination to the environmental consultant. Also notify the environmental consultant at least three calendar days prior to commencement of excavation activities in each of the contaminated areas.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation activities in the contaminated areas. Perform excavation work in each of the contaminated areas on a continuous basis until excavation work is completed. Do not transport contaminated soil or pump contaminated groundwater offsite without prior approval from the environmental consultant.

Identify the DNR approved bioremediation facility that will be used for disposal of contaminated soils, and provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation activities in the contaminated areas or at the preconstruction conference, whichever comes first. The environmental consultant will be responsible for obtaining necessary approvals for disposal of contaminated soils from the bioremediation facility. Do not transport contaminated soil offsite without prior approval from the environmental consultant.

A.4 Health and Safety Requirements for Workers Remediating Contamination
Supplement standard spec 107.1 with the following:

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

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

Disposal of petroleum-contaminated soil at the bioremediation facility is subject to the facility's safety policies.

B (Vacant)

C Construction
Supplement standard spec 205.3 with the following:

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

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

Directly load and haul soils designated by the environmental consultant for offsite bioremediation to the DNR approved bioremediation facility. Verify that vehicles used to transport contaminated material are licensed for such activity in accordance to applicable state and federal regulations. Use loading and hauling practices that are appropriate to prevent any spills or releases of petroleum-contaminated soils or residues. Prior to transport, sufficiently dewater soils designated for off-site bioremediation so as not to contain free liquids.

When material is encountered outside the above-identified limits of known contamination that appears to have been impacted with petroleum or chemical products, or when other obvious potentially contaminated materials are encountered or material exhibits characteristics of industrial-type wastes, such as fly ash, foundry sand, and cinders, or when underground storage tanks are encountered, suspend excavation in that area and notify the engineer.

Groundwater may be present within the construction limits. Water generated during dewatering operations (if necessary) is expected to be permitted to discharge to the surface except in the contaminated areas.

Water generated from dewatering activities within the contaminated groundwater may exceed the surface water discharge limits for petroleum compounds specified in the DNR's "General Permit to Discharge under the Wisconsin Pollutant Discharge

Elimination System" for "Contaminated Groundwater from Remedial Action Operations" (WPDES Permit No. WI-0046566-5), Table 3.1.

Pump contaminated water that exceeds surface water discharge limits, as determined by environmental consultant, into temporary holding tanks provided by others, as necessary to complete construction. Allow contaminated water encountered, but not requiring removal as a standard course of construction, to remain in-place and do not manage in accordance to this special provision.

Employ construction methods and techniques in a manner that will minimize the need for dewatering, and if dewatering is required, minimize the volume of water generated. Take measures to limit groundwater, surface water, and precipitation from entering and exiting excavations in the areas of contamination. Such measures, which may include berming, ditching, or other means, shall be maintained until construction of utilities in the areas of contamination are complete.

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

D Measurement

The department will measure Excavation, Hauling, and Disposal of Petroleum Contaminated Soil in tons of contaminated soil accepted by the bioremediation facility as documented by weight tickets generated by the bioremediation facility. Load tickets must be delivered to the engineer within 10 business days of the date on which the soil was accepted by the bioremediation facility. The Management of Petroleum Contaminated Groundwater is considered incidental to the other items in the contract.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil and Management of Petroleum Contaminated Groundwater	Ton

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

205-003 (20080902)

22. Temporary Shoring, Item 206.6000.S.

A Description
This special provision describes designing and providing temporary shoring at locations the plans show.

B Materials
B.1 Shoring Design
Provide a shoring design for each location where the plan requires temporary shoring. Have a professional engineer, registered in the State of Wisconsin and knowledgeable of the specific site conditions and requirements verify the adequacy of the design. Submit one copy of each shoring design, signed and sealed by the same professional engineer verifying the design, to the engineer for incorporation into the permanent project record.

C Construction
Provide temporary shoring at each required location conforming to the design developed for that location.

Remove the shoring when it is no longer needed unless the engineer allows it to remain in place. Backfill the space that is excavated but not occupied by the new permanent construction conforming to standard spec 206.3.13.

D Measurement
The department will measure Temporary Shoring by the square foot, acceptably completed at locations the plans show, measured as the area of exposed face in the plane of the shoring from the ground line in front of the shoring to a maximum of one foot above the retained grade. Shoring used for staged construction in multiple configurations without removal and reinstallation will be measured once based on the configuration with the largest area of exposed face.

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

ITEM NUMBER	DESCRIPTION	UNIT
206.6000.S	Temporary Shoring	SF

Payment is full compensation for designing and providing shoring; for providing a signed and sealed copy of the design; and for backfilling and removing the shoring.

The department will not pay for temporary shoring, installed for contractor convenience that is not required in the plans.
206-005 (20110615)

23. QMP Base Aggregate.

A Description

A.1 General

(1) This special provision describes contractor quality control (QC) sampling and testing for base aggregates, documenting those test results, and documenting related production and placement process changes. This special provision also describes department quality verification (QV), independent assurance (IA), and dispute resolution.

(2) Conform to standard spec 301, standard spec 305, and standard spec 310 as modified here in this special provision. Apply this special provision to material placed under all of the Base Aggregate Dense and Base Aggregate Open Graded bid items, except do not apply this special provision to material classified as reclaimed asphaltic pavement placed under the Base Aggregate Dense bid items.

(3) Do not apply this special provision to material placed under the Aggregate Detours, Salvaged Asphaltic Pavement Base, Breaker Run, Select Crushed, Pit Run, Subbase, or Riprap bid items.

(4) Provide and maintain a quality control program, defined as all activities related to and documentation of the following:

1. Production and placement control and inspection.
2. Material sampling and testing.

(5) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes required sampling and testing procedures. The contractor may obtain the CMM from the department's web site at:

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

A.2 Contractor Testing for Small Quantities

(1) The department defines a small quantity, for each individual Base Aggregate bid item, as a plan quantity of 9000 tons or less of material as shown in the schedule of items under that bid item.

(2) The requirements under this special provision apply equally to a small quantity for an individual bid item except as follows:

1. The contractor need not submit a full quality control plan but shall provide an organizational chart to the engineer including names, telephone numbers, and current certifications of all persons involved in the quality control program for material under affected bid items.

2. Divide the aggregate into uniformly sized sublots for testing as follows:

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

[1] If using production tests for acceptance, submit test results to the engineer for review prior to incorporating the material into the work. Production test results are valid for a period of 3 years.

[2] For 3-inch material, obtain samples at load-out.

[3] If the actual quantity overruns 9000 tons, create overrun sublots to test at a rate of one additional placement test for each 3000 tons, or fraction of 3000 tons, of overrun.

3. No control charts are required. Submit aggregate load-out and placement test results to the engineer within one business day of obtaining the sample. Assure that all properties are within the limits specified for each test.
4. Department verification testing is optional for quantities of 6000 tons or less.

(3) Material represented by a sublot with any property outside the specification limits is nonconforming. The department may reject material or otherwise determine the final disposition of nonconforming material as specified in standard spec 106.5.

B Materials

B.1 Quality Control Plan

(1) Submit a comprehensive written quality control plan to the engineer at or before the pre-construction meeting. Do not place base before the engineer reviews and comments on the plan. Construct the project as that plan provides.

(2) Do not change the quality control plan without the engineer's review. Update the plan with changes as they become effective. Provide a current copy of the plan to the engineer and post in each of the contractor's laboratories as changes are adopted. Ensure that the plan provides the following elements:

1. An organizational chart with names, telephone numbers, current certifications and/or titles, and roles and responsibilities of QC personnel.
2. The process used to disseminate QC information and corrective action efforts to the appropriate persons. Include a list of recipients, the communication means that will be used, and action time frames.
3. A list of source and processing locations, section and quarter descriptions, for all aggregate materials requiring QC testing.
4. Test results for wear, sodium sulfate soundness, freeze/thaw soundness, and plasticity index of all aggregates requiring QC testing. Obtain this information from the region materials unit or from the engineer.

5. Descriptions of stockpiling and hauling methods.
6. Locations of the QC laboratory, retained sample storage, and where control charts and other documentation is posted.
7. An outline for resolving a process control problem. Include responsible personnel, required documentation, and appropriate communication steps.

B.2 Personnel

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

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

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

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

B.3 Laboratory

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

Materials Management Section
3502 Kinsman Blvd.
Madison, WI 53704
Telephone: (608) 246-5388
http://www.dot.state.wi.us/business/engrserv/lab-qualification.htm

B.4 Quality Control Documentation

B.4.1 General

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

B.4.2 Records

(1) Document all placement observations, inspection records, and control adjustments daily in a permanent field record. Also include all test results in the project records. Provide test results to the engineer within 6 hours after obtaining a sample. For 3-inch

base, extend this 6-hour limit to 24 hours. Post or distribute tabulated results using a method mutually agreeable to the engineer and contractor.

B.4.3 Control Charts

(1) Plot gradation and fracture on the appropriate control chart as soon as test results are available. Format control charts according to CMM 8.30. Include the project number on base placement control charts. Maintain separate control charts for each base aggregate size, source or classification, and type.

(2) Provide control charts to the engineer within 6 hours after obtaining a sample. For 3-inch base, extend this 6-hour limit to 24 hours. Post or distribute charts using a method mutually agreeable to the engineer and contractor. Update control charts daily to include the following:

1. Contractor individual QC tests.
2. Department QV tests.
3. Department IA tests.
4. Four-point running average of the QC tests.

(3) Except as specified under B.8.2.1 for nonconforming QV tests, include only QC tests in the running average. The contractor may plot process control or informational tests on control charts, but do not include these tests, conforming QV tests, or IA tests in the running average.

B.5 Contractor Testing

(1) Test gradation, fracture, liquid limit and plasticity index during placement for each base aggregate size, source or classification, and type.

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

(3) Split each contractor QC sample and identify it according to CMM 8.30. Retain the split for 7 calendar days in a dry, protected location. If requested for department comparison testing, deliver the split to the engineer within one business day.

(4) The engineer may require additional sampling and testing to evaluate suspect material or the technician's sampling and testing procedures.

(5) Test fracture for each gradation test until the fracture running average is above the lower warning limit. Subsequently, the contractor may reduce the frequency to one test per 10 gradation tests if the fracture running average remains above the warning limit.

(6) Test the liquid limit and plasticity index for the first gradation test. Subsequently, test the liquid limit and plasticity index a minimum of once per 10 gradation tests.

B.6 Test Methods

B.6.1 Gradation

(1) Test gradation using a washed analysis conforming to the following as modified in CMM 8.60:

Gradation..... AASHTO T 27
Material finer than the No. 200 sieve..... AASHTO T 11

(2) For 3-inch base, if 3 consecutive running average points for the percent passing the No. 200 sieve are 8.5 percent or less, the contractor may use an unwashed analysis. Wash at least one sample out of 10. If a single running average for the percent passing the No. 200 sieve exceeds 8.5 percent, resume washed analyses until 3 consecutive running average points are again 8.5 percent passing or less.

(3) Maintain a separate control chart for each sieve size specified in standard spec 305 or standard spec 310 for each base aggregate size, source or classification, and type. Set control and warning limits based on the standard specification gradation limits as follows:

1. Control limits are at the upper and lower specification limits.
2. There are no upper warning limits for sieves allowing 100 percent passing and no lower control limits for sieves allowing 0 percent passing.
3. Dense graded warning limits, except for the No. 200 sieve, are 2 percent within the upper and lower control limits. Warning limits for the No. 200 sieve are set 0.5 percent within the upper and lower control limits.
4. Open graded warning limits for the 1-inch, 3/8-inch, and No. 4 sieves are 2 percent within the upper and lower control limits. Upper warning limits for the No. 10, No. 40, and No. 200 sieves are 1 percent inside the upper control limit.

B.6.2 Fracture

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

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

B.6.3 Liquid Limit and Plasticity

(1) Test the liquid limit and plasticity according to AASHTO T 89 and T 90.

(2) Ensure the material conforms to the limits specified in standard spec table 301-2.

B.7 Corrective Action

B.7.1 General

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

B.7.2 Placement Corrective Action

(1) Do not blend additional material on the roadbed to correct gradation problems.

(2) Notify the engineer whenever the running average exceeds a warning limit. When 2 consecutive running averages exceed a warning limit, the engineer and contractor will discuss appropriate corrective action. Perform the engineer's recommended corrective action and increase the testing frequency as follows:

1. For gradation, increase the QC testing frequency to at least one randomly sampled test per 1000 tons placed.
2. For fracture, increase the QC testing frequency to at least one test per gradation test.

(3) If corrective action improves the property in question such that the running average after 4 additional tests is within the warning limits, the contractor may return to the testing frequency specified in B.5.3. If corrective action does not improve the property in question such that the running average after 4 additional individual tests is still in the warning band, repeat the steps outlined above starting with engineer notification.

(4) If the running average exceeds a control limit, material starting from the first running average exceeding the control limit and ending at the first subsequent running average inside the control limit is nonconforming and subject to pay reduction.

(5) For individual test results significantly outside the control limits, notify the engineer, stop placing base, and suspend other activities that may affect the area in question. The engineer and contractor will jointly review data, data reduction, and data analysis; evaluate sampling and testing procedures; and perform additional testing as required to determine the extent of potentially unacceptable material. The engineer may direct the contractor to remove and replace that material. Individual test results are significantly outside the control limits if meeting one or more of the following criteria:

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

B.8 Department Testing

B.8.1 General

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

B.8.2 Verification Testing

B.8.2.1 General

(1) The department will have an HTCP technician, or ACT working under a certified technician, perform QV sampling and testing. Department verification testing personnel must meet the same certification level requirements specified in B.2 for contractor testing personnel for each test result being verified. The department will notify the contractor before sampling so the contractor can observe QV sampling.

(2) The department will conduct QV tests of each base aggregate size, source or classification, and type during placement conforming to the following:

1. One non-random test on the first day of placement.
2. At least one random test per 30,000 tons, or fraction of 30,000 tons, placed.

(3) The department will sample randomly, at locations independent of the contractor's QC work, collecting one sample at each QV location. The department will collect QV samples after the material has been bladed, mixed, and shaped but before compacting; except, for 3-inch aggregates, the department will collect samples from the stockpile at load-out. The department will split each sample, test half for QV, and retain half.

(4) The department will conduct QV tests in a separate laboratory and with separate equipment from the contractor's QC tests. The department will use the same methods specified for QC testing.

(5) The department will assess QV results by comparing to the appropriate specification limits. If QV test results conform to the specification, the department will take no further action. If QV test results are nonconforming, add the QV to the QC test results as if it were an additional QC test.

B.8.3 Independent Assurance

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

1. Split sample testing.
2. Proficiency sample testing.
3. Witnessing sampling and testing.

4. Test equipment calibration checks.
5. Reviewing required worksheets and control charts.
6. Requesting that testing personnel perform additional sampling and testing.

(2) If the department identifies a deficiency, and after further investigation confirms it, correct that deficiency. If the contractor does not correct or fails to cooperate in resolving identified deficiencies, the engineer may suspend placement until action is taken. Resolve disputes as specified in B.9.

B.9 Dispute Resolution

(1) The engineer and contractor should make every effort to avoid conflict. If a dispute between some aspect of the contractor's and the engineer's testing program does occur, seek a solution mutually agreeable to the project personnel. The department and contractor may review the data, examine data reduction and analysis methods, evaluate sampling and testing procedures, and perform additional testing. Use ASTM E 178 to evaluate potential statistically outlying data.

(2) Production test results, and results from other process control testing, may be considered when resolving a dispute.

(3) If the project personnel cannot resolve a dispute, and the dispute affects payment or could result in incorporating non-conforming product, the department will use third party testing to resolve the dispute. The department's central office laboratory, or a mutually agreed on independent testing laboratory, will provide this testing. The engineer and contractor will abide by the results of the third party tests. The party in error will pay service charges incurred for testing by an independent laboratory. The department may use third party test results to evaluate the quality of questionable materials and determine the appropriate payment. The department may reject material or otherwise determine the final disposition of nonconforming material as specified in standard spec 106.5.

C (Vacant)

D (Vacant)

E Payment

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

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

Nonconforming QMP Base Aggregate Fracture Administrative items. The department will determine the quantity of nonconforming material as specified in B.7.2.

301-010 (20100709)

24. QMP Ride; Incentive IRI Ride, Item 440.4410.S.

A Description

(1) This special provision describes profiling pavements with a non-contact profiler, locating areas of localized roughness, and determining the International Roughness Index (IRI) for each wheel path segment.

(2) Profile the final riding surface of all mainline pavements**.** Include auxiliary lanes in Category I and II segments; crossroads with county, state or U.S. highway designations greater than 1500 feet in continuous length; bridges, bridge approaches; and railroad crossings. Exclude roundabouts and pavements within 150 feet of the points of curvature of roundabout intersections.

(3) The engineer may direct straightedging under standard spec 415.3.10 for pavement excluded from localized roughness under C.5.2 (1); for bridges; and for roundabouts and pavements within 150 feet of the points of curvature of roundabout intersections. Other surfaces being tested under this provision are exempt from straightedging requirements.

B (Vacant)

C Construction

C.1 Quality Control Plan

(1) Submit a written quality control plan to the engineer at or before the pre-pave meeting. 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 all quality control personnel.
2. The process by which quality control information and corrective action efforts will be disseminated to the appropriate persons. Include a list of recipients, the communication means that will be used, and action time frames.
3. The methods and timing used for monitoring and/or testing ride quality throughout the paving process. Also indicate the approximate timing of acceptance testing in relation to the paving operations.
4. The segment locations of each profile run used for acceptance testing.
5. Traffic Control Plan

C.2 Personnel

(1) Have a profiler operator, certified under the department's highway technician certification program (HTCP), operate the equipment, collect the required data, and analyze the results using the methods taught in the HTCP profiling course. Ensure that an HTCP-certified profiler operator supervises data entry into the material records system (MRS).

C.3 Equipment

(1) Furnish a profile-measuring device capable of measuring IRI from the list of department-approved devices published on the department's web site:
http://roadwaystandards.dot.wi.gov/standards/qmp/index.htm

(2) Unless the engineer and contractor mutually agree otherwise, arrange to have a calibrated profiler available when paving the final riding surface.

(3) Perform daily calibration verification of the profiler using test methods according to the manufacturer's recommendations. Notify the engineer before performing the calibration verification. If the engineer requests, arrange to have the engineer observe the calibration verification and operation. Maintain records of the calibration verification activities, and provide the records to the engineer upon request.

C.4 Testing

C.4.1 Run and Reduction Parameters

(1) Enter the equipment-specific department-approved filter settings and parameters given in the approved profilers list on the department's QMP ride web site.
http://roadwaystandards.dot.wi.gov/standards/qmp/profilers.pdf

C.4.2 Contractor Testing

(1) Operate profilers within the manufacturer's recommended speed tolerances. Perform all 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.

(2) Coordinate with the engineer to schedule profile runs for acceptance. The department may require testing to accommodate staged construction or if corrective action may be required.

(3) Measure the profiles of each standard or partial segment. Define primary segments starting at a project terminus and running contiguously along the mainline to the other project terminus. Field-locate the beginning and ending points for each profile run. When applicable, align segment limits with the sublot limits used for testing under the QMP Concrete Pavement specification. Define segments one wheel path wide and distinguished by length as follows:
1. Standard segments are 500 feet long.
2. Partial segments are less than 500 feet long.

(4) Treat partial segments as independent segments.

The department will categorize each standard or partial segment as follows:

Segments with a Posted Speed Limit of 55 MPH or Greater	
Category	**Description**
HMA I	Asphalt pavement with multiple opportunities to achieve a smooth ride. The following operations performed under this contract are considered as opportunities: a layer of HMA, a leveling or wedging layer of HMA, and diamond grinding or partial depth milling of the underlying pavement surface.
HMA II	Asphalt pavement with a single opportunity to achieve a smooth ride.
HMA III	Asphalt pavement segments containing any portion of a bridge, bridge approach, railroad crossing, or intersection. An intersection is defined as the area within the points of curvature of the intersection radii.
PCC II	Concrete pavement.
PCC III	Concrete pavement segments containing any portion of a bridge, bridge approach, railroad crossing, intersection or gap. An intersection is defined as the area within the points of curvature of the intersection radii.

Segments with Any Portion Having a Posted Speed Limit Less Than 55 MPH	
Category	**Description**
HMA IV	Asphalt pavement including intersections, bridges, approaches, and railroad crossings.
PCC IV	Concrete pavement including gaps, intersections, bridges, approaches, and railroad crossings.

C.4.3 Verification Testing

(1) The department may conduct verification testing (QV) to validate the quality of the product. A HTCP certified profiler operator will perform the QV testing. The department will provide the contractor with a listing of the names and telephone numbers of all verification personnel for the project.

(2) The department will notify the contractor before testing so the contractor can observe the QV testing. Verification testing will be performed independent of the contractor's QC work using separate equipment from the contractor's QC tests. The department will provide test results to the contractor within 1 business day after the department completes the testing.

(3) The engineer and contractor will jointly investigate any testing discrepancies. The investigation may include additional testing as well as review and observation of both the department's and contractor's testing procedures and equipment. Both parties will document all investigative work.

(4) If the contractor does not respond to an engineer request to resolve a testing discrepancy, the engineer may suspend production until action is taken. Resolve disputes as specified in C.6.

C.4.4 Documenting Profile Runs

(1) Compute the IRI for each segment and analyze areas of localized roughness using the ProVAL software. Also, the contractor shall prepare the ProVAL Ride Quality Module Reports, showing the IRI for each segment and the areas of localized roughness exceeding an IRI of 200 in/mile. Use ride quality module report as follows:

	Fixed Interval	Continuous (Localized Roughness)
Base-length	500’	25’
Threshold	140”/Mile	200”/Mile

The ProVAL software is available for download at:

http://www.roadprofile.com.

(2) As part of the profiler software outputs and ProVAL reports, document the areas of localized roughness. Field-locate the areas of localized roughness prior to the engineer’s assessment for corrective actions. Document the reasons for areas excluded and submit to the engineer.

(3) Within 5 business days after completing profiling of the pavement covered under this special provision, unless the engineer and contractor mutually agree to a different timeline, submit the electronic ProVAL project file containing the .ppf files for each profiler acceptance run data and Ride Quality Module Reports, in .pdf format using the department’s Materials Reporting System (MRS) software available on the department’s web site:

http://www.atwoodsystems.com/mrs

Notify the engineer when the Profiler Acceptance Run data and the Ride Quality Report have been submitted to the MRS system.

C.5 Corrective Actions

C.5.1 General

(1) Analyze the data from the PROVAL reports and make corrective action recommendations to the department. The department will independently assess whether a repair will help or hurt the long-term pavement performance before deciding on corrective action. Correct the ride as the engineer directs in writing.

C.5.2 Corrective Actions for Localized Roughness

(1) Apply localized roughness requirements to all pavements, including HMA III, PCC III, HMA IV, and PCC IV; except localized roughness requirements will not be applied to pavements within 25 feet of the following surfaces if they are not constructed under this contract: bridges, bridge approaches, or railroad crossings. The department may direct the contractor to make corrections to the pavement within the 25-foot exclusionary zones.

(2) The engineer will review each individual wheel track for areas of localized roughness. The engineer will assess areas of localized roughness within 5 business days of receiving notification that the reports were uploaded. The engineer will analyze the report documenting areas that exceed an IRI of 200 in/mile and do one of the following for each location:

1. Direct the contractor to correct the area to minimize the effect on the ride.
2. Leave the area of localized roughness in place with no pay reduction.
3. Except for HMA IV and PCC IV segments, assess a pay reduction as follows for each location in each wheel path:

Localized Roughness IRI (in/mile)	**Pay Reduction[1] (dollars)**
> 200	(Length in Feet) x (IRI –200)

[1] A maximum $250 pay reduction may be assessed for locations of localized roughness that are less than or equal to 25 feet long. Locations longer than 25 feet may be assessed a maximum pay reduction of $10 per foot.

(3) The engineer will not direct corrective action or assess a pay reduction for an area of localized roughness without independent identification of that area as determined by physically riding the pavement. For corrections, use only techniques the engineer approves.

(4) Re-profile corrected areas to verify that the IRI is less than 140 in/mile after correction. Submit a revised ProVAL ride quality module report to the reference documents section of the MRS for the corrected areas to validate the results.

C.5.3 Corrective Actions for Excessive IRI

(1) If an individual segment IRI exceeds 140 in/mile for HMA I, HMA II, and PCC II pavements after correction for localized roughness, the engineer may require the contractor to correct that segment. Correct the segment final surface as follows:

HMA I: Correct to an IRI of 60 in/mile using whichever of the following methods as approved by the engineer:
Mill and replace the full lane width of the riding surface excluding the paved shoulder.
Continuous diamond grinding or fine-tooth milling the full lane width, if required, of the riding surface including adjustment of the paved shoulders.

HMA II: Correct to an IRI of 85 in/mile using whichever of the following methods as approved by the engineer:
Mill and replace the full lane width of the riding surface excluding the paved shoulder.
Continuous diamond grinding or fine-tooth milling of the full lane width, if required, of the riding surface including adjustment of the paved shoulders

PCC II: Correct to an IRI of 85 in/mile using whichever of the following methods as approved by the engineer:
Continuous diamond grinding of the full lane width, if required, of the riding surface including adjustment of the paved shoulders. Conform to sections C.1 through C.4 of Concrete Pavement Continuous Diamond Grinding Special provision contained elsewhere in the contract.
Remove and replace the full lane width of the riding surface.

(2) Re-profile corrected segments to verify that the final IRI meets the above correction limits and there are no areas of localized roughness. Enter a revised ProVAL ride quality module report for the corrected areas to the reference documents section of the MRS. Segments failing these criteria after correction are subject to the engineer's right to adjust pay for non-conforming work under standard spec 105.3.

C.6 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 testing procedures, and perform additional testing.

(2) If the project personnel cannot resolve a dispute and the dispute affects payment or could result in incorporating nonconforming pavement, the department will use third party testing to resolve the dispute. The department's Quality Assurance Unit, or a mutually agreed on independent testing company, 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 tester. The

department may use third party tests to evaluate the quality of questionable pavement and determine the appropriate payment.

D Measurement

(1) The department will measure Incentive IRI Ride by the dollar, adjusted as specified in E.2.

E Payment

E.1 Payment for Profiling

(1) Costs for furnishing and operating the profiler, documenting profile results, and correcting the final pavement surface are incidental to the contract. The department will pay separately for engineer-directed corrective action performed within the 25-foot exclusionary zones under C.5.2 as extra work.

E.2 Pay Adjustment

(1) The department will pay incentive for ride under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
440.4410.S	Incentive IRI Ride	DOL

(2) Incentive payment is not limited, either up or down, to the amount the schedule of items shows.

(3) The department will administer disincentives for ride under the Disincentive IRI Ride administrative item.

(4) The department will not assess disincentive on HMA III or PCC III segments. Incentive pay for HMA III and PCC III segments will be according to the requirements for the category of the adjoining segments.

(5) The department will adjust pay for each segment based on the initial IRI for that segment. If corrective action is required, the department will base disincentives on the IRI after correction for pavement meeting the following conditions:

All Pavement:	The corrective work is performed in a contiguous, full lane width section 500 feet long, or a length as agreed with the engineer.
HMA Pavements:	The corrective work is a mill and inlay or full depth replacement and the inlay or replacement layer thickness conforms to standard spec 460.3.2.
Concrete Pavements:	The corrective work is a full depth replacement and conforms to standard spec 415.

(6) The department will adjust pay for 500-foot long standard segments nominally one wheel path wide using equation "QMP 1.04" as follows:

HMA I	
Initial IRI (inches/mile)	**Pay Adjustment[1] (dollars per standard segment)**
< 30	250
≥ 30 to <35	1750 – (50 x IRI)
≥ 35 to < 60	0
≥ 60 to < 75	1000 – (50/3 x IRI)
≥ 75	-250

HMA II and PCC II	
Initial IRI (inches/mile)	**Pay Adjustment[1] [2] (dollars per standard segment)**
< 50	250
≥ 50 to < 55	2750 – (50 x IRI)
≥ 55 to < 85	0
≥ 85 to < 100	(4250/3) – (50/3 x IRI)
≥ 100	-250

HMA IV and PCC IV	
Initial IRI (inches/mile)	**Pay Adjustment[1] [2] (dollars per standard segment)**
< 35	250
≥ 35 to < 45	1125-(25xIRI)
≥ 45	0

[1] If the engineer directs placing upper layer asphaltic mixtures between October 15 and May 1 for department convenience as specified in standard spec 450.3.2.1(5), the department will not adjust pay for ride on pavement the department orders the contractor to place when the temperature, as defined in standard spec 450.3.2.1(2), is less than 36 F.

[2] If the engineer directs placing concrete pavement for department convenience, the department will not adjust pay for ride on pavement the department orders the contractor to place when the air temperature falls below 35 F.

(7) The department will prorate the pay adjustment for partial segments based on their length.

440-010 (20130615)

25. Architectural Surface Treatment B-66-184, Item 517.1050.S.001; R-66-31, Item 517.1050.S.002.

A Description
Construct a concrete masonry architectural surface treatment on the exposed concrete surfaces of the structure, as detailed in the plans and as hereinafter provided.

B Materials
Use form liners that attach easily to the forming system, and do not compress more than ¼-inch when poured at a rate of 10 vertical feet/hour.

Use a release agent that is compatible with the form liner and coloring materials.

Wall ties shall have set "break-backs" at a minimum of ¾-inches from the finished concrete surface.

C Construction
C.1 Equipment
Equipment and tools necessary for performing all parts of the work shall be satisfactory as to design, capacity, and mechanical condition for the purposes intended. Repair, improve, replace, or supplement all equipment that is not maintained in full working order, or which is proven inadequate to obtain the results prescribed.

C.2 Form Liner Preparation
Clean the form liner prior to each pour and ensure that it is free of any build-up. Visually inspect each liner for blemishes or tears, and repair if necessary per manufacturer's recommendations.

Apply form release per manufacturer's recommendations.

C.3 Form Liner Attachment
Place adjacent liners less than ¼-inch from each other, attach liner securely to forms in accordance to the manufacturer's recommendations, and coordinate wall ties with form liner and form manufacturer, e.g., diameter, size, and frequency.

C.4 Surface Finishing
Ensure that the textured surface is free of laitance; sandblasting is not permitted.

Grind or fill pouring blemishes.

D Measurement
The department will measure Architectural Surface Treatment (Structure) in area by the square foot of architectural surface, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
517.1050.S.001	Architectural Surface Treatment B-66-184	SF
517.1050.S.002	Architectural Surface Treatment R-66-31	SF

Payment is full compensation for producing the proposed architectural surface treatment including: preparing the foundation; finishing and protecting the surface treatment; and for properly disposing of surplus material.

517-150 (20110615)

26. Wall Modular Block Gravity, Item 532.0200.S.

A Description

This special provision describes designing, furnishing materials, and erecting a permanent earth retention system in accordance to the lines, dimension, elevations and details as shown on the plans and provided in the contract. The design life of the wall and all wall components shall be 75 years.

B Materials

B.1 Proprietary Modular Block Gravity Wall Systems

The department specifies approved modular block gravity wall products on the department's approved products list.

Proprietary wall systems may be used for this work, but must conform to the requirements of this specification and be pre-approved for use by the departments' Bureau of Structures, Structures Development Section. The name of the companies supplying pre-approved material shall be furnished within 25 days after the award of contract. The department maintains a list of pre-approved systems of retaining walls. To be eligible for use on this project, a system must have been pre-approved and added to that list prior to the bid opening date.

Applications for pre-approval may be submitted at any time. Applications must be prepared in accordance to the requirements of chapter 14 of the department's Bridge manual. Information and assistance with the pre-approval process can be obtained by contacting the Structures Development Section in Room 601 of the Hill Farms State Transportation Building in Madison or by calling (608) 266-8494.

B.2 Design Requirements

It is the responsibility of the contractor to supply a design and supporting documentation as required by this special provision for review by the department to show that the proposed wall design is in compliance with the design specifications. The following shall be submitted to the engineer for review and acceptance no later than 21 days before wall construction will begin.

The design/shop plans shall be prepared on reproducible sheets 11 inch x 17 inch, including borders. Each sheet shall have a title block in the lower right corner. The title block shall include the project identification number and structure number. Design calculations and notes shall be on 8½ inch x 11 inch sheets, and shall contain the project identification number, name or designation of the wall, date of preparation, initials of designer and checker, and page number at the top of the page. All plans and calculations shall be signed, sealed, and dated by a professional engineer licensed in the State of Wisconsin. Four copies of the shop drawings and two copies of the design calculations and supporting materials shall be submitted.

The design of the Modular Block Gravity Wall shall be in conformance to the latest edition of the AASHTO Standard Specifications for Highway Bridges including interim specifications, the standard specifications, and standard engineering design procedures as determined by the department. The design must include analyses that clearly show the factors of safety for overturning, sliding, and soil bearing stress. The width of the modular block from front face to back face of the wall shall be given in the design computations and shown on the wall shop drawings.

The minimum embedment to the bottom of the modular block shall be 1 foot 6 inches, or as specified in the plan.

B.3 Wall System Components

Materials furnished under this contract shall conform to the requirements hereinafter provided.

B.3.1 Backfill

Wall Backfill, Type A, shall comply with the requirements for coarse aggregate No. 1 as given in standard spec 501.2.5.4. All backfill placed within a zone from the base of the leveling pad to the top of the final layer of wall facing units and within 1 foot behind the back face of the wall shall be Wall Backfill, Type A. This includes all material used to fill openings in the wall facing units.

A layer of Geotextile Fabric Type “DF” (Schedule B) shall be placed vertically between the retained soil and the Type A backfill. The geotextile fabric shall extend from the top of the leveling pad to 6 inches below the surface of the retained soil. The geotextile shall then wrap across the top of the Type A backfill to the back of block wall facing.

B.3.2 Wall Facing

Provide wall facing units that consist of precast modular concrete blocks. All units shall incorporate a mechanism or devices that will develop a mechanical connection between vertical block layers. Units that are cracked, chipped or have other imperfections in accordance to ASTM C1372 or excessive efflorescence shall not be used within the wall. A single block type and style shall be used throughout each wall. The color and surface texture of the block shall be as given on the plan, or chosen by the engineer.

The top course of facing units shall be a solid precast concrete unit designed to be compatible with the remainder of the wall. The finishing course shall be bonded to the underlying facing units with a durable, high strength, flexible adhesive compound compatible with the block material. A formed cast-in-place concrete cap may also be used to finish the wall. A cap of this type shall be designed to have texture, color, and an appearance that complements the remainder of the wall. The vertical dimension of the cap shall not be less than 3½ inches. Expansion joints shall be placed in the cap to correspond with each 24-inch change in vertical wall height or at a maximum spacing of 10 feet. Concrete for all cast-in-place caps shall be Grade A and shall conform to the requirements of standard spec 501.3.

Block dimensions may vary no more than ±1/8 inch from the standard values published by the manufacturer, in accordance to ASTM C1372. Blocks must have a minimum depth (front face to back face) of 8 inches. The minimum front face thickness of blocks shall be 4 inches measured perpendicular from the front face to inside voids greater than 4 square inches. Also the minimum allowed thickness of any other portion of the block is 2 inches. The front face of the blocks shall conform to plan requirements for color, texture, or patterns.

Cementitious materials and aggregates for modular blocks shall conform to the requirements of ASTM C1372 section 4.1 and 4.2. Modular blocks shall meet the following requirements:

Test	Method	Requirement
Compressive Strength (psi)	ASTM C140	5000 min.
Water Absorption (%)	ASTM C140	6 max.
Freeze-Thaw Loss (%)	ASTM	
40 cycles, 5 of 5 samples	C1262[1]	1.0 max.[2]
50 cycles, 4 of 5 samples		1.5 max.[2]

[1] Test shall be run using a 3% saline solution.

[2] Test results that meet either of the listed requirements for FreezeThaw Loss are acceptable.

All blocks shall be certified as to strength, absorption, and freeze-thaw requirements unless, due to contract changes after letting, certified blocks are not available when required. At the time of delivery of the certified blocks, furnish the engineer a certified test report from a department-approved independent testing laboratory for each lot of modular blocks. The certified test report shall clearly identify the firm conducted the sampling and testing, the type of block, the date sampled, name of the person conducting the sampling, the represented lot, the number of blocks in the lot, and the specific test results for each of the stated requirements of this specification. A lot shall not exceed 5000 blocks. The certified test results will represent all blocks within the lot. Each pallet of blocks delivered shall bear lot identification information. Block lots that do not meet the requirements of this specification or blocks without supporting certified test reports will be rejected and shall be removed from the project at the contractor's expense.

A department-approved independent testing laboratory shall control and conduct all modular block sampling and testing for certification. Prior to sampling, the manufacturer's representative shall identify all pallets of modular blocks contained in each lot. All pallets of blocks within the lot shall be numbered and marked to facilitate random sample selection. The representative of the independent testing laboratory shall identify five pallets of blocks by random numbers and shall then select one block from each of these pallets. Solid blocks used as a finishing or top course shall not be selected. The selected blocks shall remain under the control of the person who conducted the sampling until shipped or delivered to the testing laboratory. All pallets of blocks within a lot shall be strapped or wrapped to secure the contents and tagged or marked for identification. The engineer will reject any pallet of blocks delivered to the project without intact security measures. The contractor shall remove all rejected blocks from the project at no expense to the department.

The department may conduct testing of certified or non-certified modular blocks lots delivered to the project. The department will not do freeze-thaw testing on blocks less than 45 days old. If a random sample of five blocks of any lot tested by the department fails to meet any of the requirements of this specification (nonconforming), the contractor shall remove from the project site all blocks from the failed lot that have not been installed in the finished work, at no cost to the department, unless the engineer allows otherwise. Nonconforming blocks installed in the finished work will be considered approved by the department as stated in standard spec 106.5(2) and any adjustment to the contract price will not exceed the price of the blocks charged by the supplier.

B.3.3 Leveling Pad

For all walls over 5 feet tall measured from the top of the leveling pad to the top of the wall, the wall leveling pad shall consist of a poured concrete masonry pad made from Grade A concrete conforming to standard spec 501 as modified in standard spec 716. Provide QMP for class II concrete as specified in standard spec 716.. The depth of the leveling pad shall be as shown on the plans or 6-inches minimum. The leveling pad shall be as wide as the blocks plus 6-inches. Six inches of leveling pad shall extend beyond the front face of the blocks. The bottom of the blocks shall be horizontal and 100% of the block surface shall bear on the leveling pad. A concrete leveling pad shall be used for the entire length of the wall. All walls with a Structure Number assigned (such as R-XX-XXX) shall be built using the concrete leveling pad given above. The leveling pad shall step to follow the general slope of the ground line. The leveling pads steps shall keep the bottom of the wall within one block's thickness of the minimum embedment, i.e. minimum embedment plus up to the thickness of one block. Additional embedment may be detailed but will not be measured for payment.

On walls less than or equal to 5 feet in height without a wall number assigned, a compacted leveling pad made from base aggregate dense 1¼ inch as given in standard spec 305 may be used. The depth of the aggregate leveling pad shall be as shown on the plans or 12-inches minimum. The aggregate leveling pad shall be as wide as the blocks plus 12 inches with 12 inches of pad extending beyond the front face of the wall.

C Construction

C.1 General

Construct the modular block gravity wall in accordance to the manufacturer's instructions, at the locations and to the dimensions shown on the plan and as directed by the engineer. At the end of each working day, provide good temporary drainage such that the backfill shall not become contaminated with run-off soil or water if it should rain. Do not stockpile or store materials or large equipment within 10 feet of the front face of the wall.

Place materials in the areas as indicated on the plans and as detailed in this specification. Backfill lifts shall be no more than 8-inches in depth. Backfilling shall closely follow erection of each course of wall facing units.

Compact each layer of wall backfill Type A with at least three passes of lightweight manually operated compaction equipment acceptable to the engineer.

Conduct backfilling operations in such a manner as to prevent damage or misalignment of the wall facing units. At no expense to the department, correct any such damage or misalignment as directed by the engineer.

Do not operate tracked or wheeled equipment within 3 feet of the back face of the blocks. The engineer may order the removal of any large or heavy equipment that may cause damage or misalignment of the wall facing units.

After construction of the wall, restore the surrounding area located above and below all precast block retaining wall sites to its original condition and to the finished details on the plans.

C.2 Geotechnical Information

Geotechnical data to be used in the design of the wall is given on the wall plan. The allowable soil bearing capacity is given on the plan. After completion of excavation, the department's Regional Soils Engineer will inspect the site and determine if the foundation is adequate for the intended loads. Allow the region's Soils Engineer two working days to perform the inspection.

D Measurement

The department will measure Wall Modular Block Gravity in area by the square foot of face on a vertical plane between the top of the leveling pad and a line indicating the top of wall including wall cap or copings as required and shown on the plans. Unless directed by the engineer, wall area constructed above or below these limits will not be measured for payment.

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

ITEM NUMBER	DESCRIPTION	UNIT
532.0200.S	Wall Modular Block Gravity	SF

Payment is full compensation for supplying a design and shop drawings; preparing the site, including all necessary excavation and disposal of surplus materials; supplying all necessary wall components to produce a functional system including cap and copings; constructing the retaining system; providing backfill, backfilling, and compacting the backfill; and furnishing and installing geotextile fabric. Parapets, railings, and other items above the wall cap or coping will be paid for separately.

Any required topsoil, fertilizer, seeding or sodding and mulch will be paid for at the contract unit price of topsoil, fertilizer, seeding or sodding and mulch, respectively.
532-030 (20120615)

27. 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 units, acceptably completed in place.

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

ITEM NUMBER	DESCRIPTION	UNIT
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 (20030820)

28. Pipe Grates, Item 611.9800.S.

A Description
This special provision describes furnishing and installing pipe grates on the ends of pipes as shown in the plans, and as hereinafter provided.

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

Furnish pipe grates galvanized in accordance to ASTM A123.

Furnish angles and brackets galvanized in accordance to ASTM A123.

Furnish required hardware galvanized in accordance to ASTM A153.

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

D Measurement
The department will measure Pipe Grates in units of work, where one unit is one grate, 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
611.9800.S	Pipe Grates	Each

Payment is full compensation for furnishing and installing all materials; drilling and connecting grates to pipes; and for furnishing all labor, tools, equipment and incidentals necessary to complete the contract work.
(082003)

29. Fence Safety, Item 616.0700.S.

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

B Materials
Furnish notched conventional metal “T” or “U” shaped fence posts.

Furnish fence fabric meeting the following requirements.

Color:	International orange (UV stabilized)
Roll Height:	4 feet
Mesh Opening:	1 inch min to 3 inch max
Resin/Construction:	High density polyethylene mesh
Service Temperature:	-60° F to 200° (ASTM D648)
Tensile Yield:	Avg. 2000 lb per 4 ft. width (ASTM D638)
Ultimate Tensile Strength:	Avg. 3000 lb per 4 ft. width (ASTM D638)
Elongation at Break (%):	Greater than 100% (ASTM D638)
Chemical Resistance:	Inert to most chemicals and acids

C Construction
Drive posts into the ground 12 to 18 inches. Space posts at 7 feet.

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

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

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

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

ITEM NUMBER	DESCRIPTION	UNIT
616.0700.S.	Fence Safety	LF

Payment is full compensation for furnishing and installing fence and posts; maintaining the fence and posts in satisfactory condition; and for removing and disposing of fence and posts at project completion.
616-030 (20070510)

30. Mulching, Item 627.0200.

Perform this work in accordance to standard spec 627, except as hereinafter modified.

Provide state certified “weed-free” mulching material for areas requiring mulch. Provide engineer mulch certification prior to delivery to the site.

Place mulch the same day of seeding following Method C. Where required, uniformly spread mulch over the seeded zones as indicated on the plan to a loose depth of ½ to 1 inch by blowing from a machine, by hand, or as directed by the engineer.

31. General Requirements for Electrical Work.

Append standard spec 651.3.3 (3) with the following:

Request a signal inspection of the completed signal installation to the engineer at least five working days prior to the time of the requested inspection. Notify the department's Electrical Field Unit at (414) 266-1170 to coordinate the inspection. The department's Region Electrical personnel will perform the inspection.

32. Meter Breaker Pedestal Service USH 45 and STH 28, Item 656.0200.

Append standard spec 656.2.3 with the following:

The department will be responsible for the electrical service installation request for any department maintained facility. Notify the maintaining authority if the signal is not state maintained that it is their responsibility to arrange for the electrical service installation.

Electrical utility company service installation and energy cost will be billed to and paid for by the maintaining authority.

Install the cabinet base and meter breaker pedestal first, so the electrical utility company can install the service lateral. Install a 3" conduit from the point of service from the utility to the meter breaker pedestal. Finish grade the service trench, replace topsoil that is lost or contaminated with other materials, fertilize, seed, and mulch all areas that are disturbed by the electrical utility company.

Append standard spec 656.5(3) with the following:

Payment is full compensation for grading the service trench; replacing topsoil; and for fertilizing, seeding, and mulching to restore the disturbed area of the service trench.

33. Traffic Signal Face.

Append standard spec 658.3.2(3) with the following:

Connect all ungrounded conductors with wire nuts in the appropriate sections of the signal heads, when directed by WisDOT personnel. Connect the neutral conductors to the terminal strip. Be certain to twist wires prior to installing the wire nuts. All wire nuts must be installed facing up to prevent the entrance of water.

34. Temporary Traffic Signal for Bridges, Item 661.0100.

Append standard spec 661.3.3.1 with the following:

The trailer mounted traffic signals shall be capable of operating with video camera detection. All requested timing changes shall be coordinated with the department's electrical field unit, (414)266-1170.

In the event, at installation or turn on date, a noticeable obstruction is present in line with the video detection zones, advise the engineer before setting the zone.

The video detection system, as shown in the construction detail, shall be complete, in place, tested, and in full operation during each stage of construction.

Append standard spec 661.3.3.6 with the following:

Maintain all temporary vehicle detection zones as the engineer directs. The temporary vehicle detection zones shall be set at the stop bar. Check temporary vehicle detection zones every other week and at the opening of each stage of temporary traffic signal operation to ensure that they are working and are aimed properly. Periodic adjustment of the detection zones and/or moving of the temporary vehicle detection sensors may be required due to changes in traffic control, staging, or other construction operations.

Replace standard spec 661.5 with the following:

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

ITEM NUMBER	DESCRIPTION	UNIT
661.0100	Temporary Traffic Signals for Bridges	LS

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

- Furnishing and installing replacement equipment.
- The cost of delivery and pick-up of the cabinet assemblies for department testing
- Removal of service and site restoration.

Payment is full compensation for drilling holes; furnishing and installing all materials, including bricks, and coarse aggregate; for excavation, bedding, and backfilling, including any sand or other required materials; furnishing and placing topsoil, fertilizer, seed, and mulch in disturbed areas; for properly disposing of surplus materials; for making inspections; for maintaining and changing the temporary detection zones to match the traffic control, and construction staging; for relocating the temporary detection sensors due to construction activities, if required; for periodically cleaning all temporary vehicle detector equipment; for removing the temporary vehicle detector system; and for cleaning up and properly disposing of waste.

35. Anchor Assemblies Light Poles on Structures, Item 657.6005.S.

A Description

This special provision describes furnishing and installing anchor bolt assemblies for light poles as shown on the plans, and as hereinafter provided.

B Materials
Furnish anchors of the size and spacing as given on the plans, and that conform to ASTM A449 or AASHTO M314 GR 55. The upper 8 inches of the bolts, nuts, and washers shall be hot-dipped galvanized in accordance to ASTM A153, Class C. Provide enlarged threads on nuts for proper fit after galvanizing.

C Construction
Provide two nuts and two washers per anchor bolt, and install per light standard manufacturer's recommendations.

D Measurement
The department will measure Anchor Assemblies Light Poles on Structures as a unit for each individual anchor bolt assembly, 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
657.6005.S	Anchor Assemblies Light Poles on Structures	Each

Payment is full compensation for furnishing and installing the anchorages.
657-060 (20100709)

36. Seismograph, Item 999.1000.S.

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

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

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

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

D Measurement
The department will measure Seismograph as a single complete unit of work.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
999.1000.S	Seismograph	LS

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

999-005 (20030820)

37. Crack and Damage Survey, Item 999.1500.S.

A Description

This special provision describes conducting a crack and damage survey of the residences and businesses located at the following locations:

104A/104B Main Street
109 Main Street
113 Main Street
114 Main Street
115 Main Street
117 Main Street
119 Main Street
127 Main Street
129 Main Street
131 Main Street
133 Main Street
137Main Street
139 Main Street
143 Main Street
203/203A Main Street
204 Main Street
212 Main Street
217 Main Street
219 Main Street
221 Main Street
222 Main Street
224 Main Street
227 Main Street
229 Main Street
230 Main Street
232 Main Street
236 Main Street
240 Main Street
250 Main Street
Building at Station 89+00 Left
89+00Left
305 Main Street
315 Main Street
320 Main Street
331 Main Street
333 Main Street
334 Main Street
335 Main Street
336 Main Street
347 Main Street
348 Main Street
355 Main Street
357 Main Street
361 Main Street
363 Main Street
364 Main Street
401 Main Street
402 Main Street
409 Main Street
410 Main Street
411 Main Street
417 Main Street
418 Main Street
445 Main Street
451 Main Street
501 Main Street
502 Main Street
503 Main Street
509 Main Street
516 Main Street
517 Main Street
523 Main Street
602 Main Street
603 Main Street
608 Main Street
611 Main Street
612 Main Street
617 Main Street
622 Main Street
626 Main Street
627 Main Street
703 Main Street
704 Main Street
707 Main Street
715 Main Street
727 Main Street
731 Main Street
745 Main Street

B (Vacant)

C Construction

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

The photographs shall be taken by a professional photographer capable of producing sharp, grain free, high-contrast colored pictures with good shadow details. The photographs shall be 3 ½ inch by 5 inch color prints, glossy, and mounted in protective storage pages with clear slip-in pockets and clear background. Each sheet shall hold four prints. The back of each photograph shall contain the following information:

ID _____
Building Location_____
View Looking_____
Date_____
Photographer_____

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

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

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

D Measurement

The department will measure Crack and Damage Survey as a single complete unit of work.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
999.1500.S	Crack and Damage Survey	LS

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

38. Seed Bed Preparation, Item SPV.0005.001.

A Description
This special provision describes preparing the seed bed for seeding in the wet meadow seeding zones as shown on the plan and as hereinafter provided.

B (Vacant)

C Construction
Provide the engineer with 5 working days' notice prior to any discing. Mow existing vegetation to within 6 inches of the ground surface. Work the upper 6 inches of topsoil at locations specified in the plan until the size of existing vegetation, stalks, leaves and other biomass does not exceed an average of 6 inches in size, or as directed by the engineer. Disc no more than 7 days prior to the time of seeding or as directed by the engineer. If planting does not occur within 7 days following discing, repeat specified discing (at the cost of the contractor) to ensure a proper seeding surface. Once discing has been performed, prohibit driving over the disced area with equipment or vehicles prior to seeding activities.

D Measurement
The department will not measure Seed Bed Preparation. The department will use pay plan quantity according to standard spec 109.1.1.2.

E Payment
The department will pay for plan quantities according to standard spec 109.1.1.2 at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0005.001	Seed Bed Preparation	Acre

Payment is full compensation for discing the seed bed.

39. Seeding Special, Item SPV.0005.002.

A Description
This special provision describes storing, mixing, sowing and raking the seed mix provided under Seed Mix in the wet meadow seeding zones as shown on the plans or as directed by the engineer. Perform seeding in accordance to the requirements hereinafter provided.

B Materials
Utilize native seed and cover crop provided in accordance to Seed Mix, Item SPV.0085.01.

C Construction
Mix the seed at the project site according to the seeding schedules specified under the item of Seed Mix, or as directed by the engineer. Sow seed after May 1 and prior to June 15 for a spring planting; a dormant fall planting after October 15 and prior to

November 30. Do not seed in flooded areas or when conditions are otherwise unsatisfactory for seeding. Provide the engineer 5 working days' notice prior to any seeding activities.

Mix and sow seed on the same day. Sow cover crop and native seed together. Seed using Method A, standard spec 630 and the following additional techniques.

C.1 Wet Meadow Seeding Zone (0.35 acres)
Sow native seed at a rate of 12.0 pounds per acre. Sow cover crop at a rate of 20.0 pounds per acre. Mix seed with moist sand or sawdust on site prior to seeding. Provide water on site to moisten the sand or sawdust using a ratio of one part moist sand or moist sawdust to one part native seed mix by volume. After seeding, lightly rake the area to cover the seed with approximately 1/2-inch of soil.

D Measurement
The department will not measure Seeding Special. The department will use pay plan quantity according to standard spec 109.1.1.2.

E Payment
The department will pay for plan quantities according to standard spec 109.1.1.2 at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0005.002	Seeding Special	Acre

Payment is full compensation for handling, on-site storage of seed, weighing, mixing, sowing and raking of native seed and cover crop; supplying water, sand, and/or sawdust for mixing seed.

40. Slurry Backfill, Item SPV.0035.100; Slurry Backfill Trench, Item SPV.0090.113.

A Description
This special provision describes furnishing and placing slurry backfill as directed by the engineer in accordance to the pertinent requirements of standard spec 209.

Slurry Backfill item shall be limited to areas of undermined sidewalk, driveway, curb and gutter and pavement areas located east of Station 99+75 in the pavement replacement section of the project, as directed by the engineer. This item shall also be used to backfill excavations for sewer and water items removed under this contract as shown on the plans and as directed by the engineer.

Trench Slurry Backfill item shall be limited to sanitary sewer and water main trenches constructed under this contract in accordance to the pertinent trench dimension requirements.

B Materials

Use fine aggregates and coarse aggregate size No. 1 and No. 2 that conform with standard spec 501 for grade A concrete. Weigh aggregates at a batch plant suitable for batching concrete masonry. No cementitious materials shall be added to the slurry mix. The materials shall be placed in a clean concrete mixer truck and thoroughly mixed in the following quantities for each cubic yard required:

SAND 1,350 lbs.
No. 1 STONE 750 lbs.
No. 2 STONE 1,150 lbs.
WATER 25 gals (0 to -0.5 gal variance)

No additional water will be allowed. The weights shown above are damp weights. Just prior to placing the slurry backfill, the truck mixer shall be run at mixing speed for one full minute to assure an even mixture.

C Construction

C.1 Slurry Backfill

Obtain approval from the engineer for limits of the slurry backfill.

Discharge slurry from the truck in a manner to prevent segregation. Completely fill the voided area or excavation such that the undermined area is completely filled and the material has been consolidated and provides necessary support to the paved surface above. Incorporate forms or shut-off devices if necessary to contain the slurry. Twelve hours, or as directed by the engineer, shall elapse before paving of any type over the slurry backfill.

The contractor shall provide the engineer with a ticket for each load delivered to the project showing the net weights and volumes of each component in the slurry, the date and the project number.

C.2 Trench Slurry Backfill

Discharge slurry from the truck into the trench in a manner to prevent segregation. Begin filling the trench at 1-foot over the top of pipe directly on the bedding stone working from the lowest point of the trench and proceeding upstream. Discharge the slurry at a uniform rate to ensure that the trench is completely filled and that no voided areas remain. Trench slurry backfill shall also be used to fill around all sanitary manholes, water valves, hydrants and other appurtenances.

Twelve hours, or as directed by the engineer, shall elapse before paving of any type over the slurry backfill.

The contractor shall provide the engineer with a ticket for each load delivered to the project showing the net weights and volumes of each component in the slurry, the date and the project number.

D Measurement
The department will measure Slurry Backfill by the cubic yard of material, acceptably completed. Such volume will be computed from dimensions of the area to be backfilled as directed by the engineer. In irregular or inaccessible areas, the engineer may allow volume to be determined by other appropriate methods.

The department will measure Slurry Backfill Trench by the linear foot of trench containing sewer pipe, water pipe, manholes, and water main fittings and appurtenances acceptably installed under this contract.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.100	Slurry Backfill	CY
SPV.0090.113	Slurry Backfill Trench	LF

Payment is full compensation for furnishing and installing all materials.

41. Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch Modified, Item SPV.0060.001.

A Description
This special provision describes providing the Apron Endwalls for Culvert Pipe Reinforce Concrete 72-Inch Modified.

This work shall be in accordance to the pertinent provisions as hereinafter identified and modified.

B Materials
Provide reinforced concrete apron endwalls for reinforced concrete pipe culverts manufactured with reinforcement and concrete conforming to the pertinent requirements for class II, wall B, reinforced concrete pipe as specified in standard spec 522.2.2 and as the plans show.

C Construction
Construct as specified in standard spec 520.3 for pipe culverts.

Construct Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch Modified as shown in the plans to provide 3-FT wide channel flow to match the existing channel width of the stream bed.

D Measurement
The department will measure Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch Modified as each individual manhole, 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.0060.001	Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch Modified	Each

Payment is full compensation for site preparation; furnishing, placing and finishing all materials.

42. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 2R, Item SPV.0060.002; Arrows Type 2, Item SPV.0060.003; Words, "Only" Item SPV.0060.004; Stop Line 18-Inch, Item SPV.0090.003; Crosswalk 6-Inch, Item SPV.0090.004; Crosswalk 24-Inch, Item SPV.0090.005.

A Description

This special provision describes grooving the pavement surface, and furnishing and installing preformed thermoplastic pavement marking as shown on the plans, in accordance to standard spec 647, and as hereinafter provided.

B Materials

Furnish preformed thermoplastic pavement marking and sealant material, if required, from the department's approved products list.

C Construction

C.1 General

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

Plane the grooved lines in accordance to the plan details. Use grooving equipment with a free-floating, independent cutting or grinding head. Plane a minimum number of passes to create a smooth groove.

C.2 Groove Depth

Cut the groove to a depth of 120 mils ±10 mils deeper than the thermoplastic thickness, from the pavement surface or, if tined, from the high point of the tined surface. Measure depth using a straightedge placed perpendicular to the groove. The department may periodically check groove depths.

C.3 Groove Width – Linear Markings

Cut the groove 1-inch wider than the width of the thermoplastic.

C.4 Groove Position
Position the groove edge in accordance to the plan details.

C.4.1 Linear Marking
Groove at a minimum of 4-inches, but not greater than, 12-inches from both ends of the line segment. Achieve straight alignment with the grooving equipment.

C.4.2 Special Marking
Groove a box around the special marking up to 4 inches from the perimeter of the special marking.

C.5 Groove Cleaning
C.5.1 Concrete
Cooling the cutting head with water may be necessary for some applications and equipment. If cooling water is necessary, flush the groove immediately with water after cutting to remove any build-up of cement dust and water slurry. If this is not done, the slurry may harden in the groove.

If water is used in the grooving process, allow the groove to dry a minimum of 24 hours after groove cleaning, after removal of excess water, and prior to pavement marking application. Clean and dry the groove for proper application of the sealant, and placement of the pavement marking. Use a high-pressure air blower with at least 185 ft^3/min air flow and 90 psi air pressure to clean the groove; use of the air blower does not decrease the amount of time required for the groove to dry.

C.5.2 New Asphalt
Groove pavement 5 or more days after paving. Use a high-pressure air blower with at least 185 ft^3/min air flow and 90 psi air pressure to clean the groove.

C.5.3 Existing Asphalt
Check for structural integrity in supporting grooving operations. If the structural integrity of the asphalt pavement is inadequate to support grooving operations, immediately notify the engineer.

C.5.2 Asphalt
Use a high-pressure air blower with at least 185 ft^3/min air flow and 90 psi air pressure to clean the groove.

C.6 Preformed Thermoplastic Application
Preheat the surface if necessary based on manufacturer's recommendation.

Application of the preformed thermoplastic in the groove without sealant will be as follows:

- May 1 to September 30, both dates inclusive – the Southeast Region and the ozone non-attainment or maintenance Northeast Region counties of Sheboygan, Manitowoc, Kewaunee, and Door.
- June 1 to August 31 – the Southwest Region, and the Northeast, North Central, and Northwest Regions except for the ozone non-attainment or maintenance Northeast Region counties of Sheboygan, Manitowoc, Kewaunee, and Door.

Application of the preformed thermoplastic in the groove with sealant materials will be as follows:

- October 1 to April 30, both dates inclusive – the Southeast Region and the ozone non-attainment or maintenance Northeast Region counties of Sheboygan, Manitowoc, Kewaunee, and Door.
- September 1 to May 31, both dates inclusive – the Southwest Region and the Northeast, North Central, and Northwest Regions, except for the ozone non-attainment or maintenance Northeast Region counties of Sheboygan, Manitowoc, Kewaunee, and Door.

The sealant must be wet.

D Measurement

The department will measure Pavement Marking Grooved Preformed Thermoplastic (Type) by each individual unit, acceptably completed.

The department will measure Pavement Marking Grooved Preformed Thermoplastic (Type) in length by the linear foot of tape placed, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.002	Pavement Marking Grooved Preformed Thermoplastic Arrows Type 2R	Each
SPV.0060.003	Pavement Marking Grooved Preformed Thermoplastic Arrows Type 2	Each
SPV.0060.004	Pavement Marking Grooved Preformed Thermoplastic Words “Only”	Each
SPV.0090.003	Pavement Marking Grooved Preformed Thermoplastic Stop Line 18-Inch	LF
SPV.0090.004	Pavement Marking Grooved Preformed Thermoplastic Crosswalk 6-Inch	LF
SPV.0090.005	Pavement Marking Grooved Preformed Thermoplastic Crosswalk 24-Inch	LF

Payment is full compensation for cleaning and preparing the pavement surface, furnishing and installing the material; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the contract work.

43. Section Corner Monuments Special, Item SPV.0060.005.

A Description

This special provision describes the coordination with Washington County and Southeast Wisconsin Regional Planning Commission (SEWRPC) and provide a backfilled hole for placement of a section corner monument.

B Materials

Furnish base aggregate dense materials that conform to standard spec 305.

C Construction

The contractor must contact the engineer and the Washington County Surveyor - Scott Schmidt and SEWRPC at least two weeks prior to work near any public survey monument and provide a backfilled hole for placement of a section corner monument.

The primary contact should be listed as the Washington County Surveyor, Scott Schmidt and the secondary contact as SEWRPC's Donald Simon, John Washburn with the contact information below:

Washington County Engineer/Surveyor
Scott M. Schmidt, PE, RLS
Washington County Public Agency Center (PAC)
333 East Washington St, Suite 2300
P.O. Box 2003
West Bend, WI 53095-2003
Phone: (262) 335-6881
Fax: (262) 335-4171
Email: scott.schmidt@co.washington.wi.us

Contact Information:

Attn: Don Simon and John Washburn
Southeastern Wisconsin Regional Planning Commission
W239 N1812 Rockwood Drive
P.O. Box 1607
Waukesha, WI 53187-1607
Phone: (262) 547-6721
Fax: (262) 547-1103
E-mail: sewrpc@sewrpc.org

Washington County will remove the existing section corner monuments and will provide pre-cast monuments for the section corners. Washington County or its partner SEWRPC will install a pre-cast monument for the section corners. The engineer will contact Scott M. Schmidt at (262) 335-6881 one week prior to paving operations to coordinate

installation of the monuments. The contractor shall provide a 2-foot diameter by 3-foot deep hole backfilled with base aggregate dense in the location of the section corner location.

D Measurement
The department will measure Section Corner Monuments Special 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.0060.005	Section Corner Monuments Special	Each

Payment is full compensation for furnishing all excavating; for furnishing, placing and compacting backfill material; for disposing of surplus materials; for furnishing all coordination with Washington County and SEWRPC.

44. Contractor Provided High-Strength Bolt Assemblies for Monotube Arms (Type 9 Pole) Item SPV.0060.007.

A Description
This special provision describes furnishing and installing high-strength bolt assemblies for monotube mast arm to pole connection on type 9, 10, 12, and 13 signal poles as shown on the plans.

B Materials
Furnish same lot/heat high-strength bolts, hex nuts, two flat washers and also provide DTI (Direct Tension Indicator) washer of the size as given on the plans, per pole manufacturer design requirements and that conform to standard spec506.2.5. Also submit “Buy America” provision compliance material certification.

C Construction
Provide high-strength bolts, hex nuts, two flat washers and DTI washer for connection of monotube arm to pole upright flange connection plates. Install per standard spec 506.3.12. Ensure that spare bolt, nuts and washer for ready for field test requirements and stored well not exposed the environments. Lubricate the bolt/nut before test and install. Follow the bolt field tests procedures per standard spec 506.2.5.6 and standard spec 506.3.12. Complete and submit DT2113 and DT2114 forms to project manager.

D Measurement
The department will measure Contractor Provided High Strength Bolt Assemblies for Monotube Arms Type 9 Pole as each individual arm, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.007	Contractor Provided High-Strength Bolt Assemblies for Monotube Arms Type 9 Pole	Each

Payment is full compensation for furnishing, installing and field testing high-strength bolt assemblies. All contractor provided high-strength bolt assemblies required for acceptable installation, field testing, and quality verification testing are incidental to this bid item.

45. Water Valve and Box 6-Inch, Item SPV.0060.100; 10-Inch, Item SPV.0060.101; Fire Hydrant, Item SPV.0060.102; Tee 10"x 6", Item SPV.0060.103; Tee 8"x 8", Item SPV.0060.104; Tee 10"x 10", Item SPV.0060.105; Cross 10"x 6", Item SPV.0060.106; Cross 10"x 10", Item SPV.0060.107; Reducer 10"x 6", Item SPV.0060.108; Connect Water Main to Existing, Item SPV.0060.109; Bend 22.5-Degree 6", Item SPV.0060.110; Bend 45- Degree 6", Item SPV.0060.111; Bend 22.5-Degree 10", Item SPV.0060.112; Bend 45- Degree 10" Item SPV.0060.113; 1-Inch Corporation, Curb Stop and Box (Set), Item SPV.0060.114; 2-Inch Corporation, Curb Stop and Box (Set), Item SPV.0060.115; Tee 6"x 6", Item SPV.0060.123; Bend 45- Degree 8" Item SPV.0060.124; Reducer 10" x 8", Item SPV.0060.125.

A Description

Furnish and install water appurtenances as shown on the plans and hereinafter provided.

B Materials

Provide water system materials that are in conformance to the Village of Kewaskum Specifications. Backfill materials for all trenches and excavations shall be as described in the Trench Slurry Backfill contract item.

Prior to incorporating any materials or products into the work, submit to the engineer and village water utility representatives product literature and catalog cuts of the materials being supplied. Submit sufficient detail to readily determine if these materials are in conformance with the required specifications.

Any fittings or components used in the potable water system shall be stamped 'NL' and meet all Federal no-lead provisions.

C Construction

C.1 Applicable Specifications

Perform all water system construction in conformance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin. Backfilling shall be completed in accordance to the requirements for slurry backfill.

Disinfect all water mains, appurtenances and services installed under the contract in accordance to the Village of Kewaskum specifications and AWWA C-651.

C.2 Water Main Appertenances

All water main fittings shall be covered or wrapped and secured with 8-mil thick polyethylene film meeting the requirements of AWWA C-105 or ANSI A-21.5 and according to the Village of Kewaskum specifications.

Block all tees, plugs and bends as shown on the construction detail drawings. Furnish and install detector wire and location box in accordance to the plan detail at all fire hydrants installed under this contract.

C.3 Connect Water Main to Existing

Provide all materials and labor required to properly connect the new water main pipe to the existing water main pipe as shown on the plan and as directed by the engineer.

The contractor shall adjust the new water main for both horizontal and vertical alignment required to properly match the existing water main. Furnish and install detector wire and location box in accordance to the plan detail at all connections to existing water mains.

C.4 Corporation, Curb Stop and Box (Set)

All water services shall use a corporation installed on the main with a tapping saddle as specified in the Village of Kewaskum specifications and a curb stop and box positioned as shown on the plan or as directed by a representative of the village water division, in accordance to the Village of Kewaskum specifications. All curb stop boxes shall be wrapped with polyethylene sheets. The polyethylene shall be taped on both the bottom and top of the curb box. The exact location of the curb stops will be dependent upon field conditions. Curb stop locations as shown on the plan are approximate and may be adjusted in the field by the Village of Kewaskum.

The contractor shall install a separate casting and cover for any curb box that is located in a concrete sidewalk or concrete driveway. The Village of Kewaskum Water Department will supply the casting and cover to the contractor. Contractor shall provide a min. of three day’s notice to the Water department prior to installation of the castings and covers.

The curb box shall be installed so that the top of the box is 3-inches below the finished concrete surface elevation. The casting and cover shall be installed and centered on the water service curb box. The casting shall be set flush into the new concrete sidewalk or driveway and shall not be connected to the curb stop box. The contractor shall verify that curb boxes are plumb in the presence of a Village of Kewaskum water utility representative prior to installation of the casting and cover. Picking up, installing the castings and covers, and verifying the plumbness shall be considered incidental to the Corporation, Curb Stop and Box (Set) items.

D Measurement

The department will measure Water Valve and Box (Size); Fire Hydrant; Tee (Size); Cross (Size); Reducer 10'x6"; Connect Water Main to Existing, Bend (Size); and Corporation, Curb Stop and Box (Set) (Size) by the individual unit approved by the Village of Kewaskum, and acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.100	Water Valve and Box 6-Inch	Each
SPV.0060.101	Water Valve and Box 10-Inch	Each
SPV.0060.102	Fire Hydrant	Each
SPV.0060.103	Tee 10"x 6"	Each
SPV.0060.104	Tee 8'x 8"	Each
SPV.0060.105	Tee 10"x10"	Each
SPV.0060.106	Cross 10"x 6"	Each
SPV.0060.107	Cross 10"x 10"	Each
SPV.0060.108	Reducer 10"x 6"	Each
SPV.0060.109	Connect Water Main to Existing	Each
SPV.0060.110	Bend 22.5 Degree 6"	Each
SPV.0060.111	Bend 45 Degree 6"	Each
SPV.0060.112	Bend 22.5 Degree 10"	Each
SPV.0060.113	Bend 45 Degree 10"	Each
SPV.0060.114	1-Inch Corporation, Curb Stop and Box (Set)	Each
SPV.0060.115	2-Inch Corporation, Curb Stop and Box (Set)	Each
SPV.0060.123	Tee 6"x 6"	Each
SPV.0060.124	Bend 45 Degree 8"	Each
SPV.0060.125	Reducer 10"x 8"	Each

Payment is full compensation for providing all equipment, labor and materials, including valves and valve boxes, fire hydrants, tees, crosses, reducers, bends, corporations, tapping saddles, curb stops and boxes, connection sleeves, polyethylene encasement and securing, thrust blocking, for providing and installing detector wire and location boxes at all fire hydrants and at all connections to existing water mains, and other required materials to allow for connecting to existing mains to produce a complete working system; for picking up, transporting and installing the castings and covers for the curb stop boxes; for furnishing all excavating except for rock excavation; for forming foundation; for

replacing unstable foundation materials; for sheeting, shoring and dewatering; for making connections to new or existing pipe or fixtures; for providing and compacting stone bedding material; for trench insulation if found to be necessary; for cleaning out pipes and fittings; for testing and disinfecting and for restoring the site of the work. Slurry backfill material for furnishing all excavation under these items shall be measured and paid for under the contract item of Trench Slurry Backfill.

This work shall include all fittings and any necessary components required to properly connect the new water main to the existing water main and the new water services to the existing water services to provide a complete connection.

46. Remove Fire Hydrant, Item SPV.0060.116; Remove Water Valve, Item SPV.0060.117; Remove Tee, Station 79+02, 67.50' RT., Item SPV.0060.118; Remove Sanitary Manhole, Item SPV.0060.119.

A Description

Completely remove all existing sanitary sewer and water facilities as shown on the plan and those that are in conflict with the new facilities and / or are located within the trench and excavation limits of the new facilities. Perform this work in accordance to the Village of Kewaskum specifications, standard spec 204 for Sewer and Water Construction in Wisconsin and as hereinafter provided.

B Materials

Provide water system materials that are in conformance to the Village of Kewaskum Specifications. Backfill materials for all trenches and excavations shall be slurry backfill meeting the contract requirements. Provide base aggregate dense material in accordance to standard spec 305.

C Construction

C.1 Applicable Specifications

Perform all water system construction in conformance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin.

C.2 Remove Water Facilities

Remove Fire Hydrants including attached parts and connections as shown on the plans and as directed by Village of Kewaskum water system personnel to the top of elbow, bulkhead the remaining pipe at the elbow and completely fill the voided area with slurry backfill.

Remove water valves completely and bulkhead the existing pipes at each exposed end.

Bulkhead the pipe ends as specified for abandoning pipes and structures under standard spec 204.3.3.1.

Verify with the Village of Kewaskum whether or not the existing fire hydrants are to be inventoried. If the village desires to keep this item, carefully remove them and deliver to the village yard as directed by village staff. If the village does not want to keep these items, properly dispose of them in accordance to standard spec 204.

Remove Tee, Station 79+02, 72.34' RT. as shown on the plans and as directed by Village of Kewaskum water system personnel. Coordinate shutting the water main down with the Village of Kewaskum a minimum of 48 hours in advance of performing this work. Perform this work in accordance to the Village of Kewaskum Specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin.

Furnish and install a piece of 8" ductile iron water main pipe and a stainless steel repair sleeve and bulkhead the existing hydrant lead at Station 79+02, 72.34' RT. as specified for abandoning pipes and structures under standard spec 204.3.3.1. Provide and install a piece of water main pipe to provide a min. of 6-inches of lap to be covered by the repair sleeve. This work shall be incidental to the item of Remove Tee. Disinfect the water mains, appurtenances and services installed under the contract in accordance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin. Fill the excavation with slurry backfill to match the existing subgrade elevation. Place compacted base aggregate dense 1 ¼-inch to match the adjacent pavement elevation. The base aggregate dense 1 ¼-inch for this work will be measured and paid for under separate contract items.

C.3 Remove Sanitary Sewer Facilities

Remove Sanitary Manholes as shown on the plans and as directed by Village of Kewaskum sewer personnel in accordance to the pertinent requirements of standard spec 204. Bulkhead unused sewer pipes as specified for abandoning pipes and structures under standard spec 204.3.3.1. Fill the excavation with slurry backfill.

Verify with the Village of Kewaskum whether or not the existing castings and covers are to be inventoried. If the village desires to keep these items, carefully remove them and deliver to the village yard as directed by village staff. If the village does not want to keep these items, properly dispose of them in accordance to standard spec 204.

D Measurement

The department will measure Remove Fire Hydrant, Remove Water Valve, Remove Tee and Remove Sanitary Manhole by each individual unit approved by the Village of Kewaskum, and acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.116	Remove Fire Hydrant	Each
SPV.0060.117	Remove Water Valve	Each
SPV.0060.118	Remove Tee, Station 79+02, 67.50' RT.	Each
SPV.0060.119	Remove Sanitary Manhole	Each

Payment is full compensation for providing all equipment, labor, tools, materials and incidentals required to remove these items including all attached parts and connections; for furnishing water main pipe and appurtenances as required; for testing and disinfecting the water main; for bulkheading any existing pipes remaining in place; for furnishing all excavation except for rock excavation; for sheeting, shoring and dewatering; for furnishing, placing and compacting slurry backfill; for removing sheeting and shoring; for restoring the site of the work; and for loading, transporting and unloading removed hydrants, manhole castings and covers at the village yard if required.

47. Abandon Water Valve, Item SPV.0060.120.

A Description
Abandon existing water valves in accordance to the Village of Kewaskum specifications and the pertinent requirements of standard spec 204, as shown on the plans and hereinafter provided.

B Materials
Provide water system materials that are in conformance to the Village of Kewaskum specifications. Backfill materials for all trenches and excavations shall be slurry backfill meeting the Village of Kewaskum specifications.

C Construction
Perform all water system construction in conformance to the Village of Kewaskum specifications.

Remove existing valve boxes to a point 4 feet below finished grade. Completely fill the remaining voided area with slurry backfill.

Verify with the Village of Kewaskum whether or not the existing valve boxes are to be inventoried. If the village desires to keep these items, carefully remove them and deliver to the village yard as directed by village staff. If the village does not want to keep these items, properly dispose of them in accordance to standard spec 204.

D Measurement
The department will measure Abandon Water Valve by each individual unit approved by the Village of Kewaskum, and acceptably completed.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.120	Abandon Water Valve	Each

Payment is full compensation for providing all equipment, labor, tools, materials and incidentals required to abandon water valves; for furnishing all excavating except for rock excavation; for sheeting, shoring and dewatering; for furnishing, placing and

compacting slurry backfill; for removing sheeting and shoring; for restoring the site of the work; and for loading, transporting and unloading valve boxes at the village yard if required.

48. Reconstruct Sanitary Manholes, Item SPV.0060.122.

A Description
Reconstruct sanitary manholes as shown on the plans in accordance to the Village of Kewaskum specifications and as hereinafter provided.

B Materials
Provide sanitary sewer materials that are in conformance to the Village of Kewaskum Specifications. Backfill excavated areas with slurry backfill in conformance with the Village of Kewaskum specifications.

B.1 Shop Drawings
Prior to incorporating any materials or products into the work, submit to the engineer and village sewer system representatives product literature and catalog cuts of the materials being supplied. Submit sufficient detail to readily determine if these materials are in conformance with the required specifications.

C Construction
C.1 Applicable Specifications
Perform all sewer system construction in conformance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin.

Remove existing manhole lid, frame, and manhole sections as required to adjust the finished rim elevation to match the proposed finished surface elevation. Reset the existing manhole frame and lid and provide for 6-inches of adjustment below the finished grade of the frame and lid in accordance to standard spec 611. Backfill all excavated areas with slurry backfill.

C.3 Cleaning
The contractor is responsible to see that sanitary sewer lines are free at all times of dirt, gravel, and debris resulting from construction operations. The Village of Kewaskum will notify the contractor of any debris identified, and if the contractor fails to properly clean out the debris, the village will charge the contractor for cleaning any of the manholes and sewer lines on this project during construction and until final acceptance of the improvements. Upon completion of the work, ensure that any debris in the manholes or pipe deposited as a result of this project has been removed prior to leaving the construction site.

D Measurement
The department will measure Reconstruct Sanitary Manholes as each individual manhole, 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.0060.122	Reconstruct Sanitary Manholes	Each

Payment is full compensation for providing all equipment, labor, tools, and materials including masonry, fittings, manhole sections and incidentals; for furnishing all excavating except for rock excavation; for sheeting, shoring and dewatering; for providing, placing and compacting slurry backfill; for removing sheeting and shoring and for restoring the site of the work.

49. Fluorocarbon Gasket 10-Inch, Item SPV.0060.126.

A Description

Furnish and install Fluorocarbon Gaskets for ductile iron water main where water main is installed in areas of contaminated soil.

B Materials

B.1 Applicable Specifications

Provide water system materials that are in conformance to the Village of Kewaskum specifications. Fluorocarbon gaskets shall conform to A.W.W.A. C-111 or A.N.S.I. 21.11 Rubber Gasket Joints for Ductile Iron Pressure Pipe and Fittings.

B.2 Shop Drawings

Prior to incorporating any materials or products into the work, submit to the engineer and village water utility representatives product literature and catalog cuts of the materials being supplied. Submit sufficient detail to readily determine if these materials are in conformance with the required specifications.

C Construction

The approximate location of the contaminated soils is shown on the plans. Special water main construction is required through these areas and within 50 feet of the contaminated soils as verified. Special water main construction shall consist of polyethylene encased ductile iron water main pipe with the standard gaskets replaced with fluorocarbon gaskets.

D Measurement

The department will measure Fluorocarbon Gasket 10-Inch by each individual unit for each gasket approved by the Village of Kewaskum, and acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.126	Fluorocarbon Gasket 10-Inch	Each

Payment is full compensation for providing all equipment, labor, tools, materials and incidentals required to properly install Fluorocarbon Gaskets and all associated work to provide a complete functioning system.

50. Water Main Offset, 6-Inch, Item SPV.0060.127; 10-Inch, Item SPV.0060.128.

A Description

Furnish and install ductile iron water main fittings and PVC or Ductile Iron water main pipe to offset the new water mains to accommodate new piping crossings, utilities or other infrastructures, in accordance to the plans or as directed by the engineer, and as hereinafter provided. This work includes:

- Excavating required trenches
- Providing and placing bedding materials
- Laying therein ductile iron water fittings of the size and type specified
- Polyethylene encasement and joint restraint glands
- Connect to existing and new pipes
- Furnishing and installing all sheeting and shoring
- Backfilling and compacting the trenches (to be measured and paid for under separate contract item of Trench Slurry Backfill)
- Disinfection
- Restoring the work site as provided by the plans and specifications.

B Materials

Fittings and water main pipe furnished under this bid item shall meet the requirements of the Village of Kewaskum specifications.

All fittings shall be equipped with mechanical joint restraint glands with torque limiting twist off nuts.

Polyethylene encasement furnished under these specifications shall conform to AWWA C-105 or ANSI A21.5. Film shall be Class “C” Black, with a minimum nominal thickness of 0.0008-inches (8 mils). Tape shall have a minimum thickness of 8 mils, and a minimum width of 1-inch. T-bolts shall have a ceramic filled, naked on fluorocarbon resin coating. Tracer wire shall be #10 AWG copper.

C Construction

Perform all construction in accordance to the Village of Kewaskum specifications, the Standard Specifications for Sewer and Water Construction in Wisconsin, all current addendums, and in accordance to all details shown in the plan set. All work located within the pavement surface shall be backfilled slurry backfill in accordance to the contract item.

D Measurement

The department will measure Water Main Offset (Size) as each individual complete assembly, 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.0060.127	Water Main Offset, 6-Inch	Each
SPV.0060.128	Water Main Offset, 10-Inch	Each

Payment is full compensation for furnishing all materials; for the excavation, backfilling, and disposal of surplus materials; for testing; making special connections to existing and new mains and appurtenances; disinfecting the water mains; cleanup, and restoring site of work; and for furnishing all labor, connections, fittings, tools, equipment, and incidentals necessary for completing the contract work.

51. Abandon Fire Hydrant, Item SPV.0060.129.

A Description
Abandon existing fire hydrants in accordance to the Village of Kewaskum specifications and the pertinent requirements of standard spec 204, as shown on the plans and hereinafter provided.

B Materials
Provide water system materials that are in conformance to the Village of Kewaskum specifications. Backfill materials for all excavations and shall be slurry backfill in conformance with the Village of Kewaskum specifications.

C Construction
Perform all water system construction in conformance to the Village of Kewaskum specifications.

Remove existing hydrants to a point 2 feet below finished grade. Bulkhead the remaining hydrant section and completely fill the remaining voided area with slurry backfill.

Properly dispose of the removed hydrants in accordance to standard spec 204.

D Measurement
The department will measure Abandon Fire Hydrant by each individual unit approved by the Village of Kewaskum, and acceptably completed.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.129	Abandon Fire Hydrant	Each

Payment is full compensation for providing all equipment, labor, tools, materials and incidentals required to abandon fire hydrants; for furnishing all excavating except for rock excavation; for sheeting, shoring and dewatering; for furnishing, placing and compacting slurry backfill; for removing sheeting and shoring; for restoring the site of the work.

52. Adjusting Water Valve Boxes, Item SPV.0060.130.

A Description

Adjust existing water valve boxes as shown on the plans to the required finished elevation; replace existing damaged extensions or top sections; straighten all existing extensions or top sections out of plumb, in accordance to the Village of Kewaskum specifications, and as hereinafter provided.

B Materials

Provide water system materials that are in conformance to the Village of Kewaskum specifications. Backfill materials for all excavations and shall be slurry backfill.

C Construction

Perform all water system construction in conformance to the Village of Kewaskum specifications and the Standard Specification for Sewer and Water Construction in Wisconsin. Backfill all excavations with slurry backfill. Properly dispose of all removed water valve box pieces in accordance to standard spec 204.

D Measurement

The department will measure Adjusting Water Valve Boxes by each individual unit approved by the Village of Kewaskum, and acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.130	Adjusting Water Valve Boxes	Each

Payment is full compensation for providing all materials, including top sections, extensions and lids; for the adjustment to final finished grade; for furnishing all excavation except for rock excavation, for replacing existing damaged extensions or top sections; for straightening all existing extensions or top sections out of plumb; for furnishing, placing and compacting slurry backfill material; for disposal of surplus material; for shoring and dewatering; for removing sheeting and shoring; for restoring the site of the work.

53. Seed Mix Special, Item SPV.0085.001.

A Description

This special provision describes supplying native seed and cover nurse crop for planting in the wet meadow seeding zones as indicated on the plan; supplying seed samples, germination test data and storage and delivery of seed; all in accordance to the special provisions provided herein.

B Materials

Use the following native seed specifications during seed acquisition.

- Provide native seed true to species, packed separately, with label information including scientific and common name, quantity, date and location picked, name and company supervising the picking.

- Provide seed relatively free of non-seed debris and of non-native and/or invasive species including, but not limited to, reed canary grass, purple loosestrife, spotted knapweed and Canada thistle.

- Provide seed of local ecotype and origin no further than 150 linear miles from the project location.

- Provide seed that was picked at the appropriate time for ripeness and viability. Obtain germination test results and certification for a random sample of each species prior to receiving delivery of the seed. Provide written documentation of germination tests to the engineer 14 days prior to seeding.

- If the seed does not meet the minimum required 80 percent germination rate, additional seed must be supplied at the cost of the seed supplier/contractor to meet the total viable seed quantity.

- Deliver a representative sample of each species to the engineer (14 days prior to seeding) for inspection and identification prior to the acceptance of the seed.

- Provide cover crop for the wet meadow seeding zones consisting of annual rye (*Lolium temulentum*) for spring plantings and winter wheat (*Triticum aestivum)* for dormant fall plantings.

- Use the following seed schedule in each of the designated zones. Substitutions or changes to the seeding schedule must be approved by the engineer prior to seeding. All seed quantities provided assume a minimum 80% germination rate.

B.1 Seed Mixes

Seeding rates and mixes are as follows, or as directed by the engineer:

B.1.1 Wet Meadow Seeding Zone (0.35 Acres)
The seed mix for the wet meadow planting is composed of 1.05 pounds of sedges and rushes, 1.05 pounds of grasses and 2.1 pounds of forbs, for a total of 4.2 pounds of native seed. Additionally, the cover crop is seeded at 20 pounds per acre for a total of 7.0 pounds of cover crop in the wet meadow seeding zone.

a. **Sedges and Rushes.** Seed at 3.0 pounds per acre for a total of 1.05 pounds. Provide a minimum of 3 species, with no individual species comprising more than 35% of the total sedge and rush seed mix. (*required species)

Scientific Name	**Common Name**
Carex hystericina	porcupine sedge
*Carex stipata**	awl-fruited sedge
*Carex vulpinoidea**	fox sedge
Scirpus atrovirens	green bulrush

b. **Grasses. Seed at 3.0 pounds per acre for a total of 1.05 pounds**. Provide a minimum of 3 species, with no individual species comprising more than 35% of the total grass seed mix. (*required species).

Scientific Name	**Common Name**
Calamagrostis canadensis	Canada blue joint
*Elymus Canadensis**	Canada wild rye
Elymus virginicus	Virginia wild rye
*Glyceria striata**	fowl manna grass

c. **Forbs. Seed at 6.0 pounds per acre for a total of 2.1 pounds**. Provide a minimum of 6 species, with no individual species comprising more than 20% of the total forb seed mix. (*required species).

Scientific Name	**Common Name**
*Asclepias incarnata**	marsh milkweed
*Aster novae-angliae**	New England aster
Eupatorium maculatum	joe-pye weed
*Euthamia graminifolia**	grass-leaved goldenrod
*Helenium autumnale**	sneezeweed
Pycnanthemum virginiana	Virginia mountain mint
Solidago gigantea	giant goldenrod
*Verbena hastata**	blue vervain

D Measurement
The department will measure Seed Mix Special meeting the required 80 percent germination rate by actual pounds of native seed supplied.

Native seed not meeting the required 80 percent germination rate will be measured by the equivalent pounds, based on the following formula for each species.

Equivalent pounds =
(number of actual pounds of native seed supplied) X (actual percent germination rate/80).

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0085.001	Seed Mix Special	LB

Payment is full compensation for furnishing and delivery of native seed and cover crop to the project site, providing seed samples and germination data.

54. Pavement Marking Grooved Preformed Plastic 4-Inch, Item SPV.0090.001; 8-Inch, Item SPV.0090.002.

A Description
This special provision describes furnishing, grooving, and installing contrast preformed plastic pavement marking tape as shown on the plans, in accordance to section 646 of the standards specifications, and as hereinafter provided.

B Materials
Furnish grooved contrast preformed plastic pavement marking tape and adhesive material, if required, from the department's approved products list.

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

C Construction
C.1 General
For quality assurance, provide the engineer and the region's Marking Section evidence of manufacturer training in the proper placement and installation of pavement marking tape.

Plane the grooved lines in accordance to details in the plan. Use grooving equipment with a free-floating, independent cutting or grinding head. Plane a minimum number of passes to create a smooth groove.

C.2 Groove Depth
Cut the groove to a depth of 120 mils ±10 mils from the pavement surface or, if tined, from the high point of the tined surface. Measure depth using a straightedge placed perpendicular to the groove. The department may periodically check groove depths.

C.3 Groove Width – Longitudinal Markings
Cut the groove one-inch wider than the width of the tape.

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

C.5 Groove Cleaning
C.5.1 Concrete
Cooling the cutting head with water may be necessary for some applications and equipment. If cooling water is necessary, flush the groove immediately with water after cutting to remove any build-up of cement dust and water slurry. If this is not done, the slurry may harden in the groove.

If water is used in the grooving process, allow the groove to dry a minimum of 24 hours after groove cleaning, after removal of excess water, and prior to pavement marking application. Clean and dry the groove for proper application of the adhesive, and placement of the pavement marking. Use a high-pressure air blower with at least 185 ft^3/min air flow and 90 psi air pressure to clean the groove; use of the air blower does not decrease the amount of time required for the groove to dry.

C.5.2 New Asphalt
Groove pavement 5 or more days after paving.

If opening to traffic an asphalt lane that is not grooved, place temporary pavement marking. For asphalt lanes not open to traffic, temporary pavement marking is not required.

Use a high-pressure air blower with at least 185 ft^3/min air flow and 90 psi air pressure to clean the groove.

C.5.3 Existing Asphalt
Check for structural integrity in supporting grooving operations. If the structural integrity of the asphalt pavement is inadequate to support grooving operations, immediately notify the engineer.

Use a high-pressure air blower with at least 185 ft^3/min air flow and 90 psi air pressure to clean the groove.

C.6 Tape Application
Apply the tape when both the air and surface temperature are 40 degrees F and rising.

Apply the tape in the groove as per manufacturer's recommendations. If manufacturer's recommendations require surface preparation adhesive, apply an adhesive with lower than 91g/l VOC during the following period of time due to Volatile Organic Compound Limitations:

May 1 to September 30, both dates inclusive – the Southeast Region and the ozone non-attainment Northeast Region counties of Sheboygan, Manitowoc, and Kewaunee.

Use any adhesive from the preformed plastic approved products list in the remainder counties and for the remainder of the year.

The adhesive must be dry (feels tacky but is no longer in liquid form) and have a matte finish rather than a glossy wet appearance.

Tamp the contrast pavement marking tape with a tamper cart roller cut to fit the groove. Tamp three complete cycles with grooved modified equipment.

D Measurement
The department will measure Pavement Marking Grooved Contrast Preformed Plastic Tape (Width) in length by the linear foot of tape placed in accordance to the contract and accepted.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.001	Pavement Marking Grooved Preformed Plastic 4-Inch	LF
SPV.0090.002	Pavement Marking Grooved Preformed Plastic 8-Inch	LF

Payment is full compensation for cleaning and preparing the pavement surface; furnishing and installing the material; furnishing, placing, and removing temporary pavement marking, if necessary.

55. Coconut Fiber Roll, Delivered, Item SPV.0090.006; Coconut Fiber Roll, Installed, Item SPV.0090.007.

A Description
This special provision describes furnishing and placing Coconut Fiber Roll(s) at the locations shown on the plans, as directed by the engineer, and as hereinafter provided.

B Materials
Coconut Fiber Roll material must be pre-qualified by the department prior to use.

C Construction
Coconut Fiber Rolls shall be delivered and installed using the specifications in the plan and Special Provisions. Securely anchor Coconut Fiber Rolls by burying the bottom one-third of the log and fastening them to stakes.

D Measurement
The department will measure Coconut Fiber Roll, Delivered and Coconut Fiber Roll, Installed in length by the linear foot, in place for each roll, complete and accepted in accordance to the terms of 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.0090.006	Coconut Fiber Roll, Delivered	LF
SPV.0090.007	Coconut Fiber Roll, Installed	LF

Payment is full compensation for furnishing and installing the rolls, transporting the rolls; placing, anchoring and supplying fastening materials.

56. Water Main 6-Inch, Item SPV.0090.100; 10-Inch PVC, Item SPV.0090.101; Water Service 1-Inch, Item SPV.0090.102; Water Service 2-Inch, Item SPV.0090.103; 10-Inch Ductile Iron, Item SPV.0090.111.

A Description

Furnish and install water main and appurtenances as shown on the plans and hereinafter provided.

B Materials

B.1 Water Main

Provide AWWA C-900, Class 235 pressure pipe with DR18 or less with integrated elastomeric bell and spigot joints or equivalent as approved by the Village of Kewaskum for PVC Pipe. Provide AWWA C-151, thickness Class 52 Ductile Iron with Cement lining with Tyton gasketed joint pipe and cable bond connectors or equivalent as approved by the Village of Kewaskum. Ductile iron water main is to be installed at contaminated soil locations as determined by the engineer in the field. Fluorocarbon gaskets are required in areas of contaminated soil. Backfill all excavated areas and trenches with separate contract item Trench Backfill Slurry in accordance to the plan details.

Provide all water system materials that are in conformance to the Village of Kewaskum specifications.

B.2 Water Service

Provide Type K copper tubing or Polyethylene HDPE SDR 9 in conformance to the Village of Kewaskum specifications for 1-inch services. Compression fittings will be allowed. Provide polyethylene (HDPE), ASTM D2737, SDR9 class 200 pipe or equivalent for 2-inch services. Backfill all excavated areas and trenches with separate contract item Trench Backfill Slurry in accordance to the plan details.

Prior to incorporating any materials or products into the work, submit to the engineer and village water utility representatives product literature and catalog cuts of the materials being supplied. Submit sufficient detail to readily determine if these materials are in conformance with the required specifications.

C Construction

C.1 Water Main

Perform all water system construction in conformance to the Village of Kewaskum specifications, AWWA C-605, and the Standard Specifications for Sewer and Water Construction in Wisconsin. Backfilling shall be completed in accordance to the requirements for contract item Trench Backfill Slurry.

Install the water main to a minimum depth of 6.5 feet or as shown on the plans as measured from the top of pipe to the future finished road grade or to such depth, as approved by the Village of Kewaskum, to avoid interference with the storm sewer, sanitary sewer, laterals and other underground utilities. Insulate the water main in all areas where the depth of cover from the finished surface to the top of water main pipe is less than 6-feet. Water main insulation shall be measured and paid for under a separate contract item.

All ductile iron appurtenances shall be wrapped and encased in 8-mil thick polyethylene film meeting the requirements of AWWA C-105 or ANSI A-21.5.

Disinfect all water mains, appurtenances and services installed under the contract in accordance to the Village of Kewaskum specifications and AWWA C-651.

Provide temporary water service if necessary to ensure that out of service time to residents and businesses is kept to an absolute minimum, in conformance with the Village of Kewaskum Specifications. Coordinate water service interruptions with the Village of Kewaskum and any impacted water customers a minimum of 48 hours prior to any water service interruptions.

Install plastic coated #10 AWG copper tracer wire to all water main pipe. Securely attach tracer wire to pipe every 3-feet. The wire shall be grounded to all copper services. All wire splices shall be connected with a Pro-Tracer TW connector or approved equivalent. Prior to final acceptance the Village of Kewaskum will verify water main locations by tracing the actual installations. Terminate tracer wires at detector wire and location boxes as required.

Perform pressure and leakage testing in accordance to the Village of Kewaskum specifications.

C.2 Water Services

Perform all water system construction in conformance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin. Backfill all excavated areas and trenches with separate contract item Trench Backfill Slurry in accordance to the plan details.

The work shall include all labor and materials to reconstruct and reconnect each existing active water service and install any new services as directed by the engineer at the time of construction. Begin this work only after the bacteriological and hydrostatic tests have been successfully completed and verified by the Village Director of Public Works.

Abandon existing water services as shown on the plan and as directed by the Village of Kewaskum at the time of construction. Abandon existing water services in accordance to the Village of Kewaskum Specifications.

The connection from the new service to the existing service shall be located as directed in the field at the time of construction by a Village Water Department representative. The exact location will be dependent upon the condition of the existing pipe and field conditions. Curb stop locations as shown on the plan are approximate and may be adjusted in the field by the Village of Kewaskum.

Construct clay dams at the point of connection to existing services as shown in the plan and as directed the Village Water Department representative in the field. Provide suitable clay soils as approved by the engineer.

C.3 Electrical Conductivity Test for Ductile Iron Pipe
Perform electrical conductivity test to verify continuity between pipe lengths and across joints of pipe and fittings. Perform testing in accordance to the Village of Kewaskum standard specifications.

C.4 Tracer Wire Test (PVC)
Conduct a tracer wire test on the completed water system in the presence of a Village of Kewaskum water dept. representative.

D Measurement
The department will measure Water Main (Size) and Water Service (Size) by the linear foot approved by the Village of Kewaskum, and acceptably completed.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.100	Water Main 6-Inch	LF
SPV.0090.101	Water Main 10-Inch PVC	LF
SPV.0090.102	Water Service 1-Inch	LF
SPV.0090.103	Water Service 2-Inch	LF
SPV.0090.111	Water Main 10-Inch Ductile Iron	LF

Payment is full compensation for providing all equipment, labor and materials, including miscellaneous items for installing a complete working water system, for furnishing all excavation, except for rock excavation; for forming foundation; for replacing unstable foundation materials; for sheeting, shoring and dewatering; for making connections to new or existing pipe or fixtures; that are for abandoning or removing existing pipes, fixtures and services no longer active; for providing and installing tracer wires; for providing stone bedding material; for cleaning out pipes and fittings; for providing temporary water service if necessary; and for testing and disinfecting and for restoring

the site of the work. Trench backfill shall be measured and paid for under a separate contract item.

Payment for Water Service (Size) is full compensation for furnishing all work and materials, including miscellaneous fittings to properly connect to the new service to the existing service in accordance to the village specifications; for abandoning or removing existing pipes, services and fixtures that are no longer active and for furnishing all work and materials required for clay dams at the point of connection to existing services. Also, if a service is installed for a future connection that does not connect to an existing service, this work shall also include any fittings required to properly cap or plug the end of the service. Trench slurry backfill shall be measured and paid for under a separate contract item.

57. Sanitary Sewer Pipe 8-Inch, Item SPV.0090.104; Sanitary Sewer Pipe 12-Inch, Item SPV.0090.105; Sanitary Lateral 6-Inch, Item SPV.0090.107; Sanitary Sewer Pipe 10- Inch, Item SPV.0090.109; Sanitary Sewer Pipe 15-Inch, Item SPV.0090.110.

A Description

Furnish and install sanitary sewer main and laterals as shown on the plans and hereinafter provided.

B Materials

B.1 Applicable Specifications

Provide polyvinyl chloride pipe (PVC), SDR 35 (8-inch and larger) and PVC, SCH 40 for 4-inch and 6-inch laterals. Provide all sanitary sewer materials that are in conformance to the Village of Kewaskum specifications.

Prior to incorporating any materials or products into the work, submit to the engineer and village Public Works representatives product literature and catalog cuts of the materials being supplied. Submit sufficient detail to readily determine if these materials are in conformance with the required specifications. Backfill all excavated areas and trenches with the contract item of trench slurry backfill.

C Construction

C.1 Applicable Specifications

Perform all sanitary sewer system construction in conformance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin. Backfilling shall be completed in accordance to the requirements for trench slurry backfill.

C.2 Sanitary Sewer Mainline Testing

The unit price for sanitary sewer pipe shall also include alignment, grade, and deflection or deformation testing along with closed circuit television inspection as per the City of Kewaskum Specifications. This shall include a television inspection and report of the new sewer mainline and laterals up to the reconnection points installed under the contract. Perform this inspection, testing and reporting before completing grading and

base aggregate operations. Submit the television inspection in digital format. Submit the television report in digital (PDF) and hard copy format.

C.3 Maintenance Sanitary Sewer Service
Provide adequate equipment and facilities to provide bypass pumping for all elements of work requiring interruption to flow in the sanitary sewer. The contractor is responsible for damages to private or public property due to sewer backup while controlling sewage flow.

C.4 Determination of Active Sanitary Laterals
Dye test and / or provide the necessary inspections to determine which laterals are active and to be reconnected and relayed. Existing connections as shown on the plan are indicated from a previous television report and could possibly be either active or inactive.

C.5 Cleaning
The contractor is responsible to see that sanitary sewer lines are free at all times of dirt, gravel, and debris resulting from construction operations. The Village of Kewaskum will notify the contractor of any debris identified, and if the contractor fails to properly clean out the debris, the village will charge the contractor for cleaning any of the manholes and sewer lines on this project during construction and until final acceptance of the improvements. Upon completion of the work, ensure that any debris in the manholes or pipe deposited as a result of this project has been removed prior to leaving the construction site.

C.6 Sanitary Lateral Clay Dams
Clay dams shall be installed at the end of each sanitary lateral in accordance to the construction detail. The cost for the clay dam installation will be included in the unit price of the sanitary lateral.

D Measurement
The department will measure Sanitary Sewer Pipe (Size) and Sanitary Lateral (Size) by the linear foot approved by the Village of Kewaskum, and acceptably completed.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.104	Sanitary Sewer Pipe 8-Inch	LF
SPV.0090.105	Sanitary Sewer Pipe 12-Inch	LF
SPV.0090.107	Sanitary Lateral 6-Inch	LF
SPV.0090.109	Sanitary Sewer Pipe 10-Inch	LF
SPV.0090.110	Sanitary Sewer Pipe 15-Inch	LF

Payment is full compensation for providing all equipment, labor and materials, including couplings, vertical risers, vertical and horizontal bends, and other required fittings to properly connect the new lateral to the existing lateral according to the specifications; for furnishing all dye testing or inspection required to identify active laterals; for furnishing

all excavation, except for rock excavation; for forming foundation; for replacing unstable foundation materials; for sheeting, shoring and dewatering; for laying pipe; for making connections to new or existing pipe or fixtures; for abandoning existing pipes that are no longer active; for backfilling and compacting; for providing clay dams; for providing and compacting stone bedding material; for providing flow control and temporary pumping; for testing; for cleaning out pipes and manholes and for restoring the site of the work. Slurry Backfill shall be measured and paid for under the contract item of trench slurry backfill.

58. Sanitary Forcemain 1.5-Inch, Item SPV.0090.108.

A Description

Furnish and install Sanitary Forcemain 1.5-inch as shown on the plans and hereinafter provided.

B Materials

B.1 Applicable Specifications

Furnish 1.5-inch DR 11 HDPE, PE3408/PE3608 conforming to ASTM D3350 with minimum cell classification of PE345464C. Leak proof thermal butt fusion joints with #12 insulated copper tracer wire (green color) required.

Provide all sanitary sewer materials that are in conformance to the Village of Kewaskum Specifications.

Prior to incorporating any materials or products into the work, submit to the engineer and village Public Works representatives product literature and catalog cuts of the materials being supplied. Submit sufficient detail to readily determine if these materials are in conformance with the required specifications. Backfill all excavated areas and trenches with the contract item of trench slurry backfill.

C Construction

C.1 Applicable Specifications

Perform all sanitary sewer system construction in conformance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin. Backfilling shall be completed in accordance to the requirements for trench slurry backfill.

C.2 Sanitary Sewer forcemain testing

The unit price for sanitary sewer pipe shall also include alignment, grade, and deflection or deformation testing as per the City of Kewaskum Specifications. Perform this inspection, testing and reporting before completing grading and base aggregate operations.

C.3 Maintenance Sanitary Sewer Service
Provide adequate equipment and facilities to provide bypass pumping for all elements of work requiring interruption to flow in the sanitary sewer. The contractor is responsible for damages to private or public property due to sewer backup while controlling sewage flow.

C.4 Cleaning
The contractor is responsible to see that sanitary sewer lines and forcemains are free at all times of dirt, gravel, and debris resulting from construction operations. The Village of Kewaskum will notify the contractor od any debris identified, and it the contractor fails to properly clean out the debris, the village will charge the contractor for cleaning any of the manholes and sewer lines on this project during construction and until final acceptance of the improvements. Upon completion of the work, ensure that any debris in the manholes or pipe deposited as a result of this project has been removed prior to leaving the construction site.

D Measurement
The department will measure Sanitary Forcemain 1.5-Inch by the linear foot approved by the Village of Kewaskum, and acceptably completed.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.108	Sanitary Forcemain 1.5-Inch	LF

Payment is full compensation for providing all equipment, labor and materials, including couplings, vertical risers, vertical and horizontal bends, and other required fittings to properly connect the new forcemain to the duplex grinder pump and manholes according to the specifications; for furnishing all excavation, except for rock excavation; for forming foundation; for replacing unstable foundation materials; for sheeting, shoring and dewatering; for laying pipe; for making connections to new or existing pipe or fixtures; for abandoning existing pipes that are no longer active; for compacting; for providing and compacting stone bedding material; for providing flow control and temporary pumping; for testing; for cleaning out pipes and manholes and for restoring the site of the work. Slurry Backfill shall be measured and paid for under the contract item of trench slurry backfill.

59. Abandon Sanitary Sewer, Item SPV.0090.112.

A Description
This special provision describes abandoning sanitary sewer as shown in the plans and as hereinafter provided.

B Materials
Cellular concrete shall meet the following specifications: 1 part cement, 1 part flyash, 8 parts fine aggregate and water. Add sufficient water to produce a flowable fill material acceptable to the engineer. These materials are to be in accordance to the pertinent requirements of standard spec 501.2. Weigh materials at a batch plant suitable for batching concrete masonry. Mix and deliver to the project site using a truck mixer. Submit a mix design to the engineer for approval prior to incorporating the material into the work. Backfill materials shall be slurry backfill in conformance with the Village of Kewaskum specifications.

C Construction
Fill existing pipes with cellular concrete that are not in conflict with the new facilities or located within the excavation limits of the new facilities, in accordance to standard spec 204.3.

Completely fill the sanitary sewer pipe to be abandoned as directed by the engineer. In the event that the sewer cannot be completely filled from the existing manholes, tap into the sewer where necessary and fill from these locations. Seal ends of existing pipe in accordance to standard spec 204.3. Backfill any excavated areas with slurry backfill.

The contractor shall provide the engineer with a ticket for each load delivered to the project showing the net weights and volumes of each component in the slurry, the date and the project number.

D Measurement
The department will measure Abandon Sanitary Sewer 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.0090.112	Abandon Sanitary Sewer	LF

Payment is full compensation for furnishing and installing all materials and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work, including slurry backfill.

60. Removing Existing Water Main (B-66-950), Item SPV.0090.114.

A Description
This special provision describes removing the existing water main attached to bridge B-66-950 in accordance to the pertinent provisions of standard spec 107 and standard spec 204 and as hereinafter provided.

B (Vacant)

C Construction

Prior to removal of the existing water main, the pipe covering, insulation and connecting materials will be tested by the department for the presence of asbestos containing materials (ACM). The contractor must notify the Department at least 10 days prior to removal so the testing can be completed. The testing cannot be completed until the water main is removed from service. This testing must be completed prior to removal. If ACM is found during testing, it will be removed by the Department or paid for as extra work.

Remove the existing water main, all attachment hardware, pipe covering, insulation and materials connected to the pipe conforming to the contractor submitted and engineer approved removal and clean-up plan. Submit the removal and clean-up plan as part of the erosion control implementation plan required under standard spec 107.20.

Coordinate the water main removal with the installation of the proposed water main to maintain water service to all properties and water customers. Close valves and empty the existing water main prior to removal. Removal of the existing water main shall not begin until the contractor has completed the installation of the new water main under this contract and the water distribution system is fully operational and has been tested, inspected and accepted by the village.

The contractor shall include the removal of the water main in the debris containment plan for Structure B-66-184.

Supplement standard spec 107.18 as follows:

Remove the existing water main in large pieces, minimizing the number of small pieces dropped into the river or onto the riverbank. Remove water main pipe, insulation, pipe covering, concrete, mounting hardware and other debris that falls into the river or onto the river bank.

Coordinate the removal with the Village of Kewaskum. Provide a removal schedule for the water main to the village a minimum of two weeks prior to beginning the work. Completely remove the water main in accordance to standard spec 204 and the Village of Kewaskum specifications.

Exercise the utmost care not to damage the deck, girders or any portion of the existing bridge structure during removal operations. Do not use any equipment or devices that might damage adjacent property.

D Measurement

The department will measure Removing Existing Water Main (B-99-950) by the linear foot, acceptably completed, measured along the centerline of water main that is attached to the existing bridge structure.

E Payment
Supplement standard spec 204.5 to include the following:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.114	Removing Existing Water Main (B-99-950)	LF

Payment for removing existing water main (B-99-950) is full compensation for submitting a removal, debris containment and clean-up plan; for minimizing debris entering the river; for breaking down, removing, closing, plugging, or sealing the pipes; for removing and disposing of all materials; for obtaining any required work permits; for hauling and disposing of materials; for restoring the site of the work; for furnishing all debris removal and clean-up of the worksite and river.

If the asbestos testing indicates the presence of ACM, the asbestos removal/remediation will be coordinated by the department or paid for as extra work.

61. Transporting Traffic Signal and Intersection Lighting Materials USH 45 and STH 28, Item SPV.0105.001.

A Description
This special provision describes the transporting of department furnished materials for traffic signals and intersection lighting.

B Materials
Transport materials furnished by the department including: Anchor rods, monotube arms/poles and luminaire arms (to be installed on monotube assemblies), and required pole assembly hardware.

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

Provide all other needed materials in conformance with standard spec 651.2, 652.2, 653.2, 654.2, 655.2, 656.2, 657.2, 658.2 and 659.2.

C (Vacant)

D Measurement
The department will measure Transporting Traffic Signal and Intersection Lighting Materials USH 45 and STH 28 as a single lump sum unit of work in place and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.001	Transporting Traffic Signal and Intersection Lighting Materials USH 45 and STH 28	LS

Payment is full compensation for transporting the anchor rods, monotube poles/arms and luminaire arms (to be installed on monotubes) and unloading at the project site. Installation of these materials is included under a separate pay item.

62. Remove Traffic Signals USH 45 and STH 28, Item SPV.0105.002.

A Description

This special provision describes removing existing traffic signals at the intersection of USH 45 and STH 28 in accordance to the pertinent provisions of standard spec 204 and as hereinafter provided. Specific removal items are noted in the plans.

B (Vacant)

C Construction

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

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the removal of the traffic signals. Complete the removal work as soon as possible following shut down of this equipment.

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

Remove all standards and poles per plan from their concrete footings and disassemble out of traffic. Remove the transformer bases from each pole. Remove the signal heads, emergency vehicle preemption heads (evp), mast arms, luminaires, wiring/cabling, and traffic signal mounting devices from each signal standard, arm or pole. Ensure that all access hand hole doors and all associated hardware remain intact. Dispose of the underground signal cable, internal wires and street lighting cable off the state right-of-way. Deliver the remaining materials to the West Allis Electrical Service Facility at 935 South 60th Street, West Allis, Milwaukee County. Contact the department's Electrical Field Unit at (414) 266-1170 at least three working days prior to delivery to make arrangements.

DOT forces shall remove the signal cabinet from the footing. The signal cabinet and associated signal cabinet equipment will be removed from the site by DOT forces and will remain the property of the department.

D Measurement
The department will measure Remove Traffic Signals as a single lump sum unit of work for each intersection, acceptably completed.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.002	Remove Traffic Signals USH 45 and STH 28	LS

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

63. Remove Loop Detector Wire and Lead-in Cable, USH 45 and STH 28, Item SPV.0105.003.

A Description
This special provision describes removing loop detector wire and lead-in cable at the Intersection of USH 45 and STH 28. Removal will be in accordance to standard spec 204, as shown in the plans, and as hereinafter provided.

B (Vacant)

C Construction
Notify the department's Electrical Field Unit at (414) 266-1170 at least three working days prior to the removal of the loop detector wire and lead-in cable.

Remove and dispose of detector lead-in cable including loop wire for abandoned loops off the right-of-way.

D Measurement
The department will measure Remove Loop Detector Wire and Lead-in Cable as a single lump sum unit of work for each intersection, acceptably completed.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.003	Remove Loop Detector Wire and Lead in Cable, USH 45 and STH 28	LS

Payment is full compensation for removing, scrapping, and disposing of material and incidentals necessary to complete the contract work.

64. Install State Furnished Traffic Signal Cabinet USH 45 and STH 28, Item SPV.0105.004.

A Description

This special provision describes the transporting and installing of the furnished traffic signal cabinet, signal controller, and other cabinet equipment for traffic signals, and for making the cabinet fully operational as shown in the plans.

B Materials

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

Provide all other needed materials in conformance with standard spec 651.2, 652.2, 653.2, 654.2, 655.2, 656.2, 657.2, 658.2 and 659.2.

C Construction

Perform work in accordance to standard spec 651.3, 652.3, 653.3, 654.3, 655.3, 656.3, 657.3, 658.3 and 659.3 except as specified below.

Install the state supplied traffic signal cabinet on the concrete control cabinet base the same day it is transported from the department's Electrical Shop to the site location.

The department will not be responsible for project delays and costs due to the delays of delivery by the vendor or by the failure of the traffic signal cabinet to pass acceptance testing.

Make the traffic signal cabinet, signal controller, and all cabinet equipment fully operational to run all operations shown on the sequence of operations plan sheet.

D Measurement

The department will measure Install Vendor Supplied Traffic Signal Cabinet [Location] as a single lump sum unit of work in place and acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.004	Install Vendor Supplied Traffic Signal Cabinet USH 45 and STH 28	LS

Payment is full compensation for transporting, installing, and testing the Traffic Signal Cabinet and cabinet equipment; for furnishing and installing all other items necessary (such as, wire nuts, splice kits and/or connectors, tape, insulating varnish, ground lug fasteners, etc.) to make the proposed system complete from the source of supply to the most remote unit; and for clean-up and waste disposal.

65. Wildlife Eco -Passage, Item SPV.0105.005.

A Description

This special provision describes the installation of a Wildlife Eco-Passage under B-66-184. The Wildlife Eco-Passage shall be located along the east abutment of the aforementioned structure carrying STH 28 over the W. Milwaukee River.

This work shall be in accordance to the pertinent provisions of the standard specifications, as hereinafter identified and modified.

B Material

Furnish durable quarry stone that is sound, hard, dense, resistant to the action of air and water, and free of seams, cracks or other structural defects. Use stone pieces that are flat, round or rectangular in shape, 12” to 24” across, and minimum of 7” thick.

The mortar shall be air entrained and conform to Section 518 Mortar Rubble Masonry.

C Construction

Mortar shall be placed 4” atop 6” compacted Base Aggregate Dense 1 ¼-Inch.

Place stones flat in mortar so that 3” to 4” of the stone protrudes from the top of the mortar. Stones shall be placed randomly to provide 6” spacing between stones.

D Measurement

The department will measure Wildlife Eco-Passage, completed in accordance to the contract and accepted, as a single lump sum unit of work.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.005	Wildlife Eco-Passage	LS

Payment is full compensation for site preparation; furnishing, placing and finishing all materials.

66. Railing Steel Type C3 Galvanized R-66-31, Item SPV.0105.006.

A Description

This special provision describes fabricating, galvanizing, painting and installing railing in accordance to standard spec 506, 513 and 517 and the plan details, as directed by the engineer, and as hereinafter provided.

B Materials

All materials for railing shall be new stock, free from defects impairing strength, durability and appearance. Railing assemblies shall be galvanized and receive a two-coat paint system. Bubbles, blisters and flaking in the coating will be a basis for rejection.

B.1 Coating System

B.1.1 Galvanizing

After fabrication, blast clean steel railing assemblies per SSPC-SP6 and galvanize according to ASTM A123. Vent holes shall be drilled in members as required to facilitate galvanizing and drainage. Location and size of vent holes are to be shown on the shop drawings. All burrs at component edges, corners and at holes shall be removed and sharp edges chamfered before galvanizing. Condition any thermal cut edges before blast cleaning by shallow grinding or other cleaning to remove any hardened surface layer. Remove all evident steel defects exposed in accordance to AASHTO M 160 prior to blast cleaning. Lumps, projections, globules, or heavy deposits of galvanizing, which will provide surface conditions that when painted, will produce unacceptable aesthetic and/or visual qualities, will not be permitted.

B.1.2 Two-Coat Paint System

After galvanizing, paint all exterior surfaces of steel railing assemblies and inside of rail elements at field erection and expansion joints as hereinafter provided. All galvanized surfaces to be painted shall be cleaned per SSPC-SP1 to remove chlorides, sulfates, zinc salts, oil, dirt, organic matter and other contaminants. The cleaned surface shall then be brush blast cleaned per SSPC-SP16 to create a slight angular surface profile per manufacturer's recommendation for adhesion of the tie coat. Blasting shall not fracture the galvanized finish or remove any dry film thickness. After cleaning, apply a tie coat from an approved coating system that is specifically intended to be used on a galvanized surface, per manufacturer's recommendations. The tie coat shall etch the galvanized rail and prepare the surface for the top coat. Apply a top coat per manufacturer's recommendations, matching the specified color shown on the plans. Use a preapproved top coat that is resistant to the effects of the sun and is suitable for a marine environment. The tie and top coats should be of contrasting colors, and come from the same manufacturer.

Ensure that the paint manufacturer reviews the process to be used for surface preparation and application of the paint coating system with the paint applier. The review shall include a visit to the facility performing the work if requested by the paint manufacturer. Provide written confirmation, from the paint manufacturer to the engineer, that the review has taken place and that issues raised have been addressed before beginning coating work under the contract.

Use one of the qualified paint manufacturers and products given below. An equivalent system may be used with the written approval of the engineer.

Manufacturer	Coat	Products	Dry Film Minimum Thickness (mils)	Min. Time[1] Between Coats (hours)
Sherwin Williams 1051 Perimeter Drive Suite 710 Schaumburg, IL 60173 (847) 330-1562	Tie	Recoatable Epoxy Primer B67-5 Series / B67V5	2.0 to 4.0	6
	Top	Acrolon 218 HS Polyurethane, B65-650	2.0 to 4.0	NA
Carboline 350 Hanley Industrial St. Louis, MO 63144 (314) 644-1000	Tie	Rustbond Penetrating Sealer FC	1	36
	Tie	Carboguard 60	4.0 to 6.0	10
	Tie	Carboguard 635	4.0 to 6.0	1
	Top	Carbothane 133 LH(satin)	4	NA
Wasser Corporation 4118 B Place NW Suite B Auburn, WA 98001 (253) 850-2967	Tie	MC-Ferrox B 100	3.0 to 5.0	8
	Top	MC-Luster 100	2.0 to 4.0	NA
PPG Protective and Marine Coatings P.O. Box 192610 Little Rock, AR 72219-2610 (414) 339-5084	Tie	Amercoat 399	3.0 to 5.0	3
	Top	Amercoat 450H	2.0 to 4.0	NA

[1] Time is dependent on temperature and humidity. Contact manufacturer for more specific information.

B.2 Shop Drawings
Submit shop drawings showing the details of railing construction. Show the railing height post spacing, rail location, weld sizes and locations and all dimensions necessary for the construction of the railing. Show location of shop rail splices, field erection joints and expansion joints. State the name of the paint manufacturer and the product name of the tie coat and top coat used along with the color. State the size and material type used for all components. Also show the size and location of any vent or drainage holes provided.

C Construction
C.1 Delivery, Storage and Handling
Deliver material to the site in an undamaged condition. Upon receipt at the job site, all materials shall be thoroughly inspected to ensure that no damage occurred during shipping or handling and conditions of materials is in conformance with these specifications. If coating is damaged, contractor shall repair or replace railing assemblies to the approval of the engineer at no additional cost to the Owner. Carefully store the material off the ground to ensure proper ventilation and drainage. Exercise care so as not to damage the coated surface during railing installation. No field welding, field cutting or drilling will be permitted without the approval of the engineer.

C.2 Touch-up and Repair
For minor damage caused by shipping, handling or installation to coated surfaces, touch-up the surface in conformance with the manufacturer's recommendations. If damage is excessive, the railing assembly shall be replaced at no additional cost to the Owner. The contractor shall provide the engineer with a copy of the manufacturer's recommended repair procedure and materials before repairing damaged coatings.

D Measurement
The department will measure Railing (Tubular/Steel) (Type) Galvanized B-66-184 as a single lump sum unit of work for each structure where railing is acceptably complete.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.006	Railing Steel Type C3 Galvanized B-66-184	LS

Payment is full compensation for fabricating, galvanizing, painting, transporting, and installing the railing, including any touch-up and repairs.

67. WE Energies Gas Main Removal Structure B-66-950, Item SPV.0105.007.

A Description
Remove and dispose of abandoned gas main and hangers from the existing bridge deck, the total length of the bridge, from front face of abutment to front face of abutment.

B (Vacant)

C Construction
The existing gas main is to be abandoned by WE Energies. The contractor shall coordinate with WE Energies prior to the removal and disposal of abandoned gas main and hangers on the existing bridge deck to confirm WE Energies has completed their necessary work.

Contact Info:
Field Contact
Paul Osmanski
500 S. 116th Street
West Allis, WI 53214
Phone: (414)-944-5796
Cell: (414)-315-1278

D Measurement
The department will measure WE Energies Gas Main Removal (Structure) as a single complete 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.0105.007	WE Energies Gas Main Removal Structure B-66-950	LS

Payment is full compensation for removing and disposing of the abandoned gas main and hangers.

68. Railing Steel Type C3 Galvanized B-66-184, Item SPV.0105.008.

A Description
This special provision describes fabricating, galvanizing, painting and installing railing in accordance with standard spec 506, 513 and 517 and the plan details, as directed by the engineer, and as hereinafter provided.

B Materials
All materials for railing shall be new stock, free from defects impairing strength, durability and appearance. Railing assemblies shall be galvanized and receive a two-coat paint system. Bubbles, blisters and flaking in the coating will be a basis for rejection.

B1 Coating System

B1.1 Galvanizing

After fabrication, blast clean steel railing assemblies per SSPC-SP6 and galvanize according to ASTM A123. Vent holes shall be drilled in members as required to facilitate galvanizing and drainage. Location and size of vent holes are to be shown on the shop drawings. All burrs at component edges, corners and at holes shall be removed and sharp edges chamfered before galvanizing. Condition any thermal cut edges before blast cleaning by shallow grinding or other cleaning to remove any hardened surface layer. Remove all evident steel defects exposed in accordance to AASHTO M 160 prior to blast cleaning. Lumps, projections, globules, or heavy deposits of galvanizing, which will provide surface conditions that when painted, will produce unacceptable aesthetic and/or visual qualities, will not be permitted.

B1.2 Two-Coat Paint System

After galvanizing, paint all exterior surfaces of steel railing assemblies and inside of rail elements at field erection and expansion joints as hereinafter provided. All galvanized surfaces to be painted shall be cleaned per SSPC-SP1 to remove chlorides, sulfates, zinc salts, oil, dirt, organic matter and other contaminants. The cleaned surface shall then be brush blast cleaned per SSPC-SP16 to create a slight angular surface profile per manufacturer's recommendation for adhesion of the tie coat. Blasting shall not fracture the galvanized finish or remove any dry film thickness. After cleaning, apply a tie coat from an approved coating system that is specifically intended to be used on a galvanized surface, per manufacturer's recommendations. The tie coat shall etch the galvanized rail and prepare the surface for the top coat. Apply a top coat per manufacturer's recommendations, matching the specified color shown on the plans. Use a preapproved top coat that is resistant to the effects of the sun and is suitable for a marine environment. The tie and top coats should be of contrasting colors, and come from the same manufacturer.

Ensure that the paint manufacturer reviews the process to be used for surface preparation and application of the paint coating system with the paint applier. The review shall include a visit to the facility performing the work if requested by the paint manufacturer. Provide written confirmation, from the paint manufacturer to the engineer, that the review has taken place and that issues raised have been addressed before beginning coating work under the contract.

Use one of the qualified paint manufacturers and products given below. An equivalent system may be used with the written approval of the engineer.

Manufacturer	Coat	Products	Dry Film Minimum Thickness (mils)	Min. Time[1] Between Coats (hours)
Sherwin Williams 1051 Perimeter Drive Suite 710 Schaumburg, IL 60173 (847) 330-1562	Tie	Recoatable Epoxy Primer B67-5 Series / B67V5	2.0 to 4.0	6
	Top	Acrolon 218 HS Polyurethane, B65-650	2.0 to 4.0	NA
Carboline 350 Hanley Industrial St. Louis, MO 63144 (314) 644-1000	Tie	Rustbond Penetrating Sealer FC	1	36
	Tie	Carboguard 60	4.0 to 6.0	10
	Tie	Carboguard 635	4.0 to 6.0	1
	Top	Carbothane 133 LH(satin)	4	NA
Wasser Corporation 4118 B Place NW Suite B Auburn, WA 98001 (253) 850-2967	Tie	MC-Ferrox B 100	3.0 to 5.0	8
	Top	MC-Luster 100	2.0 to 4.0	NA
PPG Protective and Marine Coatings P.O. Box 192610 Little Rock, AR 72219-2610 (414) 339-5084	Tie	Amercoat 399	3.0 to 5.0	3
	Top	Amercoat 450H	2.0 to 4.0	NA

[1] Time is dependent on temperature and humidity. Contact manufacturer for more specific information.

B2 Shop Drawings

Submit shop drawings showing the details of railing construction. Show the railing height post spacing, rail location, weld sizes and locations and all dimensions necessary for the construction of the railing. Show location of shop rail splices, field erection joints and expansion joints. State the name of the paint manufacturer and the product name of the tie coat and top coat used along with the color. State the size and material type used for all components. Also show the size and location of any vent or drainage holes provided.

C Construction

C1 Delivery, Storage and Handling

Deliver material to the site in an undamaged condition. Upon receipt at the job site, all materials shall be thoroughly inspected to ensure that no damage occurred during shipping or handling and conditions of materials is in conformance with these specifications. If coating is damaged, Contractor shall repair or replace railing assemblies to the approval of the Engineer at no additional cost to the Owner. Carefully store the material off the ground to ensure proper ventilation and drainage. Exercise care so as not to damage the coated surface during railing installation. No field welding, field cutting or drilling will be permitted without the approval of the Engineer.

C2 Touch-up and Repair

For minor damage caused by shipping, handling or installation to coated surfaces, touch-up the surface in conformance with the manufacturer's recommendations. If damage is excessive, the railing assembly shall be replaced at no additional cost to the Owner. The Contractor shall provide the Engineer with a copy of the manufacturer's recommended repair procedure and materials before repairing damaged coatings.

D Measurement

The department will measure Railing (Tubular/Steel) (Type) Galvanized B-66-184 as a single lump sum unit of work for each structure where railing is acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.008	Railing Steel Type C3 Galvanized B-66-184	LS

Payment is full compensation for fabricating, galvanizing, painting, transporting, and installing the railing, including any touch-up and repairs.

69. Directional Bore SDR 11 HDPE Water Main, Item SPV.0105.100.

A Description

Furnish and Install directional bored water main under the Milwaukee River as shown on the plans and as hereinafter provided.

B Materials

Provide water system materials that are in conformance to the Village of Kewaskum Specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin. Backfill materials shall be in accordance to standard spec 209.

Provide 12-inch SDR 11 HDPE water main and fittings as required to complete the directional boring including polyethylene MJ adaptor and MJ reducer required to connect to 10-inch DR-18 C-900 PVC water main.

Prior to incorporating any materials or products into the work, submit to the engineer and village water utility representatives product literature and catalog cuts of the materials being supplied. Submit sufficient detail to readily determine if these materials are in conformance with the required specifications.

Any fittings or components used in the potable water system shall be stamped 'NL' and meet all Federal no-lead provisions.

C Construction

Directional bore 12-inch SDR 11 HDPE water main under the Milwaukee River bed in the approximate location as shown on the plan. Provide the Village of Kewaskum and the engineer a copy of the proposed boring details prior to construction for their approval, including proposed vertical and horizontal alignment, locations and elevations for the water valve manhole, bends, valves and boring pits. Trenching, backfilling and compaction to be completed in accordance to standard spec 607.

Install #10 AWG copper tracer wire to all water main pipe. Attach tracer wire to pipe three times for each pipe length. Ground tracer wire to all valves, manholes and fittings.

Perform all water system construction in conformance to the Village of Kewaskum specifications and to the Standard Specifications for Sewer and Water Construction in Wisconsin.

D Measurement

The department will measure Directional Bore SDR 11 HDPE Water Main as a single complete 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.0105.100	Directional Bore SDR HDPE Water Main	LS

Payment is full compensation for providing all equipment, labor, tools, special fittings, materials and incidentals required to construct a 12-inch HDPE water main under the Milwaukee River bed connected to 10-inch DR-18 C-900 PVC water main; for furnishing all excavating except for rock excavation; for sheeting, shoring and dewatering; for backfilling and compacting; for providing granular backfill and bedding stone; for removing sheeting and shoring; for submitting a proposed directional boring detail to the village and to the engineer; and for restoring the site of the work.

70. Duplex Grinder Pump Station, Item SPV.0105.101.

A Description

Furnish and install duplex grinder pump station as shown in the plans including all components, fittings and incidentals required for a complete working pump station in accordance to the Village of Kewaskum specifications and as hereinafter provided.

B Materials

Provide Environment One (E/One) Type DH152 pump station with Sentry Protect PLUS alarm panel including integral main service disconnect, generator receptacle, automatic transfer switch, parking lot light fixture and base, equipment mounting structure, electrical service, meters, panels, circuit breakers, switches and components.

Upper drywell section shall be supplied with a stainless steel band clamp for field adjustment according to equipment manufacturer's recommendations by the contractor to the top elevation shown in the plans. Provide a concrete ballast block per the equipment manufacturer's recommendations. Provide all additional components, fittings and incidentals required as shown on the plans.

Provide sanitary sewer materials that are in conformance to the village of Kewaskum Specifications. Backfill and compact excavated areas with granular backfill meeting the requirements of standard spec 209.

B.1 Shop Drawings

Prior to incorporating any materials or products into the work, submit to the engineer and village sewer system representatives product literature and catalog cuts of the materials being supplied. Submit sufficient detail to readily determine if these materials are in conformance with the required specifications. Submit detail also showing manhole structure depth and location for approval by the engineer. Provide O/M material and warranty information to the Village of Kewaskum.

C Construction

C.1 Applicable Specifications

Perform all sewer system construction in conformance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin. Excavation, trenching, and backfilling shall be completed in accordance to the requirements of standard spec 611.

Provide manufacturer's standard factory testing, startup, and field testing services and coordinate these activities with the Village of Kewaskum.

New duplex grinder pump work operations shall be completed and accepted by the village prior to beginning demolition of the existing lift station. Coordinate the scheduling for the new duplex grinder pump work with the village so that they can schedule the demolition of the existing lift station top, pumps and electrical components. Furnish a tank wrench to the Village of Kewaskum suitable for the pumps specified.

D Measurement

The department will measure Duplex Grinder Pump Station as a single complete lump sum unit of work, acceptably completed and approved by the Village of Kewaskum.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.101	Duplex Grinder Pump Station	LS

Payment is full compensation for furnishing and installing all equipment, labor, tools, materials and incidentals required for a complete working pump station; for factory testing, startup and field testing; for proving O/M and warranty documents; for furnishing a tank wrench to the village; for furnishing all excavating except for rock excavation; for forming foundation; for replacing unstable material in the trench bottom; for sheeting, shoring and dewatering; for providing and compacting granular backfill and stone bedding material; for removing sheeting and shoring and for restoring the site of the work.

71. Construction Staking Miscellaneous City Utilities, Item SPV.0105.102.

A Description
Perform construction staking as required for city utilities including the water system and the sanitary sewer system including the lift station.

B (Vacant)

C Construction
Perform the work in accordance to standard spec 650, and as specified below.

Set and maintain construction stakes or marks as necessary to achieve the required accuracy and to support the method of operations. Locate stakes to within 0.02 feet horizontally and establish the elevations to within 0.02 feet vertically. Determine that the proposed elevations shown on the plan at match points to existing city utilities match field conditions and provide this information to the engineer a minimum of 14 calendar days before ordering manholes.

D Measurement
The department will measure Construction Staking Miscellaneous City Utilities as a single lump sum unit for combined 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.0105.102	Construction Staking Miscellaneous City Utilities	LS

Payment is full compensation for locating and setting all construction stakes; and for relocating and resetting damaged or missing construction stakes.

The department will not make final payment for any staking item until the contractor submits all survey notes used to establish the required lines and grades to the engineer within 21 days of completing this work. The department will deduct from payments due the contractor for the additional costs specified in standard spec 105.6.

72. Wall Concrete Panel Mechanically Stabilized Earth LRFD, Item SPV.0165.001.

A Description

This special provision describes designing, furnishing materials and erecting a permanent earth retention system in accordance to the lines, dimension, elevations and details as shown on the plans and provided in the contract. The design life of the wall and all wall components shall be 75 years minimum.

B Materials

B.1 Proprietary Mechanically Stabilized Earth Concrete Panel Wall Systems

The supplied wall system must be from the department's approved list of Concrete Panel Mechanically Stabilized Earth Wall systems (Concrete Panel MSE Walls).

Proprietary wall systems may be used for this work, but must conform to the requirements of this specification and be pre-approved for use by the department's Bureau of Structures, Structures Design Section. The department maintains a list of pre-approved Concrete Panel Mechanically Stabilized Earth Wall systems. To be eligible for use on this project, a system must have been pre-approved and added to that list prior to the bid opening date. The name of the pre-approved proprietary wall system selected shall be furnished to the engineer within 25 days after the award of contract. The location of the plant manufacturing the concrete panels shall be furnished to the engineer at least 14 days prior to the start of panel production.

To receive pre-approval, the retaining wall system must comply with all pertinent requirements of this provision. Applications for pre-approval may be submitted at any time. Applications must be prepared in accordance to the requirements of Chapter 14 of the department's LRFD Bridge Manual. Information and assistance with the pre-approval process can be obtained by contacting the Structures Design Section in Room 601 of the Hill Farms State Transportation Building in Madison or by calling (608) 266-8494.

B.2 Design Requirements

It is the responsibility of the contractor to supply a design and supporting documentation as required by this special provision, for review by the department, to show the proposed wall design is in compliance with the design specifications.

The plans and shop drawings shall be prepared on reproducible sheets 11 inch x 17 inch, including borders. Each sheet shall have a title block in the lower right corner. The title block shall include the project identification number and structure number. Design calculations and notes shall be on 8 ½ inch x 11 inch sheets, and shall contain the project identification number, name or designation of the wall, date of preparation, initials of designer and checker, and page number at the top of the page. All plans, shop drawings,

and calculations shall be signed, sealed and dated by a professional engineer licensed in the State of Wisconsin.

The design of the Concrete Panel MSE wall shall be in compliance with the *AASHTO LRFD Bridge Design Specifications 5th Edition 2010*, (AASHTO LRFD) with latest interim specifications for Mechanically Stabilized Earth Walls, WisDOT's current *Standard Specifications for Highway and Structure Construction* (Standard Specifications), Chapter 14 of the WisDOT LRFD Bridge Manual and standard engineering design procedures as determined by the department. Loads, load combinations, load and resistance factors shall be as specified in AASHTO LRFD Section 11. The associated resistance factors shall be defined in accordance to Table11.5.6-1 LRFD.

Design and construct the walls in accordance to the lines, grades, heights and dimensions shown on the plans, as herein specified, and as directed by the engineer. Where wall or wall sections intersect with an included angle of 130 degrees or less, a vertical corner element separate from the standard panel face shall abut and interact with the opposing standard panels. The corner element shall have ground reinforcement connected specifically to that panel and shall be designed to preclude lateral spread of the intersecting panels. If the wall is installed in front of a bridge abutment or wing, it shall also be designed to resist the applied abutment/bridge lateral forces specified on the contract plans.

Walls parallel to supporting highway traffic shall be designed for the effects of highway surcharge loading equivalent of 2 feet soil surcharge weight or 240 psf. The design shall also consider the traffic barrier impact where applicable. Walls that do not carry highway traffic shall be designed for a live load surcharge of 100 psf in accordance to Chapter 14 of the WisDOT LRFD Bridge Manual or as stated on the plans.

A maximum value of the angle of internal friction of the wall backfill material used for design shall be assumed to be 30 degrees without a certified report of tests. If a certified report of tests yields an angle of internal friction greater than 30 degrees, the larger test value may be used for design, up to a maximum value of 36 degrees.

An external stability check at critical wall stations showing Capacity Demand Ratios (CDR) for sliding, eccentricity, and bearing checks is performed by the department and are provided on the wall plans.

The design of the Concrete Panel Mechanically Stabilized Earth wall by the contractor shall consider the internal and compound stability of the wall mass in accordance to AASHTO LRFD 11.10.6. The internal stability shall include soil reinforcement pullout, soil reinforcement rupture, and panel-reinforcement connection failure at each soil reinforcement level. The design shall be performed using the Simplified Method or Coherent Gravity Method. Calculations for factored stresses and resistances shall be based upon assumed conditions at the end of the design life. Compound stability shall be computed for the applicable strength limits.

Facing panels shall meet the design requirements of AASHTO LRFD 11.10.2.3. The Facing panels shall also be designed to resist compaction stresses that occur during the wall erection. The minimum thickness of the Facing panel shall be 5.5 inches. The surface area of a standard single panel cannot exceed 60 square feet. The maximum height of a standard panel shall be 5 feet. The top and bottom panels may exceed 5 foot in height based on site topography subject to the approval by the Structures Design Section. The design of the steel reinforcement within the panels shall be based on one-way bending action. Design the wall panels and joints between panels to accommodate a maximum differential settlement of 1 foot over a 100-foot length, unless the plans indicate other.

The minimum length of soil reinforcement measured from the back face of the wall shall be equal to 0.7 the wall height or as shown on the plan. In no case shall this length be less than 8 feet. The soil reinforcement length shall be the same from the bottom to the top of the wall. The soil reinforcement shall extend a minimum of 3.0 feet beyond the theoretical failure plane in all cases. The maximum vertical spacing of soil reinforcement layers shall be 31 inches. The uppermost layer of the reinforcement shall be located between 6 inches and 18 inches below the bottom of an overlying slab, footing or top of the wall. The upper layers of the soil reinforcement shall also be checked to verify that they have sufficient tensile resistance against traffic barrier impact where applicable.

All soil reinforcement steel required for the reinforced soil zone shall be connected to the face panels. The reinforcement and the reinforcement/facing connection strength shall be designed to resist maximum factored reinforcement loads in accordance to AASHTO LRFD Section 11.10.6. Facing connection strength shall be defined as the resistance factor times the failure load or the load at 0.5 inch deformation times 0.9, whichever is less. The nominal long term design strength in steel reinforcement and connections shall be based upon assumed conditions at the end of the design life.

Soil reinforcement shall be prefabricated into single or multiple elements before galvanizing. Soil reinforcement shall be fabricated or designed to avoid piling, drainage structures or other obstacles in the fill without field modifications. Cutting or altering of the basic structural section of either the strip or grid at the site is prohibited unless approved by the Structures Design Section. A minimum clearance of 3” shall be maintained between any obstruction and reinforcement unless otherwise approved. Splicing steel reinforcement is not allowed unless approved by the Structures Design Section.

MSE facing panels shall be installed on concrete leveling pads. The minimum cross section of the leveling pad shall be 6-inches deep by 1-foot wide. Potential depth of frost penetration at the wall location shall not be considered in designing the wall for depth of leveling pad.

Submit the following to the engineer for review: complete design calculations, explanatory notes, supporting materials, specifications, and detailed plans and shop drawings for the proposed wall system. Sample analyses and hand output shall be submitted to verify the output by the software. The design calculations and notes shall clearly indicate the Capacity to Demand Ratios (CDR) for all internal stabilities as defined in AASHTO LRFD.

The wall submittal package shall be submitted electronically to the engineer and Structures Design Section. Submit all required information no later than 30 days prior to beginning construction of the wall. The detailed plans and shop drawings shall include all details, dimensions, quantities and cross-sections necessary to construct the walls.

B.3 Wall System Components

Materials furnished for wall system components under this contract shall conform to the requirements of this specification. All certifications related to material and components of the wall systems specified in this subsection shall be submitted to the engineer.

B.3.1 General

The walls shall have modular precast concrete face panels produced by a wet cast process, and have cast-in-place concrete pads or footings. The concrete panels shall have a minimum strength of 4000 psi at 28 days. The concrete for the panels shall be air-entrained, with an air content of 6% +/- 1.5%. All materials for the concrete mixture for the panels shall meet the requirements of standard spec 501. Steel reinforcing within the panels shall conform to standard spec 505. The panel edges shall be configured so as to conceal the joints. The detail shall be a shiplap, tongue and groove or other detail adequate to prevent vandalism or ultraviolet light damage to the backside of the wall joint covering. Joints between panels shall be no more than 0.75 inch. Use full wall height slip joints at points of differential settlement when detailed on the plan. Horizontal joints must be provided with a compressible bearing material to prevent concrete to concrete contact.

A minimum of two bearing pads shall be used per panel. The allowable bearing stress shall not exceed 900 psi. The bearing pads shall be either preformed EPDM rubber conforming to ASTM D-2000, Grade 2, Type A, Class A with a minimum Durometer Hardness of 80 or high- density polyethylene pads with a minimum density of 0.034 lb/in^3 in accordance to ASTM 1505.

An 18-inch wide geotextile shall be used on the backface of the wall panels to cover all panel joints. The geotextile shall meet the physical requirements stated in standard spec 645.2.4 for Geotextile Fabric, Type DF, Schedule B, except that the grab tensile strength shall be a minimum of 180 pounds in both the machine and cross-machine directions. The geotextile shall be attached with a standard construction adhesive suitable for use on concrete surfaces and cold temperatures. The adhesive shall be applied to the panels, not to the geotextile.

All steel portions of the wall system exposed to earth shall be galvanized. All soil reinforcement and attachment devices shall be carefully inspected to ensure they are true size and free from defects that may impair the strength and durability.

For cast in place sections of cap and coping, use poured concrete masonry Grade A, A-FA, A-S, A-T, A-IS or A-IP air-entrained concrete conforming to standard spec 501 as modified in standard specification standard spec 716. Provide QMP for cast in place cap and coping concrete as specified in standard specification standard spec 716, Class II Concrete. Steel reinforcing within the cast in place elements shall conform to standard spec 505.

Use a wall leveling pad that consists of poured concrete masonry , Grade A, A-FA, A-S, A-T,A-IS or A-IP concrete conforming to standard spec 501 as modified in standard spec 716. Provide QMP for leveling pad concrete as specified in standard spec 716.

The minimum embedment to the top of the leveling pad shall be 1 foot 6 inches or as given on the plan or given in AASHTO LRFD 11.10.2.2 whichever is greater. Step the leveling pad to follow the general slope of the ground line. The leveling pad's steps shall keep the bottom of the wall within one half the panel heights of the minimum embedment i.e. the minimum embedment plus up to one half the height of one panel. Additional embedment may be detailed by the contractor but will not be measured for payment.

B.3.2 Backfill

Furnish and place backfill for mechanically stabilized earth concrete panel walls as shown on the plans and as hereinafter provided.

Provide and use backfill that consists of natural sand or a mixture of sand with gravel, crushed gravel or crushed stone. It shall not contain recycled or milled asphalt, recycled concrete, foundry sand, bottom ash, blast furnace slag or other potentially corrosive material.

Provide material conforming to the following gradation requirements as per AASHTO T27.

Sieve Size	Percentage by Weight Passing
1 inch	100
No. 40	0 - 60
No. 200	0 - 15

The material shall have a liquid limit not greater than 25, as per AASHTO T89, and a plasticity index not greater than 6, as per AASHTO T90. Provide the percent by weight, passing the #4 sieve.

In addition, backfill material shall meet the following requirements.

Test	Method	Value
pH	AASHTO T-289	5 – 10.0
Sulfate content	AASHTO T-290	200 ppm max.
Chloride content	AASHTO T-291	100 ppm max.
Electrical Resistivity	AASHTO T-288	3000 ohm/cm min.
Organic Content	AASHTO T-267	1.0% max.
Angle of Internal Friction	AASHTO T-236*	30 degrees min. (At 95.0% of maximum density and optimum moisture, per AASHTO T99, or as modified by C.2.)

*If the amount of P-4 material is greater than 60%, use AASHTO 236 with a standard-size shear box. Test results of this method may allow the use of larger angles of internal friction, up to the maximum allowed by this specification.

If the amount of P-4 material is less than or equal to 60%, two options are available to determine the angle of internal friction. The first method is to perform a fractured faces count, per ASTM 5821, on the P-4 material. If more than 90% of the material is fractured on one face and more than 50% is fractured on two faces, the material meets the specifications and the angle of internal friction can be assumed to be 30 degrees. The second method allows testing all P-1" material, as per AASHTO T-236, with a large shear box. Test results of this second method may allow the use of larger angles of internal friction, up to the maximum allowed by this specification.

Prior to placement of the backfill, obtain and furnish to the engineer a current certified report of test results that the backfill material complies with the requirements of this specification. Specify the method used to determine the angle of internal friction. This certified report of test shall be less than 6 months old. Tests will be performed by a certified independent laboratory. Additional certified report of tests (except Angle of Internal Friction test), are required for every 2000 cubic yards of backfill used per wall. In addition, when backfill characteristics and/or sources change, a certified report of all tests will be provided for the new backfill material. These additional backfill tests may be completed at the time of material production or material placement, with concurrence of the engineer. Certified report of these test results shall be less than 6 months old.

C Construction

C.1 Excavation and Backfill

Excavation will encompass the preparation of the foundation for the leveling pad and the reinforcing strips in accordance to standard spec 206. The volume of excavation covered is limited to the width of the reinforced mass and to the depth of the leveling pad unless shown or noted otherwise on the plan. At the end of each working day, provide good temporary drainage such that the backfill shall not become contaminated with run-off soil

or water if it should rain. Do not stockpile or store materials or large equipment within 10 feet of the back of the wall.

C.2 Compaction
Compact all backfill behind the wall as specified in standard spec 207.3.6. Compact the backfill to 95.0% of maximum dry density as determined by AASHTO T-99, or as modified as follows. If the gradation of the granular backfill is such that the P-200 material is less than 7% and the P-40 is less than 30%, a one-point Proctor test can be conducted in place of the 5-point Proctor. To complete this one-point test, compact the sample at a moisture content of 6%, then compute the actual (as-tested) sample moisture after completion of the test. Use Method B or D, and perform this test without removing oversize particles and without correction for coarse particles, as per AASHTO T224. The one-point as-tested moisture content represents the optimum moisture, and the measured one-point density represents the maximum wet density of the material. From these values, the maximum dry density can be computed.

Ensure adequate moisture is present in the backfill during placement and compaction to prevent segregation and to help achieve compaction.

Compaction of backfill within 3 feet of the back face of the wall should be accomplished using lightweight compaction devices. Use of heavy compaction equipment or vehicles should be avoided within 3 feet of the panels.

Perform compaction testing on the backfill. When performing nuclear testing, use a nuclear gauge from the department's approved list, ensure that the operator is a HTCP certified Nuclear Density Technician I, and conform to CMM 8.15 for testing and gauge monitoring methods. Conduct testing at a minimum frequency of 1 test per 2 feet of vertical wall height, per 200 feet length of wall, or major portion thereof. At least one test for every 2-foot of vertical wall height is required. Test sites will be selected using ASTM Method D3665. Deliver documentation of all compaction testing results to the engineer at the time of testing. The cost of compaction testing shall be considered incidental to the cost of the wall.

Place and compact the MSE backfill to the level of the next higher layer of MSE reinforcement before placing the MSE reinforcement or connecting it to the wall facing. The MSE reinforcement shall lay horizontally on top of the most recently placed and compacted layer of MSE backfill. Bending of MSE reinforcement that result in a kink in the reinforcement shall not be allowed. If skewing of the reinforcement is required due to obstruction in the reinforced fill, the maximum skew angle shall not exceed 15 degrees from the normal position unless a greater skew angle is shown on the plans. The adequacy of the skewed reinforcement in such a case shall be addressed by supporting calculations.

C.3 Panel Tolerances
As backfill material is placed behind a panel, maintain the panel in its proper inclined position according to the supplier specifications and as approved by the engineer. The supplier shall specify the back batter so that the final position of the wall is vertical.

Vertical tolerances and horizontal alignment tolerances shall not exceed ¾-inch when measured along a 10-foot straight edge. The maximum allowable offset in any panel joint shall be ¾-inch. The overall vertical tolerance of the wall (plumbness from top to bottom) shall not exceed ½-inch per 10 feet of wall height. Erect the precast face panels to ensure that they are located within 1 inch from the contract plan offset at any location to ensure proper wall location at the top of the wall. Provide a ¾-inch joint separation between all adjacent face panels to prevent direct concrete-to-concrete contact. Maintain this gap by the use of bearing pads and/or alignment pins. Failure to meet this tolerance may cause the engineer to require the contractor to disassemble and re-erect the affected portions of the wall. In addition, imperfect molding, honeycombing, cracking or severe chipping of panels shall be cause of panel rejection.

C.4 Geotechnical Information

Geotechnical data to be used in the design of the wall is given on the wall plan. After completing wall excavation of the entire reinforced soil zone, notify the department and allow the Regional Soils Engineer two working days to review the foundation.

D Measurement

The department will measure Wall Concrete Panel Mechanically Stabilized Earth LRFD in area by the square foot, acceptably completed, measured as the vertical area within the pay limits the contract plan show. No other measurement of quantities shall be made in the field. Unless the engineer directs in writing, a change to the limits indicated on the contract plan, wall area constructed above or below these limits will not be measured for payment.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.001	Wall Concrete Panel Mechanically Stabilized Earth LRFD	SF

Payment is full compensation for supplying a design and shop drawings; preparing the site, including all necessary excavation and disposal of materials; supplying all necessary wall components to produce a functional system including cap and copings; constructing the retaining system including the drainage system; providing backfill, backfilling, compacting, performing compaction testing. Parapets, railings, abutment bodies and other items above the wall cap or coping will be paid for separately. Vehicle barrier and its support will be paid separately.

Any required topsoil, fertilizer, seeding or sodding and mulch will be paid for at the contract unit price of topsoil, fertilizer, seeding or sodding and mulch, respectively.

73. Water Main Insulation, Item SPV.0165.100.

A Description
This special provision describes furnishing and installing water main insulation as shown on the plans and as directed by the engineer in accordance to the Village of Kewaskum specifications and as hereinafter provided.

B Materials
Provide extruded polystyrene foam insulation conforming to the requirements of ASTM C-578, in conformance to the Village of Kewaskum Specifications. Insulation shall be a minimum of two-inches thick.

C Construction
C.1 Applicable Specifications
Perform all sewer system construction in conformance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin.

Place foam insulation in all areas where the depth of cover from the finished surface to the top of water main pipe is less than 6-feet in locations as shown on the plan and as directed by the engineer. Insulation shall be placed above the pipe and extend a minimum of 1-foot horizontally beyond the outside wall of the pipe. Place backfill materials over the insulation in such a manner as to prevent any damage to the insulation.

D Measurement
The department will measure Water Main Insulation by the square foot approved by the Village of Kewaskum, and acceptably completed and shall be measured horizontally using the centerline length of pipe that is covered by insulation and the width from outside to outside of insulation, but limited to the width the engineer directs.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.100	Water Main Insulation	SF

Payment is full compensation for providing all equipment, labor, tools, materials and incidentals required; for furnishing all excavating except for rock excavation; for loading, hauling and placing material; for disposal of surplus materials; for restoring the site of the work.

74. Concrete Base 9-Inch Special, Item SPV.0180.100.

A Description
This special provision describes constructing a concrete base for overlaying with new pavement as shown on the plans and as directed by the engineer in accordance with standard spec 320 and as hereinafter modified:

Replace standard spec 320.2 with the following:

Furnish concrete mixture in accordance with standard spec 416.2.5.1.

75. Coarse Aggregate Mix for Stream Bed, Item SPV.0195.001.

A Description

Perform work in accordance to standard spec 606, modified as follows.

Furnish and place the Coarse Aggregate Mix at the locations shown on the plans, or as directed by the engineer.

B Material

Coarse Aggregate Mix Size No. 2 material furnished and used in this work shall be natural, rounded, uncrushed coarse aggregate. The mix shall consist of roughly 75% number 2 stone and 25% 3/8-inch pea gravel, thoroughly mixed. The mix must be approved by the engineer prior to installation.

C Construction

Thoroughly compact the coarse aggregate mix as construction progresses. The finished surface shall present an even, tight surface.

D Measurement

The department will measure Coarse Aggregate Mix for Stream Bed by the tons, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.001	Coarse Aggregate Mix for Stream Bed	TON

Payment is full compensation for site preparation; furnishing, placing shaping coarse aggregate mix.

76. Sanitary Sewer Manholes, Item SPV.0200.100.

A Description

Furnish and install sanitary sewer manholes and manhole castings and covers as shown on the plans in accordance to the Village of Kewaskum specifications and as hereinafter provided.

B Materials

Provide sanitary sewer materials that are in conformance to the Village of Kewaskum Specifications. Backfill excavated areas with slurry backfill in conformance to the Village of Kewaskum specifications.

B.1 Shop Drawings
Prior to incorporating any materials or products into the work, submit to the engineer and village sewer system representatives product literature and catalog cuts of the materials being supplied. Submit sufficient detail to readily determine if these materials are in conformance with the required specifications.

B.2 Manhole Castings
Furnish and install manhole castings 9-inch and covers in accordance to the plan and as follows:

The castings and covers shall meet the dimensions and minimum requirements shown in the plan.

C Construction
C.1 Applicable Specifications
Perform all sewer system construction in conformance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin. Backfilling shall be completed in accordance to the requirements for slurry backfill.

C.2 Maintenance Sanitary Sewer Service
Provide adequate equipment and facilities to provide bypass pumping for all elements of work requiring interruption to flow in the sanitary sewer. The contractor is responsible for damages to private or public property due to sewer backup while controlling sewage flow.

C.3 Cleaning
The contractor is responsible to see that sanitary sewer lines are free at all times of dirt, gravel, and debris resulting from construction operations. The Village of Kewaskum will notify the contractor of any debris identified, and if the contractor fails to properly clean out the debris, the village will charge the contractor for cleaning any of the manholes and sewer lines on this project during construction and until final acceptance of the improvements. Upon completion of the work, ensure that any debris in the manholes or pipe deposited as a result of this project has been removed prior to leaving the construction site.

D Measurement
The department will measure Sanitary Sewer Manholes by the vertical foot approved by the Village of Kewaskum, and acceptably completed and shall be measured from the flowline or invert of the outflowing pipe to the top of the finished manhole rim.

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0200.100	Sanitary Sewer Manholes	VF

Payment is full compensation for providing all equipment, labor, tools, materials and incidentals required; for maintaining sanitary sewer service; for furnishing and installing manhole castings and covers; for connections to existing pipe; for providing materials including precast manhole sections, flat top sections, base, cone, and adjustment rings, steps, waterstops, couplings, boots, and other required fittings; for furnishing all excavating except for rock excavation; for forming foundation; for replacing unstable material in the trench bottom; for sheeting, shoring and dewatering; for providing, placing and compacting stone bedding material and slurry backfill; for removing sheeting and shoring and for restoring the site of the work.

77. Water Valve Manhole A, Item SPV.0200.101.

A Description

Furnish and install water valve manhole and manhole casting and cover as shown on the plans including the valve, 1-inch service saddle and corporation, and all components and fittings required; in accordance to the Village of Kewaskum specifications and as hereinafter provided.

B Materials

Provide a precast manhole with manhole casting and cover to a depth as required based on the actual bore depth of the water main.

Provide sanitary sewer materials that are in conformance to the Village of Kewaskum Specifications. Backfill excavated areas with granular backfill meeting the requirements of standard spec 209.

B.1 Shop Drawings

Prior to incorporating any materials or products into the work, submit to the engineer and village sewer system representatives product literature and catalog cuts of the materials being supplied. Submit sufficient detail to readily determine if these materials are in conformance with the required specifications. Submit detail also showing manhole structure depth and location for approval by the engineer.

B.2 Manhole Castings

Furnish and install manhole castings 9-inch in accordance to the plan and as follows:

The castings shall meet the dimensions and minimum requirements shown in the plan.

C Construction

C.1 Applicable Specifications

Perform all sewer system construction in conformance to the Village of Kewaskum specifications and the Standard Specifications for Sewer and Water Construction in Wisconsin. Excavation, trenching, and backfilling shall be completed in accordance to the requirements of standard spec 611.

D Measurement

The department will measure Water Valve Manhole A by the vertical foot approved by the Village of Kewaskum, and acceptably completed and shall be measured from the inside bottom of the manhole to the top of the finished manhole rim.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0200.101	Water Valve Manhole A	VF

Payment is full compensation for providing all equipment, labor, tools, materials and incidentals required; for furnishing and installing manhole casting and cover; for connections to water main pipe; for providing materials including precast manhole sections, flat top sections, base, cone, and adjustment rings, steps, waterstops, couplings, boots, and other required fittings; for furnishing all excavating except for rock excavation; for forming foundation; for replacing unstable material in the trench bottom; for sheeting, shoring and dewatering; for providing and compacting granular backfill and stone bedding material; for removing sheeting and shoring and for restoring the site of the work.

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 __6__ *(number)* TrANS Graduate(s) be utilized on this contract.

2) **On-the-Job Training, Item ASP.1T0A, ASP 1 Apprentice.** At the rate of $5.00 per hour on federal aid projects at the point when an employee who came out of the TrANS Program is subsequently entered into an apprenticeship contract in an underutilized skilled trade (this will include the Skilled Laborer Apprenticeship when that standard is implemented).

Eligibility and Duration: To the employing contractor, for the length of time the TrANS graduate is in apprentice status.

Contract Goal: To maintain the intent of the Equal Employment Opportunity program, it is a goal that __4__ *(number)* TrANS Apprentice(s) be utilized on this contract.

3) The maximum duration of reimbursement is two years as a TrANS graduate plus time in apprentice status.

4) If a TrANS program is not available in the contractor's area and another training program is utilized, payment of On-the-Job Training hours may be approved by the Wisconsin Department of Transportation (WisDOT) if the training program meets the established acceptance criteria. Only On-the-Job Training Hours accumulated after WisDOT approval will be reimbursed as specified under Items ASP.1T0G and ASP.1T0A. For more information, contact the Disadvantaged Business Enterprise Office at the phone numbers listed above.

5) WisDOT reserves the right to deny payments under items ASP.1T0G and ASP.1T0A if the contractor either fails to provide training or there is evidence of a lack of good faith in meeting the requirements of this training special provision.

I. RATIONALE AND SPECIAL NOTE

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

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

II. IMPLEMENTATION

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

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

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

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

IV. *TRANS TRAINING*

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

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

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

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

V. APPRENTICESHIP TRAINING

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

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

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

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

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

ADDITIONAL SPECIAL PROVISION 3
DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

1. Description

General

a. The disadvantaged business enterprise (DBE) requirements of 49 CFR Part 26 apply to this contract. The department's DBE goal is shown on the cover of the bidding proposal. The contractor can meet the specified contract DBE goal by procuring services or materials from a DBE or by subcontracting work to a DBE. The department calculates the DBE participation as the dollar value of DBE participation included in the bid expressed as a percentage of the total contract bid amount.

b. Under the contract, the contractor agrees to provide the assistance to participating DBE's in the following areas:

   i. Produce accurate and complete quotes.
   ii. Understand highway plans applicable to their work.
   iii. Understand specifications and contract requirements applicable to their work.
   iv. Understand contracting reporting requirements.

c. The department encourages the contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts.

d. For information on the disadvantaged business program, visit the department's Civil Rights and Compliance Section website at:

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

2. Definitions

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

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

3. DBE Percentage Required at Bid Submission

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

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

4. Department's DBE Evaluation Process

a. Documentation Submittal

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

i. Bidder Meets DBE Goal

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

ii. Bidder Does Not Meet DBE Goal

(1) If the bidder indicates a bid percentage on the Commitment to Subcontract to DBE Form [DT1506] that does not meet the contract DBE goal, the bidder must submit a Good Faith Waiver Form [DT1202] and supporting documentation. After award and before execution, the department will evaluate the bidder's DBE commitment and consider the bidder's good faith waiver request.

(2) The department will review the bidder's good faith waiver request and notify the bidder of one of the following:

a. If the department grants a good faith waiver, the bid is eligible for contract execution with respect to DBE commitment.

b. If the department rejects the good faith waiver request, the department may declare the bid ineligible for execution. The department will provide a written explanation of why the good faith waiver request was rejected. The bidder may appeal the department's rejection as allowed under 7 a. & b.

5. Department's Criteria for Good Faith Effort

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

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

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

c. Prime Contractors should:
   i. Document all efforts and decisions made toward achieving the DBE goal on the contract. The bidder should use the Civil Rights & Compliance System [CRCS] and related WisDOT-approved DBE outreach tools, including the Bid Express Small Business Network, to foster DBE participation on all applicable contracts.

   ii. Request quotes by identifying potential items to subcontract and solicit. Prime contractors are strongly encouraged to include in their initial contacts a single page including a detailed list of items for which they are accepting quotes, by project, within a letting. *See attached sample entitled "Sample Contractor Solicitation Letter" in Appendix A*. Prime contractors should also indicate a willingness to accept quotes in areas they are planning to perform themselves, ***as required by federal rules***. In some cases, it might be appropriate to use DBE's to do work in a prime contractor's area of specialization.

      (1) Solicit quotes through all reasonable and available means from certified DBE firms who match 'possible items to subcontract' and send copies to DBESS office, highlighting areas in which you are seeking quotes. Email is acceptable.

      (2) SBN is the preferred outreach tool. https://www.bidx.com/wi/main. Other acceptable means include postal mail, email, fax, phone call.

         a. Primes must ask DBE firms for a response in their solicitations. See *Sample Contractors Solicitation Letter* in Appendix. This letter can be included as an attachment to the SBN sub-quote request.

         b. Solicit quotes at least 10 calendar days prior to the letting date {ideally two Fridays before the letting} to allow DBE firms sufficient time to respond. Prime contractors should contact DBE firms early, asking them if they need help in putting together a quote, or helping to arrange for equipment needs, or solve other problems.

      (3) Second solicitation should take place within 5 days
         a. An email solicitation is highly recommended for this second solicitation

      (4) Upon request, provide interested DBE firms with adequate information about plans, specifications and the requirements of the contract by letter, information session, email, phone call and/or referral.

      (5) When potential exists, advise interested DBE firms on how to obtain bonding, line of credit or insurance as may be requested.

      (6) Document DBE firm's interest in quoting by taking appropriate steps to follow up initial solicitation with:
         a. Email to all prospective DBE firms in relevant work areas
         b. Phone call log to DBE firms who express interest via written response or call.
         c. Fax/letter confirmation
         d. Copy of the DBE quotes
         e. Signed copy of Bid Express SBN Record of Subcontractor Outreach Effort.

d. Evaluate DBE quotes as documentation is critical if the prime does not utilize the DBE firm's quote for any reason.
   i. Evaluate DBE firm's capability to perform 'possible items to subcontract' using legitimate reasons, including but not limited to, ***a discussion with the DBE firm*** regarding its

capabilities prior to the bid letting. If lack of capacity is your reason for not utilizing the DBE quote, you are required to contact the DBE directly regarding their ability to perform the work indicated in the UCP directory as their work area [NAICS code]; only the work area and/or NAICS code listed in the UCP directory will be counted for DBE credit. Documentation of the conversation is required.

ii. In striving to meet a DBE conscious contract goal, prime contractors are expected to use DBE quotes that are responsive and reasonable. This includes DBE quotes that are not the low quote.

iii. **Special Circumstance:** Evaluation of DBE quotes with tied bid items. "Tied quotes are the condition in which a subcontractor submits quotes including multiple areas of expertise across multiple work areas noting that the items and price are tied. Typically this type of quoting represents a cost saving to the prime but is not clearly stated as a discount; tied quotes are usually presented as 'all or none' quote to the prime." When non-DBE subcontractors submit tied bid items in their quotes to the prime, the DBE firms' quote may seem not competitive. In such a case, the following steps are taken in comparing the relevant quotes. These are qualitative examples.

(1) Compare bid items common to both quotes, noting the reasonableness in the price comparison.

(2) Review quotes from other firms for the bid items not quoted by the DBE firm to see if combining both can provide the same competitive advantage that the tied bid items offered.

e. After notification of contract award, submit **'Commitment to Subcontract'** form within the time period specified in the contract.

i. Provide the following information along with department form DT1202:

(1) The names, addresses, e-mail addresses, telephone numbers of DBE's contacted. The dates of both initial and follow-up contact. A printed copy of SBN solicitation is acceptable.

(2) A description of information provided to the DBE's regarding the plans, specifications, and estimated quantities for portions of the work to be performed by that DBE.

(3) Photocopies or electronic copies of all written solicitations to DBE's.

(4) Documentation of each quote received from a DBE and, if rejected, the reason for that rejection.

(5) Bidder attendance at any pre-solicitation or pre-bid meetings the department held to inform DBE's of participation opportunities available on the project.

f. The department's DBE Support Services Office is available by phone, email or in writing to request assistance in meeting the DBE goal:

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

6. Bidder's Appeal Process

a. A bidder can appeal the department's decision to deny the bidder's good faith waiver request. The bidder must provide written documentation refuting the specific reasons for rejection as stated in the department's rejection notice. The bidder may meet in person with the department if so

requested. Failure to appeal within 7 calendar days after receiving the department's written notice of rejection of a good faith waiver request under constitutes a forfeiture of the bidder's right of appeal. If the bidder does not appeal, the department may declare the bid ineligible for execution.

b. The department will appoint a representative, who did not participate in the original determination, to assess the bidder's appeal. The department will issue a written decision within 7 calendar days after the bidder presents all written and oral testimony. In that written decision, the department will explain the basis for finding that the bidder did or did not meet the contract DBE goal or make an adequate good faith effort to meet the contract DBE goal. The department's decision is final. If the department finds that the bidder did not meet the contract DBE goal or did not make adequate efforts to meet the DBE goal, the department may declare the bid ineligible for execution.

7. Department's Criteria for DBE Participation

Department's DBE List

a. The department maintains a DBE list on the department's website at

http://app.mylcm.com/wisdot/Reports/WisDotUCPDirectory.aspx

b. The DBE office is also available to assist at 414-438-4583 or 608-266-6961.

8. Counting DBE Participation

Assessing DBE Work

a. The department will only count the DBE usage towards the contract DBE goal if the DBE firm is certified as a DBE by one of the unified certification program agencies. If a firm becomes DBE certified before entering into a subcontract, the department may consider that DBE usage towards the contract goal. The department only counts the value of the work a DBE actually performs towards the DBE goal. The department assesses the DBE work as follows:

b. The department counts work performed by the DBE's own resources. The department includes the cost of materials and supplies the DBE obtains for the work. The department also includes the cost of equipment the DBE leases for the work. The department will not include the cost of materials, supplies, or equipment the DBE purchases or leases from the prime contractor or its affiliate, except the department will count non-project specific leases the DBE has in place before the work is advertised.

c. The department counts fees and commissions the DBE charges for providing a bona fide professional, technical, consultant, or managerial services. The department also counts fees and commissions the DBE charges for providing bonds or insurance. The department will only count costs the engineer deems reasonable based on experience or prevailing market rates.

d. If a DBE subcontracts work, the department counts the value of the subcontracted work only if the DBE's subcontractor is also a DBE.

e. The contractor shall maintain records and may be required to furnish periodic reports documenting its performance under this item.

f. It is the prime contractor’s responsibility to determine the DBE's ability to perform the work with the use of the UCP directory.

9. Commercially Useful Function

a. The department counts expenditures of a DBE toward the DBE goal only if the DBE is performing a commercially useful function on that contract.

b. A DBE is performing a commercially useful function if the following conditions are met:

c. For contract work, the DBE is responsible for executing a distinct portion of the contract work and it is carrying out its responsibilities by actually performing, managing, and supervising that work.

d. For materials and supplies, the DBE is responsible for negotiating price, determining quality and quantity, ordering, and paying for those materials and supplies.

10. Trucking

All bidders are expected to adhere to the department's current trucking policy posted on the HCCI website at

http://www.dot.wisconsin.gov/business/engrserv/docs/dbe-trucking-notice.pdf

11. Manufacturers and Suppliers

The department counts material and supplies a DBE provides under the contract. The department will give full credit toward the DBE goal if the DBE is a manufacturer of those materials or supplies. The department will give 60 percent credit toward the DBE goal if the DBE is merely a supplier of those materials or supplies. It is the bidder's responsibility to find out if the DBE is considered a supplier or a manufacturer before listing them on Commitment to Subcontract to DBE form DT1506.

12. DBE Prime

If the prime contractor is a DBE, the department will only count the work the contractor performs with its own forces, the work DBE subcontractors perform, and the work DBE suppliers or manufacturers perform.

13. Joint Venture

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

14. Mentor Protégé

a. If a DBE performs as a participant in a mentor protégé agreement, the department will credit the portion of the work performed by the DBE protégé firm

b. On every other project that the mentor protégé team identifies itself on.

c. For no more than one half of the total contracted DBE goal on any WisDOT project.

15. DBE Replacement

In the event a Prime Contractor needs to replace a DBE firm originally listed on the approved DBE Commitment Form DT1506, the Prime Contractor must comply with the department's DBE Replacement Policy located on the DBE page on the following web site:

http://www.dot.wisconsin.gov/business/engrserv/docs/policyreplacingdbe.pdf

16. Changes to the approved DBE Commitment Form DT1506

If there are any changes to the approved Commitment to Subcontract to DBE Form DT1506, the prime contractor must submit a revised DBE Commitment Form DT1506 and relevant attachment A(s) to the DBE Programs Office within 5 business days.

17. Contract Modifications

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

18. Payment

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

APPENDIX A
Sample Contractor Solicitation Letter Page 1
This sample is provided as a guide not a requirement

GFW SAMPLE MEMORANDUM

TO: DBE FIRMS

FROM: POTENTIAL PRIME CONTRACTOR OR MAJOR SUBCONTRACTOR

SUBJECT: **REQUEST FOR DBE QUOTES**

LET DATE & TIME

DATE: MONTH DAY YEAR

CC: DBE OFFICE ENGINEER

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

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

Your quote should include all of the costs required to complete the items you propose to perform including labor, equipment, material, and related bonding or insurance. The quote should note items that you are DBE certified to perform, tied items, and any special terms. Page 2, with the indicated projects and items you plan to quote, should be used as a cover sheet for your quote.

Please make every effort to have your quotes into our office by time deadline the prior to the letting date. ***Make sure the correct letting date, project ID and proposal number, unit price and extension are included in your quote.*** We prefer quotes be sent via SBN but prime's alternative's are acceptable. Our office hours are include hours and days. Please call our office as soon as possible prior to the letting if you need information/clarification to prepare your quote at contact number.

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

All questions should be directed to:

Project Manager, John Doe,
Phone: (000) 123-4567
Email: Joe@joetheplumber.com
Fax: (000) 123- 4657

Sample Contractor Solicitation Letter Page 2

This sample is provided as a guide not a requirement

REQUEST FOR QUOTATION

Prime's Name: _____

Letting Date: _____

Project ID: _____

Please check all that apply

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

Prime Contractor 's Contact Person		DBE Contractor Contact Person	
Phone:		Phone	
Fax:		Fax	
Email:		Email	

Please circle the jobs and items you will be quoting below

Proposal No.	1	2	3	4	5	6	7
County							

WORK DESCRIPTION:

Clear and Grub	X		X	X		X	X
Dump Truck Hauling	X		X	X		X	X
Curb & Gutter/Sidewalk, Etc.	X		X	X		X	X
Erosion Control Items	X		X	X		X	X
Signs and Posts/Markers	X		X	X		X	X
Traffic Control		X	X	X		X	X
Electrical Work/Traffic Signals		X	X	X		X	
Pavement Marking		X	X	X	X	X	X
Sawing Pavement		X	X	X	X	X	X
QMP, Base	X	X		X	X	X	X
Pipe Underdrain	X			X			
Beam Guard				X	X	X	X
Concrete Staining							X
Trees/Shrubs	X						X

Again please make every effort to have your quotes into our office by time deadline prior to the letting date.

We prefer quotes be sent via SBN but prime's preferred alternative's are acceptable.

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

APPENDIX B
BEST PRACTICES FOR PRIME CONTRACTOR & DBE SUBCONTRACTOR GOOD FAITH EFFORT

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

Primes

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

DBE

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

APPENDIX C
Types of Efforts considered in determining GFE
This list represents concepts being assessed; analysis requires additional steps

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

APPENDIX D
Good Faith Effort Evaluation Guidance
Excerpt from Appendix A of 49 CFR Part 26

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

I. When, as a recipient, you establish a contract goal on a DOT assisted contract, a bidder must, in order to be responsible and/or responsive, make good faith efforts to meet the goal. The bidder can meet this requirement in either of two ways. First, the bidder can meet the goal, documenting commitments for participation by DBE firms sufficient for this purpose. Second, even if it doesn't meet the goal, the bidder can document adequate good faith efforts. This means that the bidder must show that it took all necessary and reasonable steps to achieve a DBE goal or other requirement of this part which, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not fully successful.

II. In any situation in which you have established a contract goal, part 26 requires you to use the good faith efforts mechanism of this part. As a recipient, it is up to you to make a fair and reasonable judgment whether a bidder that did not meet the goal made adequate good faith efforts. It is important for you to consider the quality, quantity, and intensity of the different kinds of efforts that the bidder has made. The efforts employed by the bidder should be those that one could reasonably expect a bidder to take if the bidder were actively and aggressively trying to obtain DBE participation sufficient to meet the DBE contract goal. Mere pro forma efforts are not good faith efforts to meet the DBE contract requirements. We emphasize, however, that your determination concerning the sufficiency of the firm's good faith efforts is a judgment call: meeting quantitative formulas is not required.

III. The Department also strongly cautions you against requiring that a bidder meet a contract goal (i.e., obtain a specified amount of DBE participation) in order to be awarded a contract, even though the bidder makes an adequate good faith efforts showing. This rule specifically prohibits you from ignoring bona fide good faith efforts.

IV. The following is a list of types of actions which you should consider as part of the bidder's good faith efforts to obtain DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.

A. Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBEs who have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBEs to respond to the solicitation. The bidder must determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.

B. Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces.

C. Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.

D. (1) Negotiating in good faith with interested DBEs. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBEs to perform the work.

(2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Prime contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.

E. Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non solicitation of bids in the contractor's efforts to meet the project goal.

F. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or contractor.

G. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

H. Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.

V. In determining whether a bidder has made good faith efforts, you may take into account the performance of other bidders in meeting the contract. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional reasonable efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts.

Appendix E
Small Business Network [SBN] Overview

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

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

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

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

ADDITIONAL SPECIAL PROVISION 4

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

Release of Routine Retainage

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

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

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

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

ADDITIONAL SPECIAL PROVISION 6

ASP 6 - Modifications to the standard specifications

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

101.3 Definitions

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

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

105.11.1 Partial Acceptance

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

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

105.11.2 Final Acceptance

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

105.11.2 Project Acceptance

105.11.2.1 Inspection

105.11.2.1.1 General

(1) Notify the engineer when the project is substantially complete as defined in 105.11.2.1.3. As soon as it is practical, the engineer will inspect the work and categorize it as one of the following:

1. Unacceptable or not complete.
2. Substantially complete.
3. Complete.

105.11.2.1.2 Unacceptable or Not Complete

(1) The engineer will identify, in writing, work that is unacceptable or not complete. Immediately correct or complete that work. The engineer will assess contract time until the work is corrected or completed.

(2) Proceed as specified in 105.11.2.1.1 until the engineer determines that the work is complete.

105.11.2.1.3 Substantially Complete

(1) The project is substantially complete and the engineer will no longer assess contract time if the contractor has completed all contract bid items and change order work, except for the punch-list. As applicable, the following must have occurred:

1. All lanes of traffic are open on a finished surface.
2. All signage and traffic control devices are in place and operating.
3. All drainage, erosion control, excavation, and embankments are completed.
4. All safety appurtenances are completed.

(2) The engineer will provide a written punch-list enumerating work the contractor must perform and documents the contractor must submit before the the engineer will categorize the work as complete.

1. Punch-list work includes uncompleted cleanup work required under 104.9 and minor corrective work. Immediately correct or complete the punch-list work. The engineer may restart contract time if the contractor does not complete the punch-list work within 5 business days after receiving the written punch-list. The engineer and contractor may mutually agree to extend this 5-day requirement.
2. Punch-list documents include whatever contract required documentation is missing. The engineer may restart contract time if the contractor does not submit the punch-list documents within 15 business days after receiving the written punch-list. The engineer and contractor may mutually agree to extend this 15-day requirement.

(3) Proceed as specified in 105.11.2.1.1 until the work is complete.

105.11.2.1.4 Complete

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

105.11.2.2 Conditional Final Acceptance

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

105.11.2.3 Final Acceptance

(1) The engineer will grant final acceptance of the project after determining that all contract is work complete; all contract, materials, and payroll records are reviewed and approved; and the semi-final estimate quantities are final under 109.7.

(2) Failure to discover defective work or materials before final acceptance does not prevent the department from rejecting that work or those materials later. The department may revoke final acceptance if the department discovers defective work or materials after it has accepted the work.

105.13.3 Submission of Claim

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

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

107.17.3 Railroad Insurance Requirements

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

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

107.26 Standard Insurance Requirements

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

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

TABLE 107-1 REQUIRED INSURANCE AND MINIMUM COVERAGES

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

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

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

108.14 Terminating the Contractor's Responsibility

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

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

109.2 Scope of Payment

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

(2) The department will pay for the quantity of work acceptably completed and measured for payment as the measurement subsection for each bid item specifies. Within the contract provide means to furnish and install the work complete and in-place. Payment is full compensation for everything required to perform the work under the applicable bid items including, but not limited to, the work elements listed in the payment subsection. Payment also includes all of the following not specifically excluded in that payment subsection:

1. Furnishing and installing all materials as well as furnishing the labor, tools, supplies, equipment, and incidentals necessary to perform the work.
2. All losses or damages, except as specified in 107.14, arising from one or more of the following:
   - The nature of the work.
   - The action of the elements.
   - Unforeseen difficulties encountered during prosecution of the work.
3. All insurance costs, expenses, and risks connected with the prosecution of the work.
4. All expenses incurred because of an engineer-ordered suspension, except as specified in 104.2.2.3.
5. All infringements of patents, trademarks, or copyrights.
6. All other expenses incurred to complete and protect the work under the contract.

109.6.1 General

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

(3) The department's payment of an estimate before conditional final acceptance of the work does not constitute the department's acceptance of the work, and does not relieve the contractor of responsibility for:

1. Protecting, repairing, correcting, or renewing the work.
2. Replacing all defects in the construction or in the materials used in the construction of the work under the contract, or responsibility for damage attributable to these defects.

(4) The contractor is responsible for all defects or damage that the engineer may discover on or before the engineer's conditional final acceptance of the work. The engineer is the sole judge of these defects or damage, and the contractor is liable to the department for not correcting all defects or damage.

109.7 Acceptance and Final Payment

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

(1) After the engineer grants conditional final acceptance of the work as specified in 105.11.2.2 and reviews required document submittals and materials test reports, the engineer will issue the semi-final estimate.

(2) Within 30 calendar days after receiving the semi-final estimate, submit to the engineer a written statement of agreement or disagreement with the semi-final estimate. For an acceptable statement of disagreement, submit an item-by-item list with reasons for each disagreement. If the contractor does not submit this written statement within those 30 days, the engineer will process the final estimate for payment. The engineer and the contractor can mutually agree to extend this 30-day submission requirement.

450.3.3 Maintaining the Work

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

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

455.3.2.5 Maintaining Tack Coat

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

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

520.3.8 Protection After Laying

Delete the entire subsection.

614.2.1 General

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

(5) Furnish zinc coated wire rope and fitting conforming to the plans and galvanized according to ASTM A741.

(6) Before installation store galvanized components above ground level and away from surface run off. The department may reject material if the zinc coating is physically damaged or oxidized.

(7) Provide manufacturer's drawings, and installation and maintenance instructions when providing proprietary systems.

614.2.3 Steel Rail and Fittings

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

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

614.2.7 Crash Cushions

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

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

616.3.1 General

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

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

618.3.3 Restoration

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

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

627.3.1 General

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

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

637.3.2.1 General

Delete paragraph three effective with the December 2013 letting.

670.3.4.2 Post-Construction Work

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

(1) Submit 5 copies of ITS documentation including but not limited to the following:

- Operator's manual: for contractor furnished equipment, submit a manual containing detailed operating instructions for each different type or model of equipment and or operation performed.
- Maintenance procedures manuals: for contractor furnished equipment, submit a manual containing detailed preventive and corrective maintenance procedures for each type or model of equipment furnished.
- Cabinet fiber optic wiring diagram: submit a cabinet wiring diagram, identified by location for each cabinet. Include both electrical wiring and fiber optic conductor and cable connections. Place one copy of the fiber optic wiring diagram in a weatherproof holder in the cabinet. Deliver the other copies to the engineer.
- As-built drawings: submit final as-built drawings that detail the final placement of all conduit, cabling, equipment, and geometric modifications within the contract. Provide all documentation in an electronic format adhering to the region’s ITS computer aided drafting standards and according to the department’s as-built requirements. The department will review the as-built drawings for content and electronic format. Modify both the content and format of as-built drawings until meeting all requirements.
- Equipment inventory list: submit an inventory list including serial number, make, model, date installed, and location installed of all equipment installed under the contract.

Errata

Make the following corrections to the 2013 edition of the standard specifications:

415.3.14 Protecting Concrete

Correct errata by referencing the opening to service specification.

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

501.2.9 Concrete Curing Materials

Correct errata by changing AASHTO M171 to ASTM C171.

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

607.2 Materials

Correct errata by changing AASHTO M198 to ASTM C990.

(1) Use materials conforming to the requirements for the class of material named and specified below.

Composite pipe, couplings, fittings and joint materials	ASTM D2680
Annular rubber and plastic gaskets for flexible, watertight joints	ASTM C990
External rubber gaskets, mastic, and protective film	ASTM C877
Mortar	519.2.3

637.2.1.3 Sheet Aluminum

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

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

637.3.3.4 Performance

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

(1) Under 105.11.2.3 the department may revoke acceptance and direct the contractor to repair or replace previously accepted sign installations if the department subsequently discovers evidence of defective materials or improper installation. Deficiencies that warrant department action include but are not limited to the following:

- Sign posts more than five degrees out of plumb.
- Signs twisted by more than 5 degrees from plan orientation.
- Signs with delaminated or warped plywood.
- Signs with bubbling, fading, delaminating, or buckling sheeting.

646.3.3.4 Proving Period

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

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

ADDITIONAL SPECIAL PROVISION 7

A. Reporting 1st Tier and DBE Payments During Construction

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

B. Costs for conforming to this special provision are incidental to the contract.

ADDITIONAL SPECIAL PROVISION 9
Electronic Certified Payroll Submittal

(1) Use the department's Civil Rights Compliance System (CRCS) to submit certified payrolls electronically. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm

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

(3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin payrolls. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Tess Mulrooney at 608-267-4489 to schedule the training.

(4) The department will reject all paper submittals of forms DT-1816 and DT-1929 for information required under this special provision. All costs for conforming to this special provision are incidental to the contract.

(5) Firms wishing to export payroll data from their computer system into CRCS should have their payroll coordinator send several sample electronic files to Tess two months before a payroll needs to be submitted. Not every contractor's payroll system is capable of producing export files. For details, see pages 17-22 of the CRCS System Background Information manual available online on the Labor, Wages, and EEO Information page at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/crc-basic-info.pdf

REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS

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

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

VI. SUBLETTING OR ASSIGNING THE CONTRACT

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

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

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

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;
(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

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

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

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

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

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

VII. SAFETY: ACCIDENT PREVENTION

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

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

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

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

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

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

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

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

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

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

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

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.
2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1**. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. “First Tier Covered Transactions” refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. “First Tier Covered Transactions” refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

SEPTEMBER 2002

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)

1. The Offeror's or Bidder's attention is called to the "Employment Practices" and "Equal Opportunity Clause" set forth in the Required Contract Provisions, FHWA 1273.

2. The goals and timetables for minority and female participation expressed in percentage terms for the contractor's aggregate work force in each trade, on all construction work in the covered area, are as follows:

Goals for Minority Participation for Each Trade:

County	%	County	%	County	%
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.

APRIL 2013

BUY AMERICA PROVISION

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials from smelting forward in the manufacturing process must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America. The exemption of this requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or $2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project. The contractor shall take actions and provide documentation conforming to CMM 2-28.4 to ensure compliance with this “Buy America” provision.

http://roadwaystandards.dot.wi.gov/standards/cmm/cm-02-28.pdf#cm2-28.4

Upon completion of the project certify to the engineer, in writing using department form WS4567, that all steel, iron, and coating processes for steel or iron incorporated into the contract work conform to these "Buy America" provisions. Attach a list of exemptions and their associated costs to the certification form. Department form WS4567 is available at:

http://roadwaystandards.dot.wi.gov/standards/forms/ws4567.doc

Effective with September 2004 Letting

WISCONSIN DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS AND TRANSPORTATION FACILITIES

SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS

I. WAGE RATES, HOURS OF LABOR AND PAYMENT OF WAGES

The schedule of "Minimum Wage Rates" attached hereto and made a part hereof furnishes the prevailing wage rates that have been determined pursuant to Section 103.50 of the Wisconsin Statutes. These wage rates are the minimum required to be paid to the various laborers, workers, mechanics and truck drivers employed by contractors and subcontractors on the construction work embraced by the contract and subject to prevailing hours and wages under Section 103.50, Stats. If necessary to employ laborers, workers, mechanics or truck drivers whose classification is not listed on the schedule, they shall be paid at rates conformable to those listed for similar classifications. Apprentices shall be paid at rates not less than those prescribed in their state indenture contacts.

While the wage rates shown are the minimum rates required by the contract to be paid during its life, this in not a representation that labor can be obtained at these rates. It is the responsibility of bidders to inform themselves as to the local labor conditions and prospective changes or adjustments of wage rates. No increase in the contract price shall be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

Pursuant to Section 103.50 of the Wisconsin Statutes, the prevailing hours of labor have been determined to be up to 10 hours per day and 40 hours per calendar week Monday through Friday. If any laborer, worker, mechanic or truck driver is permitted or required to work more than the prevailing number of hours per day or per calendar week on this contract, they shall be paid for all hours in excess of the prevailing hours at a rate of at least one and one-half (1 1/2) times their hourly rate of pay. All work on Saturday, Sunday and the following holidays is to be paid at time and a half: (1) January 1, (2) the last Monday in May, (3) July 4, (4) the first Monday in September, (5) the fourth Thursday in November, (6) December 25, (7) the day before if January 1, July 4 or December 25 falls on a Saturday and (8) the day following if January 1, July 4 or December 25 falls on a Sunday.

All laborers, workers, mechanics and truck drivers shall be paid unconditionally not less often than once a week. Persons who own and operate their own trucks must receive the prevailing truck driver rate for the applicable type of truck (i.e. 2 axle, 3 or more axle, articulated, eculid or dumptor) he or she operates, plus an agreed upon amount for the use of his or her truck. Every owner-operator MUST be paid separately for their driving and for the use of their truck.

For those projects subject to the requirements of the Davis-Bacon Act, the Secretary of Labor will also have determined "Minimum Wage Rates" for work to be performed under the contract. These rates are, for all or most of the labor, worker, mechanic or truck driver classifications, identical to those established under Section 103.50 of the Wisconsin Statutes. In the event the rates are not identical, the higher of the two rates will govern.

II. PAYROLL REQUIREMENTS

All contractors and subcontractors must submit weekly Certified Payrolls and Compliance Statement verifying that all laborers, workers, mechanics and truck drivers working on the project have been paid the prevailing wage rates for all work performed under the contract required by Section 103.50 of the Wisconsin Statutes.

III. POSTINGS AT THE SITE OF THE WORK

In addition to the required postings furnished by the Department, the contractor shall post the following in at least one conspicuous place at the site of work:

a. "NOTICE TO EMPLOYEES," which provides information required to be posted by the provisions of Section 103.50 of the Wisconsin Statutes.

b. A copy of the State of Wisconsin Minimum Wages Rates. (Four pages.)

c. A copy of the contractor's Equal Employment Opportunity Policy.

d. On any project involving federal aid, in addition to the furnished postings, the contractor shall post a copy of the "Davis-Bacon Act, Minimum Wage Rates". (Three pages.)

IV. WAGE RATE REDISTRIBUTION

The amount specified as the hourly basic rate of pay and the amount(s) specified as the fringe benefit contribution(s), for all classes of laborers, workers, mechanics or truck drivers may be redistributed, when necessary, to conform to those specified in any applicable collective bargaining agreement, provided that both parties to such agreement

request and receive the approval for any such redistribution from both the Department of Transportation and the Department of Workforce Development prior to the implementation of such redistribution.

V. ADDITIONAL CLASSIFICATIONS

Any unlisted laborer or mechanic classification that is needed to perform work on this project, and is not included within the scope of any of the classifications listed in the application prevailing wage rate determination, may be added after award only if all of the following criteria have been met:

1. The affected employer(s) must make a written request to WisDOT Central Office to utilize the unlisted classification on this project.

2. The request must indicate the scope of the work to be performed by the unlisted classification and must indicate the proposed wage/fringe benefit package that the unlisted classification is to receive.

3. The work to be performed by the unlisted classification must not be performed by a classification that is included in the applicable prevailing wage rate determination.

4. The unlisted classification must be commonly employed in the area where the project is located.

5. The proposed wage/fringe benefit package must bear a reasonable relationship to those set forth in the applicable prevailing wage rate determination.

6. The request should be made prior to the actual performance of the work by the unlisted classification.

7. DWD must approve the use of the unlisted classification and the proposed wage/fringe benefit package. USDOL also must approve the use of the unlisted classification and the proposed wage/fringe benefit package on federal aid projects.

8. WisDOT and DWD may amend the proposed wage/fringe benefit package, as deemed necessary, and may set forth specific employment ratios and scope of work requirements in the approval document.

The approved wage/fringe benefit package shall be paid to all laborers, workers, mechanics or truck drivers performing work within the scope of that performed by the unlisted classification, from the first day on which such work is performed. In the event that work is performed by the unlisted classification prior to approval, the wage/fringe benefit package to be paid for such work must be in conformance with the wage/fringe

benefit package approved for such work. Under this arrangement a retroactive adjustment in wages and/or fringe benefits may be required to be made to the affected laborers, workers, mechanics or truck drivers by the affected employer(s).

ANNUAL PREVAILING WAGE RATE DETERMINATION
FOR ALL STATE HIGHWAY PROJECTS
WASHINGTON COUNTY

Compiled by the State of Wisconsin - Department of Workforce Development
for the Department of Transportation
Pursuant to s. 103.50, Stats.
Issued on September 1, 2013

CLASSIFICATION: Contractors are required to call the Department of Workforce Development if there are any questions reqarding the proper trade or classification to be used for any worker on a public works project.

OVERTIME: Time and one-half must be paid for all hours worked over 10 hours per day and 40 hours per calendar week and for all hours worked on Saturday, Sunday and the following six (6) holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25; the day before if January 1, July 4 or December 25 falls on a Saturday; the day following if January 1, July 4 or December 25 falls on a Sunday.

FUTURE INCREASE: If indicated for a specific trade or occupation, the full amount of such increase MUST be added to the "TOTAL" indicated for such trade or occupation on the date(s) such increase(s) becomes effective.

PREMIUM PAY: If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.

SUBJOURNEY: Wage rates may be available for some of the classifications indicated below. Any employer that desires to use any subjourney classification on a project MUST request the applicable wage rate from the Department of Workforce Development PRIOR to the date such classification is used on such project. Form ERD-10880 is available for this purpose and can be obtained by writing to the Department of Workforce Development, Equal Rights Division, P.O. Box 8928, Madison, WI 53708.

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	$	$	$
Bricklayer, Blocklayer or Stonemason	35.58	19.20	54.78
Carpenter	32.93	19.81	52.74
Future Increase(s): Add $.75/hr on 6/3/2013. Add $1.25/hr on 6/2/2014. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Cement Finisher	30.69	17.53	48.22
Future Increase(s): Add $1.87 on 6/1/13; Add $1.87 on 6/1/14; Add $1.87 on 6/1/15; Add $1.75 on 6/1/16. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
Electrician	31.54	21.14	52.68
Fence Erector	28.00	4.50	32.50
Ironworker	31.31	21.00	52.31
Line Constructor (Electrical)	31.29	15.34	46.63
Painter	29.22	16.69	45.91
Pavement Marking Operator	29.22	16.69	45.91
Piledriver	30.66	15.31	45.97
Roofer or Waterproofer	29.40	12.34	41.74
Teledata Technician or Installer	24.65	15.67	40.32
Tuckpointer, Caulker or Cleaner	34.35	12.88	47.23
Underwater Diver (Except on Great Lakes)	37.45	19.45	56.90
Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	29.64	17.06	46.70
Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	29.64	16.53	46.17
Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.94	13.57	39.51

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	$	$	$
Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.08	12.96	37.04
Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	11.90	33.65
TRUCK DRIVERS			
Single Axle or Two Axle	33.22	18.90	52.12
Three or More Axle	23.31	17.13	40.44
Future Increase(s): Add $1.85/hr on 6/1/2013. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Articulated, Euclid, Dumptor, Off Road Material Hauler	27.77	19.90	47.67
Future Increase(s): Add $2/hr on 6/1/13; Add $1.75/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor- wages- eeo/ index. shtm.			
Pavement Marking Vehicle	23.84	14.93	38.77
Shadow or Pilot Vehicle	33.22	18.90	52.12
Truck Mechanic	22.50	16.19	38.69
LABORERS			
General Laborer	24.64	18.40	43.04
Future Increase(s): Add $1.70/hr on 6/1/2013; Add $1.60/hr on 6/1/2014. Premium Pay: Add $.10/hr for air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add $.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add $.20/hr for blaster and powderman; Add $.35/hr for line and grade specialist; Add $2.79/hr for topman; Add $3.21/hr for bottomman; Add $3.98/hr for pipelayer. DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Asbestos Abatement Worker	37.16	0.00	37.16
Landscaper	25.39	18.40	43.79
Future Increase(s): Add $1.70/hr on 6/1/13; Add $1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Flagperson or Traffic Control Person	21.73	18.40	40.13
Future Increase(s): Add $1.70/hr on 6/1/2013; Add $1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.24	15.03	32.27
Railroad Track Laborer	23.41	11.29	34.70

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	$	$	$
HEAVY EQUIPMENT OPERATORS			
Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Traveling Crane (Bridge Type). Future Increase(s): Add $2/hr on 6/1/13; Add $1.75/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor- wages- eeo/ index. shtm.	35.22	19.90	55.12
Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add $2/hr on 6/1/13; Add $1.75/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor- wages- eeo/ index. shtm.	34.72	19.90	54.62
Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, VIbratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane WIth a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A- Frames. Future Increase(s): Add $2/hr on 6/1/13; Add $1.75/hr on 6/1/14.	34.22	19.90	54.12

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor- wages- eeo/ index. shtm.			
Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or WIthout Attachments); Telehandler; Tining or Curing Machine.	33.96	19.90	53.86
Future Increase(s): Add $2/hr on 6/1/13; Add $1.75/hr on 6/1/14.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor- wages- eeo/ index. shtm.			
Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.	33.67	19.90	53.57
Future Increase(s): Add $2/hr on 6/1/13; Add $1.75/hr on 6/1/14.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor- wages- eeo/ index. shtm.			
Fiber Optic Cable Equipment.	20.00	9.90	29.90

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin
GENERAL DECISION NUMBER: WI130010
DATE: September 27, 2013
DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

LABORERS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits
Group 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence and Bridge Builder; Landscaper, Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, Utility Man); Batch Truck Dumper; or Cement Handler; Bituminous Worker; (Dumper, Ironer, Smoother, Tamper); Concrete Handler	$25.31	18.15
Group 2: Air Tool Operator; Joint Sawer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);	25.41	18.15
Group 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off man	25.46	18.15
Group 4: Line and Grade Specialist	25.66	18.15
Group 5: Blaster and Powderman	25.51	18.15
Group 6: Flagperson and Traffic Control Person	22.40	18.15

CLASSES OF LABORER AND MECHANICS

Bricklayer	35.58	16.07
Carpenter	30.52	14.41
Piledriverman	27.25	19.46
Ironworker	30.52	23.47
Cement Mason/Concrete Finisher	30.69	17.53
Electrician		See Page 3
Line Construction		
Lineman	38.25	18.00
Heavy Equipment Operator	34.43	16.71
Equipment Operator	30.60	15.41
Heavy Groundman Driver	26.78	14.11
Light Groundman Driver	24.86	13.45
Groundsman	21.04	12.16
Millwrights	26.32	13.98
Painter, Brush	29.52	18.79
Painter, Spray and Sandblaster	30.27	18.79
Painter, Bridge	29.87	18.79
Well Drilling:		
Well Driller	16.52	3.70

Truck Drivers:	Basic Hourly Rates	Fringe Benefits
1 & 2 Axles	23.82	18.32
Three or More Axles; Euclids, Dumptor & Articulated, Truck Mechanic	23.97	18.32

Notes: Welders receive rate prescribed for craft performing operation to which welding is incidental. Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5(a)(1)(ii)). Includes Modification #0, dated January 4, 2013; Modification #1 dated February 1, 2013; Modification #2 dated June 7, 2013; Modification #3 dated July 19, 2013; Modification #4 dated August 23, 2013; Modification #5 dated September 13, 2013; Modification #6 dated September 27, 2013.

STATE: Wisconsin
GENERAL DECISION NUMBER: WI130010
DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

DATE: September 27, 2013

POWER EQUIPMENT OPERATORS CLASSIFICATION:	Basic Hourly Rates	Fringe Benefits
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	$36.72	$20.10
Group 2: Cranes, tower cranes and derricks, with or without attachments, with a lifting capacity of 100 tons or less or cranes, tower cranes and derricks with boom, leads and/or jib lengths measuring 175 feet or less, and backhoes (excavators) having a manufacturer's rated capacity of 3 cu. yds. and over, caisson rigs, pile driver, dredge operator, dredge engineer.	$36.22	$20.10
Group 3: Mechanic or welder - heavy duty equipment, cranes with a lifting capacity of 25 tons or less, concrete breaker (manual or remote); vibrator/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pavement spreader - heavy duty (rubber tired); concrete spreader and distributor, automatic subgrader (concrete); concrete grinder and planing machine; concrete slipform curb and gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi and over); bridge paver; concrete conveyor system; concrete pump; stabilizing mixer (self propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter and grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer and scarifier; backhoes (excavators) having a manufacturers rated capacity of under 3 cu. yds.; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader hydraulic backhoe (tractor-type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller (over 5 tons); percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches and A-frames; post driver; material hoist operator.	$35.72	$20.10
Group 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self-propelled; tractor (mounted or towed compactors and light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint saw (multiple blade) belting machine; burlap machine; texturing machine; tractor, endloader (rubber tired) - light; jeep digger; fork lift; mulcher; launch operator; fireman; environmental burner.	$35.46	$20.10
Group 5: Air compressor; power pack; vibratory hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; concrete pro-portioning plants generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; oiler; pump (over 3 inches); drilling machine helper.	$35.17	$20.10
Group 6: Off – road material hauler with or without ejector	$29.27	$20.10

Premium Pay:
EPA Level "A" protection - $3.00 per hour
EPA Level "B" protection - $2.00 per hour
EPA Level "C" protection - $1.00 per hours

SUPERSEDES DECISION WI20120010
U. S. DEPARTMENT OF LABOR
(DAVIS-BACON ACT, MINIMUM WAGE RATES)

STATE: Wisconsin
GENERAL DECISION NUMBER: WI130010
DATE: September 27, 2013
DESCRIPTION OF WORK: Highways and Airport Runway and Taxiway Construction

LABORERS CLASSIFICATION:	Rates	Benefits
Electricians		
Area 1	$28.40	16.676
Area 2:		
Electricians	29.13	17.92
Area 3:		
Electrical contracts under $130,000	26.24	16.85
Electrical contracts over $130,000	29.41	16.97
Area 4:	28.10	17.24
Area 5	28.61	16.60
Area 6	35.25	19.30
Area 8		
Electricians	30.60	24.95% + 10.33
Area 9:		
Electricians	32.94	18.71
Area 10	28.97	19.55
Area 11	31.91	23.60
Area 12	32.87	19.23
Area 13	32.82	22.51
Teledata System Installer		
Area 14		
Installer/Technician	21.89	11.83
Sound & Communications		
Area 15		
Installer	16.47	14.84
Technician	24.75	16.04

Area 1 - CALUMET (except township of New Holstein), GREEN LAKE (N. part, including Townships of Berlin, St. Marie and Seneca), MARQUETTE (N. part, including Townships of Crystal Lake, Neshkoro, Newton & Springfield), OUTAGAMIE, WAUPACA, WAUSHARA and WINNEBAGO COUNTIES.

Area 2 - ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Mayville, Colby, Unity, Sherman, Fremont, Lynn and Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST. CROIX, SAWYER, TAYLOR, TREMPEALEAU, VERNON and WASHBURN COUNTIES

Area 3 - FLORENCE (townships of Aurora, Commonwealth, Fern, Florence and Homestead), MARINETTE (Niagara township)

Area 4 - BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE (Wausauke and area south thereof), OCONTO, MENOMINEE (East of a line 6 miles West of the West boundary of Oconto County), SHAWANO (except area North of Townships of Aniwa and Hutchins) COUNTIES.

Area 5 - ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Area North of the town of Wausaukee), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Area North of the townships of Aniwa and Hutchins), VILAS AND WOOD COUNTIES

Area 6 - KENOSHA COUNTY

Area 8 - DODGE, (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington township), ROCK and WALWORTH COUNTIES

Area 9 - COLUMBIA, DANE, DODGE, (area west of Hwy. 26, except Chester & Emmet Townships), GREEN LAKE (except townships of Berlin, Seneca and St. Marie), IOWA, MARQUETTE (except townships of Neshkoka, Crystal Lake, Newton and Springfield), and SAUK COUNTIES

Area 10 - CALUMET (Township of New Holstein), DODGE (East of Hwy. 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

Area 11 - DOUGLAS COUNTY

Area 12 - RACINE (except Burlington township) COUNTY

Area 13 - MILWAUKEE, OZAUKEE, WASHINGTON and WAUKESHA COUNTIES

Area 14 - Statewide.

Area 15 - DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES.

FEBRUARY 1999

NOTICE TO BIDDERS
WAGE RATE DECISION

The wage rate decision of the Secretary of Labor which has been incorporated in these advertised specifications is incomplete in that the classifications may be omitted from the Secretary of Labor's decision.

Since the bidder is responsible, independently, for ascertaining area practice with respect to the necessity, or lack of necessity, for the use of these classifications in the prosecution of the work contemplated by this project, no inference may be drawn from the omision of these classifications concerning prevailing area practices relative to their use. Further, this omission will not, per se, be construed as establishing any governmental liability for increased labor cost if it is subsequently determined that such classifications are required.

There may be omissions and/or errors in the federal wage rates. The bidder is responsible for evaluating and determining the correct applicable rate. The higher of state or federal rate will apply.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
	SECTION 0001 GENERAL CONSTRUCTION ROADWAY CONSTRUCTION					
0010	201.0105 CLEARING	75.000 STA		.		.
0020	201.0205 GRUBBING	75.000 STA		.		.
0030	203.0100 REMOVING SMALL PIPE CULVERTS	43.000 EACH		.		.
0040	203.0200 REMOVING OLD STRUCTURE (STATION) 001. 97+60	LUMP	LUMP			.
0050	203.0200 REMOVING OLD STRUCTURE (STATION) 002. 175+19	LUMP	LUMP			.
0060	203.0200 REMOVING OLD STRUCTURE (STATION) 003. 177+41	LUMP	LUMP			.
0070	203.0200 REMOVING OLD STRUCTURE (STATION) 004. 351+00	LUMP	LUMP			.
0080	203.0700.S REMOVING OLD STRUCTURE OVER WATERWAY WITH DEBRIS CAPTURE SYSTEM (STATION) 001. 96+40.9	LUMP	LUMP			.
0090	204.0100 REMOVING PAVEMENT	11,901.000 SY		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0100	204.0110 REMOVING ASPHALTIC SURFACE	4,044.000 SY		.		.
0110	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS	1,157.000 SY		.		.
0120	204.0125 REMOVING ASPHALTIC SURFACE MILLING	7,617.000 TON		.		.
0130	204.0150 REMOVING CURB & GUTTER	3,498.000 LF		.		.
0140	204.0155 REMOVING CONCRETE SIDEWALK	2,319.000 SY		.		.
0150	204.0165 REMOVING GUARDRAIL	1,044.000 LF		.		.
0160	204.0170 REMOVING FENCE	95.000 LF		.		.
0170	204.0195 REMOVING CONCRETE BASES	4.000 EACH		.		.
0180	204.0210 REMOVING MANHOLES	15.000 EACH		.		.
0190	204.0220 REMOVING INLETS	33.000 EACH		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0200	204.0245 REMOVING STORM SEWER (SIZE) 001. 6-INCH	55.000 LF		.		.
0210	204.0245 REMOVING STORM SEWER (SIZE) 002. 8-INCH	759.000 LF		.		.
0220	204.0245 REMOVING STORM SEWER (SIZE) 003. 10-INCH	36.000 LF		.		.
0230	204.0245 REMOVING STORM SEWER (SIZE) 004. 12-INCH	379.000 LF		.		.
0240	204.0245 REMOVING STORM SEWER (SIZE) 005. 15-INCH	1,285.000 LF		.		.
0250	204.0245 REMOVING STORM SEWER (SIZE) 006. 18-INCH	447.000 LF		.		.
0260	204.0245 REMOVING STORM SEWER (SIZE) 007. 24-INCH	277.000 LF		.		.
0270	204.0280 SEALING PIPES	1.000 EACH		.		.
0280	204.9105.S REMOVING (ITEM DESCRIPTION) 100. LIFT STATION CONCRETE FOUNDATION	LUMP	LUMP			.
0290	205.0100 EXCAVATION COMMON	63,876.020 CY		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0300	205.0400 EXCAVATION MARSH	9,348.290 CY		.		.
0310	205.0501.S EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	2,355.000 TON		.		.
0320	206.1000 EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 001. B-66-184	LUMP	LUMP			.
0330	206.3000 EXCAVATION FOR STRUCTURES RETAINING WALLS (STRUCTURE) 001. R-66-31	LUMP	LUMP			.
0340	206.3000 EXCAVATION FOR STRUCTURES RETAINING WALLS (STRUCTURE) 002. R-66-21	LUMP	LUMP			.
0350	206.5000 COFFERDAMS (STRUCTURE) 001. B-66-184	LUMP	LUMP			.
0360	206.6000.S TEMPORARY SHORING	620.000 SF		.		.
0370	208.1100 SELECT BORROW	7,084.980 CY		.		.
0380	209.0100 BACKFILL GRANULAR	136.000 CY		.		.
0390	210.0100 BACKFILL STRUCTURE	600.000 CY		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0400	213.0100 FINISHING ROADWAY (PROJECT) 001. 4060-05-70	1.000 EACH		.		.
0410	213.0100 FINISHING ROADWAY (PROJECT) 002. 4060-05-71	1.000 EACH		.		.
0420	305.0110 BASE AGGREGATE DENSE 3/4-INCH	4,593.000 TON		.		.
0430	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	43,136.000 TON		.		.
0440	310.0110 BASE AGGREGATE OPEN GRADED	22.000 TON		.		.
0450	311.0110 BREAKER RUN	5,710.000 TON		.		.
0460	415.0410 CONCRETE PAVEMENT APPROACH SLAB	159.000 SY		.		.
0470	416.0170 CONCRETE DRIVEWAY 7-INCH	675.000 SY		.		.
0480	416.0270 CONCRETE DRIVEWAY HES 7-INCH	100.000 SY		.		.
0490	416.0610 DRILLED TIE BARS	100.000 EACH		.		.
0500	416.1010 CONCRETE SURFACE DRAINS	2.000 CY		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0510	440.4410.S INCENTIVE IRI RIDE	37,193.510 DOL	1.00000		37193.51	
0520	455.0115 ASPHALTIC MATERIAL PG64-22	1,457.000 TON	.		.	
0530	455.0120 ASPHALTIC MATERIAL PG64-28	776.000 TON	.		.	
0540	455.0605 TACK COAT	3,874.000 GAL	.		.	
0550	460.1101 HMA PAVEMENT TYPE E-1	31,481.000 TON	.		.	
0560	460.1103 HMA PAVEMENT TYPE E-3	5,712.000 TON	.		.	
0570	460.1110 HMA PAVEMENT TYPE E-10	15.000 TON	.		.	
0580	460.2000 INCENTIVE DENSITY HMA PAVEMENT	37,193.000 DOL	1.00000		37193.00	
0590	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	145.000 TON	.		.	
0600	465.0125 ASPHALTIC SURFACE TEMPORARY	485.000 TON	.		.	
0610	465.0310 ASPHALTIC CURB	1,100.000 LF	.		.	

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0620	465.0315 ASPHALTIC FLUMES	420.000 SY		.		.
0630	465.0425 ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL	22,314.000 LF		.		.
0640	465.0475 ASPHALT CENTER LINE RUMBLE STRIP 2-LANE RURAL	16,895.000 LF		.		.
0650	502.0100 CONCRETE MASONRY BRIDGES	732.000 CY		.		.
0660	502.3200 PROTECTIVE SURFACE TREATMENT	670.000 SY		.		.
0670	504.0500 CONCRETE MASONRY RETAINING WALLS	35.000 CY		.		.
0680	504.0900 CONCRETE MASONRY ENDWALLS	5.000 CY		.		.
0690	505.0405 BAR STEEL REINFORCEMENT HS BRIDGES	10,770.000 LB		.		.
0700	505.0415 BAR STEEL REINFORCEMENT HS RETAINING WALLS	3,000.000 LB		.		.
0710	505.0605 BAR STEEL REINFORCEMENT HS COATED BRIDGES	115,300.000 LB		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0720	505.0615 BAR STEEL REINFORCEMENT HS COATED RETAINING WALLS	560.000 LB		.		.
0730	505.0904 BAR COUPLERS NO. 4	46.000 EACH		.		.
0740	505.0905 BAR COUPLERS NO. 5	257.000 EACH		.		.
0750	505.0906 BAR COUPLERS NO. 6	23.000 EACH		.		.
0760	505.0908 BAR COUPLERS NO. 8	14.000 EACH		.		.
0770	512.1000 PILING STEEL SHEET TEMPORARY	400.000 SF		.		.
0780	516.0500 RUBBERIZED MEMBRANE WATERPROOFING	29.000 SY		.		.
0790	517.1050.S ARCHITECTURAL SURFACE TREATMENT (STRUCTURE) 001. B-66-184	2,220.000 SF		.		.
0800	517.1050.S ARCHITECTURAL SURFACE TREATMENT (STRUCTURE) 002. R-66-31	330.000 SF		.		.
0810	520.8000 CONCRETE COLLARS FOR PIPE	1.000 EACH		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0820	521.0115 CULVERT PIPE CORRUGATED STEEL 15-INCH	536.000 LF		.		.
0830	521.0118 CULVERT PIPE CORRUGATED STEEL 18-INCH	136.000 LF		.		.
0840	521.0124 CULVERT PIPE CORRUGATED STEEL 24-INCH	80.000 LF		.		.
0850	521.0136 CULVERT PIPE CORRUGATED STEEL 36-INCH	20.000 LF		.		.
0860	521.1015 APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH	38.000 EACH		.		.
0870	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH	8.000 EACH		.		.
0880	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH	4.000 EACH		.		.
0890	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH	372.000 LF		.		.
0900	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH	120.000 LF		.		.
0910	522.0172 CULVERT PIPE REINFORCED CONCRETE CLASS III 72-INCH	120.000 LF		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0920	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH	5.000 EACH		.		.
0930	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	6.000 EACH		.		.
0940	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH	7.000 EACH		.		.
0950	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH	4.000 EACH		.		.
0960	522.1072 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 72-INCH	1.000 EACH		.		.
0970	523.0419 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH	648.000 LF		.		.
0980	523.0519 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH	26.000 EACH		.		.
0990	523.0524 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH	1.000 EACH		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS		UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1000	532.0200.S WALL MODULAR BLOCK GRAVITY	1,056.000	SF		.		.
1010	550.0010 PRE-BORING UNCONSOLIDATED MATERIALS	75.000	LF		.		.
1020	550.1100 PILING STEEL HP 10-INCH X 42 LB	1,325.000	LF		.		.
1030	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A	12.000	LF		.		.
1040	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D	5,692.000	LF		.		.
1050	601.0553 CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE D	7,183.000	LF		.		.
1060	601.0557 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D	1,616.000	LF		.		.
1070	601.0600 CONCRETE CURB PEDESTRIAN	192.000	LF		.		.
1080	602.0405 CONCRETE SIDEWALK 4-INCH	987.000	SF		.		.
1090	602.0410 CONCRETE SIDEWALK 5-INCH	27,930.000	SF		.		.
1100	602.0415 CONCRETE SIDEWALK 6-INCH	53.000	SF		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1110	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW	416.000 SF		.		.
1120	602.1500 CONCRETE STEPS	46.000 SF		.		.
1130	603.1132 CONCRETE BARRIER TYPE S32	140.000 LF		.		.
1140	606.0200 RIPRAP MEDIUM	279.000 CY		.		.
1150	606.0300 RIPRAP HEAVY	435.000 CY		.		.
1160	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	370.000 LF		.		.
1170	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH	91.000 LF		.		.
1180	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	855.000 LF		.		.
1190	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	241.000 LF		.		.
1200	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH	357.000 LF		.		.

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PROJECT(S): 4060-05-70, 4060-05-71
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CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1210	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	577.000 LF		.		.
1220	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH	1,447.000 LF		.		.
1230	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH	319.000 LF		.		.
1240	610.0424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH	215.000 LF		.		.
1250	610.0429 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH	290.000 LF		.		.
1260	610.0434 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH	175.000 LF		.		.
1270	611.0530 MANHOLE COVERS TYPE J	21.000 EACH		.		.
1280	611.0615 INLET COVERS TYPE F	10.000 EACH		.		.
1290	611.0624 INLET COVERS TYPE H	35.000 EACH		.		.
1300	611.0642 INLET COVERS TYPE MS	10.000 EACH		.		.

CONTRACT: 20131210014
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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1310	611.0654 INLET COVERS TYPE V	6.000 EACH		.		.
1320	611.1004 CATCH BASINS 4-FT DIAMETER	7.000 EACH		.		.
1330	611.1005 CATCH BASINS 5-FT DIAMETER	2.000 EACH		.		.
1340	611.1230 CATCH BASINS 2X3-FT	9.000 EACH		.		.
1350	611.1253 CATCH BASINS 2. 5X3-FT	19.000 EACH		.		.
1360	611.2004 MANHOLES 4-FT DIAMETER	5.000 EACH		.		.
1370	611.2005 MANHOLES 5-FT DIAMETER	5.000 EACH		.		.
1380	611.2006 MANHOLES 6-FT DIAMETER	5.000 EACH		.		.
1390	611.2007 MANHOLES 7-FT DIAMETER	3.000 EACH		.		.
1400	611.2008 MANHOLES 8-FT DIAMETER	6.000 EACH		.		.
1410	611.3004 INLETS 4-FT DIAMETER	5.000 EACH		.		.

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PROJECT(S): 4060-05-70, 4060-05-71
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CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1420	611.3253 INLETS 2.5X3-FT	5.000 EACH		.		.
1430	611.3901 INLETS MEDIAN 1 GRATE	7.000 EACH		.		.
1440	611.3903 INLETS MEDIAN 3 GRATE	1.000 EACH		.		.
1450	611.8110 ADJUSTING MANHOLE COVERS	1.000 EACH		.		.
1460	611.8120.S COVER PLATES TEMPORARY	10.000 EACH		.		.
1470	611.9800.S PIPE GRATES	2.000 EACH		.		.
1480	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH	250.000 LF		.		.
1490	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH	1,728.000 LF		.		.
1500	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH	1.000 EACH		.		.
1510	614.2300 MGS GUARDRAIL 3	1,450.000 LF		.		.

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PROJECT(S): 4060-05-70, 4060-05-71
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CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1520	614.2500 MGS THRIE BEAM TRANSITION	120.000 LF		.		.
1530	614.2610 MGS GUARDRAIL TERMINAL EAT	14.000 EACH		.		.
1540	616.0700.S FENCE SAFETY	200.000 LF		.		.
1550	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 001. 4060-05-70	1.000 EACH		.		.
1560	619.1000 MOBILIZATION	1.000 EACH		.		.
1570	623.0200 DUST CONTROL SURFACE TREATMENT	17,719.000 SY		.		.
1580	624.0100 WATER	155.000 MGAL		.		.
1590	625.0100 TOPSOIL	5,950.000 SY		.		.
1600	625.0500 SALVAGED TOPSOIL	86,345.000 SY		.		.
1610	627.0200 MULCHING	57,508.000 SY		.		.

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CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1620	628.1104 EROSION BALES	810.000 EACH		.		.
1630	628.1504 SILT FENCE	22,235.000 LF		.		.
1640	628.1520 SILT FENCE MAINTENANCE	2,224.000 LF		.		.
1650	628.1905 MOBILIZATIONS EROSION CONTROL	1.000 EACH		.		.
1660	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL	2.000 EACH		.		.
1670	628.2004 EROSION MAT CLASS I TYPE B	12,168.000 SY		.		.
1680	628.2027 EROSION MAT CLASS II TYPE C	14,801.000 SY		.		.
1690	628.2037 EROSION MAT CLASS III TYPE C	1,868.000 SY		.		.
1700	628.5505 POLYETHYLENE SHEETING	15.000 SY		.		.
1710	628.7005 INLET PROTECTION TYPE A	49.000 EACH		.		.
1720	628.7010 INLET PROTECTION TYPE B	6.000 EACH		.		.

CONTRACT: 20131210014
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CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1730	628.7015 INLET PROTECTION TYPE C	45.000 EACH		.		.
1740	628.7020 INLET PROTECTION TYPE D	4.000 EACH		.		.
1750	628.7504 TEMPORARY DITCH CHECKS	1,250.000 LF		.		.
1760	628.7555 CULVERT PIPE CHECKS	60.000 EACH		.		.
1770	628.7560 TRACKING PADS	2.000 EACH		.		.
1780	628.7570 ROCK BAGS	560.000 EACH		.		.
1790	629.0210 FERTILIZER TYPE B	54.000 CWT		.		.
1800	630.0120 SEEDING MIXTURE NO. 20	1,920.000 LB		.		.
1810	630.0130 SEEDING MIXTURE NO. 30	1,541.000 LB		.		.
1820	630.0160 SEEDING MIXTURE NO. 60	1,138.000 LB		.		.
1830	630.0200 SEEDING TEMPORARY	500.000 LB		.		.

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CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1840	631.0300 SOD WATER	167.000 MGAL		.		.
1850	631.1000 SOD LAWN	5,950.000 SY		.		.
1860	633.5200 MARKERS CULVERT END	56.000 EACH		.		.
1870	634.0616 POSTS WOOD 4X6-INCH X 16-FT	92.000 EACH		.		.
1880	634.0618 POSTS WOOD 4X6-INCH X 18-FT	52.000 EACH		.		.
1890	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT	23.000 EACH		.		.
1900	637.2210 SIGNS TYPE II REFLECTIVE H	826.330 SF		.		.
1910	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING	14.920 SF		.		.
1920	637.2230 SIGNS TYPE II REFLECTIVE F	472.750 SF		.		.
1930	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING	18.000 SF		.		.
1940	638.2102 MOVING SIGNS TYPE II	24.000 EACH		.		.

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CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1950	638.2602 REMOVING SIGNS TYPE II	151.000 EACH		.		.
1960	638.3000 REMOVING SMALL SIGN SUPPORTS	124.000 EACH		.		.
1970	642.5001 FIELD OFFICE TYPE B	1.000 EACH		.		.
1980	643.0100 TRAFFIC CONTROL (PROJECT) 001. 4060-05-70	1.000 EACH		.		.
1990	643.0100 TRAFFIC CONTROL (PROJECT) 002. 4060-05-71	1.000 EACH		.		.
2000	643.0300 TRAFFIC CONTROL DRUMS	30,696.000 DAY		.		.
2010	643.0410 TRAFFIC CONTROL BARRICADES TYPE II	13,650.000 DAY		.		.
2020	643.0420 TRAFFIC CONTROL BARRICADES TYPE III	24,880.000 DAY		.		.
2030	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	36,976.000 DAY		.		.
2040	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C	9,400.000 DAY		.		.
2050	643.0800 TRAFFIC CONTROL ARROW BOARDS	30.000 DAY		.		.

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CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2060	643.0900 TRAFFIC CONTROL SIGNS	33,033.000 DAY		.		.
2070	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II	16.000 EACH		.		.
2080	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE	414.000 SF		.		.
2090	643.1050 TRAFFIC CONTROL SIGNS PCMS	75.000 DAY		.		.
2100	643.2000 TRAFFIC CONTROL DETOUR (PROJECT) 001. 4060-05-70	1.000 EACH		.		.
2110	643.2000 TRAFFIC CONTROL DETOUR (PROJECT) 002. 4060-05-71	1.000 EACH		.		.
2120	643.3000 TRAFFIC CONTROL DETOUR SIGNS	17,304.000 DAY		.		.
2130	645.0120 GEOTEXTILE FABRIC TYPE HR	1,668.000 SY		.		.
2140	646.0106 PAVEMENT MARKING EPOXY 4-INCH	102,818.000 LF		.		.
2150	649.0100 TEMPORARY PAVEMENT MARKING 4-INCH	1,300.000 LF		.		.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2160	649.1100 TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH	60.000 LF		.		.
2170	650.4000 CONSTRUCTION STAKING STORM SEWER	94.000 EACH		.		.
2180	650.4500 CONSTRUCTION STAKING SUBGRADE	15,382.000 LF		.		.
2190	650.5000 CONSTRUCTION STAKING BASE	15,382.000 LF		.		.
2200	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	13,597.000 LF		.		.
2210	650.6000 CONSTRUCTION STAKING PIPE CULVERTS	47.000 EACH		.		.
2220	650.6500 CONSTRUCTION STAKING STRUCTURE LAYOUT (STRUCTURE) 001. B-66-184	LUMP	LUMP			.
2230	650.6500 CONSTRUCTION STAKING STRUCTURE LAYOUT (STRUCTURE) 002. R-66-31	LUMP	LUMP			.
2240	650.6500 CONSTRUCTION STAKING STRUCTURE LAYOUT (STRUCTURE) 003. R-66-21	LUMP	LUMP			.
2250	650.7500 CONSTRUCTION STAKING CONCRETE BARRIER	140.000 LF		.		.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2260	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 001. 4060-05-70	LUMP	LUMP			.
2270	650.9920 CONSTRUCTION STAKING SLOPE STAKES	32,457.000 LF		.		.
2280	652.0125 CONDUIT RIGID METALLIC 2-INCH	135.000 LF		.		.
2290	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	414.000 LF		.		.
2300	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	544.000 LF		.		.
2310	652.0615 CONDUIT SPECIAL 3-INCH	168.000 LF		.		.
2320	652.0800 CONDUIT LOOP DETECTOR	318.000 LF		.		.
2330	653.0135 PULL BOXES STEEL 24X36-INCH	1.000 EACH		.		.
2340	653.0140 PULL BOXES STEEL 24X42-INCH	6.000 EACH		.		.
2350	653.0222 JUNCTION BOXES 18X12X6-INCH	4.000 EACH		.		.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2360	653.0905 REMOVING PULL BOXES	7.000 EACH		.		.
2370	654.0101 CONCRETE BASES TYPE 1	1.000 EACH		.		.
2380	654.0102 CONCRETE BASES TYPE 2	1.000 EACH		.		.
2390	654.0110 CONCRETE BASES TYPE 10	4.000 EACH		.		.
2400	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL	1.000 EACH		.		.
2410	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG	484.000 LF		.		.
2420	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG	117.000 LF		.		.
2430	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG	809.000 LF		.		.
2440	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED	366.000 LF		.		.
2450	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	774.000 LF		.		.
2460	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG	360.000 LF		.		.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2470	655.0700 LOOP DETECTOR LEAD IN CABLE	1,793.000 LF		.		.
2480	655.0800 LOOP DETECTOR WIRE	917.000 LF		.		.
2490	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 001. USH 45 & STH 28	LUMP	LUMP			.
2500	657.0100 PEDESTAL BASES	1.000 EACH		.		.
2510	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE	1.000 EACH		.		.
2520	657.0310 POLES TYPE 3	1.000 EACH		.		.
2530	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT	1.000 EACH		.		.
2540	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT	1.000 EACH		.		.
2550	657.0630 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 8-FT	1.000 EACH		.		.
2560	657.1345 INSTALL POLES TYPE 9	2.000 EACH		.		.

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FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2570	657.1350 INSTALL POLES TYPE 10	2.000 EACH		.		.
2580	657.1515 INSTALL MONOTUBE ARMS 15-FT	1.000 EACH		.		.
2590	657.1520 INSTALL MONOTUBE ARMS 20-FT	2.000 EACH		.		.
2600	657.1525 INSTALL MONOTUBE ARMS 25-FT	1.000 EACH		.		.
2610	657.1808 INSTALL LUMINAIRE ARMS STEEL 8-FT	2.000 EACH		.		.
2620	657.6005.S ANCHOR ASSEMBLIES LIGHT POLES ON STRUCTURES	4.000 EACH		.		.
2630	658.0110 TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL	9.000 EACH		.		.
2640	658.0115 TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL	2.000 EACH		.		.
2650	658.0215 BACKPLATES SIGNAL FACE 3 SECTION 12-INCH	9.000 EACH		.		.
2660	658.0220 BACKPLATES SIGNAL FACE 4 SECTION 12-INCH	2.000 EACH		.		.
2670	658.0500 PEDESTRIAN PUSH BUTTONS	6.000 EACH		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2680	658.0600 LED MODULES 12-INCH RED BALL	9.000 EACH		.		.
2690	658.0605 LED MODULES 12-INCH YELLOW BALL	9.000 EACH		.		.
2700	658.0610 LED MODULES 12-INCH GREEN BALL	9.000 EACH		.		.
2710	658.0615 LED MODULES 12-INCH RED ARROW	2.000 EACH		.		.
2720	658.0620 LED MODULES 12-INCH YELLOW ARROW	4.000 EACH		.		.
2730	658.0625 LED MODULES 12-INCH GREEN ARROW	2.000 EACH		.		.
2740	658.0635 LED MODULES PEDESTRIAN COUNTDOWN TIMER 16-INCH	6.000 EACH		.		.
2750	658.5069 SIGNAL MOUNTING HARDWARE (LOCATION) 001. USH 45 & STH 28	LUMP	LUMP			.
2760	659.1125 LUMINAIRES UTILITY LED C	3.000 EACH		.		.
2770	661.0100 TEMPORARY TRAFFIC SIGNALS FOR BRIDGES (STRUCTURE) 001. STH 28 & MILWAUKEE RIVER	LUMP	LUMP			.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2780	690.0150 SAWING ASPHALT	39,994.000 LF		.		.
2790	690.0250 SAWING CONCRETE	3,759.000 LF		.		.
2800	715.0502 INCENTIVE STRENGTH CONCRETE STRUCTURES	1,261.000 DOL	1.00000		1261.00	
2810	999.1000.S SEISMOGRAPH 001. 4060-05-70	LUMP	LUMP			.
2820	999.1000.S SEISMOGRAPH 002. 4060-05-71	LUMP	LUMP			.
2830	999.1500.S CRACK AND DAMAGE SURVEY 001. 4060-05-70	LUMP	LUMP			.
2840	999.1500.S CRACK AND DAMAGE SURVEY 002. 4060-05-71	LUMP	LUMP			.
2850	ASP.1T0A ON-THE-JOB TRAINING APPRENTICE AT $5.00/HR	4,000.000 HRS	5.00000		20000.00	
2860	ASP.1T0G ON-THE-JOB TRAINING GRADUATE AT $5.00/HR	3,000.000 HRS	5.00000		15000.00	
2870	SPV.0005 SPECIAL 001. SEED BED PREPARATION **P**	0.300 ACRE		.		.
2880	SPV.0005 SPECIAL 002. SEEDING SPECIAL **P**	0.300 ACRE		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2890	SPV.0035 SPECIAL 100. SLURRY BACKFILL	25.000 CY		.		.
2900	SPV.0060 SPECIAL 001. APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 72-INCH MODIFIED	1.000 EACH		.		.
2910	SPV.0060 SPECIAL 002. PAVEMENT MARKING ARROWS GROOVED PREFORMED THERMOPLASTIC TYPE 2R	3.000 EACH		.		.
2920	SPV.0060 SPECIAL 003. PAVEMENT MARKING ARROWS GROOVED PREFORMED THERMOPLASTIC TYPE 2	1.000 EACH		.		.
2930	SPV.0060 SPECIAL 004. PAVEMENT MARKING WORDS GROOVED PREFORMED THERMOPLASTIC "ONLY"	4.000 EACH		.		.
2940	SPV.0060 SPECIAL 005. SECTION CORNER MONUMENTS SPECIAL	8.000 EACH		.		.
2950	SPV.0060 SPECIAL 006. CONTRACTOR PROVIDED HIGH STR BOLT ASSY FOR MONOTUBE ARMS (TY 9 POLE)	2.000 EACH		.		.
2960	SPV.0060 SPECIAL 007. CONTRACTOR PROVIDED HIGH STR BOLT ASSY FOR MONOTUBE ARMS (TY 10 POLE)	2.000 EACH		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
	SPV.0060 SPECIAL 100.					
2970	WATER VALVE AND BOX 6-INCH	17.000 EACH		.		.
	SPV.0060 SPECIAL 101.					
2980	WATER VALVE AND BOX 10-INCH	15.000 EACH		.		.
	SPV.0060 SPECIAL 102.					
2990	FIRE HYDRANT	9.000 EACH		.		.
	SPV.0060 SPECIAL 103.					
3000	WATER MAIN TEE 10" X 6"	8.000 EACH		.		.
	SPV.0060 SPECIAL 104.					
3010	WATER MAIN TEE 8" X 8"	1.000 EACH		.		.
	SPV.0060 SPECIAL 105.					
3020	WATER MAIN TEE 10" X 10"	1.000 EACH		.		.
	SPV.0060 SPECIAL 106.					
3030	WATER MAIN CROSS 10" X 6"	3.000 EACH		.		.
	SPV.0060 SPECIAL 107.					
3040	WATER MAIN CROSS 10" X 10"	1.000 EACH		.		.
	SPV.0060 SPECIAL 108.					
3050	REDUCER 10" X 6"	2.000 EACH		.		.
	SPV.0060 SPECIAL 109.					
3060	CONNECT WATER MAIN TO EXISTING	11.000 EACH		.		.
	SPV.0060 SPECIAL 110.					
3070	BEND 22.5 DEGREE 6"	4.000 EACH		.		.

CONTRACT: 20131210014
PROJECT(S): 4060-05-70, 4060-05-71
FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
3080	SPV.0060 SPECIAL 111. BEND 45 DEGREE 6"	4.000 EACH		.		.
3090	SPV.0060 SPECIAL 112. BEND 22.5 DEGREE 10"	2.000 EACH		.		.
3100	SPV.0060 SPECIAL 113. BEND 45 DEGREE 10"	8.000 EACH		.		.
3110	SPV.0060 SPECIAL 114. 1" CORPORATION, CURB STOP & BOX SET	53.000 EACH		.		.
3120	SPV.0060 SPECIAL 115. 2" CORPORATION, CURB STOP & BOX SET	5.000 EACH		.		.
3130	SPV.0060 SPECIAL 116. REMOVE FIRE HYDRANT	6.000 EACH		.		.
3140	SPV.0060 SPECIAL 117. REMOVE WATER VALVE	9.000 EACH		.		.
3150	SPV.0060 SPECIAL 118. REMOVE TEE STA. 79+02, 67.50' RT	1.000 EACH		.		.
3160	SPV.0060 SPECIAL 119. REMOVING SANITARY MANHOLE	13.000 EACH		.		.
3170	SPV.0060 SPECIAL 120. ABANDON WATER VALVE	18.000 EACH		.		.

CONTRACT: 20131210014
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CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
3180	SPV.0060 SPECIAL 122. RECONSTRUCT SANITARY MANHOLE	1.000 EACH		.		.
3190	SPV.0060 SPECIAL 123. WATER MAIN TEE 6" X 6"	1.000 EACH		.		.
3200	SPV.0060 SPECIAL 124. BEND 45 DEGREE 8"	1.000 EACH		.		.
3210	SPV.0060 SPECIAL 125. REDUCER 10" X 8"	1.000 EACH		.		.
3220	SPV.0060 SPECIAL 126. FLOUROCARBON GASKET 10-INCH	26.000 EACH		.		.
3230	SPV.0060 SPECIAL 127. WATER MAIN OFFSET 6-INCH	7.000 EACH		.		.
3240	SPV.0060 SPECIAL 128. WATER MAIN OFFSET 10-INCH	8.000 EACH		.		.
3250	SPV.0060 SPECIAL 129. ABANDON FIRE HYDRANT	2.000 EACH		.		.
3260	SPV.0060 SPECIAL 130. ADJUSTING WATER VALVE BOXES	3.000 EACH		.		.
3270	SPV.0085 SPECIAL 001. SEED MIX SPECIAL	4.200 LB		.		.

CONTRACT: 20131210014
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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
	SPV.0090 SPECIAL 001.					
3280	PAVEMENT MARKING GROOVED PREFORMED PLASTIC 4-INCH	575.000 LF		.		.
	SPV.0090 SPECIAL 002.					
3290	PAVEMENT MARKING GROOVED PREFORMED PLASTIC 8-INCH	1,842.000 LF		.		.
	SPV.0090 SPECIAL 003.					
3300	PAVEMENT MARKING STOP LINE GROOVED PREFORMED THERMOPLASTIC 18-INCH	516.000 LF		.		.
	SPV.0090 SPECIAL 004.					
3310	PAVEMENT MARKING CROSSWALK GROOVED PREFORMED THERMOPLASTIC 6-INCH	1,460.000 LF		.		.
	SPV.0090 SPECIAL 005.					
3320	PAVEMENT MARKING CROSSWALK GROOVED PREFORMED THERMOPLASTIC 24-INCH	476.000 LF		.		.
	SPV.0090 SPECIAL 006.					
3330	COCONUT FIBER ROLLS DELIVERED	240.000 LF		.		.
	SPV.0090 SPECIAL 007.					
3340	COCONUT FIBER ROLLS INSTALLED	240.000 LF		.		.
	SPV.0090 SPECIAL 100.					
3350	WATER MAIN 6-INCH	576.000 LF		.		.
	SPV.0090 SPECIAL 101.					
3360	WATER MAIN 10-INCH PVC	2,948.000 LF		.		.

CONTRACT: 20131210014
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FEDERAL ID(S): WISC 2013516, N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
	SPV.0090 SPECIAL 102.					
3370	WATER SERVICE 1-INCH	1,576.000 LF		.		.
	SPV.0090 SPECIAL 103.					
3380	WATER SERVICE 2-INCH	150.000 LF		.		.
	SPV.0090 SPECIAL 104.					
3390	SANITARY SEWER PIPE 8-INCH	2,375.000 LF		.		.
	SPV.0090 SPECIAL 105.					
3400	SANITARY SEWER PIPE 12-INCH	623.000 LF		.		.
	SPV.0090 SPECIAL 107.					
3410	SANITARY LATERAL 6-INCH	2,122.000 LF		.		.
	SPV.0090 SPECIAL 108.					
3420	SANITARY FORCEMAIN 1. 5-INCH	212.000 LF		.		.
	SPV.0090 SPECIAL 109.					
3430	SANITARY SEWER PIPE 10-INCH	52.000 LF		.		.
	SPV.0090 SPECIAL 110.					
3440	SANITARY SEWER PIPE 15-INCH	47.000 LF		.		.
	SPV.0090 SPECIAL 111.					
3450	WATER MAIN 10-INCH DUCTILE IRON	340.000 LF		.		.
	SPV.0090 SPECIAL 112.					
3460	ABANDON SANITARY SEWER	535.000 LF		.		.
	SPV.0090 SPECIAL 113.					
3470	SLURRY BACKFILL TRENCH	10,758.000 LF		.		.

CONTRACT: 20131210014
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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
3480	SPV.0090 SPECIAL 114. REMOVING EXISTING WATER MAIN B-66-950	110.000 LF		.		.
3490	SPV.0105 SPECIAL 001. TRANSPORTING TRAFFIC SIGNAL AND INTERSECT LTG MATERIALS USH 45 & STH 28	LUMP	LUMP			.
3500	SPV.0105 SPECIAL 002. REMOVE TRAFFIC SIGNALS USH 45 & STH 28	LUMP	LUMP			.
3510	SPV.0105 SPECIAL 003. REMOVE LOOP WIRE & LEAD-IN CABLE USH 45 & STH 28	LUMP	LUMP			.
3520	SPV.0105 SPECIAL 004. INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET USH 45 & STH 28	LUMP	LUMP			.
3530	SPV.0105 SPECIAL 005. WILDLIFE ECO-PASSAGE	LUMP	LUMP			.
3540	SPV.0105 SPECIAL 006. RAILING STEEL TYPE C3 GALVANIZED R-66-31	LUMP	LUMP			.
3550	SPV.0105 SPECIAL 007. WE ENERGIES GAS MAIN REMOVAL STRUCTURE B-66-950	LUMP	LUMP			.
3560	SPV.0105 SPECIAL 008. RAILING STEEL TYPE C3 GALVANIZED B-66-184	LUMP	LUMP			.

CONTRACT: 20131210014
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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
3570	SPV.0105 SPECIAL 100. DIRECTIONAL BORE SDR 11 HDPE WATER MAIN PROJECT 4060-05-71	LUMP	LUMP			.
3580	SPV.0105 SPECIAL 101. DUPLEX GRINDER PUMP STATION	LUMP	LUMP			.
3590	SPV.0105 SPECIAL 102. CONSTRUCTION STAKING MISCELLANEOUS VILLAGE UTILITIES	LUMP	LUMP			.
3600	SPV.0165 SPECIAL 002. WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD	1,010.000 SF		.		.
3610	SPV.0165 SPECIAL 100. WATER MAIN INSULATION	65.000 SF		.		.
3620	SPV.0180 SPECIAL 100. CONCRETE BASE 9-INCH, SPECIAL	76.000 SY		.		.
3630	SPV.0195 SPECIAL 001. COARSE AGGREGATE MIX FOR STREAM BED	6.000 TON		.		.
3640	SPV.0200 SPECIAL 100. SANITARY SEWER MANHOLES	134.000 VF		.		.
3650	SPV.0200 SPECIAL 101. WATER VALVE MANHOLE A	8.000 VF		.		.
	SECTION 0001 TOTAL					.
	TOTAL BID					.

PLEASE ATTACH SCHEDULE OF ITEMS HERE