

HIGHWAY WORK PROPOSAL

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

Proposal Number:

Ø 3

COUNTY	STATE PROJECT ID	FEDERAL PROJECT ID	PROJECT DESCRIPTION	HIGHWAY
Dane	1206-07-80		Mt Horeb - Madison Military Ridge Park & Ride Expansion	USH 18

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, \$ 40,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Due Date: January 13, 2015 Time (Local Time): 9:00 AM	Firm Name, Address, City, State, Zip Code
Contract Completion Time June 26, 2015	SAMPLE NOT FOR BIDDING PURPOSES
Assigned Disadvantaged Business Enterprise Goal 0%	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 Excavation common, storm sewer, culverts, base aggregate dense, HMA pavement, concrete pavement, concrete curb and gutter, traffic signals, lighting, signing, pavement marking and landscaping.	
Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

BID PREPARATION

Preparing the Proposal Schedule of Items

A General

- (1) Obtain bidding proposals as specified in **section 102** of the standard specifications prior to 11:45 AM of the last business day preceding the letting. Submit bidding proposals using one of the following methods:
 1. Electronic bid on the internet.
 2. Electronic bid on a printout with accompanying diskette or CD ROM.
 3. Paper bid under a waiver of the electronic submittal requirements.
- (2) Bids submitted on a printout with accompanying diskette or CD ROM or paper bids submitted under a waiver of the electronic submittal requirements govern over bids submitted on the internet.
- (3) The department will provide bidding information through the department's web site at <http://www.dot.wisconsin.gov/business/engrserv/bid-letting-information.htm>. The contractor is responsible for reviewing this web site for general notices as well as information regarding proposals in each letting. The department will also post special notices of all addenda to each proposal through this web site no later than 4:00 P.M. local time on the Thursday before the letting. Check the department's web site after 5:00 P.M. local time on the Thursday before the letting to ensure all addenda have been accounted for before preparing the bid. When bidding using methods 1 and 2 above, check the Bid Express™ on-line bidding exchange at <http://www.bidx.com/> after 5:00 P.M. local time on the Thursday before the letting to ensure that the latest schedule of items Expedite file (*.ebs or *.00x) is used to submit the final bid.
- (4) Interested parties can subscribe to the Bid Express™ on-line bidding exchange by following the instructions provided at the www.bidx.com 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/engrserve/bid-letting-information.htm>. Use Expedite™ software to prepare and print the schedule of items. Provide a valid amount for all price fields. Follow instructions and review the help screens provided on the Bid Express™ web site to assure that the schedule of items is prepared properly.
- (2) Staple an 8 1/2 by 11 inch printout of the Expedite™ generated schedule of items to the other proposal documents submitted to the department as a part of the bidder's sealed bid. As a separate submittal not in the sealed bid envelop but due at the same time and place as the sealed bid, also provide the Expedite™ generated schedule of items on a 3 1/2 inch computer diskette or CD ROM. Label each diskette or CD ROM with the bidder's name, the 4 character department-assigned bidder identification code from the top of the bidding proposal, and a list of the proposal numbers included on that diskette or CD ROM as indicated in the following example:

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

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

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

C Waiver of Electronic Submittal

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

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

(Signature of Attorney-in-Fact)

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

March 2010

LIST OF SUBCONTRACTORS

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

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

[illegible]

DECEMBER 2000

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

Instructions for Certification

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

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

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

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

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

Special Provisions

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SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 1206-07-80, Mt Horeb – Madison, Military Ridge Park and Ride Expansion, USH 18, Dane County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2015 Edition, as published by the department, and these special provisions.

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

100-005 (20140630)

2. Scope of Work.

The work under this contract shall consist of excavation common, storm sewer, culverts, base aggregate dense, HMA pavement, concrete pavement, concrete curb and gutter, traffic signals, lighting, signing, pavement marking and landscaping, 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.

Interim Completion of Work

At the beginning of Stage 2, close Old PB and Maple Grove Dr to through traffic and close one lane of traffic in each direction on E Verona Ave for a maximum of 28 calendar days. Do not reopen until Stage 2 and Stage 3, consisting of the following work along E Verona Ave, has been completed: concrete pavement, concrete pavement repair, concrete curb and gutter, concrete islands, HMA pavement, loop detectors, and all traffic signal work.

If the contractor fails to complete the work necessary to reopen E Verona Ave to two lanes in each direction, and reopen Old PB and Maple Grove Dr to traffic, within 28 calendar days, the department will assess the contractor \$1,135.00 in interim liquidated damages for each calendar day the contract work remains incomplete beyond 28 calendar days. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

Complete all construction operations except for lighting prior to 12:01 AM May 22, 2015.

If the contractor fails to complete all work not related to lighting prior to 12:01 AM May 22, 2015, the department will assess the contractor \$1,135.00 in interim liquidated damages for each calendar day that work remains incomplete after 12:01 AM, May 22, 2015. An entire calendar day will be charged for any period of time within a calendar day that the work remains incomplete beyond 12:01 AM.

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.

A Roadway Staging

Accomplish the construction sequence, including the associated traffic control, as detailed in the Traffic Control/Staging section of the plans, and as described in this Traffic article.

Submit requests for stage changes to the engineer at least one week prior to an actual traffic control change. A request does not constitute approval.

Stage 1: Close the outside through lanes in each direction on E. Verona Avenue. Maintain left turn bays and temporary right turn lanes to Maple Grove Drive and Old PB.

Begin grading for widening, bike path, building removal and constructing curb along E. Verona Avenue.

Stage 2: Outside through lanes in each direction on E. Verona Avenue remain closed. Close Maple Grove Drive and Old PB sideroads. Turn off signal and bag, or turn away from traffic, signal heads. Remove and relocate existing signs to direct traffic to temporary park and ride at Enterprise Drive.

Complete construction of the outside shoulder, outside curb, pork chop islands, outside lane signal loops/concrete pavement repairs.

Stage 3: Close the inside through lanes in each direction on E. Verona Avenue. Maple Grove Drive and Old PB sideroads remain closed. Signal remains off.

Construct the median island nose, inside lane signal loops/concrete pavement repair, left turn lane loops in existing pavement, and signal.

Complete all work for Stages 2 and 3 within 28 calendar days as specified in Article 3, Prosecution and Progress.

B Lot Staging

Keep lot open and accessible except during Stages 2 and 3 when temporary lot accommodations are provided at Enterprise Drive. Maintain a minimum of 40 spaces when lot is open.

C Clear Zone

Store materials or park equipment a minimum of 15 feet from the edge of any roadway carrying traffic unless protected by a concrete barrier.

In areas of concrete pavement repair for traffic loop installation, place concrete the same day it is removed. Drop offs within 4 feet of the edge of the traveled way greater than 3 inches are prohibited.

D Advance Notification

Notify all local emergency services at least one week prior to stage changes. Provide the State Highway Patrol, the Dane County Sheriff's department, and the engineer a current telephone number with which the contractor or his representative can be contacted during non-working hours in the event a safety hazard develops.

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

Lane closures	3 business days
Extended closure hours	3 business days
Local Street openings/closings	7 calendar days
Project Start	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.

5. Utilities.

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

There are underground and overhead facilities within the project limits. Existing power poles and pedestals are located within the grading limits. All stations (STA) and offsets listed below are approximate.

Alliant Energy has overhead **Electric** lines within the construction limits. Extensions will be added to the existing anchor rods at Station 730'EB'+60 RT and Station 731'EB'+20 RT prior to construction. Fill around anchors and utility pole at Station 731'EB'+15 RT according to the plan cross sections. Exercise caution when performing work operations around existing utility facilities.

The existing wood utility pole and street light near Station 51+05 PB will be removed during construction due to a conflict with the new radius. Notify Jeff Nelson, (608) 845-1148, ten working days prior to needing the pole removed.

TDS Telecom has underground **Communication** facilities within the construction limits. Facilities will be lowered in place at the following locations:

Location	Conflict
Site 1, 103'P'+25 LT	18-Inch Culvert Pipe
Site 2, 104'P'+00 RT	Ditch
Site 6, 13'W'+00 – 13'W'+40	Stone weeper trench

All adjustments will be made during construction and are estimated to require 3 total working days to complete. Notify TDS 14 calendar days before the site is ready for adjustments to begin and follow up with a confirmation notice 3 working days in advance.

Conflicts at the following locations are not anticipated:

Location	Work Operation
Site 4, 732'EB'+30 RT	Excavation for roadway base
Site 5, 732'EB'+80 RT	Excavation for roadway base
Site 7, 734'EB'+15 RT	Excavation for roadway base
Site 8, 737'WB'+85 LT	Excavation for roadway base
Site 9, 51'PB'+60 RT	Excavation for roadway base

Notify TDS 14 calendar days prior to excavation to arrange for a representative to be onsite when excavating near these locations.

The TDS field contact is Todd Ellickson, (608) 444-1234, todd.ellikson@tdstelecom.com.

Other Utilities - The following utilities have facilities within the project area; however, no adjustments are anticipated:

Madison Metropolitan Sewage District – Sanitary Sewer -

Have all buried utilities field-located prior to starting construction. The engineer may alter the locations of material being installed under this contract to avoid conflicts with existing utility facilities. Use caution to ensure the integrity of underground utility facilities and maintain OSHA code clearance from overhead facilities at all times.

6. **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 David Layton at (608) 246-3821.

107-054 (20080901)

7. Removing Building STA 730+00, Item 204.0230.01.

Append standard spec 204.3.2.3 as follows:

Robert Stigsell, License Number LII-3628, inspected the building for lead paint on September 9, 2011. Lead paint was found in the white wall paint at a concentration of 9.233% by weight (92,330 PPM). A copy of the inspection report is available from: David Layton, (608) 246-3821, David.Layton@dot.wi.gov.

Robert Stigsell, License Number AII-3628, inspected the Dane County Poor Farm Equipment Storage Barn for asbestos on September 9, 2011. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: David Layton, (608) 246-3821; David.Layton@dot.wi.gov.

In accordance to NR447 and DHS159, ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 4/11), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days prior to beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to Greg Brecka, (608) 245-2671 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: Dane County Poor Farm Equipment Storage Barn
- Site Address: 42°59'39.52" N, 89°30'50.69" W, Verona, WI 53593.
- Ownership Information: Dane County Parks Division, Lyman F. Anderson Agriculture and Conservation Center, 5201 Fen Oak Drive, Room 208, Madison, WI 53718-8827.
- Contact: Darren Marsh
- Phone: (608) 224-3766
- Age: 103 years old.
- Area: 3900 SF

Insert the following paragraph in Section 6.g.:

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

8. QMP Base Aggregate.

A Description

A.1 General

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

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

A.2 Contractor Testing for Small Quantities

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

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

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

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

B Materials

B.1 Quality Control Plan

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

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

B.2 Personnel

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

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

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

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

B.3 Laboratory

- (1) Perform QC testing at a department-qualified laboratory. Obtain information on the Wisconsin laboratory qualification program from:
Materials Management Section
3502 Kinsman Blvd.
Madison, WI 53704
Telephone: (608) 246-5388
<http://www.dot.state.wi.us/business/engrserv/lab-qualification.htm>

B.4 Quality Control Documentation

B.4.1 General

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

B.4.2 Records

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

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

B.4.3 Control Charts

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

B.5 Contractor Testing

- (1) Test gradation, fracture, liquid limit and plasticity index during placement for each base aggregate size, source or classification, and type.
- (2) Test gradation once per 3000 tons of material placed. Determine random sample locations and provide those sample locations to the engineer. Obtain samples after the material has been bladed, mixed, and shaped but before compacting; except collect 3-inch samples from the stockpile at load-out. Do not sample from material used to maintain local traffic or from areas of temporary base that will not have an overlying pavement. On days when placing only material used to maintain local traffic or only temporary base that will not have an overlying pavement, no placement testing is required.
- (3) Split each contractor QC sample and identify it according to CMM 8.30. Retain the split for 7 calendar days in a dry, protected location. If requested for department comparison testing, deliver the split to the engineer within one business day.
- (4) The engineer may require additional sampling and testing to evaluate suspect material or the technician's sampling and testing procedures.
- (5) Test fracture for each gradation test until the fracture running average is above the lower warning limit. Subsequently, the contractor may reduce the frequency to one test per 10 gradation tests if the fracture running average remains above the warning limit.

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

B.6 Test Methods

B.6.1 Gradation

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

B.6.2 Fracture

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

B.6.3 Liquid Limit and Plasticity

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

B.7 Corrective Action

B.7.1 General

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

B.7.2 Placement Corrective Action

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

B.8 Department Testing

B.8.1 General

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

B.8.2 Verification Testing

B.8.2.1 General

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

B.8.3 Independent Assurance

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

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

B.9 Dispute Resolution

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

C (Vacant)

D (Vacant)

E Payment

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

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

301-010 (20100709)

9. Base Aggregate Dense ¾-Inch, Item 305.0110.

Revise standard spec 301.2.4.3 as follows:

Furnish aggregate classified as crushed stone for ¾-Inch base when used in the top 3 inches of the unpaved portion of the shoulder or for unpaved driveways and field entrances.

10. Base Aggregate Dense 1 ¼-Inch, Item 305.0120.

Revise standard spec 305.2.2.1 as follows:

Use 1 ¼-Inch base aggregate that conforms to the following gradation requirements.

SIEVE	PERCENT PASSING BY WEIGHT
1 1/4 inch	95 - 100
1 inch	---
3/4 inch	70 - 90
3/8 inch	45 - 75
No. 4	30 - 60
No. 10	20 - 40
No. 40	7 - 25
No. 200	2 - 12 ^{[1], [2]}

^[1] Limited to a maximum of 8.0 percent for base placed between old and new pavement.

^[2] 3 - 10 percent passing when base is ³ 50% crushed gravel

11. 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, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
616.0700.S	Fence Safety	LF

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

616-030 (20070510)

12. Removing Signs Type II, Item 638.2602.

Replace standard spec 638.3.4(2) with the following:

Signs shall remain property of the department. Deliver signs to 3609 Pierstorff Street, Madison. Contact Iver Peterson at (608) 785-9060 or Jeff Holloway at (608) 246-3268 to coordinate the delivery. Separate the signs by plywood and aluminum and palletize them so they can be unloaded using a forklift. This work will be considered incidental to the bid item “Removing Signs Type II”.

13. Bicycle Rack Asphalt or Concrete-Mounted, Item 999.1950.S.

A Description

Furnish and install a bicycle rack on an asphaltic or concrete surface, as shown on the plans and as hereinafter provided.

B Materials

B.1 General

Provide a steel bicycle rack that has been manufactured specifically for use as a bicycle parking rack.

The bicycle rack shall be hot-dipped galvanized, or TGIC (triglycidyl isocyanurate) powder-coated, or plastic-coated. Steel anchors, and miscellaneous hardware shall be hot-dipped galvanized. For powder-coated or plastic-coated racks, provide a black bicycle rack.

The bicycle rack base shall have flanges, rails, or tubes that allow the rack to stand upright and can be bolted or screwed in place.

B.2 Hanger Style Rack Loaded from Two Sides

The hanger-style bicycle rack shall be designed to park at least nine bicycles with arms offset, or centered, in such a manner so that the rack will be loaded from two sides by bicyclists. Pad shall accommodate space on both sides of rack according to the manufacturer's specification to allow bikes to be locked to both sides of rack and for bicyclists to access both sides of rack when racks are full of bikes. This typically requires 8-feet to 9-feet on both sides of the rack measured from the center post (the post to which the hangers are attached).

Furnish a 9 bike capacity rack that is on the department's approved product list under "Hanger Style Racks Loaded from Two Sides."

C Construction

Install rack with enough clearance to allow bicyclists to load their bikes from both sides according to the manufacturer's specifications.

Secure the rack to asphalt or concrete surface with anchor bolts or screws according to the manufacturer's recommendations.

D Measurement

The department will measure Bicycle Rack Asphalt or Concrete-Mounted 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
999.1950.S	Bicycle Rack Asphalt or Concrete-Mounted	Each

Payment is full compensation for furnishing and installing the bicycle rack including all mounting hardware.

14. Crushed Limestone 3-inch, Item SPV.0035.01.

A Description

This special provision describes providing Crushed Limestone 3-inch.

B Materials

Furnish crushed limestone rock from a department-approved source substantially free of unconsolidated overburden materials, topsoil, organic materials, and other deleterious materials.

A department-approved source is a source with acceptable department test results for wear and soundness on record. The engineer may also approve other sources as follows:

- Mined or quarried waste limestone rock that, in the engineer's opinion, is hard, durable, and when processed through a primary crusher, will produce a material similar in size and texture to that produced from a quarry face.
- Limestone rock from a new or untested quarry or pit that the engineer judges hard, durable, and comparable to that normally used to produce aggregate.

Conform to the following gradation:

Sieve Size	% Passing by Weight
3-inch	100
2-1/2 inch	90-100
2-inch	35-70
1-1/2 -inch	0-15
3/4-inch	0-5

The department will assess select crushed material acceptability based primarily on the engineer's visual inspection. The department may also test for gradation.

C Construction

Place Crushed Limestone 3-inch where the plans show or as the engineer directs.

Compact material using standard compaction conforming to standard spec 301.3.4.2.

D Measurement

The department will measure Crushed Limestone 3-Inch by the cubic yard, acceptably completed. The department will determine volume by the cubic yard of measured material, acceptably completed in place after compaction.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.01	Crushed Limestone 3-Inch	CY

Payment for Crushed Limestone 3-inch is full compensation for providing, placing and compacting material.

15. Bus Shelter, Item SPV.0060.01.**A Description**

This special provision describes designing, fabricating, delivering and installing bus shelters.

B Material**B.1 General**

Provide shelters 4'-3.75" deep x 8'-5" wide x 7'-9" high with a barrel vault roof, integral aluminum bench, windscreen, and two display cases. Layout the bench, windscreen (with shelter opening) and display cases as shown in the plan details.

Provide a shelter from a manufacturer with a minimum of 10 years experience in the design and manufacture of aluminum bus shelters.

Design shelter to withstand a minimum vertical and horizontal wind load of 20 PSF, the roof to withstand a minimum dead load of 40 PSF, and the shelter to be stable with or without wall and roof glazing.

Use anodized aluminum with a dark bronze finish conforming to the standards of the Aluminum Association. Use 6063-T5 alloy one piece seamless extruded aluminum tubes for all structural framing members and mullions, 6063-T5 alloy extruded aluminum for all roof and glazing frame sections and 6061-T5 alloy extruded aluminum sections for all structural connector channels, roof corner key angles, and base anchor boots.

Design all connections and glazing containment to be tamper proof.

Use glazing conforming to the ANSI Safety Standard for Architectural Glazing Materials Z97.1-1975.

Prefabricate shelter in 4 or more clearly labeled modular sections complete and ready for field erection. Include a boxed hardware kit complete with installation instructions.

Submit shop drawings and product data, along with manufacturer's statement of certification that materials meet or exceed these specifications.

Submit a manufacturer's color sample and glazing sample for approval by engineer before placing order for materials.

B.2 Framing members

Use 2-1/2" x 2-1/2" x 1/8" thick square tube for all vertical support posts and top and bottom horizontal beams. Use 1-1/2" x 2-1/2" x 1/8" thick rectangular tube for all mullions.

B.3 Structural connections

Factory apply all structural connector clips. Use extruded aluminum clips 2-1/4" x 2-1/4" x 1/4" thick or 1-1/4" x 2-1/4" x 1/4" thick with tapered edges that will be concealed when field assembly is complete.

Attach connector clips to the frame at main structural joints with two stainless steel hex bolts 1/4 - 20 x 3/4" with flat washers, lock washers, and nuts.

Attach mullion clips shall to the frame with two 1/4" diameter stainless steel flush break rivets.

B.4 Field connections

Use concealed field connections to join modular wall sections.

Use two 1/4" countersunk aluminum and stainless steel drive rivets for connection to structural clips to achieve a flush finished joint.

B.5 Fasteners

Use tamper proof fasteners made of aluminum, stainless steel or a combination thereof. Finish exposed fasteners to match shelter finish. Do not use self-tapping or self-drilling fasteners or fasteners made of zinc, carbon steel, plated material, or other "non-corrosive" material.

B.6 Window framing

Use special "F" shaped aluminum extrusions with integral alignment lip and corner key slot for all window frames. Miter and reinforce all corners with internal corner keys.

Affix window frames to shelter frame with 3/16" diameter aluminum flush break rivets approximately 13" on center.

Design window frame to provide a minimum 3/4" engagement of glazing material on all sides.

Attachment shall be from exterior of shelter for maximum replacement accessibility with no fasteners showing on the outside face of columns or mullions.

Ship window frames securely attached to wall module.

B.7 Glass and Glazing

Use 22" x 72-1/2" x 1/4" thick clear tempered safety glass panels. Attach glass panels with gasketed wall glazing made of continuous extruded PVC dry-set splines.

B.8 Roof Assembly

Provide one piece 6" high extruded aluminum fascia with mitered corners, integral self-aligning attachment lip, two corner key slots at each corner, internal gutter, and top and bottom edges rounded for safety.

Connect outside mitered corners with a 1/4" thick aluminum angle and two stainless steel allen head set screws. Connect inside mitered corners with two 1/8" thick aluminum angle keys and concealed fasteners to prevent twist prior to installation.

Attach roof assembly to shelter frame through self-alignment lip into header with aluminum and stainless steel tamper proof fasteners in shear. Do not use self-drilling or self-tapping fasteners or fasteners in tension to securing roof assembly to frame.

Design roof to be serviceable without removing fascia and to direct drainage to rear of shelter, away from shelter walls.

Self-drilling or self-tapping screws in tension are not an acceptable method for roof dome containment.

B.9 Finishes

Anodize all exposed aluminum components (including barrel vault roof, brackets and anchor bolts) dark bronze Architectural Class I finish in conformance with "The Aluminum Association Designation System for Aluminum Finishes".

C Construction

Mount the bus shelter on a concrete pad per manufacturer's instructions. Field verify each bus shelter location; any field adjustment required shall be approved by the engineer prior to placement. Install bus shelters plumb and shimmed where required.

D Measurement

The department will measure Bus Shelter as each individual shelter, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Bus Shelter	Each

Payment is full compensation for furnishing and installing the bus shelter including all mounting hardware. The department will pay separately for a mounting pad under the Concrete Sidewalk bid item.

16. Moving Historical Marker, Item SPV.0060.02.

A Description

This special provision describes moving a historical marker sign and supports.

B (Vacant)

C Construction

Carefully remove existing sign and supports. Store assembly where it will not be damaged. Re-erect sign and supports at the new location after grading is complete. If required by the engineer, embed the sign supports in concrete. Repair any damage to the sign caused during moving or storage.

D Measurement

The department will measure Moving Historical Marker 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.0060.02	Moving Historical Marker	Each

Payment is full compensation for furnishing all work required including removing, storing, moving, and re-erecting the sign assembly; for concrete footings, if required; and repairing any damage to the sign.

17. Reestablish Section Corners, Item SPV.0060.03.

A Description

This special provision describes establishing temporary witness monuments (ties), establishing permanent witness monuments, and reestablishing section corners.

B Materials

Provide witness monument material consisting of iron rods or pipes at least 30 inches long and weighing not less than 3.65 pounds per linear foot.

C Construction

Complete work under the direction of a Registered Land Surveyor in the State of Wisconsin as follows.

Install at least 4 temporary witness monuments for construction. If permanent witness monuments can be located in the section corner's near vicinity outside of the construction limits, they may be installed in lieu of temporary witness monuments. Preserve, in their original position, all section corners until installation of the temporary witness monuments is complete. Preserve temporary witness monuments until the section corner is reestablished. Provide a temporary tie sheet to the department and the county surveyor for use by the public during the construction phase of the project and before final monumentation is complete.

Reestablish section corner locations and install Landmark Reference Monuments conforming to standard spec 621. Install at least four permanent witness monuments in the section corner's near vicinity and at the exact locations the engineer determines.

Prepare and file final U.S. Public Land Survey monument records in accordance with the Wisconsin Administrative Code Chapter A-E 7.08. Provide a copy to the WisDOT SW Region Madison Survey Coordinator.

D Measurement

The department will measure Reestablish Section Corners as each individual section corner acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.03	Reestablish Section Corners	Each

Payment is full compensation for establishing temporary and permanent witness monuments; for reestablishing the section corner; for providing witness monument materials; and for preparing and filing final monument records.

The department will pay separately for constructing section corner monuments under the Landmark Reference Monuments bid item as specified in standard spec 621.

18. Concrete Bases Type 5 Tall, Item SPV.0060.04; Concrete Bases Type 5 Wide, Item SPV.0060.05.

Construct concrete bases in accordance to standard spec 654 and the plan details.

19. Precast Concrete Sign Base, Item SPV.0060.07.

A Description

This special provision describes constructing and installing precast sign post bases at locations shown on the plans and as hereinafter provided.

B Materials

All materials furnished for the work shall meet the requirements for the class of materials named.

Specific reference is made to the following sections of the standard specifications:

Concrete Masonry	standard spec 501
Steel Reinforcement	standard spec 505

Concrete Masonry shall be of a 3,200-psi minimum strength in 28 days. The 2-inch x 24-inch +1/3-inch insert shall be an ASTM Designation 120 A53 Fed Spec P404, Schedule 40 untreated black pipe 2-inch diameter, with a galvanized rigid conduit coupling installed.

C Construction

Form the 24-inch x 11-inch precast base in accordance to the details in the plan. Weld the coupling and pipe over 50 percent of the circumference. Center the insert in the base and plumb with the vertical axis of the base, and place so that the coupling is flush 1/8 inch with the top of the troweled surface of the base. The bottom of the insert extends a minimum of 1/8-inch below the base and shall remain open to permit drainage. Weld 3/8-inch by 8-inch reinforcing bar to the insert 8 inches from the top of the base and 8 inches from the bottom of the base to prevent the insert from rotating within the concrete base.

Set the signpost bases at the locations shown on the plans. The center of the finished installation shall be 5'0" + inches from the face of the adjacent curb or from the edge of paved shoulder.

Upon request and reasonable notice from the contractor, the engineer will establish and stake the location for the sign post bases. The City of Madison Traffic Engineering Division Staff will verify all signpost base locations.

Coat the threads of the pipe and coupling in the base with graphite grease prior to assembly. Install the base and pipe as a unit, level with the finished grade of the surrounding surface with the pipe plumb. Tamp the material used for backfilling around the base in 6-inch layers to ensure the installation will remain plumb.

Remove and dispose of all excess excavation, surplus material and debris resulting from operations and satisfactorily repair and restore other work damaged by operations.

D Measurement

The department will measure Precast Concrete Sign Base by the unit, installed 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.0060.07	Precast Concrete Sign Base	Each

Payment is full compensation for furnishing all materials; for the manufacture of the sign post base; for hauling, handling and installing the sign post base, including backfill.

20. Sign Post Base for Concrete Installation, Item SPV.0060.08.

A Description

This special provision describes constructing and installing the sign post bases in concrete sidewalk or pavement at locations shown on the plans and as hereinafter provided.

B Materials

The 2-inch x 16-inch signpost base shall be an ASTMA Designation 120 A53 Fed Spec P404, Schedule 40 untreated black pipe 2-inch diameter, with a galvanized rigid conduit coupling installed.

Waterproof anchoring cement for concrete shall be Unitex, Thorogrip 29/64, or equivalent.

C Construction

The signpost base shall consist of a 2-inch x 16-inch schedule 40 pipe with attached 2-inch rigid conduit galvanized coupling in accordance to the plan details. Weld the coupling and pipe over 100 percent of the circumference.

Set the signpost bases at the locations shown on the plans. The center of the finished installation shall be 5'-0" (2'-6" for Advanced Street Name Sign Special installations) from the face of the adjacent curb or from the edge of paved shoulder. Upon request and reasonable notice from the contractor, the engineer will establish and stake the location for the sign post bases. The City of Madison Traffic Engineering Division Staff will verify all signpost base locations.

All installations in hard surfaced areas (concrete) shall be "boxed out" with a round PVC pipe with a minimum diameter of 3-inches or installed by drilling or coredrilling a 3-inch hole all the way through the concrete to the base material. If drilling in architectural concrete pavement, cover the surface prior to drilling to protect the surface from drilling slurry. Coordinate all "box-outs" locations. With a temporary pipe 4 to 5 feet long, hand-tighten it into the insert. Drive the insert into the base material at a level/plumb position until the insert is flush with the top of the concrete. Shim insert to a level/plumb position with lag bolts or PK nails. Set all shims below the concrete/insert. Remove temporary pipe, replace with permanent pipe, and tighten into insert with large pipe wrench until insert turns. Reset shims or add shims until pipe no longer turns. Retighten pipe and recheck level/plumb/top of concrete with insert. Patch concrete with a waterproof anchoring cement for concrete. Mix patch to a liquid consistency, not a paste. Pour patch until it is flush with the top of the insert. Recheck level/plumb/top of concrete with insert immediately due to fast setting time of cement. Additional cement may be required as it settles. Completed installation shall be level/plumb, solid, and able to support required signpost and signs. Patch shall be flush with adjacent concrete without exposed shims.

Coat the threads of the pipe and coupling in the base with graphite grease prior to assembly. Install the base such that the installed sign post will be plumb.

Remove and dispose of all excess excavation, surplus material and debris resulting from operations and satisfactorily repair and restore other work damaged by operations.

D Measurement

The department will measure Sign Post Base for Concrete Installation 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.0060.08	Sign Post Base for Concrete Installation	Each

Payment is full compensation for furnishing all materials; for the manufacture of the sign post base; for hauling, handling and installing the sign post base including drilling holes in concrete; anchoring cement.

21. Seeding Mixture No. 75 Special, Item SPV.0085.01.

Prepare seed beds and furnish and sow the seed in accordance to standard spec 630 except supply a modified mix as follows.

SPECIES		SPECIES BOTANICAL NAME	PURITY and GERMINATION minimum %	MIXTURE PROPORTIONS in percent
FORBES	Canada Anemone	<i>Anemone canadensis</i>	PLS	
	Butterflyweed	<i>Asclepias tuberosa</i>	PLS	2
	New England Aster	<i>Aster novae-angliae</i>	PLS	2
	Partridge-pea	<i>Chamaecrista (Cassia) fasciculata</i>	PLS	
	Purple Prairie Clover	<i>Dalea (Petalostemum) purpurea</i>	PLS	4
	Canada Tick-trefoil	<i>Desmodium canadense</i>	PLS	2
	Flowering Spurge	<i>Euphorbia corollata</i>	PLS	
	Wild Geranium	<i>Geranium maculatum</i>	PLS	
	Western Sunflower	<i>Helianthus occidentalis</i>	PLS	
	Rough Blazingstar	<i>Liatris aspera</i>	PLS	
	Prairie Blazingstar	<i>Liatris pycnostachya</i>	PLS	
	Lupine	<i>Lupinus perennis</i>	PLS	
	Wild Bergamot	<i>Monarda fistulosa</i>	PLS	4
	Horse Mint	<i>Monarda punctata</i>	PLS	
	Yellow Coneflower	<i>Ratibida pinnata</i>	PLS	
	Blackeyed Susan	<i>Rudbeckia hirta</i>	PLS	1
	Showy Goldenrod	<i>Solidago speciosa</i>	PLS	
	Spiderwort	<i>Tradescantia ohiensis</i>	PLS	
	Golden Alexanders	<i>Zizia aurea</i>	PLS	
GRASSES	Big Bluestem	<i>Andropogon gerardi</i>	PLS	20
	Sideoats Grama	<i>Bouteloua curtipendula</i>	PLS	
	Canada Wildrye	<i>Elymus Canadensis</i>	PLS	35
	Slender Wheatgrass	<i>Elymus trachycaulus</i>	PLS	
	Junegrass	<i>Koeleria macrantha</i>	PLS	
	Annual Ryegrass	<i>Lolium multiflorum</i>	[1]	10
	Switchgrass	<i>Panicum virgatum</i>	PLS	
	Salt Grass	<i>Puccinella distans</i>	[1]	
	Little Bluestem	<i>Schizachyrium (Andropogon) scoparium</i>	PLS	10
	Indiangrass	<i>Sorghastrum nutans</i>	PLS	10
ALTERNATE FORBES	Sky Blue Aster	<i>Aster azureus</i>	PLS	
	White Wild Indigo	<i>Baptisia leucantha</i>	PLS	
	Pale Purple Coneflower	<i>Echinacea pallida</i>	PLS	
	White Prairie Clover	<i>Petalostemum candidum</i>	PLS	
	Stiff Goldenrod	<i>Solidago rigida</i>	PLS	
	Hoary Vervain	<i>Verbena stricta</i>	PLS	

[1] Provide the minimum purity and germination specified in 630.2.1.5.1.1.1(3) in the table of highway seed mixtures.

22. Sign Post, Item SPV.0090.01; Reflective Sign Post, Item SPV.0090.02.

A Description

This special provision describes furnishing and installing new signposts or reflective signposts. All signposts shall be round tubular steel and installed as shown in the plans.

B Materials

All materials shall conform to the standard specifications for hot rolled carbon sheet steel, commercial quality, ASTM A-570-GR-33 for zinc coated tubing to resist corrosion. The tube shall be 2-inch, Schedule-40. Reflective signpost shall have two sheets of engineer grade yellow sheeting completely around pipe as shown in the plans.

C Construction

Install the signposts at the locations shown on the plans and approved by the engineer. If the finished grade cannot be determined, ask the engineer to identify the final grade. All signs shall be in a true vertical position. Install all signs to conform to the latest edition of the Manual on Uniform Traffic Control Devices. Also, locate all underground utilities prior to placing signposts. Cut off excess length of post in the field to provide the desired sign clearance.

All materials damaged during construction shall be replaced with new items at no cost to the department.

D Measurement

The department will measure Sign Post and Reflective Sign Post by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Sign Post	LF
SPV.0090.02	Reflective Sign Post	LF

Payment is full compensation for furnishing and installing all necessary posts; reflective sheeting; hardware and anchors. All materials damaged during construction shall be replaced with new items at no cost to the department.

23. Remove and Reinstall Traffic Signals, Item SPV.0105.01.

A Description

This special provision describes removing and reinstalling existing traffic signal equipment in accordance to the plans and as hereinafter provided. Additional specific removal items are noted in the plans.

B Materials

This item includes the removal and reinstallation of existing traffic signal equipment only. Items included under this bid item include transformer/pedestal bases, monotube poles and arms, poles, standards, signal heads, backplates, signal mounting hardware, traffic signal cabinets, emergency vehicle preemption equipment, luminaire arms and luminaires.

C Construction

Contact the City of Madison Traffic Engineering Department at least 7 days prior to the removal of the traffic signals. Complete the removal work as soon as possible following shut down of this equipment.

Bag or turn away from traffic all unlit signal heads. Remove bagging, or return to correct position, all signal heads upon signal completion.

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 and/or salvage existing cables and wiring as required. Salvage and retain all cables and wiring unless construction activities require reconstruction of an existing section of conduit. Remove cables and wiring from sections of conduit which are to be removed. Quantities for new cable and wire are included for new relocated bases and sections of conduit only.

Remove all standards and poles per plan from their concrete footings and disassemble out of traffic. Remove the transformer bases from each 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.

Reinstall all items in accordance to the pertinent provisions of standard specs 657, 658 and 659.

Document the existing signal cable conductor wiring for the entire intersection prior to removing any equipment. Provide signal cabling documentation to the engineer for as-built preparation. Follow existing signal cable wiring patterns for new or re-installations.

D Measurement

The department will measure Remove and Reinstall 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.0105.01	Remove and Reinstall Traffic Signals	LS

Payment is full compensation for removing, disassembling traffic signals, bagging and unbagging (or turning) of signal heads, scrapping of some materials, disposing of scrap material, for delivering the requested materials to the department, for documenting existing signal cabling, and incidentals necessary to complete the contract work.

24. Preparing Topsoil for Lawn Type Turf, Item SPV.0180.01.

A Description

This special provision describes preparing the bed of topsoil or salvaged topsoil, for seeding or placing sod, in areas designated by the plan.

B (Vacant)

C Construction

Prepare and finish the subgrade so that rocks, concrete debris, or wood larger than 3 inches in diameter are not present within 1 foot of the finished surface of the topsoil.

Remove or break down all clods and lumps in the topsoil by using harrows or discs, screening, or other appropriate methods to provide a uniformly textured soil, in which 100 percent of the topsoil passes a one-inch sieve and at least 90 percent passes a No. 10 sieve.

Remove rocks, twigs, clods, and other foreign material that will not break down, and dress the entire surface to present a uniform appearance.

Shape the topsoil so that the horizontal or sloped surface between any two points 10 feet apart does not vary by more than 1 inch. Roll with a turf type roller to a uniform minimum compacted depth of 6 inches.

Shape and compact the topsoil adjacent to pavements, sidewalks and curbs to 1 inch below the top of the abutting surface. Before seeding, correct locations that vary by more than 1/4-inch.

D Measurement

The department will measure Preparing Topsoil for Lawn Type Turf by the square yard acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.01	Preparing Topsoil for Lawn Type Turf	SY

Payment is full compensation for preparing the subgrade and topsoil bed for sod or seed as described above.

ADDITIONAL SPECIAL PROVISION 4

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

Release of Routine Retainage

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

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

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

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

ADDITIONAL SPECIAL PROVISION 6

ASP 6 - Modifications to the standard specifications

Make the following revisions to the standard specifications:

450.3.2.1 General

Replace the entire text with the following effective with the January 2015 letting:

- (1) Do not place asphaltic mixture when the air temperature approximately 3 feet above grade, in shade, and away from artificial heat sources is less than 36 F for upper layers or 32 F for lower layers unless the engineer allows in writing. The contractor should place HMA pavement for projects on or north of STH 29 between May 1 and October 15 inclusive and for projects south of STH 29 between April 15 and November 1 inclusive. Notify the engineer at least one business day before paving.
 - (2) Unless the contract specifies otherwise, conform to the following:
 - Keep the road open to all traffic during construction.
 - Prepare the existing foundation for treatment as specified in 211.
 - Incorporate loose roadbed aggregate as a part of preparing the foundation, in shoulder construction, or dispose of as the engineer approves.
 - (3) Place asphaltic mixture only on a prepared, firm, and compacted base, foundation layer, or existing pavement substantially surface-dry and free of loose and foreign material. Do not place over frozen subgrade or base, or where the roadbed is unstable.
-

450.5 Payment

Replace the entire text with the following effective with the January 2015 letting:

- (1) All costs of furnishing, maintaining, and operating the truck scale or other weighing equipment and furnishing the weigh tickets are incidental to the contract.
 - (2) Nonconforming material allowed to remain in place is subject to price adjustment under 105.3.2.
 - (3) Full-depth sawing to remove integrally placed safety edge where not required is incidental to the contract.
 - (4) The contractor is responsible for pavement performance. If because of an excusable compensable delay under 108.10.3, the engineer directs the contractor to pave when the temperature is less than 36 F for the upper layer or less than 32 F for lower layers, the department:
 - Will relieve the contractor of responsibility for damage and defects the engineer attributes to cold weather paving.
 - Will not assess disincentives for density or ride.
-

455.3.2.1 General

Replace paragraphs one and two with the following effective with the January 2015 letting:

- (1) Apply tack coat only when the air temperature is 32 F or more unless the engineer approves otherwise in writing. Before applying tack coat ensure that the surface is dry and reasonably free of loose dirt, dust, or other foreign matter. Do not apply if weather or surface conditions are unfavorable or before impending rains.
- (2) Use tack material of the type and grade the contract specifies. The contractor may, with the engineer's approval, dilute tack material as allowed under 455.2.4. Provide calculations using the asphalt content as-received from the supplier and subsequent contractor dilutions to show that as-placed material has 50 percent or more residual asphalt content. Apply at 0.050 to 0.070 gallons per square yard, after dilution, unless the contract designates otherwise. The engineer may adjust the application rate based on surface conditions. Limit application each day to the area the contractor expects to pave during that day.

460.2.2.3 Aggregate Gradation Master Range

Replace paragraph one with the following effective with the December 2014 letting:

- (1) Ensure that the aggregate blend, including recycled material and mineral filler, conforms to the gradation requirements in table 460-1. The values listed are design limits; production values may exceed those limits.

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

SIEVE	PERCENTS PASSING DESIGNATED SIEVES						
	NOMINAL SIZE						
	37.5 mm	25.0 mm	19.0 mm	12.5 mm	9.5 mm	SMA 12.5 mm	SMA 9.5 mm
50.0-mm	100						
37.5-mm	90 – 100	100					
25.0-mm	90 max	90 - 100	100				
19.0-mm	—	90 max	90 - 100	100		100	
12.5-mm	—	—	90 max	90 - 100	100	90 - 97	100
9.5-mm	—	—	—	90 max	90 - 100	58 - 72	90 - 100
4.75-mm	—	—	—	—	90 max	25 - 35	35 - 45
2.36-mm	15 – 41	19 - 45	23 - 49	28 - 58	20 - 65	15 - 25	18 - 28
75-µm	0 – 6.0	1.0 - 7.0	2.0 - 8.0	2.0 - 10.0	2.0 - 10.0	8.0 - 12.0	10.0 - 14.0
% MINIMUM VMA	11.0	12.0	13.0	14.0 ^[1]	15.0 ^[2]	16.0	17.0

^[1] 14.5 for E-0.3 and E-3 mixes.

^[2] 15.5 for E-0.3 and E-3 mixes.

460.3.4 Cold Weather Paving

Add a new subsection as follows effective with the January 2015 letting:

460.3.4 Cold Weather Paving**460.3.4.1 Cold Weather Paving Plan**

- (1) Submit a written cold weather paving plan to the engineer at the preconstruction meeting. In that plan outline material, operational, and equipment changes for paving when the air temperature approximately 3 feet above grade, in shade, and away from artificial heat sources is less than 40 F. Include the following:
- Use a department-accepted HMA mix design that incorporates a warm mix additive from the department's approved products list. Do not use a foaming process.
 - Use additional rollers.

- (2) Engineer written acceptance is required for the cold weather paving plan. Engineer acceptance of the plan does not relieve the contractor of responsibility for pavement performance except as specified in 450.5(4).

460.3.4.2 Cold Weather Paving Operations

- (1) Do not place asphaltic mixture when the air temperature approximately 3 feet above grade, in shade, and away from artificial heat sources is less than 40 F unless a valid engineer-accepted cold weather paving plan is in effect.
- (2) If the national weather service forecast for the construction area predicts ambient air temperature less than 40 F at the projected time of paving within the next 24 hours, confirm or submit revisions to a previously engineer-accepted cold weather paving plan for engineer validation. Upon validation of the plan, the engineer will allow paving for the next day. Once in effect, pave conforming to the engineer-accepted cold weather paving plan for the balance of that work day or shift regardless of the temperature at the time of paving.

460.4 Measurement

Add paragraph two as follows effective with the January 2015 letting:

- (2) The department will measure HMA Cold Weather Paving by the ton of HMA mixture for pavement placed conforming to an engineer-accepted cold weather paving plan.

460.5.1 General

Revise paragraph one as follows effective with the January 2015 letting:

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

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
460.1100	HMA Pavement Type E-0.3	TON
460.1101	HMA Pavement Type E-1	TON
460.1103	HMA Pavement Type E-3	TON
460.1110	HMA Pavement Type E-10	TON
460.1130	HMA Pavement Type E-30	TON
460.1132	HMA Pavement Type E-30X	TON
460.1700	HMA Pavement Type SMA	TON
460.2000	Incentive Density HMA Pavement	DOL
460.4000	HMA Cold Weather Paving	TON

460.5.2.2 Disincentive for HMA Pavement Density

Revise paragraph two as follows effective with the January 2015 letting:

- (2) The department will not assess density disincentives for pavement placed in cold weather because of a department-caused delay as specified in 450.5(4).

460.5.2.4 Cold Weather Paving

Add a new subsection as follows effective with the January 2015 letting:

460.5.2.4 Cold Weather Paving

- (1) Payment for HMA Cold Weather Paving is full compensation for additional materials and equipment specified for cold weather paving under 460.3.4 including costs for preparing, administering, and following the contractor's cold weather paving plan.
- (2) If HMA pavement is placed under 460.3.4 and the HMA Cold Weather Paving bid item is not in the contract, the department will pay for the additional costs specified in 460.5.2.4(1) as extra work. The department will pay separately for HMA pavement under the appropriate HMA Pavement bid items.

465.2 Materials

Replace paragraph two with the following effective with the December 2014 letting:

- (2) Under the other section 465 bid items, the contractor need not submit a mix design. Furnish aggregates mixed with a type AC asphaltic material, except under the Asphaltic Curb bid item furnish PG58-28 asphaltic material. Use coarse and fine mineral aggregates uniformly coated and mixed with the asphaltic material in an engineer-approved mixing plant. The contractor may include reclaimed asphaltic pavement materials in the mixture.

Bid Items Added

Add the following new bid item effective with the January 2015 letting:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
460.4000	HMA Cold Weather Paving	TON

Errata

Make the following corrections to the standard specifications:

501.3.2.4.4 Water Reducer

Correct errata by deleting the reference to footnote 6 for grade D concrete.

- (1) Add a water reducing admixture conforming to 501.2.3. Determine the specific type and rate of use based on the atmospheric conditions, the desired properties of the finished concrete and the manufacturer's recommended rate of use. The actual rate of use shall at least equal the manufacturer's recommended rate, and both the type and rate used require the engineer's approval before use.

ADDITIONAL SPECIAL PROVISION 7

- A. Reporting 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://www.dot.wi.gov/business/civilrights/laborwages/index.htm>

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

(3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin payrolls. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Tess Mulrooney at 608-267-4489 to schedule the training.

(4) The department will reject all paper submittals of forms DT-1816 and DT-1929 for information required under this special provision. All costs for conforming to this special provision are incidental to the contract.

(5) Firms wishing to export payroll data from their computer system into CRCS should have their payroll coordinator send several sample electronic files to Tess two months before a payroll needs to be submitted. Not every contractor's payroll system is capable of producing export files. For details, see pages 17-22 of the CRCS System Background Information manual available online on the Labor, Wages, and EEO Information page at: <http://www.dot.wi.gov/business/civilrights/laborwages/docs/crc-payroll-manual.pdf>

DECEMBER 2013

BUY AMERICA PROVISION

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials from smelting forward in the manufacturing process must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America. The exemption of this requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project. The contractor shall take actions and provide documentation conforming to CMM 2-28.5 to ensure compliance with this "Buy America" provision.

<http://roadwaystandards.dot.wi.gov/standards/cmm/cm-02-28.pdf#cm2-28.5>

Upon completion of the project certify to the engineer, in writing using department form WS4567, that all steel, iron, and coating processes for steel or iron incorporated into the contract work conform to these "Buy America" provisions. Attach a list of exemptions and their associated costs to the certification form. Department form WS4567 is available at:

<http://roadwaystandards.dot.wi.gov/standards/forms/ws4567.doc>

Effective with September 2004 Letting

**WISCONSIN DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS AND TRANSPORTATION FACILITIES**

SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS

- I. Wage Rates, Hours of labor and payment of Wages
- II. Payroll Requirements
- III. Postings at the Site of the Work
- IV. Affidavits
- V. Wage Rate Redistribution
- VI. Additional Classifications

I. WAGE RATES, HOURS OF LABOR AND PAYMENT OF WAGES

The schedule of "Minimum Wage Rates" attached hereto and made a part hereof furnishes the prevailing wage rates that have been determined pursuant to Section 103.50 of the Wisconsin Statutes. These wage rates are the minimum required to be paid to the various laborers, workers, mechanics and truck drivers employed by contractors and subcontractors on the construction work embraced by the contract and subject to prevailing hours and wages under Section 103.50, Stats. If necessary to employ laborers, workers, mechanics or truck drivers whose classification is not listed on the schedule, they shall be paid at rates conformable to those listed for similar classifications. Apprentices shall be paid at rates not less than those prescribed in their state indenture contracts.

While the wage rates shown are the minimum rates required by the contract to be paid during its life, this is not a representation that labor can be obtained at these rates. It is the responsibility of bidders to inform themselves as to the local labor conditions and prospective changes or adjustments of wage rates. No increase in the contract price shall be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

Pursuant to Section 103.50 of the Wisconsin Statutes, the prevailing hours of labor have been determined to be up to 10 hours per day and 40 hours per calendar week Monday through Friday. If any laborer, worker, mechanic or truck driver is permitted or required to work more than the prevailing number of hours per day or per calendar week on this contract, they shall be paid for all hours in excess of the prevailing hours at a rate of at least one and one-half (1 1/2) times their hourly rate of pay. All work on Saturday, Sunday and the following holidays is to be paid at time and a half: (1) January 1, (2) the last Monday in May, (3) July 4, (4) the first Monday in September, (5) the fourth Thursday in November, (6) December 25, (7) the day before if January 1, July 4 or December 25 falls on a Saturday and (8) the day following if January 1, July 4 or December 25 falls on a Sunday.

All laborers, workers, mechanics and truck drivers shall be paid unconditionally not less often than once a week. Persons who own and operate their own trucks must receive the prevailing truck driver rate for the applicable type of truck (i.e. 2 axle, 3 or more axle, articulated, eculid or dumptor) he or she operates, plus an agreed upon amount for the use of his or her truck. Every owner-operator **MUST** be paid separately for their driving and for the use of their truck.

For those projects subject to the requirements of the Davis-Bacon Act, the Secretary of Labor will also have determined "Minimum Wage Rates" for work to be performed under the contract. These rates are, for all or most of the labor, worker, mechanic or truck driver classifications, identical to those established under Section 103.50 of the Wisconsin Statutes. In the event the rates are not identical, the higher of the two rates will govern.

II. PAYROLL REQUIREMENTS

All contractors and subcontractors must submit weekly Certified Payrolls and Compliance Statement verifying that all laborers, workers, mechanics and truck drivers working on the project have been paid the prevailing wage rates for all work performed under the contract required by Section 103.50 of the Wisconsin Statutes.

III. POSTINGS AT THE SITE OF THE WORK

In addition to the required postings furnished by the Department, the contractor shall post the following in at least one conspicuous place at the site of work:

- a. "NOTICE TO EMPLOYEES," which provides information required to be posted by the provisions of Section 103.50 of the Wisconsin Statutes.
- b. A copy of the State of Wisconsin Minimum Wages Rates. (Four pages.)
- c. A copy of the contractor's Equal Employment Opportunity Policy.
- d. On any project involving federal aid, in addition to the furnished postings, the contractor shall post a copy of the "Davis-Bacon Act, Minimum Wage Rates". (Three pages.)

IV. WAGE RATE REDISTRIBUTION

The amount specified as the hourly basic rate of pay and the amount(s) specified as the fringe benefit contribution(s), for all classes of laborers, workers, mechanics or truck drivers may be redistributed, when necessary, to conform to those specified in any applicable collective bargaining agreement, provided that both parties to such agreement

request and receive the approval for any such redistribution from both the Department of Transportation and the Department of Workforce Development prior to the implementation of such redistribution.

V. ADDITIONAL CLASSIFICATIONS

Any unlisted laborer or mechanic classification that is needed to perform work on this project, and is not included within the scope of any of the classifications listed in the application prevailing wage rate determination, may be added after award only if all of the following criteria have been met:

1. The affected employer(s) must make a written request to WisDOT Central Office to utilize the unlisted classification on this project.
2. The request must indicate the scope of the work to be performed by the unlisted classification and must indicate the proposed wage/fringe benefit package that the unlisted classification is to receive.
3. The work to be performed by the unlisted classification must not be performed by a classification that is included in the applicable prevailing wage rate determination.
4. The unlisted classification must be commonly employed in the area where the project is located.
5. The proposed wage/fringe benefit package must bear a reasonable relationship to those set forth in the applicable prevailing wage rate determination.
6. The request should be made prior to the actual performance of the work by the unlisted classification.
7. DWD must approve the use of the unlisted classification and the proposed wage/fringe benefit package. USDOL also must approve the use of the unlisted classification and the proposed wage/fringe benefit package on federal aid projects.
8. WisDOT and DWD may amend the proposed wage/fringe benefit package, as deemed necessary, and may set forth specific employment ratios and scope of work requirements in the approval document.

The approved wage/fringe benefit package shall be paid to all laborers, workers, mechanics or truck drivers performing work within the scope of that performed by the unlisted classification, from the first day on which such work is performed. In the event that work is performed by the unlisted classification prior to approval, the wage/fringe benefit package to be paid for such work must be in conformance with the wage/fringe

benefit package approved for such work. Under this arrangement a retroactive adjustment in wages and/or fringe benefits may be required to be made to the affected laborers, workers, mechanics or truck drivers by the affected employer(s).

**ANNUAL PREVAILING WAGE RATE DETERMINATION
FOR ALL STATE HIGHWAY PROJECTS
DANE COUNTY**

Compiled by the State of Wisconsin - Department of Workforce Development
for the Department of Transportation
Pursuant to s. 103.50, Stats.
Issued on May 1, 2014

CLASSIFICATION: Contractors are required to call the Department of Workforce Development if there are any questions regarding the proper trade or classification to be used for any worker on a public works project.

OVERTIME: Time and one-half must be paid for all hours worked over 10 hours per day and 40 hours per calendar week and for all hours worked on Saturday, Sunday and the following six (6) holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25; the day before if January 1, July 4 or December 25 falls on a Saturday; the day following if January 1, July 4 or December 25 falls on a Sunday.

FUTURE INCREASE: If indicated for a specific trade or occupation, the full amount of such increase MUST be added to the "TOTAL" indicated for such trade or occupation on the date(s) such increase(s) becomes effective.

PREMIUM PAY: If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.

SUBJOURNEY: Wage rates may be available for some of the classifications indicated below. Any employer that desires to use any subjourney classification on a project MUST request the applicable wage rate from the Department of Workforce Development PRIOR to the date such classification is used on such project. Form ERD-10880 is available for this purpose and can be obtained by writing to the Department of Workforce Development, Equal Rights Division, P.O. Box 8928, Madison, WI 53708.

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Bricklayer, Blocklayer or Stonemason	32.01	17.35	49.36
Carpenter	30.48	15.90	46.38
Cement Finisher	33.51	16.13	49.64
Future Increase(s): 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	34.07	19.25	53.32
Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Fence Erector	24.72	0.00	24.72
Ironworker	31.25	19.46	50.71
Line Constructor (Electrical)	38.25	17.31	55.56
Painter	21.87	11.37	33.24
Pavement Marking Operator	30.00	0.00	30.00
Piledriver	30.98	15.90	46.88
Roofer or Waterproofing	29.40	6.25	35.65
Teledata Technician or Installer	21.89	11.85	33.74
Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
Underwater Diver (Except on Great Lakes)	34.48	15.90	50.38
Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	34.43	15.24	49.67
Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	35.50	15.89	51.39
Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	<u>\$</u>	<u>\$</u>	<u>\$</u>
Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

TRUCK DRIVERS

Single Axle or Two Axle	34.22	19.90	54.12
Three or More Axle	24.52	17.77	42.29
Future Increase(s): Add \$1.30/hr on 6/1/2014. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Articulated, Euclid, Dumptror, Off Road Material Hauler	29.27	20.40	49.67
Future Increase(s): Add \$1.75/hr on 6/1/14; Add \$1.25/hr on 6/1/15; Add \$1.30/hr on 6/1/16; Add \$1.25/hr on 6/1/17. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .			
Pavement Marking Vehicle	23.31	17.13	40.44
Shadow or Pilot Vehicle	34.22	19.90	54.12
Truck Mechanic	23.31	17.13	40.44

LABORERS

General Laborer	29.32	14.63	43.95
Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for blaster and powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and grade specialist; Add \$.45/hr for pipelayer. / DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Asbestos Abatement Worker	24.36	14.44	38.80
Landscaper	29.32	14.63	43.95
Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Flagperson or Traffic Control Person	25.67	14.63	40.30
Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
Railroad Track Laborer	23.46	3.30	26.76

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
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 \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/ 1/ 2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http:// www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	36.72	20.40	57.12
Backhoe (Track Type) Having a Mfrg.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/ 1/ 2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http:// www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	36.22	20.40	56.62
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 Mfrg.'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	35.72	20.40	56.12

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$

& A- Frames.			
Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/ 1/ 2017.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http:// www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .			

Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine.	35.46	20.40	55.86
Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/ 1/ 2017.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http:// www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .			

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.	35.17	20.40	55.57
Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/ 1/ 2017.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http:// www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .			

Fiber Optic Cable Equipment.	26.69	16.65	43.34

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150113003PROJECT(S):
1206-07-80FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0001 CONTRACT ITEMS

0010	201.0120 CLEARING	149.000				
		ID	.		.	
0020	201.0220 GRUBBING	149.000				
		ID	.		.	
0030	203.0100 REMOVING SMALL PIPE CULVERTS	3.000				
		EACH	.		.	
0040	204.0100 REMOVING PAVEMENT	25.000				
		SY	.		.	
0050	204.0110 REMOVING ASPHALTIC SURFACE	722.000				
		SY	.		.	
0060	204.0120 REMOVING ASPHALTIC SURFACE MILLING	5,203.000				
		SY	.		.	
0070	204.0150 REMOVING CURB & GUTTER	243.000				
		LF	.		.	
0080	204.0195 REMOVING CONCRETE BASES	5.000				
		EACH	.		.	
0090	204.0230 REMOVING BUILDING (STATION) 01. STA 730+00	LUMP	LUMP		.	
0100	205.0100 EXCAVATION COMMON	2,017.000				
		CY	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150113003PROJECT(S):
1206-07-80FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	208.0100 BORROW	2,304.000 CY	.		.	
0120	213.0100 FINISHING ROADWAY (PROJECT) 01. 1206-07-80	1.000 EACH	.		.	
0130	305.0110 BASE AGGREGATE DENSE 3/4-INCH	76.000 TON	.		.	
0140	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	2,490.000 TON	.		.	
0150	305.0130 BASE AGGREGATE DENSE 3-INCH	1,224.000 TON	.		.	
0160	312.0110 SELECT CRUSHED MATERIAL	130.000 TON	.		.	
0170	415.0090 CONCRETE PAVEMENT 9-INCH	919.000 SY	.		.	
0180	416.0610 DRILLED TIE BARS	382.000 EACH	.		.	
0190	416.0620 DRILLED DOWEL BARS	64.000 EACH	.		.	
0200	416.1710 CONCRETE PAVEMENT REPAIR	54.000 SY	.		.	
0210	455.0105 ASPHALTIC MATERIAL PG58-28	13.000 TON	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150113003PROJECT(S):
1206-07-80FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	455.0120 ASPHALTIC MATERIAL PG64-28	52.000 TON	.		.	
0230	455.0605 TACK COAT	491.000 GAL	.		.	
0240	460.1101 HMA PAVEMENT TYPE E-1	947.000 TON	.		.	
0250	460.1103 HMA PAVEMENT TYPE E-3	237.000 TON	.		.	
0260	460.2000 INCENTIVE DENSITY HMA PAVEMENT	946.000 DOL	1.00000		946.00	
0270	465.0105 ASPHALTIC SURFACE	205.000 TON	.		.	
0280	465.0305 ASPHALTIC SURFACE SAFETY ISLANDS	12.000 TON	.		.	
0290	465.0315 ASPHALTIC FLUMES	10.000 SY	.		.	
0300	520.8000 CONCRETE COLLARS FOR PIPE	1.000 EACH	.		.	
0310	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH	50.000 LF	.		.	
0320	522.0154 CULVERT PIPE REINFORCED CONCRETE CLASS III 54-INCH	10.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150113003PROJECT(S):
1206-07-80FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH	EACH 2.000	.		.	
0340	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	EACH 2.000	.		.	
0350	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH	EACH 2.000	.		.	
0360	522.1054 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 54-INCH	EACH 1.000	.		.	
0370	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D	LF 1,672.000	.		.	
0380	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A	LF 722.000	.		.	
0390	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D	LF 412.000	.		.	
0400	601.0413 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G	LF 42.000	.		.	
0410	602.0410 CONCRETE SIDEWALK 5-INCH	SF 2,232.000	.		.	
0420	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	SF 192.000	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150113003PROJECT(S):
1206-07-80FEDERAL ID(S):
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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0430	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	117.000 LF	.		.	
0440	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	64.000 LF	.		.	
0450	611.0530 MANHOLE COVERS TYPE J	1.000 EACH	.		.	
0460	611.0624 INLET COVERS TYPE H	3.000 EACH	.		.	
0470	611.0639 INLET COVERS TYPE H-S	2.000 EACH	.		.	
0480	611.2005 MANHOLES 5-FT DIAMETER	2.000 EACH	.		.	
0490	611.3230 INLETS 2X3-FT	4.000 EACH	.		.	
0500	616.0700.S FENCE SAFETY	20.000 LF	.		.	
0510	619.1000 MOBILIZATION	1.000 EACH	.		.	
0520	620.0300 CONCRETE MEDIAN SLOPED NOSE	371.000 SF	.		.	
0530	621.0100 LANDMARK REFERENCE MONUMENTS	1.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0540	624.0100 WATER	32.000 MGAL	.		.	
0550	625.0100 TOPSOIL	1,226.000 SY	.		.	
0560	625.0500 SALVAGED TOPSOIL	8,171.000 SY	.		.	
0570	627.0200 MULCHING	4,221.000 SY	.		.	
0580	628.1504 SILT FENCE	1,887.000 LF	.		.	
0590	628.1520 SILT FENCE MAINTENANCE	1,887.000 LF	.		.	
0600	628.1905 MOBILIZATIONS EROSION CONTROL	2.000 EACH	.		.	
0610	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL	2.000 EACH	.		.	
0620	628.2008 EROSION MAT URBAN CLASS I TYPE B	1,038.000 SY	.		.	
0630	628.7005 INLET PROTECTION TYPE A	5.000 EACH	.		.	
0640	628.7020 INLET PROTECTION TYPE D	8.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0650	628.7504 TEMPORARY DITCH CHECKS	30.000 LF	.		.	
0660	628.7555 CULVERT PIPE CHECKS	30.000 EACH	.		.	
0670	629.0210 FERTILIZER TYPE B	0.720 CWT	.		.	
0680	630.0130 SEEDING MIXTURE NO. 30	20.600 LB	.		.	
0690	630.0400 SEEDING NURSE CROP	31.300 LB	.		.	
0700	631.0300 SOD WATER	15.200 MGAL	.		.	
0710	631.1100 SOD EROSION CONTROL	2,714.000 SY	.		.	
0720	632.0101 TREES (SPECIES, ROOT, SIZE) 01. HACKBERRY, COMMON, B&B, 3-INCH	4.000 EACH	.		.	
0730	632.0101 TREES (SPECIES, ROOT, SIZE) 02. MAPLE, RED, B&B, 3-INCH	1.000 EACH	.		.	
0740	632.0101 TREES (SPECIES, ROOT, SIZE) 03. OAK, BUR, B&B, 3-INCH	2.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0750	632.0101 TREES (SPECIES, ROOT, SIZE) 04. OAK, RED, B&B, 3-INCH	2.000 EACH	.		.	
0760	632.0101 TREES (SPECIES, ROOT, SIZE) 05. OAK, WHITE, B&B, 3-INCH	1.000 EACH	.		.	
0770	633.5200 MARKERS CULVERT END	8.000 EACH	.		.	
0780	634.0616 POSTS WOOD 4X6-INCH X 16-FT	2.000 EACH	.		.	
0790	634.0618 POSTS WOOD 4X6-INCH X 18-FT	5.000 EACH	.		.	
0800	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS	3,155.000 LB	.		.	
0810	636.0100 SIGN SUPPORTS CONCRETE MASONRY	5.600 CY	.		.	
0820	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT	332.000 LB	.		.	
0830	637.1220 SIGNS TYPE I REFLECTIVE SH	525.000 SF	.		.	
0840	637.2210 SIGNS TYPE II REFLECTIVE H	355.390 SF	.		.	
0850	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING	20.100 SF	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0860	637.2230 SIGNS TYPE II REFLECTIVE F	10.250 SF	.		.	
0870	638.2102 MOVING SIGNS TYPE II	12.000 EACH	.		.	
0880	638.2602 REMOVING SIGNS TYPE II	36.000 EACH	.		.	
0890	638.3000 REMOVING SMALL SIGN SUPPORTS	21.000 EACH	.		.	
0900	643.0100 TRAFFIC CONTROL (PROJECT) 01. 1206-07-80	1.000 EACH	.		.	
0910	643.0300 TRAFFIC CONTROL DRUMS	7,644.000 DAY	.		.	
0920	643.0420 TRAFFIC CONTROL BARRICADES TYPE III	1,017.000 DAY	.		.	
0930	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	266.000 DAY	.		.	
0940	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C	777.000 DAY	.		.	
0950	643.0800 TRAFFIC CONTROL ARROW BOARDS	74.000 DAY	.		.	
0960	643.0900 TRAFFIC CONTROL SIGNS	930.000 DAY	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0970	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II	5.000 EACH	.		.	
0980	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE	104.000 SF	.		.	
0990	643.1050 TRAFFIC CONTROL SIGNS PCMS	28.000 DAY	.		.	
1000	643.2000 TRAFFIC CONTROL DETOUR (PROJECT) 01. 1206-07-80	1.000 EACH	.		.	
1010	643.3000 TRAFFIC CONTROL DETOUR SIGNS	722.000 DAY	.		.	
1020	645.0111 GEOTEXTILE FABRIC TYPE DF SCHEDULE A	510.000 SY	.		.	
1030	646.0106 PAVEMENT MARKING EPOXY 4-INCH	964.000 LF	.		.	
1040	646.0126 PAVEMENT MARKING EPOXY 8-INCH	236.000 LF	.		.	
1050	646.0600 REMOVING PAVEMENT MARKINGS	505.000 LF	.		.	
1060	647.0166 PAVEMENT MARKING ARROWS EPOXY TYPE 2	1.000 EACH	.		.	
1070	647.0256 PAVEMENT MARKING SYMBOLS EPOXY	6.000 EACH	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
1080	647.0456 PAVEMENT MARKING CURB EPOXY	10.000 LF	.		.	
1090	647.0566 PAVEMENT MARKING STOP LINE EPOXY 18-INCH	182.000 LF	.		.	
1100	647.0606 PAVEMENT MARKING ISLAND NOSE EPOXY	1.000 EACH	.		.	
1110	647.0656 PAVEMENT MARKING PARKING STALL EPOXY	3,728.000 LF	.		.	
1120	647.0766 PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	307.000 LF	.		.	
1130	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	5,354.000 LF	.		.	
1140	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH	135.000 LF	.		.	
1150	650.4000 CONSTRUCTION STAKING STORM SEWER	10.000 EACH	.		.	
1160	650.4500 CONSTRUCTION STAKING SUBGRADE	2,300.000 LF	.		.	
1170	650.5000 CONSTRUCTION STAKING BASE	1,480.000 LF	.		.	
1180	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	2,227.000 LF	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1190	650.6000 CONSTRUCTION STAKING PIPE CULVERTS	2.000 EACH	.		.	
1200	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT	891.000 LF	.		.	
1210	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01. 1206-07-80	LUMP	LUMP		.	
1220	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 1206-07-80	LUMP	LUMP		.	
1230	650.9920 CONSTRUCTION STAKING SLOPE STAKES	2,235.000 LF	.		.	
1240	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	2,180.000 LF	.		.	
1250	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	361.000 LF	.		.	
1260	652.0800 CONDUIT LOOP DETECTOR	560.000 LF	.		.	
1270	652.0900 LOOP DETECTOR SLOTS	263.000 LF	.		.	
1280	653.0140 PULL BOXES STEEL 24X42-INCH	11.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1290	653.0905 REMOVING PULL BOXES	7.000 EACH	.		.	
1300	654.0101 CONCRETE BASES TYPE 1	2.000 EACH	.		.	
1310	654.0102 CONCRETE BASES TYPE 2	2.000 EACH	.		.	
1320	654.0105 CONCRETE BASES TYPE 5	3.000 EACH	.		.	
1330	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30	1.000 EACH	.		.	
1340	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG	141.000 LF	.		.	
1350	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG	76.000 LF	.		.	
1360	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG	1,048.000 LF	.		.	
1370	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG	212.000 LF	.		.	
1380	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED	512.000 LF	.		.	
1390	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	1,049.000 LF	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1400	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG	2,394.000 LF	.		.	
1410	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG	5,043.000 LF	.		.	
1420	655.0700 LOOP DETECTOR LEAD IN CABLE	2,560.000 LF	.		.	
1430	655.0800 LOOP DETECTOR WIRE	1,908.000 LF	.		.	
1440	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 01. STA 729+93 EB	LUMP	LUMP		.	
1450	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE	7.000 EACH	.		.	
1460	657.0322 POLES TYPE 5-ALUMINUM	12.000 EACH	.		.	
1470	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT	2.000 EACH	.		.	
1480	657.0585 TROMBONE ARMS 15-FT	1.000 EACH	.		.	
1490	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT	16.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1500	658.0120 TRAFFIC SIGNAL FACE 5-12 INCH VERTICAL	4.000 EACH	.		.	
1510	658.0225 BACKPLATES SIGNAL FACE 5 SECTION 12-INCH	4.000 EACH	.		.	
1520	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH	2.000 EACH	.		.	
1530	658.0500 PEDESTRIAN PUSH BUTTONS	2.000 EACH	.		.	
1540	658.0600 LED MODULES 12-INCH RED BALL	4.000 EACH	.		.	
1550	658.0605 LED MODULES 12-INCH YELLOW BALL	4.000 EACH	.		.	
1560	658.0610 LED MODULES 12-INCH GREEN BALL	4.000 EACH	.		.	
1570	658.0620 LED MODULES 12-INCH YELLOW ARROW	4.000 EACH	.		.	
1580	658.0625 LED MODULES 12-INCH GREEN ARROW	4.000 EACH	.		.	
1590	658.0635 LED MODULES PEDESTRIAN COUNTDOWN TIMER 16-INCH	2.000 EACH	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
1600	658.5069 SIGNAL MOUNTING HARDWARE (LOCATION) 01. E VERONA AVE & OLD PB/MAPLE GROVE DR	LUMP	LUMP		.	
1610	659.1125 LUMINAIRES UTILITY LED C	EACH 16.000	.		.	
1620	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH	EACH 1.000	.		.	
1630	690.0150 SAWING ASPHALT	LF 1,271.000	.		.	
1640	690.0250 SAWING CONCRETE	LF 199.000	.		.	
1650	715.0415 INCENTIVE STRENGTH CONCRETE PAVEMENT	DOL 460.000	1.00000		460.00	
1660	999.1950.S BICYCLE RACK ASPHALT OR CONCRETE-MOUNTED	EACH 1.000	.		.	
1670	SPV.0035 SPECIAL 01. CRUSHED LIMESTONE 3-INCH	CY 270.000	.		.	
1680	SPV.0060 SPECIAL 01. BUS SHELTER	EACH 1.000	.		.	
1690	SPV.0060 SPECIAL 02. MOVING HISTORICAL MARKER	EACH 1.000	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
1700	SPV.0060 SPECIAL 03. REESTABLISH SECTION CORNERS	1.000 EACH	.		.	
1710	SPV.0060 SPECIAL 04. CONCRETE BASES TYPE 5 TALL	5.000 EACH	.		.	
1720	SPV.0060 SPECIAL 05. CONCRETE BASES TYPE 5 WIDE	4.000 EACH	.		.	
1730	SPV.0060 SPECIAL 07. PRECAST CONCRETE SIGN BASE	26.000 EACH	.		.	
1740	SPV.0060 SPECIAL 08. SIGN POST BASE FOR CONCRETE INSTALLATION	3.000 EACH	.		.	
1750	SPV.0085 SPECIAL 01. SEEDING MIXTURE NO. 75 SPECIAL	27.400 LB	.		.	
1760	SPV.0090 SPECIAL 01. SIGN POST	69.000 LF	.		.	
1770	SPV.0090 SPECIAL 02. REFLECTIVE SIGN POST	236.000 LF	.		.	
1780	SPV.0105 SPECIAL 01. REMOVE AND REINSTALL TRAFFIC SIGNALS	LUMP	LUMP		.	
1790	SPV.0180 SPECIAL 01. PREPARING TOPSOIL FOR LAWN TYPE TURF	8,171.000 SY	.		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	

PLEASE ATTACH SCHEDULE OF ITEMS HERE