

HIGHWAY WORK PROPOSAL

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

Proposal Number:

Ø 8

<u>COUNTY</u>	<u>STATE PROJECT ID</u>	<u>FEDERAL PROJECT ID</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Dane	1206-04-61		Sauk City - Cambridge Yahara River B-13-315 and B-13-316	USH 12

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

Proposal Guaranty Required, \$ 75,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Due Date: February 12, 2013 Time (Local Time): 9:00 AM	Firm Name, Address, City, State, Zip Code
Contract Completion Time Contractor Bid (Max One Hundred Thirty [130] Calendar Days)	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 Traffic control, lighting, grading, base aggregate dense, concrete pavement, and joint replacement of Structures B-13-315 and B-13-316.	Date Guaranty Returned
Notice of Award Dated	

**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)

FEBRUARY 1999

LIST OF SUBCONTRACTORS

Section 66.29(7), Wisconsin Statutes, provides that a bidder, as a part of his proposal, shall submit a list of the subcontractors he proposes to contract with and the class of work to be performed by each, provided that to qualify for such listing each subcontractor must first submit his bid in writing to the general contractor at least 48 hours prior to the time of bid closing. It further provides that a proposal of a bidder shall not be invalid if any subcontractor, and the class of work to be performed by such subcontractor, has been omitted from a proposal.

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

Name of Subcontractor	Class of Work	Estimated Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

DECEMBER 2000

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

Instructions for Certification

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

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

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

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

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

Special Provisions

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SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 1206-04-61, Sauk City – Cambridge, Yahara River B-13-315 and B-13-316, USH 12, 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, 2013 Edition, as published by the department, and these special provisions.

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

100-005 (20120615)

2. Scope of Work.

The work under this contract shall consist of traffic control, lighting, grading, base aggregate dense, concrete pavement, and joint replacement of Structures B-13-315 and B-13-316 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. Award and Execution of the Contract.

Cost Plus Time (A+B) Bidding

Standard spec 102 and 108 are hereby revised for this project as follows:

Add standard spec 102.11 as follows:

102.11 Cost Plus Time Bidding. A special bidding procedure will be used to determine the successful bidder for this project. This procedure takes into account the price offerings from the bidder and the time the bidder intends to take to complete the work.

The contractor shall complete all of the work necessary to open the road to through traffic without any lane or shoulder restrictions on this contract prior to 12:01 AM on the date of the number of calendar days established by the bidder from the notice to proceed, or within such extended time as may be allowed.

The completion time allowed for this contract is based on an expedited work schedule.

Each day shall be defined as a 24 hour period beginning at 12:01 AM.

The work will be considered completed when it conforms to the Contract and has been accepted in accordance to standard spec 109.7.

(a) Preparation of Proposal

The bidder shall establish the number of calendar days that will be required to complete the work. The calendar day number shall be included in the bid proposal. This calendar day number multiplied by the daily cost shall be added to the total amount bid for the work items. The sum of these two amounts will be used to determine the lowest successful bidder according to the following formula:

$$(A) + (B \times \text{Road User Cost} / \text{Day}) = \text{Contractor's bid for evaluation of the lowest successful bidder}$$

Where:

A = Contractor's total bid for the work items

B = Number of calendar days required to complete the work.

Daily cost for this project = \$ 25,000

The above formula will be used solely for the purpose of determining the lowest successful bidder and will have no effect on the actual total bid cost for completing the work.

The total number of calendar days established by the bidder to complete the work shall not exceed 130 calendar days. Bids showing time for completion in excess of this amount will be considered non-responsive.

(b) Incentive/Disincentive Plan

This item shall consist of either an incentive payment or a disincentive pay reduction as specified in bid items SPV.0045.02 Incentive for Completion and SPV.0045.03 Disincentive for Completion.

Add the following sentence to standard spec 108.9.3:

The maximum number of calendar days allowed for completion of the Contract is the amount the successful bidder included in the bid proposal, as discussed above in 102.11(a).

Standard spec 108.11, first paragraph, shall include the following:

These liquidated damages will be assessed in addition to disincentives for failure to complete the work in the time bid by the contractor in accordance to 102.11(b).

4. Prosecution and Progress.

A Notice to Proceed

Supplement standard spec 108 as follows:

The contractor shall select the date that contract time begins for this project, subject to the following conditions:

- The earliest date shall be April 22, 2013.
- The latest date shall be May 28, 2013.
- The contractor shall notify the engineer, in writing, at least 30 days before the proposed beginning date. If the earlier date, as stated above, follows the award date by less than 30 days, the contractor's written notice to the engineer shall be at least 10 days before the proposed beginning date.
- The date that contract time begins shall be subject to approval by the engineer.

Upon approval, the engineer will issue the notice to proceed within ten calendar days before the beginning of the approved time frame. The contractor shall complete all work under the contract, within the number of calendar days specified by the bidder, in accordance to the "Notice to Proceed."

Contract time will not be charged for preparation and finishing work that can be completed without USH 12 lane or shoulder closures. This work includes items such as preparing the field office and overhead signing / restriping of Monona Drive. Preparation work before the beginning date is subject to the engineer's approval. If such approval is given, prep work may be paid for in accordance to standard spec 109.6.3.2.

B General

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

Provide pavement maintenance repair as required by the engineer within the construction limits. Work shall be paid under bid items of Asphaltic Surface Patching and Asphaltic Surface Patching Mobilization.

The contractor is advised that there may be multiple mobilizations for such items as erosion control, traffic control, detours, signing items, temporary pavement markings and other incidental items related to the staging. The department will make no additional payment for said mobilizations.

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

Stage 1A

- Remove existing outside asphaltic shoulders.
- Place outside concrete shoulders.

Stage 1B

- Remove existing median shoulders and concrete barrier.
- Construct median storm sewer and inlet.
- Construct median concrete shoulders.

Stage 2A

- Remove and replace outside half of deck joints on B-13-316.

Stage 2B

- Remove and replace median half of deck joints on B-13-316.

Stage 3A

- Remove and replace outside half of deck joints on B-13-315.

Stage 3B

- Remove and replace median half of deck joints on B-13-315.

Stage 4

- Construct permanent median barrier.

Do not switch traffic over to the next construction stage until all signing, pavement marking, reflectors, temporary concrete barrier, and traffic control drums for the stage are in place, and conflicting pavement markings and signs are removed as shown in the traffic control plans and as directed by the engineer. Allowable exceptions to this specification are crossover and intersection areas where traffic control cannot be placed until the switch is made.

C Contractor Coordination

Hold prosecution and progress meetings once a week. The contractor's superintendent or designated representative and subcontractor's representatives for ongoing subcontract work or subcontractor work expected to begin within the next two weeks shall attend and provide a written schedule of the next week(s)' operations. The written schedule shall include begin and end dates of specific prime and subcontractor work operations. Invite City of Madison traffic engineering staff, and City of Monona DPW. Agenda items at the meeting will include review of the contractor's schedule and subcontractors' schedule, evaluation of progress and pay items, and making revisions if necessary. Plans and specifications for upcoming work will be reviewed to prevent potential problems or conflicts between contractors.

Based on the progress meeting, if the engineer requests a new revised schedule, submit it within seven calendar days. Failure to submit a new schedule within seven days shall result in the engineer holding pay requests until received.

Hold meetings with first responders and law enforcement representatives one week prior to each traffic stage change.

D Work Restrictions

Where the engineer in conjunction with the contractor's work schedule has permitted lane closure(s), make a continuous effort to complete the work within said lane closure(s) in a timely manner. If, in the engineer's judgment, the contractor's operations fail to meet the approved schedule, permission for a full-time lane closure will be rescinded. Do not close traffic lanes on USH 12 outside the allowed time periods specified in the Traffic article. If the contractor fails to open all lanes within the specified timeframe, the department will assess \$1,250 per 15-minutes interval (or portion thereof) per traffic lane that the lane closure remains.

The total reduction from monies due to the contractor shall be the summation of the separate reductions for each work restriction violation. The department will administer liquidated damages for the road not being open to traffic under the Failing to Open Road to Traffic administrative item.

E Migratory Birds

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

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

5. Traffic.

A General

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

Unless detailed in the plans, do not begin or continue any work that closes traffic lanes outside the allowed time periods specified in this article.

Submit a detailed traffic control plan to the engineer for approval if different than the traffic control plan provided in the plan set. Submit this plan ten days prior to the preconstruction conference.

Submit all traffic control change requests to the engineer at least three working days prior to an actual traffic control change. A request does not constitute approval.

Traffic operations during all stages

- Maintain three lanes of traffic in each direction at all times on USH 12**.
- Maintain a minimum lane width of 11-feet on USH 12 (13-foot minimum clear width when restricted to one lane) and USH 12 ramps.

** Lane closures allowed as specified in section B, Lane Closures.

Traffic during Stage 1A

- Traffic will be maintained in all existing lanes.
- Off peak lane closures will be allowed.
- Eastbound exit ramp to Monona Drive may be closed for up to five nights.
- Westbound entrance ramp from Monona Drive may be closed for up to five nights.

Traffic during Stage 1B

- Traffic will be maintained in all existing lanes.
- Off peak lane closures will be allowed.

Traffic during Stage 2A

- Three lanes of traffic in the eastbound direction of USH 12 will be maintained on the existing lanes and outside concrete shoulders.
- Two lanes of traffic in the westbound direction of USH 12 will be maintained on the existing lanes and median concrete shoulders.
- One lane of traffic in the westbound direction of USH 12 will be maintained on the exiting eastbound lane in a contra-flow direction.
- Westbound entrance ramp from Monona Drive will be closed.
- Eastbound entrance ramp from South Towne Drive will be closed.

Traffic during Stage 2B

- Three lanes of traffic in the eastbound direction of USH 12 will be maintained on the existing lanes and outside concrete shoulders.
- Two lanes of traffic in the westbound direction of USH 12 will be maintained on the existing lanes and outside concrete shoulders.
- One lane of traffic in the westbound direction of USH 12 will be maintained on the exiting eastbound lane in a contra-flow direction.
- Westbound entrance ramp from Monona Drive will be closed.
- Eastbound entrance ramp from South Towne Drive will be closed.

Traffic during Stage 3A

- Two lanes of traffic in the eastbound direction of USH 12 will be maintained on the existing lanes and median concrete shoulders.

- One lane of traffic in the eastbound direction of USH 12 will be maintained on the exiting eastbound lane in a contra-flow direction.
- Three lanes of traffic in the westbound direction of USH 12 will be maintained on the existing lanes and outside concrete shoulders.
- Westbound entrance ramp from Monona Drive will be closed.
- Westbound exit ramp to Monona Drive will be closed.
- Eastbound entrance ramp from South Towne Drive will be closed.

Traffic during Stage 3B

- Two lanes of traffic in the eastbound direction of USH 12 will be maintained on the existing lanes and outside concrete shoulders.
- One lane of traffic in the eastbound direction of USH 12 will be maintained on the exiting eastbound lane in a contra-flow direction.
- Three lanes of traffic in the westbound direction of USH 12 will be maintained on the existing lanes and outside concrete shoulders.
- Westbound entrance ramp from Monona Drive will be closed.
- Eastbound entrance ramp from South Towne Drive will be closed.

Traffic during Stage 4

- Traffic will be maintained in all existing lanes.
- Off peak lane closures will be allowed.

Place roadway signing and roadway temporary pavement marking as detailed on the plans and in conformance to the Manual on Uniform Traffic Control Devices (MUTCD), latest edition. Traffic control shall be completely in place by the end of the working day of a traffic switch.

Access to the work zone is only allowed from closed ramps at Monona Drive except as follows:

- No access from live traffic lanes is allowed at the following times:
Westbound: 7:00 AM – 9:00 AM
Eastbound: 3:00 PM – 6:00 PM
- Access for contractor personnel entering / exiting the work zone from a live traffic lane is allowed at the following times:
Westbound: 5:00 AM – 7:00 AM, 9:00 AM - 8:00 PM
Eastbound: 5:00 AM – 3:00 PM, 6:00 PM – 8:00 PM
Exiting the work zone during these hours requires the support of a contractor designated shadow vehicle to create a suitable gap in traffic. Make contractor shadow vehicle available to department inspection staff.
- Access for contractor personnel and material/equipment delivery/removal to the work zone from a live traffic lane is allowed from 8:00 PM to 5:00 AM.

Conduct operations in a manner that will cause the least interference to traffic movements.

B Lane Closures

Off Peak lane closures will be permitted during all stages as follows:

- Monday, Tuesday, Wednesday and Thursday night single lane closure 8:00 PM to 5:00 AM.
- Monday, Tuesday, Wednesday and Thursday night double lane closure: 10:00 PM to 5:00 AM.
- Friday night single lane closure 8:00 PM to 9:00 AM Saturday.
- Friday night double lane closure 11:00 PM to 6:00 AM Saturday.
- Saturday night single lane closure 8:00 PM to 10:00 AM Sunday.
- Saturday night double lane closure 11:00 PM to 8:00 AM Sunday.
- Sunday night single lane closure 7:00 PM to 5:00 AM Monday.
- Sunday night double lane closure 10:00 PM to 5:00 AM Monday.

Maintain minimum 13 feet clear width for traffic during dual lane closures.

Request approval from the engineer for all lane closures at least three working days in advance. A request does not constitute approval. Failure to obtain approval or reopen closed lanes at the required time shall be subject to penalties specified in the Prosecution and Progress article.

Provide arrow boards for use during all lane closures in accordance to the MUTCD. Arrow boards for lane closures will be paid for under the item Traffic Control Arrow Boards for each day with a lane closure where an arrow board is in use.

No lane or shoulder closures will be permitted during Midwest Horse Fair, Bratfest, World Dairy Expo, and University of Wisconsin home football games (from five hours prior to game until 5 hours after the game).

C Advance Notification

Notify the City of Monona Police Department, Fire Department, City of Madison Traffic Engineering, Dane County Sheriff's Department and Dane County Highway Commissioner 48 hours in advance of all switchovers of traffic lanes and closures of existing ramps. Notifications must be given by 4:00 PM on Thursday for any such work to be done on the following Monday.

D Clear Zone Working Restrictions

Do not leave any drop offs within 2 feet of the edge of the traveled way greater than 4 inches which are not protected by temporary precast barrier.

Protect all blunt ends of existing median barrier in accordance to standard detail drawings within 72 hours of initial occurrence. Blunt ends of temporary concrete barrier must be protected prior to reopening the adjacent lane to traffic.

Do not perform heavy equipment work in the median at any time unless protected by concrete barrier in both directions except during night work with allowed lane closures, or for construction operations with a total duration less than 72 hours.

Do not perform heavy equipment work within 18 feet of the edge of the USH 12 traveled way unless protected by concrete barrier or a lane closure during the allowed closure periods.

Store materials or park equipment a minimum of 30-feet from the edge of the USH 12 traveled way. Equipment may be parked in the median if it is protected by concrete barrier.

If the contractor is unsure whether an individual work operation will meet the safety requirements for working within the clear zone, review the proposed work operation with the engineer before proceeding with the work.

6. Advance Notification for Lane Closure System.

Advance Notification

Provide the engineer with a schedule of lane and ramp closures for the following week by noon on Thursday of the previous week. In addition, provide the following minimum advance notification to the engineer for incorporation into the Wisconsin Lane Closure System.

Ramp Closures	3 business days
System Ramp Closures	7 calendar days
Lane Closures	3 business days
Full Freeway Closures	14 calendar days
Construction Stage Changes	14 calendar days
Detours	14 calendar days

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

Closures

All entrance and exit ramps shall be posted three working days in advance of their closure with dates and time of closure.

All freeway to freeway ramps shall be posted seven calendar days in advance of their closure with dates and times of closure.

7. Holiday Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying USH 12/18 traffic, during the following holiday periods:

- From 12:01 AM to 11:59 PM on Monday, May 27, 2013 for Memorial Day;
 - From 12:01 AM to 11:59 PM on Thursday, July 4, 2013 for Independence Day;
 - From 12:01 AM to 11:59 PM on Monday, September 2, 2013 for Labor Day.
- 107-005 (20050502)

8. Construction Over or Adjacent to Navigable Waters.

Supplement standard spec 107.19 with the following:

The Yahara River is classified as a navigable waterway.
107-060 (20040415)

9. Utilities.

This contract does come under the provisions of Administrative Rule TRANS 220.

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

The contractor must call Diggers Hotline before any excavation or other work that may affect underground utilities is to be completed. If there are conflicts with new beam guard, signs, or other work under this project, the contractor will work around the utility facilities. The following utilities have facilities within the project area; however, no adjustments are expected:

MG&E - Gas
MG&E - Electric
Madison Metropolitan Sewage District – Sanitary Sewer

Have all buried utilities field-located prior to the start of construction. The engineer may alter the locations of material being installed under this contract to avoid conflicts with utility facilities.

10. Environmental Protection, Aquatic Exotic Species Control.

Exotic invasive organisms such as VHS, zebra mussels, purple loosestrife, and Eurasian water milfoil are becoming more prolific in Wisconsin and pose adverse effects to waters of the state. Wisconsin State Statutes 30.07, “Transportation of Aquatic Plants and Animals; Placement of Objects in Navigable Waters”, details the state law that requires the removal of aquatic plants and zebra mussels each time equipment is put into state waters.

At construction sites that involve navigable water or wetlands, use the follow cleaning procedures to minimize the chance of exotic invasive species infestation. Use these procedures for all equipment that comes in contact with waters of the state and/or infested water or potentially infested water in other states.

Ensure that all equipment that has been in contact with waters of the state, or with infested or potentially infested waters, has been decontaminated for aquatic plant materials and zebra mussels prior to being used in other waters of the state. Before using equipment on this project, thoroughly disinfect all equipment that has come into contact with potentially infested waters. Use the following inspection and removal procedures (guidelines from the Wisconsin Department of Natural Resources http://dnr.wi.gov/fish/documents/disinfection_protocols.pdf) for disinfection:

- Prior to leaving the contaminated site, wash machinery and ensure that the machinery is free of all soil and other substances that could possibly contain exotic invasive species;
- Drain all water from boats, trailers, bilges, live wells, coolers, bait buckets, engine compartments, and any other area where water may be trapped;
- Inspect boat hulls, propellers, trailers and other surfaces. Scrape off any attached mussels, remove any aquatic plant materials (fragments, stems, leaves, seeds, or roots), and dispose of removed mussels and plant materials in a garbage can prior to leaving the area or invested waters; and
- Disinfect your boat, equipment and gear by either:
 - Washing with ~212° F water (steam clean), or
 - Drying thoroughly for five days after cleaning with soap and water and/or high pressure water, or
 - Disinfecting with either 200 ppm (0.5 oz per gallon or 1 Tablespoon per gallon) Chlorine for 10-minute contact time or 1:100 solution (38 grams per gallon) of Virkon Aquatic for 20- to 30-minute contact time. Note: Virkon is not registered to kill zebra mussel veligers nor invertebrates like spiny water flea. Therefore this disinfect should be used in conjunction with a hot water (>104° F) application.

Complete the inspection and removal procedure before equipment is brought to the project site and before the equipment leaves the project site.

107-055 (20110615)

11. Notice to Contractor, Notification of Demolition and/or Renovation.

James Gondek, License Number All-108099, inspected Structure B-13-315/316 for asbestos on July 14, 2011. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: Jennifer Fredrickson, (608) 785-9945.

In accordance with NR447 and DHS159, ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 4/11), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system

at least 10 working days prior to beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to Curt Neuhauser, (608) 245-2676 and DOT BTS-ESS Attn: Hazardous Materials Specialist PO Box 7965, Madison, WI. 53707-7965. In addition, comply with all local or municipal asbestos requirements.

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

- Site Name: Structure B-13-315, USH 12E over Yahara River
- Site Address: 42°02'38"N / 89°20'14"W Section 29 Town 07N Range 10E, City of Monona
- Ownership Information: WisDOT Transportation Southwest Region, 2101 Wright Street, Madison, WI, 53704-2583
- Contact: Curt Neuhauser
- Phone: (608) 245-2676
- Age: 24 years old. This structure was constructed in 1988
- Area: 151877 SF of deck

- Site Name: Structure B-13-316, USH 12W over Yahara River
- Site Address: 43°02'41"N / 89°19'40"W Section 29 Town 07N Range 10E, City of Monona
- Ownership Information: WisDOT Transportation Southwest Region, 2101 Wright Street, Madison, WI, 53704-2583
- Contact: Curt Neuhauser
- Phone: (608) 245-2676
- Age: 24 years old. This structure was constructed in 1988
- Area: 160864 SF of deck

Insert the following paragraph in Section 6.g.:

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

107-125 (20120615))

12. Notice to Contractor, Other Contracts.

Madison Metropolitan Sewerage District has an interceptor improvement project which crosses USH 12/18 and Broadway Drive. It is anticipated to be complete by June 2013 and the work is not expected to interfere with this contract. Contact is Eric Hjellen, phone (608) 347-3613.

13. Debris Containment Structure B-13-315, Item 203.0225.S.01 and B-13-316, Item 203.0225.S.02.

A Description

This special provision describes providing a containment system to prevent debris from structure removal, reconstruction, or other construction operations from falling onto facilities located under the structure. Using this containment system does not relieve the contractor of requirements under standard spec 107.17 and standard spec 107.19 or requirements under a US Army Corps of Engineers Section 404 Permit.

B (Vacant)

C Construction

Prior to starting work, submit a debris containment plan to the engineer for review. Incorporate engineer-requested modifications. Do not start work over Yahara River and adjacent wetlands until the engineer approves the debris containment plan.

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

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

Curt Neuhauser, telephone (608) 245-2676

D Measurement

The department will measure Debris Containment Structure B-13-315 and B-13-316 as a single lump sum unit of work for each structure, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
203.0225.S.01	Debris Containment Structure B-13-315	LS
203.0225.S.02	Debris Containment Structure B-13-316	LS

Payment is full compensation for furnishing, installing, maintaining, and removing a debris containment system.

203-010 (20080902)

14. Removing Old Structure Over Waterway With Debris Capture System Station 112+68, Item 203.0700.S.01; Station 112+68 AUX, Item 203.0700.S.02.

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

Add the following to standard spec 203:

203.3.6 Removals Over Waterways and Wetlands

203.3.6.3 Removing Old Structure Over Waterway with Debris Capture System

- (1) Remove the existing Structure B-13-315 and B-13-316 over the Yahara River in large sections and conforming to the contractor's approved structure removal plan. Due to the very sensitive nature of the Yahara River, provide a debris capture and containment system for superstructure removal that prevents all large pieces and virtually all other debris, including fine particles and slurry, from entering the waterway or wetland.
- (2) Submit a structure removal plan as part of the erosion control implementation plan required under standard spec 107.20. Do not start work under the structure removal plan without the department's written approval of the plan. Include the following information in the structure removal plan:
 - Methods and schedule to remove the structure.
 - Methods to control potentially harmful environmental impacts.
 - Methods to avoid or minimize the discharge of any pollutant to the waterway or wetland during superstructure removal.
 - Details of the debris capture and containment system for superstructure removal including contingency plans to deal with potential failures.
 - Methods to control dust and contain slurry.
 - Methods for removing piers and abutments. If blasting in water, include restrictions that regulatory agencies and the contract require.
- (3) If stockpiling spoil material, place it on an upland site an adequate distance from the waterway, wetland, or any open water created by excavation. Install silt fence between the spoil pile and the waterway, wetland, or excavation site.

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

ITEM NUMBER	DESCRIPTION	UNIT
203.0700.S.01	Removing Old Structure Over Waterway With Debris Capture System Station 112+68	LS
203.0700.S.02	Removing Old Structure Over Waterway With Debris Capture System Station 112+68 AUX	LS

203-025 (20080902)

15. 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)

16. Base Aggregate Dense, 3/4-Inch.

This work shall be in accordance with the pertinent requirements of standard spec 305, except that the material used in all unpaved field entrances and private entrances and the top 3 inches of all unpaved portions of shoulders, as shown in the plan, shall consist of crushed stone.

17. Base Aggregate Dense, 1 1/4-Inch.

Revise standard spec 305.2.2.1 as follows:

Use 1 1/4-inch base aggregate that conforms to the following gradation requirements.

Percentage by weight passing

	Percentage of Mass Passing
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], [3]}

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

^[3] 3 - 10 percent passing when base is \geq 50% crushed gravel.

18. Expansion Device, Structure B-13-315 and B-13-316.

A Description

This special provision describes furnishing and installing an expansion device in accordance to standard spec 502, as shown on the plans, and as hereinafter provided.

B Materials

The minimum thickness of the polychloroprene strip seal shall be ¼-inch for non-reinforced elastomeric glands and 1/8-inch for reinforced glands. Furnish the strip seal gland in lengths suitable for a continuous one-piece installation at each individual expansion joint location. Provide preformed polychloroprene strip seals that conform to the requirements ASTM D3542, and have the following physical properties:

Property Requirements	Value	Test Method
Tensile Strength, min.	2000 psi	ASTM D412
Elongation @ Break, min	250%	ASTM D412
Hardness, Type A, Durometer	60 ± 5 pts.	ASTM D2240
Compression Set, 70 hours @212°F, max.	35%	D395 Method B Modified
Ozone Resistance, after 70 hrs. at 100°F under 20% Strain with 100 pphm ozone	No Cracks	ASTM D1149 Method A
Mass Change in Oil 3 after 70 hr. 212°F	45%	ASTM D471
Mass Change, max.		

Install the elastomeric strip seal gland with tools recommended by the manufacturer, and with a lubricant adhesive conforming to the requirements of ASTM D4070.

The manufacturer and model number shall be one of the following approved strip seal expansion device products:

Manufacturer	Model Number Strip Seal Gland Size*		
	4-Inch	5-Inch	6-Inch
D.S. Brown	SSA2-A2R-400	SSA2-A2R-XTRA	SSA2-A2R-XTRA
R.J. Watson	RJA-RJ400	RJA-RJ500	RJA-RJ600
Watson Bowman Acme	A-SE400	A-SE500	A-SE800
Commercial Fabricators	A-AS400	-----	-----

*Expansion device strip seal gland size requirement of 4", 5", and 6" shall be as shown on the plans.

Furnish manufacturer's certification for production of polychloroprene represented showing test results for the cured material supplied, and certifying that it meets all specified requirements.

The steel extrusion or retainer shall conform to ASTM designation A 709 grade 36 steel. After fabrication, steel shall be galvanized conforming to the requirements ASTM A123.

Manufacturer's certifications for adhesive and steel shall attest that the materials meet the specification requirements.

502-020 (20110615)

19. Nighttime Work Lighting-Stationary.

A Description

Provide portable lighting as necessary to complete nighttime work. Nighttime operations consist of work specifically scheduled to occur after sunset and before sunrise.

B (Vacant)

C Construction

C.1 General

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

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

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

C.2 Portable Lighting

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

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

C.3 Light Level and Uniformity

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

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

C.4 Glare Control

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

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

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

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

C.5 Continuous Operation

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

D (Vacant)

E Payment

Costs for furnishing a lighting plan, and for providing, maintaining, moving, and removing portable lighting, tower mounted lighting, and equipment-mounted lighting required under this special provision are incidental to the contract.
643-010 (20100709)

20. Removing Raised Pavement Markers, Item 646.0790.S.

A Description

This special provision describes removing raised pavement markers and filling holes with patching material.

B Materials

Furnish a commercial patching material selected from the department's approved products list for rapid setting concrete patch material that does not contain magnesium phosphate.

C Construction

Remove raised pavement markers as shown on the plans. Backfill the holes with patching material.

D Measurement

The department will measure Removing Raised Pavement Markers by each removed raised pavement marker, 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
646.0790.S	Removing Raised Pavement Markers	Each

Payment is full compensation for removing and properly disposing of raised pavement markers and for epoxy materials.

21. Portable Changeable Message Sign Special, Item SPV.0045.01.

A Description

This special provision describes providing portable changeable message signs (PCMS) with cellular communications. Cellular communication allows the department to control PCMS during incidents or other emergencies through Trans Suite software. The department will notify contractor of message changes.

B Materials

Provide PCMS in accordance with standard spec 643.2.7. Provide the PCMS with a cellular modem and antenna that enables the department to communicate and control the PCMS.

B.1 Cellular Modem and Antenna

Furnish an EV-DO Cellular modem registered to a 3G Cellular carrier. The cellular modem must include 1 or more external antennas, 1 or more 10/100 Ethernet ports, and 1 or more db9 Serial RS-232 interfaces. The device must be able to handle -30° C to +75° C and powered by a 12VDC power supply. The cellular modem must have a built-in secure router with NAT, port forwarding and IP pass-through capabilities.

Provide management IP and passwords for the cellular modem to the department.

Access includes IP address, serial port setting, and password(s). Antenna cable shall be continuous without splices. Mount the antenna at the highest practical location on the PCMS.

C Construction

Conform to standard spec 643.3.7. Install cellular modem in a lockable, weatherproof compartment in the PCMS trailer.

A minimum of 14 days prior to deployment, demonstrate to the department that the cellular modem is capable of communications with Trans Suite software.

If remote communications are interrupted or temporarily unavailable, contractor will be notified by the department to change the message.

D Measurement

The department will measure Portable Changeable Message Sign (PCMS) Special by the day acceptably completed, measured as the number of calendar days each PCMS with cellular modem is available for exclusive use under the contract. The department will deduct one day for each calendar day the sign communications are required but out of service for more than 2 hours.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0045.01	Portable Changeable Message Sign (PCMS) Special	DAY

Payment is full compensation for providing, operating, maintaining, relocating and removing the PCMS, cellular modem and antenna; and for making message changes if cellular communications are interrupted or temporarily unavailable.

22. Incentive for Completion, Item SPV.0045.02, and Disincentive for Completion, Item SPV.0045.03.

A General

This item shall consist of either an incentive payment or a disincentive pay reduction as specified below.

The contractor shall complete all of the work necessary to complete joint repair, median barrier, traffic control, pavement marking and signing and open the roadway to through traffic with no lane or shoulder closures on this contract prior 12:01 AM on the date of the number of calendar days established by the bidder from the notice to proceed, or within such extended time as may be allowed.

The completion time allowed for this contract is based on an expedited work schedule.

Under this Incentive/Disincentive plan, no time extensions will be granted for adverse weather conditions; for delays in material deliveries; or for labor disputes unless it can be shown that such disputes are industry wide.

Each day shall be defined as a 24 hour period beginning at 12:01 AM.

The maximum incentive payment, as shown on the Schedule of Items, is for department accounting purposes. The actual incentive payment the contractor may receive shall be in accordance to section B of this provision.

Incentive payments will not be considered as part of the money value of the work completed for computing time extensions.

B Incentive Payment

The contractor shall be entitled to an incentive payment for completion of all of the work necessary to complete joint repair, median barrier, traffic control, pavement marking and signing and open the roadway to through traffic with no lane or shoulder closures on this contract prior to 12:01 AM, on the date of the number of calendar days established by the bidder from the notice to proceed, or within such extended time as may be allowed.

The incentive payment shall be paid at the rate of \$10,000 per calendar day for each day or portion thereof, of completion prior to 12:01 AM on the date of the number of calendar days established by the bidder from the notice to proceed. The maximum amount of incentive payment shall not exceed \$150,000.

C Disincentive Pay Reduction

Should the contractor fail to complete all of the work necessary to complete joint repair, median barrier, traffic control, pavement marking and signing and open the roadway to through traffic with no lane or shoulder closures under this contract prior to 12:01 AM, on the date of the number of calendar days established by the bidder from the notice to proceed, or within such extended time as may be allowed, the contractor shall be liable to the department for a pay reduction in the amount of \$25,000 per day or portion thereof, for each calendar day after 12:01 AM, on the date of the number of calendar days established by the bidder from the notice to proceed that work remains incomplete.

There is no limit on the maximum disincentive that will be deducted from payments made to the contractor.

If contract time expires before completing all work specified in the contract, additional liquidated damages according to standard spec 108.11 will be affixed in addition to the disincentive pay reduction.

D Measurement and Payment

Incentive/Disincentive for Completion of Work will be measured by the calendar day and will be paid for at the contract unit price per calendar day.

The unit price per day based on the incentive pay adjustment shall be compensation in full for completing the work as hereinbefore specified.

The unit price per day based on the disincentive pay reduction shall be assessed for failing to complete all the work as hereinbefore specified.

23. Safety Vehicle, Item SPV.0045.04.

A Description

This special provision describes providing a safety vehicle to assist the contractor and inspection staff in safely entering and exiting the work zone.

B Materials

Furnish a vehicle equipped with an amber light bar, slow moving vehicle signage, do not follow signage, and other appropriate safety lights or signs. Vehicle shall be minimum one ton capacity.

C Construction

Utilize safety vehicle and driver to assist contractor staff and department inspection staff in entering and exiting the work zone during allowed hours. Contractor designated safety vehicle will create a suitable gap in traffic.

D Measurement

The department will measure Safety Vehicle by the day, acceptably completed, measured as the number of calendar days the Safety Vehicle is in use on the project.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0045.04	Safety Vehicle	Day

Payment is full compensation for providing vehicle and driver.

24. Temporary Concrete Barrier Gate, Item SPV.0060.01.

A Description

This special provision describes furnishing and installing Temporary Concrete Barrier Gate, moving as required for project staging, and removing upon completion of the project.

B Materials

Furnish Temporary Concrete Barrier Gate and all necessary hardware and materials to install the gate.

Materials shall consist of ArmorGuard™ Gate System, 8 meter, or Vulcan Gate™, 30 feet, or approved equal.

The gate system shall be able to meet the recommended structural adequacy, occupant risk, and vehicle trajectory criteria set forth in the National Cooperative Highway Research Program Report (NCHRP) 350 for Test Level 3 for Longitudinal Barriers.

The gate shall be capable of preventing vehicle penetration, vaulting, and underriding during Test Level 3 Length Of Need with Transition (TL-3 LON/T) impacts and shall smoothly redirect the vehicle.

C Construction

Install the gate system in accordance to the contract details and manufacturer's recommendations at contract-identified locations or as the engineer directs. Move and reinstall the gate system as required for contract staging.

Ensure that the gap between the traffic face of temporary barrier and the traffic face of the gate transition is to be less than ¼ of an inch. If manufacturer allows, the contractor may bolt thrie beam and thrie beam terminal connector to temporary barrier and the gate transition to bridge this gap.

Maintain the gates throughout the duration of the project. Repair any damage to the gates within 48 hours.

Upon completion of the work, remove the gate system and properly dispose of all materials.

D Measurement

The department will measure Temporary Concrete Barrier Gate as each individual gate system, acceptably completed. Separate installations required for project staging will not be measured.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Temporary Concrete Barrier Gate	Each

Payment is full compensation for providing, installing, moving, reinstalling, maintaining, and removing the gate system.

25. Remove Luminaire, Item SPV.0060.02.

A Description

This special provision describes removing existing luminaires from poles.

B (Vacant)

C Construction

Under the bid item Remove Luminaires; disconnect and remove the luminaire from the locations shown in the Plan and/or as designated by the engineer.

Coordinate the de-energizing of the highway lighting with the site engineer. Remove luminaires after receiving approval from the engineer that the existing highway lighting can be removed. Luminaires will become the property of the contractor.

Pole wiring and fusing within the existing lighting unit shall be removed and will become the property of the contractor. Disconnect and remove wiring from existing branch circuits prior to luminaire removal.

D Measurement

The department will measure Remove Luminaire as each individual removed lighting unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.02	Remove Luminaire	Each

Payment is full compensation for removing existing luminaires, and pole wiring and fusing.

26. Install LED Luminaire, Item SPV.0060.03.

A Description

This special provision describes furnishing and installing LED luminaires on existing poles.

B Materials

The luminaires shall be specified and located on the plans and shall have the following characteristics:

- Equipped 4100 to 4300 Kelvin LED lamps.
- Type of optics scheduled.
- Voltage-sensing LED driver with quick disconnect harness.
- Operating current of no more than 700ma.
- Operate at 188 system watts or less.
- 10kV surge suppression.
- LED boards shall be removable and replaceable.
- Full cutoff optics.
- Shall fit the 2" WisDOT pole arm fitter.
- Die cast aluminum housing, factory finish gray or silver in color.
- Wattage category label "B" shall be fixed to the bottom of the luminaire.
- UL Listing.

Luminaire shall be: Philips Lighting RoadView LED series, Cat. No. RMV-160W96LED4K-LE3-UNIV-BL-GY3 or Cree LEDway series, Cat. No. STR-LWY-2S-HT-08-D-UL-SV-700-43K, or approved equal.

Furnish shop drawings as specified in standard spec 506.3.2, except submit 5 copies with the materials list. Ensure the drawings contain sufficient detail to allow satisfactory review and show the dimensions of all equipment shown in the plans.

All threaded equipment and mounting hardware shall be stainless steel.

C Construction

Under the bid item Install LED Luminaire, furnish and install luminaires as specified in locations shown on plans where luminaires have been removed. Provide all necessary miscellaneous accessories and hardware to complete the installation of the luminaires.

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

Coordinate the de-energizing of the highway lighting with the engineer.

Provide new pole riser wiring and splicing and fusing hardware for all new luminaires specified on plans.

Splicing and fusing materials and circuit connections shall be as per the Standard Detail Drawing Non-Freeway Lighting Unit Pole Wiring, and the WisDOT Qualified Electrical Products List.

All components of the lighting unit shall be installed in a workable first class condition and shall include all miscellaneous hardware required for a complete and operational lighting unit.

D Measurement

The department will measure Install LED Luminaire as each individual lighting unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.03	Install LED Luminaire	Each

Payment is full compensation for furnishing and installing all materials including luminaire, splicing and fusing hardware, accessories, and for hardware and fittings necessary to install the luminaire workable first class condition.

27. Salvage and Reinstall Sign, Item SPV.0060.04.

A Description

This special provision describes salvaging and installing signs at the location shown on the plans.

B Materials

Furnish materials conforming to the details shown on the plan and in accordance to standard spec 643.

C Construction

Remove existing signs and supports, store them for the duration of the project, and reinstall them at the existing locations during Stage 4 when the travel lanes are no longer shifted towards the median. Any damaged signs or supports shall be replaced at the contractor's expense.

D Measurement

The department will measure Salvage and Reinstall Sign as each individual salvaged and reinstalled sign, 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.0060.04	Salvage and Reinstall Sign	Each

Payment is full compensation for removing, maintaining, and reinstalling sign.

28. Asphalt Surface Patching Mobilization, Item SPV.0060.05.

A Description

This special provision describes mobilization required for asphalt surface patching.

Patching will be paid for separately under the item Asphaltic Surface Patching.

B (Vacant)

C Construction

Asphalt Surface Patching Mobilization shall be as requested by the engineer for asphalt surface patching activities. The contractor shall respond to the request for Asphalt Patching Mobilization within 24 hours.

D Measurement

The department will measure Asphalt Surface Patching Mobilization as each individual patching mobilization, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.05	Asphalt Surface Patching Mobilization	Each

Payment is full compensation for furnishing all work required under this item.

29. Street Sweeping, SPV.0060.06.**A Description**

This special provision describes removing dust and debris from the roadway through the use of a street sweeper.

B Materials

Conduct street sweeping using a street sweeper equipped with a power broom, vacuum, and water sprayer.

Vacuum equipment shall have a suitable self-contained particulate collector to prevent discharge from the collection bin into the atmosphere. Particulate collector and water sprayer shall be in use at all times during sweeping operations.

C Construction

Sweep the USH 12 pavement lanes and shoulders in advance of the initial lane shift at the beginning of the project.

Perform street sweeping during off-peak hours. Obtain approval from the engineer for the exact day of sweeping. Do not perform sweeping during inclement weather such as rain. If inclement weather is forecast for the scheduled sweeping day/time, coordinate with the engineer to adjust the schedule for that week.

Take reasonable measures to protect existing storm sewer inlets and manholes. Do not use the existing storm sewer system at any time to empty equipment. During the course of sweeping, some dust and debris will enter the existing storm sewer system, but perform the work in such a manner to minimize this.

Dispose of the accumulated material in compliance to all applicable laws, statutes and ordinances. Cover or secure materials likely to become air-borne while being moved on public roads where necessary.

D Measurement

The department will measure Street Sweeping as each occurrence, 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.0060.06	Street Sweeping	Each

Payment for Street Sweeping is full compensation for furnishing all work, materials, equipment, appurtenances, and incidentals required by the contractor for street sweeping to remove all dust and dirt from all USH 12 pavement lanes and shoulders within the construction limits.

30. Temporary Thrie Beam Connection, Item SPV.0060.07.

A Description

This special provision describes providing temporary thrie beam connection and angle plate at gaps in Concrete Barrier Temporary Precast in accordance to standard spec 506 and 614 with the connections as detailed in the plans.

B Materials

Furnish and install temporary thrie beam connection, angle plate, mechanical anchors, and thrie beam terminal connectors according to the pertinent requirements of standard spec 506 and 614.

C Construction

Construct Temporary Thrie Beam Connections as indicated on the plan or required by the engineer.

D Measurement

The department will measure Temporary Thrie Beam Connection as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.07	Temporary Thrie Beam Connection	Each

Payment is full compensation for installing Temporary Thrie Beam Connections, including mechanical anchors, thrie beam terminal connectors, angle plate, and removal upon completion.

31. Concrete Barrier Temporary Emergency Repair Mobilization, Item SPV.0060.08.

A Description

This special provision describes mobilization required for emergency repair of concrete barrier temporary. Extra barrier sections shall be available on site and will be paid for under the Concrete Barrier Temporary Precast Furnished item. Barrier sections requiring

replacement will be paid for under the Concrete Barrier Temporary Precast Installed item.

B (Vacant)

C Construction

Concrete Barrier Temporary Emergency Repair Mobilization shall be as requested by the engineer. The contractor shall respond to the request for Concrete Barrier Emergency Repair Mobilization within 1 hour.

D Measurement

The department will measure Concrete Barrier Temporary Emergency Repair Mobilization as each individual mobilization, 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	Concrete Barrier Temporary Emergency Repair Mobilization	Each

Payment is full compensation for furnishing all work required under this item.

32. Temporary Thrie Beam Connection at Light Base, Item SPV.0060.09.

A Description

This special provision describes providing temporary thrie beam connection at light base locations in the Concrete Barrier in accordance with standard spec 506 and 614 with the connections as detailed in the plans.

B Materials

Furnish and install temporary thrie beam connection, mechanical anchors, and thrie beam terminal connectors according to the pertinent requirements of standard spec 506 and 614.

C Construction

Construct Temporary Thrie Beam Connection at Light Base as indicated on the plan or required by the engineer.

D Measurement

The department will measure Temporary Thrie Beam Connection at Light Base as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.09	Temporary Thrie Beam Connection	Each

Payment is full compensation for installing Temporary Thrie Beam Connections at light bases, including mechanical anchors, thrie beam terminal connectors, block out plates, and removal upon completion.

33. Protective Screen Furnished, Item SPV.0090.01 and Protective Screen Installed, Item SPV.0090.02.

A Description

This special provision describes furnishing and installing a barrier screen on existing concrete barrier, existing concrete parapets, and Concrete Barrier Temporary Precast and removal upon completion of the project.

B Materials

Furnish Armorcast Guardian Gawk-Glare Screen and all necessary hardware and materials to install the glare screen.

C Construction

Furnish and deliver protective screen to worksites within the project and remove it upon project completion.

Install the screen in accordance to the manufacturer's recommendations at contract-identified locations or as the engineer directs. Also make contract-identified or engineer-directed moves that do not require trucking and reinstall at those new locations.

Maintain the screen during construction. Repair or replace any portion of the screen that is damaged during construction as directed by the engineer. Fill all holes in the permanent concrete barrier and concrete parapet left by anchorage methods with an epoxy from the departments approved products list.

D Measurement

The department will measure Protective Screen Delivered by the linear foot, acceptably delivered to the project site. The department will measure Protective Screen Installed by the linear foot, acceptably completed, measured along the base of the protective screen after each installation for each contract-identified or engineer-directed initial installation. The department will also measure subsequent contract-identified or engineer-directed reinstallations. The department will not measure installations made solely to accommodate the contractor's means and methods.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Protective Screen Delivered	LF
SPV.0090.02	Protective Screen Installed	LF

Payment is full compensation for providing protective screen, initial delivery, trucking between worksites, each installation, and removing after contract completion; and for furnishing all hardware necessary to install the screen.

34. Removing Pavement Markings Water Blasting, Item SPV.0090.03.

A Description

Remove pavement markings using ultra-high pressure water. Remove pavement markings from locations shown on the plans or as the engineer directs.

B (Vacant)

C Construction

Provide a truck or vehicle mounted ultra high pressure pump and water tank capable of delivering a minimum of 30,000 psi and up to 40,000 psi to waterjet nozzles.

Remove pavement markings through means of water blasting. Do not damage the pavement during removal process.

D Measurement

The department will measure Removing Pavement Markings Water Blasting by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.03	Removing Pavement Markings Water Blasting	LF

Payment for Removing Pavement Markings Water Blasting is full compensation for removal, repairing associated damage, and disposal of residue.

35. Sawing Concrete Relief Joint, Item SPV.0090.04.

A Description

This special provision describes sawing existing concrete pavement relief joints.

B Materials

Provide crumb rubber consisting of granulated tire crumb, metal free, sized to ½ to 1 inch mesh.

Provide a hot-poured joint sealant meeting the requirements of ASTM D6690.

C Construction

Saw existing concrete pavement for relief joints in accordance to standard spec 690.3 at the contract-identified or engineer-directed locations. Locate saw cuts at mid-panel. Two saw cuts are required for each relief joint. Remove concrete between the saw cuts.

Fill relief joints with crumb rubber and seal with hot-poured joint sealer.

D Measurement

The department will measure Sawing Concrete Relief Joint by the linear foot along each relief joint, acceptably completed. The department will not measure overcuts beyond the limits the plans show or the engineer directs.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.04	Sawing Concrete Relief Joint	LF

Payment is full compensation for furnishing all sawing, sludge removal, crumb rubber, and hot-poured joint sealer.

36. Concrete Median Barrier Double Faced 32-Inch Special, Item SPV.0090.05.

A Description

This special provision describes constructing concrete median barrier in accordance to the plan details and standard spec 603.

B Materials

Furnish materials that are according to the pertinent requirements of standard spec 603.2.

C Construction

Construct barrier in accordance to the pertinent requirements of standard spec 603.3.

D Measurement

The department will measure Concrete Median Barrier Double Faced 32-Inch Special by the linear foot of barrier, acceptably completed, measured along the base of the barrier.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.05	Concrete Median Barrier Double Faced 32-Inch Special	LF

Payment is full compensation for providing barrier; for disposing of excess material.

37. Concrete Barrier Temporary Precast Emergency Repair Standby Time, Item SPV.0105.01.

A Description

This special provision describes providing equipment and labor that will be available at the project site, necessary to install temporary precast concrete barrier in emergency situations to replace or supplement previously installed temporary barrier, and in accordance to the pertinent provisions of standard spec 603 and the plan standard detail drawings.

B (Vacant)

C Construction

Provide equipment at the project site that will be operational within one hour of notification by the engineer, the County Sheriff, or the State Patrol Region Headquarters, and that is capable to load, haul, unload, remove and place temporary precast concrete barrier that is in inventory on hand within the project limits. Provide a barrier wall lifting device that will be available for use by emergency services. Such equipment shall be stored within the project limits at all times when concrete barrier is in use within the project limits. Provide a qualified individual, designated as the Barrier Installation Specialist, who will be present at the project site within one hour of notification by the engineer, the County Sheriff, or the State Patrol Region Headquarters, and is capable of operating equipment and tools to load, haul, unload, remove and place temporary precast concrete barrier that is in inventory on hand within the project limits. The Barrier Installation Specialist shall be available, as outlined above, at all times when concrete barrier is in use within the project limits.

Provide additional individuals that will be present at the project site within three hours of notification by the Barrier Installation Specialist, who are capable of assisting the Barrier Installation Specialist to load, haul, unload, remove and place temporary precast concrete barrier.

D Measurement

The department will measure Concrete Barrier Temporary Precast Emergency Repair Standby Time as a single lump sum unit of work, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.01	Concrete Barrier Temporary Precast Emergency Repair Standby Time	LS

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

Concrete Barrier Temporary Installed and Concrete Barrier Temporary Emergency Repair Mobilization will be paid for separately.

38. Temporary Overhead Sign Support, Item SPV.0105.02.

A Description

This special provision describes installing and removing a temporary overhead sign support at the location shown on the plans.

B Materials

Furnish materials conforming to the details shown on the plan and in accordance to standard spec 636 and 641.

C Construction

Install temporary overhead sign support and bases conforming to the details shown on the plan and in accordance to standard spec 636 and 641.

Remove temporary overhead sign support upon completion of the work on USH 12 and restore the site to pre-construction condition.

D Measurement

The department will measure Temporary Overhead Sign Support as a single lump sum unit of work for the support and base, installed, and removed, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.02	Temporary Overhead Sign Support	LS

Payment is full compensation for installing Temporary Overhead Sign Support, removal upon completion, and restoration of site.

39. Maintain Lighting System SPV.0105.03.

A Description

This special provision describes maintaining night time operation of the complete lighting system during construction.

B (Vacant)

C Construction

Schedule the removal of existing luminaires and the installation of new LED luminaires in such a way as to maintain night time operation of the complete lighting system during construction. Overnight lighting outages of any lighting units will not be allowed.

Use the planned median lane closures to accomplish this work. No additional lane closures for the exclusive purpose of removing existing and installing new luminaires will be allowed.

Do not allow a mixture of HPS fixtures and LED fixtures to exist in the median of USH 12 for more than 14 days.

D Measurement

The department will measure Maintain Lighting System as a single lump sum unit of work for acceptably maintaining night time operation of the complete lighting system during construction operations for the duration of the project.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.03	Maintain Lighting System	LS

Payment is full compensation for coordinating work efforts to ensure a complete lighting system remains lit at night during construction operations for the duration of the project.

ADDITIONAL SPECIAL PROVISION 4

Payment to all Subcontractors. Within 10 calendar days of receipt by a contractor of a progress payment for work performed, materials furnished, or materials stockpiled by a subcontractor, the contractor shall pay that subcontractor for all work satisfactorily performed and for all materials furnished or stockpiled.

The contractor agrees further to release retainage amounts to each subcontractor within 10 calendar days after the subcontractor's work is satisfactorily completed. In addition, whenever the Department reduces the contract retainage amount, within 10 calendar days of receipt by a contractor of a retainage payment, the contractor must reduce the total amount retained from subcontractors to no more than remains retained by the Department.

The contractor shall pay the subcontractor within the time frames described above unless the contractor complies with both of the following within 10 calendar days of receiving the Department's progress payment:

- 1) The contractor notifies the subcontractor in writing that the work is not satisfactorily completed.
- 2) The contractor requests approval from the Department to delay payment because the subcontractor has not satisfactorily completed the work.

The contractor's request for approval should include the written notification to the subcontractor and shall provide sufficient documentation of good cause to assist the engineer in making a timely decision. If the engineer does not grant approval, the contractor shall pay the subcontractor within 10 calendar days of the Department's decision.

All subcontracting agreements made by a contractor shall include the above provisions and shall be binding on all contractors and subcontractors.

The contractor certifies compliance with the requirements of this Additional Special Provision by signing the contract. This clause applies to both DBE and non-DBE subcontractors.

ADDITIONAL SPECIAL PROVISION 6 MODIFICATIONS TO THE STANDARD SPECIFICATIONS

Make the following revisions to the 2013 edition of the standard specifications:

106.3.4.3.1 General

Replace paragraph two with the following effective with the November 2012 letting:

- (2) Required sampling and testing methodologies and documentation are specified in CMM chapter 8.
 - (3) If disputed, approval of materials and components, as well as acceptance of the work incorporating those materials or components, is subject to review under the QMP dispute resolution process.
-

107.17.3 Railroad Insurance Requirements

Replace the entire text with the following effective with the August 2012 letting:

- (1) If required by the special provisions, provide or arrange for a subcontractor to provide railroad protective liability insurance in addition to the types and limits of insurance required in 107.26. Keep railroad protective liability insurance coverage in force until completing all work, under or incidental to the contract, on the railroad right of way or premises of the railroad and until the department has accepted the work as specified in 105.11.2.4.
- (2) Provide railroad protective liability insurance coverage written as specified in 23 CFR part 646 subpart A. Provide a separate policy for each railroad owning tracks on the project. Ensure that the railroad protective liability insurance policies provide the following minimum limits of coverage:
 - 1. Coverage A, bodily injury liability and property damage liability; \$2 million per occurrence.
 - 2. Coverage B, physical damage to property liability; \$2 million per occurrence.
 - 3. An annual aggregate amount of \$6 million that shall apply separately to each policy renewal or extension.
- (3) Obtain coverage from insurance companies licensed to do business in Wisconsin that have an A.M. Best rating of A- or better. The cost of providing the required insurance coverage and limits is incidental to the contract. The department will make no additional or special payment for providing insurance.
- (4) Submit the following to each railroad owning tracks on the project as evidence of that railroad's respective coverage:
 - 1. A certificate of insurance for the types and limits of insurance specified in 107.26.
 - 2. The railroad protective liability insurance policy or other acceptable documentation to the railroad company.
- (5) Submit the following to the region as evidence of the required coverage:
 - 1. A copy of the letter to the railroad company transmitting the submittal documents specified in 107.17.3(4).
 - 2. A certificate of insurance for the required railroad protective liability coverages.
- (6) Do not begin work on the right of way or premises of the railroad company until the region receives the submittals specified in 107.17.3(5) and notification from the railroad company that the contractor has provided sufficient insurance information to begin work.
- (7) Notify the railroad and the region immediately upon cancellation or initiating cancellation, whichever is earlier, or any material change in coverage. Cease operations within 50 feet of the railroad right of way immediately if insurance is cancelled or reduced. Do not resume operations until the required coverage is in force.

460.2.8.3.1.4 Department Verification Testing Requirements

Replace paragraph four with the following effective with the December 2012 letting:

- (4) The department will randomly test each design mixture at the following minimum frequency:
- FOR TONNAGES TOTALING:
- Less than 501 tons no tests required
- From 501 to 5,000 tons..... one test
- More than 5,000 tons..... add one test for each additional 5,000-ton increment

501.2.5.5 Sampling and Testing

Replace the entire text with the following effective with the January 2013 letting:

- (1) Sample and test aggregates for concrete according to the following:
- Sampling aggregates AASHTO T2
- Lightweight pieces in aggregate AASHTO T113
- Material finer than No. 200 sieve AASHTO T11
- Unit weight of aggregate AASHTO T19
- Organic impurities in sands AASHTO T21
- Sieve analysis of aggregates AASHTO T27
- Effect of organic impurities in fine aggregate AASHTO T71
- Los Angeles abrasion of coarse aggregate AASHTO T96
- Freeze-thaw soundness of coarse aggregate..... AASHTO T103
- Sodium sulfate soundness of aggregates..... AASHTO T104
- Specific gravity and absorption of fine aggregate AASHTO T84
- Specific gravity and absorption of coarse aggregate AASHTO T85
- Flat & elongated pieces based on a 3:1 ratio..... ASTM D4791^[1]
- Sampling fresh concrete AASHTO R60
- Making and curing concrete compressive strength test specimens AASHTO T23
- Compressive strength of molded concrete cylinders AASHTO T22

^[1] As modified in CMM 8-60.

506.3.22 Shop Inspection

Replace paragraph one with the following effective with the July 2010 letting:

- (1) The engineer or an independent inspection agency under department contract may inspect all structural steel and miscellaneous metals furnished. The department will provide the contractor with monthly consultant inspection invoices and identify any quality deficiencies at the fabrication facility.

506.5 Payment

Add paragraph nine as follows effective with the June 2010 letting:

- (9) The department will limit costs for inspections conducted under 506.3.2 to \$0.05 per pound of material and deduct costs in excess of that amount from payment due the contractor. The department will determine costs for in-house inspections based on hourly rates for department staff plus overhead and use invoiced costs for contracted-out inspections. The department will administer deductions for the contractor's share of the total inspection cost under the Excess Costs For Fabrication Shop Inspection administrative item.

507.2.2.1 General

Replace paragraph four with the following effective with the December 2012 letting:

- (4) Ensure that there are no unsound knots or knot holes. Also ensure that there are no tight knots of a diameter exceeding one-quarter of the greater dimension at the point where they occur. Measure a knot by taking its diameter at right angles to the length of the timber. Ensure that the sum of sizes of all knots in any one-foot length does not exceed 2 times the size of the largest allowed single knot. The engineer will treat cluster knots as if they were a single knot. A cluster knot is 2 or more knots grouped together, with the fibers of the wood deflected around the entire unit.
-

512.3.1 Driving and Cutting Off

Replace the entire text with the following effective with the December 2012 letting:

512.3.1.1 General

- (1) Coordinate driving operations to prevent damage or displacement of concrete in substructure units or damage to adjacent facilities due to vibrations.
- (2) Drive sheeting with a variation of 1/4 inch or less per foot from the vertical or from the batter the plans show. Ensure that the sheetpiles are within 6 inches of the plan position after driving. Do not damage sheetpiles attempting to correct for misalignment.
- (3) Remove and replace, or otherwise correct, sheetpiles the engineer deems unacceptable under 105.3. Submit details of planned corrections to the engineer for review and approval before initiating any corrective actions.
- (4) Drive sheetpiles to or beyond the required tip elevation the plans show.

512.3.1.2 Driving System

- (1) Furnish a sheetpile driving system capable of driving the sheetpiles to the required minimum tip elevation the plans show.
- (2) The engineer may order the contractor to remove a pile driving system component from service if it causes insufficient energy transfer or damages the sheetpiles. Do not return a component to service until the engineer determines that it has been satisfactorily repaired or adjusted.
- (3) Drive sheetpiles with diesel, air, steam, gravity, hydraulic, or vibratory hammers.

512.3.1.3 Cut-Offs

- (1) Cut off sheetpiles at the elevations the plans show or as the engineer directs. Pile cut-offs become the property of the contractor. Dispose of cut-offs not incorporated into the work.
-

526.3.3 Temporary Structures

Replace paragraphs two through four with the following effective with the January 2013 letting:

- (2) Inspect temporary structures conforming to the National Bridge Inspection Standards (NBIS) and the department's structure inspection manual before opening to traffic. Perform additional inspections, as the department's structure inspection manual requires, based on structure type and time in service. Submit inspection reports on department form DT2007 to the engineer and electronic copies to the department's bureau of structures maintenance section. Ensure that a department-certified active team leader, listed online in the department's highway structures information system (HSIS), performs the inspections.
- (3) Maintain temporary structures and approaches in place until no longer needed. Unless the engineer directs otherwise, completely remove and dispose of as specified in 203.3.4. Contractor-furnished materials remain the contractor's property upon removal.

614.2.5 Wood Posts and Offset Blocks

Retitle and replace the entire text with the following effective with the July 2012 letting:

614.2.5 Posts and Offset Blocks**614.2.5.1 Wood Posts and Offset Blocks**

- (1) Furnish sawed posts and offset blocks of one of the following species:

Douglas fir	Southern pine	Ponderosa pine	Jack pine	White pine
Red pine	Western hemlock	Western larch	Hem-fir	Oak
- (2) Ensure that posts are the size the plans show and conform to the nominal and minimum dimensions tabulated in 507.2.2.3. The contractor does not have to surface the posts. Provide posts of the net length the plans show after setting and cut off.
- (3) Use stress graded posts rated at 1200 psi f_b or higher. Determine the stress grade rating for douglas fir, western larch, and southern pine as specified in 507.2.2.4.
- (4) For hem-fir, hemlock, red pine, white pine, jack pine, ponderosa pine, and oak conform to the following:

TABLE 614-1 PROPERTIES FOR WOOD POSTS AND BLOCKS

SPECIES			WESTERN HEMLOCK, HEM-FIR, RED PINE, WHITE PINE, JACK PINE, PONDEROSA PINE		OAK	
MAXIMUM SLOPE OF GRAIN			1 in 15		1 in 12	
NOMINAL WIDTH OF FACE			6"	8"	6"	8"
SHAKES, CHECKS, AND SPLITS	GREEN		1"	1 3/8"	2 3/8"	3 1/8"
	SEASONED		1 1/2"	2"	2 5/8"	3 1/2"
MAXIMUM WANE			1"	1 3/8"	1 1/8"	1 5/8"
MAXIMUM ALLOWABLE KNOTS	NARROW FACE	MIDDLE 1/3 OF LENGTH	1 3/8"	1 5/8"	2 1/8"	2 3/8"
		END ^[1]	2 3/4"	3 1/4"	4 1/4"	4 3/4"
		SUM IN MIDDLE 1/2 OF LENGTH ^[2]	11"	13"	17"	19
	WIDE FACE	EDGE KNOT N MIDDLE 1/3 OF LENGTH	1 3/8"	1 5/8"		
		EDGE KNOT AT END ^[1]	2 3/4" 7	3 1/4"		
		CENTERLINE	1 3/8"	1 7/8"	2 1/4"	2 7/8"
		SUM IN MIDDLE 1/2 OF LENGTH	5 1/2"	7 1/2"	9"	11 1/2"

^[1] But do not exceed the maximum allowable knot on the centerline of the wide face of the same piece.

^[2] But do not exceed 4 times the maximum allowable knot on the centerline of the wide face of the same piece.

- (5) Pressure treat posts and offset blocks as specified in 507.2.2.6. Use one of the oil-soluble preservatives or chromated copper arsenate conforming to 507.2.3. Use the same material for offset blocks and posts and treat material used in each continuous installation with the same type of preservative.

614.2.5.2 Steel Posts

- (1) Furnish steel posts conforming to AASHTO M270 Grade 36 and galvanized according to AASTHO M111.

614.2.5.3 Plastic Offset Blocks

- (1) Furnish plastic offset blocks from the department's approved products list.

614.3.1 General

Replace the entire text with the following effective with the July 2012 letting:

- (1) Paint the ends of cut-off galvanized posts, rail, bolts, cut or drilled surfaces of galvanized components, and areas of damaged zinc coating with 2 coats of zinc dust/zinc oxide paint. Clean the damaged and adjacent areas thoroughly before applying paint.
- (2) Apply 2 coats of wood preservative to cut surfaces of wood components. Use the same preservative originally used to treat that component or use a 2-percent solution of copper naphthenate conforming to AWWA Standard P8 or P36.

614.3.2.1 Installing Posts

Replace paragraph four with the following effective with the July 2012 letting:

- (4) Cut post tops to the finished elevation the plans show.

628.2.13 Rock Bags

Replace paragraph one with the following effective with the November 2012 letting:

- (1) Furnish rock bags made of a porous, ultraviolet resistant, high-density polyethylene or geotextile fabric that will retain 70% of its original strength after 500 hours of exposure according to ASTM D4355 and a minimum in-place filled size of 18-inches long by 12-inches wide by 6-inches high. Ensure that the fabric conforms to the following:

TEST REQUIREMENT	METHOD	VALUE
Minimum Tensile	ASTM D4632	
Machine direction		70 lb minimum
Cross direction		40 lb minimum
Elongation	ASTM D4632	
Machine direction		20% minimum
Cross direction		10 % min
Puncture	ASTM 4833	65 lbs minimum
Minimum Apparent Opening		0.0234 inches (No. 30 sieve)
Maximum Apparent Opening		0.0787 inches (No. 10 sieve)

701.4.2 Verification Testing

Replace paragraph two with the following effective with the December 2012 letting:

- (2) The department will sample randomly at locations independent of the contractor's QC tests and use separate equipment and laboratories. The department will conduct a minimum of one verification test for each 5 contractor QC tests unless specific QMP provisions specify otherwise.

715.3.1.3 Department Verification Testing

Replace paragraph one with the following effective with the December 2012 letting:

- (1) The department will perform verification testing as specified in 701.4.2 except as follows:
- Air content, slump, and temperature: a minimum of 1 verification test per lot.
 - Compressive strength: a minimum of 1 verification test per lot.

Errata

Make the following corrections to the 2012 edition of the standard specifications:

107.22 Contractor's Responsibility for Utility Facilities, Property, and Services

Correct errata by eliminating references to the department. Costs are determined by statute.

- (3) If the contractor damages or interrupts service, the contractor shall notify the utility promptly. Coordinate and cooperate with the utility in the repair of the facility. Determine who is responsible for repair costs according to Wisconsin statutes 66.0831 and 182.0175(2).
-

506.2.6.5.2 Pad Construction

Correct errata by changing ASTM A570 to ASTM A1011.

- (4) For the internal steel plates use rolled mild steel conforming to ASTM A36, or ASTM A1011 grade
-

512.3.3 Painting

Correct errata by changing 511.3.5 to 550.3.11.3.

- (1) Paint permanent steel sheet piling as specified for painting steel piling in 550.3.11.3.
-

513.2.2.8 Toggle Bolts

Correct errata by changing r ASTM A570 to ASTM A1011.

- (1) Use toggle bolts made of steel, conforming to the plans. Make the assembly from the material specified below:
- | | |
|---------------------------|--|
| Toggle bolt and pin | Cold finished steel heat-treated Brinell 311-363 ASTM A354. |
| Toggle washer | Hot rolled steel ASTM A1011. Manufacturer's standard washer. |
| Spacer nut | Grade 1213, ASTM A108. Cold finished steel heat-treated ASTM A325. |
-

660.2.1 General

Correct errata by changing section 511 to 550.

- (1) Furnish materials conforming to the following:
- | | |
|--------------------------|-------------|
| Concrete | section 501 |
| Concrete bridges | section 502 |
| Luminaires | section 659 |
| Steel piling | section 550 |
| Steel reinforcement..... | section 505 |
-

660.3.2.3 Pile Type Foundations

Correct errata by changing section 511 to 550.

- (1) Drive piles as specified in for steel piling in section 550.

701.3 Contractor Testing

Correct errata by changing AASHTO T141 to AASHTO R60 and changing AASHTO T309 to ASTM C1064.

- (1) Perform contract required QC tests for samples randomly located according to CMM 8-30. Also perform other tests as necessary to control production and construction processes, and additional testing enumerated in the contractor's quality control plan or that the engineer directs. Use test methods as follows:

TABLE 701-2 TESTING STANDARDS

TEST	TEST STANDARD
Washed P 200 analysis	AASHTO T11 ^[1]
Sieve analysis of fine and coarse aggregate	AASHTO T27 ^[1]
Aggregate moisture	AASHTO T255 ^[1]
Sampling freshly mixed concrete	AASHTO R60
Air content of fresh concrete	AASHTO T152 ^[2]
Concrete slump	AASHTO T119 ^[2]
Concrete temperature	ASTM C1064
Concrete compressive strength	AASHTO T22
Making and curing concrete cylinders	AASHTO T23
Standard moist curing for concrete cylinders	AASHTO M201

^[1] As modified in CMM 8-60.

^[2] As modified in CMM 8-70.

ADDITIONAL SPECIAL PROVISION 7

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

**ADDITIONAL SPECIAL PROVISION 9
Electronic Certified Payroll Submittal**

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

<http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm>

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

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

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

(5) Firms wishing to export payroll data from their computer system into CRCS should have their payroll coordinator send several sample electronic files to Tess two months before a payroll needs to be submitted. Not every contractor's payroll system is capable of producing export files. For details, see section 3.2 of the CRCS System Background Information manual available online on the Labor, Wages, and EEO Information page at:

<http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/docs/crc-basic-info.pdf>

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 April 1, 2012

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	32.66	15.92	48.58
Carpenter	30.23	15.16	45.39
Cement Finisher	30.68	15.68	46.36
Future Increase(s): Add \$1.86 on 6/1/12; Add \$1.87 on 6/1/13; Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/ 1/ 16.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
Electrician	37.25	14.68	51.93
Fence Erector	35.62	0.00	35.62
Ironworker	30.90	19.11	50.01
Line Constructor (Electrical)	35.97	18.08	54.05
Painter	28.00	11.15	39.15
Pavement Marking Operator	26.65	14.92	41.57
Piledriver	29.56	15.16	44.72
Roofer or Waterproofer	28.06	0.00	28.06
Teledata Technician or Installer	21.26	6.99	28.25
Tuckpointer, Caulker or Cleaner	32.66	16.20	48.86
Underwater Diver (Except on Great Lakes)	36.20	18.81	55.01
Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.42	12.90	48.32
Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	35.50	14.27	49.77
Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.18	14.07	39.25
Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	23.38	12.48	35.86

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.30	10.97	32.27

TRUCK DRIVERS

Single Axle or Two Axle	22.35	16.19	38.54
Future Increase(s): Add \$1.75/hr on 6/1/2012; Add \$1.85/hr on 6/1/2013. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Three or More Axle	22.50	16.19	38.69
Future Increase(s): Add \$1.75/hr on 6/1/2012; Add \$1.85/hr on 6/1/2013. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.			
Articulated, Euclid, Dumptor, Off Road Material Hauler	24.91	15.63	40.54
Pavement Marking Vehicle	23.84	14.76	38.60
Shadow or Pilot Vehicle	24.76	15.35	40.11
Truck Mechanic	24.91	15.35	40.26

LABORERS

General Laborer	27.20	13.45	40.65
Future Increase(s): Add \$1.60/hr on 6/1/2012; Add \$1.70/hr on 6/1/2013; 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	23.96	12.88	36.84
Landscaper	27.20	13.45	40.65
Future Increase(s): Add \$1.60/hr on 6/1/12; Add \$1.70/hr on 6/1/13; Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Flagperson or Traffic Control Person	23.55	13.45	37.00
Future Increase(s): Add \$1.60/hr on 6/1/2012; Add \$1.70/hr on 6/1/2013; Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
Fiber Optic Laborer (Outside, Other Than Concrete Encased)	16.51	0.00	16.51
Railroad Track Laborer	14.00	4.77	18.77

<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 \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/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).	34.22	18.90	53.12
Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/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).	33.72	18.90	52.62
Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches	33.22	18.90	52.12

<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 \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/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).			

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.	32.96	18.90	51.86
Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/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).			

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.	32.67	18.90	51.57
Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.			
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/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).			

Fiber Optic Cable Equipment.	22.00	7.27	29.27

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20130212008PROJECT(S):
1206-04-61FEDERAL 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

0002	203.0225.S DEBRIS CONTAINMENT (STRUCTURE) 01. B-13-315	LUMP	LUMP		.	
0004	203.0225.S DEBRIS CONTAINMENT (STRUCTURE) 02. B-13-316	LUMP	LUMP		.	
0006	203.0700.S REMOVING OLD STRUCTURE OVER WATERWAY WITH DEBRIS CAPTURE SYSTEM (STATION) 01. 112+68	LUMP	LUMP		.	
0008	203.0700.S REMOVING OLD STRUCTURE OVER WATERWAY WITH DEBRIS CAPTURE SYSTEM (STATION) 02. 112+68 'AUX'	LUMP	LUMP		.	
0010	204.0100 REMOVING PAVEMENT	2,600.000 SY	.		.	
0012	204.0157 REMOVING CONCRETE BARRIER	1,266.000 LF	.		.	
0014	204.0195 REMOVING CONCRETE BASES	6.000 EACH	.		.	
0016	205.0100 EXCAVATION COMMON	5,300.000 CY	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20130212008PROJECT(S):
1206-04-61FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0018	211.0200 PREPARE FOUNDATION FOR CONCRETE PAVEMENT (PROJECT) 01. 1206-04-61	LUMP	LUMP		.	
0020	213.0100 FINISHING ROADWAY (PROJECT) 01. 1206-04-61	1.000 EACH	.		.	
0022	305.0110 BASE AGGREGATE DENSE 3/4-INCH	60.000 TON	.		.	
0024	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	1,820.000 TON	.		.	
0026	415.1100 CONCRETE PAVEMENT HES 10-INCH	14,500.000 SY	.		.	
0028	416.0610 DRILLED TIE BARS	3,050.000 EACH	.		.	
0030	416.1110 CONCRETE RUMBLE STRIPS SHOULDER	7,627.000 LF	.		.	
0032	465.0110 ASPHALTIC SURFACE PATCHING	5.000 TON	.		.	
0034	502.3100 EXPANSION DEVICE (STRUCTURE) 01. B-13-315	LUMP	LUMP		.	
0036	502.3100 EXPANSION DEVICE (STRUCTURE) 02. B-13-316	LUMP	LUMP		.	
0038	502.3200 PROTECTIVE SURFACE TREATMENT	531.000 SY	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20130212008PROJECT(S):
1206-04-61FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0040	502.5005 MASONRY ANCHORS TYPE L NO. 5 BARS	245.000 EACH	.		.	
0042	505.0605 BAR STEEL REINFORCEMENT HS COATED BRIDGES	52,310.000 LB	.		.	
0044	505.0904 BAR COUPLERS NO. 4	72.000 EACH	.		.	
0046	505.0905 BAR COUPLERS NO. 5	12.000 EACH	.		.	
0048	505.0906 BAR COUPLERS NO. 6	260.000 EACH	.		.	
0050	505.0907 BAR COUPLERS NO. 7	216.000 EACH	.		.	
0052	509.0301 PREPARATION DECKS TYPE 1	175.000 SY	.		.	
0054	509.0302 PREPARATION DECKS TYPE 2	70.000 SY	.		.	
0056	509.0500 CLEANING DECKS	210.000 SY	.		.	
0058	509.1000 JOINT REPAIR	521.000 SY	.		.	
0060	509.2500 CONCRETE MASONRY OVERLAY DECKS	198.000 CY	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20130212008PROJECT(S):
1206-04-61FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0062	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED	7,600.000 LF	.		.	
0064	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED	19,320.000 LF	.		.	
0066	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	320.000 LF	.		.	
0068	611.0430 RECONSTRUCTING INLETS	1.000 EACH	.		.	
0070	611.0654 INLET COVERS TYPE V	2.000 EACH	.		.	
0072	611.3220 INLETS 2X2-FT	2.000 EACH	.		.	
0074	611.8115 ADJUSTING INLET COVERS	2.000 EACH	.		.	
0076	612.0104 PIPE UNDERDRAIN 4-INCH	20.000 LF	.		.	
0078	614.0905 CRASH CUSHIONS TEMPORARY	10.000 EACH	.		.	
0080	619.1000 MOBILIZATION	1.000 EACH	.		.	
0082	625.0500 SALVAGED TOPSOIL	200.000 SY	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20130212008PROJECT(S):
1206-04-61FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0084	627.0200 MULCHING	200.000 SY	.		.	
0086	628.1504 SILT FENCE	6,500.000 LF	.		.	
0088	628.1520 SILT FENCE MAINTENANCE	6,500.000 LF	.		.	
0090	628.1905 MOBILIZATIONS EROSION CONTROL	2.000 EACH	.		.	
0092	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL	2.000 EACH	.		.	
0094	628.2004 EROSION MAT CLASS I TYPE B	200.000 SY	.		.	
0096	629.0210 FERTILIZER TYPE B	7.000 CWT	.		.	
0098	630.0130 SEEDING MIXTURE NO. 30	4.000 LB	.		.	
0100	642.5001 FIELD OFFICE TYPE B	1.000 EACH	.		.	
0102	643.0100 TRAFFIC CONTROL (PROJECT) 01. 1206-04-61	1.000 EACH	.		.	
0104	643.0300 TRAFFIC CONTROL DRUMS	60,240.000 DAY	.		.	

SCHEDULE OF ITEMS

REVISED:

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20130212008PROJECT(S):
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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0106	643.0420 TRAFFIC CONTROL BARRICADES TYPE III	1,570.000 DAY	.		.	
0108	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	1,570.000 DAY	.		.	
0110	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C	21,600.000 DAY	.		.	
0112	643.0800 TRAFFIC CONTROL ARROW BOARDS	342.000 DAY	.		.	
0114	643.0900 TRAFFIC CONTROL SIGNS	5,900.000 DAY	.		.	
0116	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I	3.000 EACH	.		.	
0118	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE	1,470.000 SF	.		.	
0120	643.2000 TRAFFIC CONTROL DETOUR (PROJECT) 01. 1206-04-61	1.000 EACH	.		.	
0122	643.3000 TRAFFIC CONTROL DETOUR SIGNS	13,530.000 DAY	.		.	
0124	646.0106 PAVEMENT MARKING EPOXY 4-INCH	30,280.000 LF	.		.	
0126	646.0126 PAVEMENT MARKING EPOXY 8-INCH	500.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20130212008PROJECT(S):
1206-04-61FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0128	646.0600 REMOVING PAVEMENT MARKINGS	10,600.000 LF	.		.	
0130	646.0790.S REMOVING RAISED PAVEMENT MARKERS	104.000 EACH	.		.	
0132	647.0156 PAVEMENT MARKING ARROWS EPOXY TYPE 1	2.000 EACH	.		.	
0134	647.0166 PAVEMENT MARKING ARROWS EPOXY TYPE 2	1.000 EACH	.		.	
0136	647.0176 PAVEMENT MARKING ARROWS EPOXY TYPE 3	2.000 EACH	.		.	
0138	647.0356 PAVEMENT MARKING WORDS EPOXY	1.000 EACH	.		.	
0140	647.0955 REMOVING PAVEMENT MARKINGS ARROWS	4.000 EACH	.		.	
0142	647.0965 REMOVING PAVEMENT MARKINGS WORDS	1.000 EACH	.		.	
0144	649.0200 TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH	21,500.000 LF	.		.	
0146	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	84,045.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0148	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH	240.000 LF	.		.	
0150	649.1800 TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE	6.000 EACH	.		.	
0152	649.2000 TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE	3.000 EACH	.		.	
0154	649.2100 TEMPORARY RAISED PAVEMENT MARKERS	180.000 EACH	.		.	
0156	650.4000 CONSTRUCTION STAKING STORM SEWER	2.000 EACH	.		.	
0158	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT	5,170.000 LF	.		.	
0160	650.7500 CONSTRUCTION STAKING CONCRETE BARRIER	1,266.000 LF	.		.	
0162	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 1206-04-61	LUMP	LUMP		.	
0164	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG	6,840.000 LF	.		.	
0166	690.0150 SAWING ASPHALT	160.000 LF	.		.	
0168	715.0415 INCENTIVE STRENGTH CONCRETE PAVEMENT	4,350.000 DOL	1.00000		4350.00	

SCHEDULE OF ITEMS

CONTRACT:
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N/A

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0170	SPV.0045 SPECIAL 01. PORTABLE CHANGEABLE MESSAGE SIGN SPECIAL	2,570.000 DAY	.		.	
0172	SPV.0045 SPECIAL 02. INCENTIVE FOR COMPLETION	15.000 DAY	.		.	
0174	SPV.0045 SPECIAL 03. DISINCENTIVE FOR COMPLETION	0.010 DAY	.		.	
0176	SPV.0045 SPECIAL 04. SAFETY VEHICLE	130.000 DAY	.		.	
0178	SPV.0060 SPECIAL 01. TEMPORARY CONCRETE BARRIER GATE	1.000 EACH	.		.	
0180	SPV.0060 SPECIAL 02. REMOVE LUMINAIRE	38.000 EACH	.		.	
0182	SPV.0060 SPECIAL 03. INSTALL LED LUMINAIRE	38.000 EACH	.		.	
0184	SPV.0060 SPECIAL 04. SALVAGE AND REINSTALL SIGN	13.000 EACH	.		.	
0186	SPV.0060 SPECIAL 05. ASPHALT SURFACE PATCHING MOBILIZATION	5.000 EACH	.		.	
0188	SPV.0060 SPECIAL 06. STREET SWEEPING	1.000 EACH	.		.	
0190	SPV.0060 SPECIAL 07. TEMPORARY THRIE BEAM CONNECTION	42.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20130212008PROJECT(S):
1206-04-61FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0192	SPV.0060 SPECIAL 08. CONCRETE BARRIER TEMPORARY EMERGENCY REPAIR MOBILIZATION	1.000 EACH	.		.	
0194	SPV.0060 SPECIAL 09. TEMPORARY THRIE BEAM CONNECTION AT LIGHT BASE	4.000 EACH	.		.	
0196	SPV.0090 SPECIAL 01. PROTECTIVE SCREEN FURNISHED	5,840.000 LF	.		.	
0198	SPV.0090 SPECIAL 02. PROTECTIVE SCREEN INSTALLED	11,540.000 LF	.		.	
0200	SPV.0090 SPECIAL 03. REMOVING PAVEMENT MARKINGS WATER BLASTING	45,600.000 LF	.		.	
0202	SPV.0090 SPECIAL 04. SAWING CONCRETE RELIEF JOINT	145.000 LF	.		.	
0204	SPV.0090 SPECIAL 05. CONCRETE MEDIAN BARRIER DOUBLE FACED 32-INCH SPECIAL	1,250.000 LF	.		.	
0206	SPV.0105 SPECIAL 01. CONCRETE BARRIER TEMPORARY PRECAST EMERGENCY REPAIR STANDBY TIME	LUMP	LUMP		.	
0208	SPV.0105 SPECIAL 02. TEMPORARY OVERHEAD SIGN SUPPORT	LUMP	LUMP		.	
0210	SPV.0105 SPECIAL 03. MAINTAIN LIGHTING SYSTEM	LUMP	LUMP		.	
	SECTION 0001 TOTAL				.	
	ITEMS TOTAL				.	

COST PLUS TIME SITES

ROAD USER
COST PER DAYNUMBER OF
DAYS BID

00 CALENDAR DAY CONTRACT

\$25000

	TOTAL BID		.

PLEASE ATTACH SCHEDULE OF ITEMS HERE