HIGHWAY WORK PROPOSAL

Proposal Number:

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

STATE PROJECT ID FEDERAL PROJECT ID **PROJECT DESCRIPTION** COUNTY **HIGHWAY** New Auburn - Spooner **USH 53** Barron 1197-18-75 26th Avenue - CTH A Washburn (South Bound) 1197-18-76 New Auburn - Spooner **USH 53** Barron 26th Avenue - CTH A Washburn (North Bound)

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

Proposal Guaranty Required, \$ 100,000.00	Attach Proposal Guaranty on back of this PAGE.
Payable to: Wisconsin Department of Transportation	
Bid Submittal Due	Firm Name, Address, City, State, Zip Code
Date: February 10, 2015 Time (Local Time): 9:00 AM	SAMPLE
Contract Completion Time	NOT FOR BIDDING PURPOSES
September 18, 2015	NOT FOR DIDDING FOR OOLO
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)	(Bidder Signature)	
(Print or Type Name, Notary Public, State Wisconsin)	(Print or Type Bidder Name)	
(Date Commission Expires) Notary Seal	(Bidder Title)	

For Department Use Only

For Department Ose Only		
Type of Work		
Concrete pavement repair, cleaning joints, HMA pavement, asphalti	c surface, beam guard, pavement marking, and permanent signing.	
Notice of Award Dated	Date Guaranty Returned	

PLEASE ATTACH PROPOSAL GUARANTY HERE

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

Effective with August 2007 Letting

BID PREPARATION

Preparing the Proposal Schedule of Items

A General

- 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

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

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

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

- 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 Corpora	te Seal)		
(Signature and Title)			
(Company Name)	_		
(Signature and Title)			
(Company Name)			
(Signature and Title)		(Name of Surety) (Affix Seal)	
(Company Name)		(Signature of Attorney-in-Fact)	
(Signature and Title)			
NOTARY FO	R PRINCIPAL	NOTARY FO	R SURETY
(Date)		(Date)	
State of Wisconsin)	State of Wisconsin)
) ss. _ County)) ss. County)
On the above date, this instrument vnamed person(s).	vas acknowledged before me by the	On the above date, this instrument w named person(s).	as acknowledged before me by the
(Signature, Notary Pub	lic, State of Wisconsin)	(Signature, Notary Publi	c, State of Wisconsin)
(Print or Type Name, Notary	Public, State of Wisconsin)	(Print or Type Name, Notary	Public, State of Wisconsin)
(Date Commi	ssion Expires)	(Date Commiss	sion Expires)

Notary Seal 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

(Date)

Time Period Valid (From/To)
Name of Surety	
Name of Contracto	r
Certificate Holder	Wisconsin Department of Transportation
	y that an annual bid bond issued by the above-named Surety is currently on file with the partment of Transportation.
	is issued as a matter of information and conveys no rights upon the certificate holder mend, 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)

March 2010

LIST OF SUBCONTRACTORS

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

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

Name of Subcontractor	Class of Work	Estimated Value
-		

DECEMBER 2000

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

Instructions for Certification

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

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

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

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

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

Special Provisions

Table of Contents

Article	Description 1	Page #
1.	General	2
2.	Scope of Work.	2
3.	Prosecution and Progress.	2
4.	Traffic.	
5.	Holiday Work Restrictions.	5
6.	Utilities	5
7.	Other Contracts.	7
8.	Railroad Insurance and Coordination.	7
9.	Environmental Protection, Endangered Resources Avoidance.	8
10.	Environmental Protection, Removal of Crack Filling Materials.	9
11.	Archaeological Site Avoidance	9
12.	Public Convenience and Safety.	9
13.	QMP Base Aggregate.	10
14.	Concrete Pavement Partial Depth Repair Joint Repair, Item 416.0750.S; Crack	
	Repair, Item 416.0752.S.	18
15.	QMP Ride; Incentive IRI Ride, Item 440.4410.S.	24
16.	QMP HMA Pavement Nuclear Density.	32
17.	Salvaged Rail.	39
18.	Removing Signs Type II.	39
19.	Pavement Marking Grooved Wet Reflective Tape 4-Inch, Item 646.0881.S; 8-Inch, Item 646.0883.S.	40
20.	Portable Changeable Message Sign (PCMS) Cellular Communications, Item	
	SPV.0045.01.	42
21.	Material Transfer Vehicle, Project 1197-18-75, Item SPV.0105.01; Project 1197-	
	18-76, Item SPV.0105.03	43
22.	Preparation of Foundation for Asphaltic Paving Special, Project 1197-18-75, Item SPV.0105.02; Project 1197-18-76, Item SPV.0105.04.	44
23.	Reheating HMA Pavement Longitudinal Joints Special, Item SPV.0170.01	
24.	Concrete Pavement Repair Non Doweled Special, Item SPV.0180.01; Concrete	
	Pavement Replacement Non Doweled Special, Item SPV.0180.02.	46
25.	Concrete Pavement Centerline Joint Repair, Item SPV.0180.03	
26.	Asphaltic Surface Special, Item SPV.0195.01	

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 1197-18-75, New Auburn – Spooner, 26th Avenue to CTH A (South Bound), Project 1197-18-76, New Auburn – Spooner, 26th Avenue to CTH A (North Bound), Barron and Washburn Counties, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2015 Edition, as published by the department, and these special provisions.

If all or a portion of the plans and special provisions are developed in the SI metric system and the schedule of prices is developed in the US standard measure system, the department will pay for the work as bid in the US standard system. 100-005 (20140630)

2. Scope of Work.

The work under this contract shall consist of concrete pavement repair, cleaning joints HMA pavement, asphaltic surface, beam guard, pavement marking, permanent signing and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract, and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract. 104-005 (20090901)

3. Prosecution and Progress.

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

Provide the start date to the engineer in writing within a month after executing the contract but at least 14 calendar days before the preconstruction conference. Upon approval, the engineer will issue the notice to proceed within ten calendar days before the approved start date.

To revise the start date, submit a written request to the engineer at least two weeks before the intended start date. The engineer will approve or deny that request based on the conditions cited in the request and its effect on the department's scheduled resources.

4. Traffic.

USH 53, STH 70 and USH 63 will remain open to traffic at all times during construction. The project will be constructed under traffic.

Stage 1

USH 53 Northbound (northbound) and USH 53 Southbound (southbound) are open to traffic. Shift traffic to the outside lanes of USH 53. The inside (median) lanes are closed to traffic utilizing single lane closures, and are repaired and resurfaced. Shift the traffic drums back across the centerline when not needed for the paving or repairing operations.

Stage 2

Shift traffic to the inside (median) lanes of USH 53. The outside lanes are closed to traffic utilizing single lane closures, and are repaired and resurfaced. Shift the traffic drums back across the centerline when not needed for the paving or repairing operations.

Both Project 1197-18-75 and Project 1197-18-76 can be constructed simultaneously.

One lane in each direction on USH 53 may be closed for construction for up to 4 miles at one time. Two closures in the same direction may take place simultaneously with a 4 mile separation between the two closures.

STH 70 Interchange and USH 63 Interchange

All ramps and loops at the STH 70 and USH 63 Interchanges will be staged and kept open to traffic at all times. Coordinate the ramp resurfacing with the mainline USH 53 work to eliminate any uneven surface joints prior to opening travel lanes.

Utilize flagging operations to maintain traffic on the STH 70 and USH 63 ramps and loops at all times during this contract. Where the width of roadway is insufficient for passage of traffic adjacent to construction equipment, traffic in one direction may be stopped for a maximum of 15 minutes at any one time during critical operations as required. Provide passage of all traffic that has been stopped during one closure prior to beginning any subsequent closure.

Construction activities on STH 70 and USH 63 shall only occur between Monday at 10:00 AM and the following Thursday at 4:00 PM. No weekend work is allowed.

Outside Shoulder Closures

The contractor will be allowed to perform work on items that are located beyond the outside driving lane shoulder utilizing a shoulder closure with approval of the engineer. The existing roadway will be kept open to two lanes of traffic in each direction.

The regulatory speed limit of USH 53 within the project limits will be reduced to 55 miles per hour. Signs are included in the contract for the speed limit reduction.

Provide the engineer with a schedule of lane closures. In addition, provide the following minimum advance notification to the engineer for incorporation into the Wisconsin Lane Closure System:

Lane Closures 3 Business Days Local Street openings/closings 7 Calendar Days Ramp closures and detours are not desirable or anticipated. If ramp closures and detours become necessary then the contractor shall provide a 14 calendar day notice.

Notify the engineer if there are any changes in the schedule, early completions, or cancellations of scheduled work. All lane and shoulder closures and durations are subject to the approval of the engineer based on operational needs and safety.

Contact the State Patrol two weeks prior to the first lane closure. Portable changeable message signs provided under this contract will be used for incident management and are to be operated by the Wisconsin State Highway Patrol. Place the required portable changeable message signs at both ends of the project on USH 53 at least one week prior to construction

Conduct operations in a manner that will cause the least interference to traffic movements on USH 53, STH 70, USH 63 and all interchanges and crossroads within the project limits.

The traffic control contractor must review the project once every day as per standard spec 643.3.1 (6).

Provide the engineer with a hauling plan prior to the preconstruction conference. Include the proposed locations of points of entry and traffic control to be used. Obtain approval from the engineer for all arrangements for handling traffic during construction operations.

Flagging operations will not be permitted on USH 53 except on the ramps and loops of STH 70 and USH 63.

Do not use maintenance crossings connecting northbound and southbound roadways of USH 53 during construction operations unless the median lanes are closed to traffic.

Equip all construction vehicles and equipment entering or leaving live traffic lanes with a hazard identification beam (flashing yellow signal). The beam shall be activated when merging into or exiting a live traffic lane.

Have available at all times experienced personnel to promptly install, remove and reinstall the required traffic control devices to route traffic in order to perform the necessary construction operations.

Provide the engineer with a list for 24-hour contacts. The engineer will be responsible for distributing the contact list.

Do not disturb, remove or obliterate any traffic control signs, advisory signs, shoulder delineators or beam guard in place without the approval of the engineer. Replace or repair all damage done to the above, caused by construction operations, at contractor expense.

5. Holiday Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying USH 53, STH 70 and USH 63 traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday periods:

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

107-005 (20050502)

6. Utilities.

This contract comes under the provision of Administrative Rule Trans 220. 107-065 (20080501)

Barron Electric Cooperative

Barron Electric Cooperative has overhead electric distribution facilities with multiple crossings of USH 53 at the following locations:

Overhead lines cross at approximately Stations 251+75, 292+00, 311+50, 476+75, 693+25, 720+50, 1163+25, and 1259+25.

Underground lines cross at approximately Station 693+40, 1000+75, and 1078+00.

No conflicts are anticipated with these facilities.

CCI Systems

CCI Systems has fiber optic facilities that run along the west side of USH 53 for the length of the project. The fiber optic line crosses under USH 63 at approximately Station 2009+68 "AA". Conflict may occur during the installation of the guardrail.

Coordinate with the CCI Systems two weeks before construction begins, and two weeks before work begins near the line to coordinate the guardrail post placements.

CenturyLink

CenturyLink has underground fiber optic facilities that run along and cross USH 53 at the following locations:

Lines run along and crosses USH 53 at various locations between approximately Station 433+50 and Station 797+55.

A line crosses at approximately Station 912+50 and runs along the right side to Station 951+25

A line runs along the left side from approximately Station 1003+65 to Station 1015+00 and crosses at Station 1015+00.

Lines cross at approximately Station 1083+00, 1176+00, and at approximately 1270+80.

Lines run along the left and right side from approximately Station 1258+00 to Station 1270+80.

No conflicts are anticipated with these facilities.

Charter Communications

Charter Communications has facilities that cross USH 53 between 30th Avenue and CTH H at the following locations:

An underground fiber optic line crosses at approximately Station 476+00 and at Station 1175+50.

An underground fiber optic and coaxial line cross at approximately Station 1271+00.

No conflicts are anticipated with these facilities.

Dairyland Power Cooperative

Dairyland Power Cooperative has a transmission line that crosses USH 53 at approximately Station 1019+00.

No conflicts are anticipated with this line.

WE Energies

WE Energies has a natural gas line that crosses USH 53 south of the STH 70 overpass at approximately Station 1174+25.

No conflicts are anticipated with this line.

WisDOT RWIS

WisDOT RWIS has a sensor in USH 53 southbound and two sensors in USH 53 northbound north of 30th Avenue at approximately Station 477+25; along with a pull box, tower, and communication line connecting them. The three RWIS sensors and one sub probe may need to be replaced following the completion of the concrete repair if the work impacts them by the RWIS contractor (Vaisala, Inc.) under an existing contract. Coordination may be required between the contractor and Vaisala, Inc. Upon award, contractor must notify Michael Adams (WisDOT RWIS Program) at (608) 266-5004.

Xcel Energy

Xcel Energy has overhead electric distribution lines with multiple crossings of USH 53 at the following locations:

A line crosses at approximately Station 365+25; no work is planned at this location.

Lines cross at approximately Station 747+00, 754+50, 799+00, 911+25, 931+50, and 951+50.

No conflicts are anticipated with these facilities.

Railroad Fiber Optic Lines

Wisconsin Great Northern Fiber Optic Lines

Call "Diggers Hotline" and additionally contact Greg Vreeland at (715) 365-3200 five working days before any work is performed. The railroad will determine if fiber optic or other type of cable is buried in the general work location. If present, contact the owner of the fiber optic or cable line to determine its exact location.

7. Other Contracts.

The department plans to contract for additional work adjacent to this project on USH 63.

Projects 1560-31-71/1550-04-60 and 1550-21-71 will detour traffic onto USH 53 between Rice Lake and Spooner.

The detours are tentatively set to be limited to the time period between June 8 and June 25, 2015. The detour route will be STH 48 from Cumberland to Rice Lake and USH 53 from Rice Lake to Spooner.

Coordinate work zone access, hauling and delivery of materials, traffic control, and all other operations with the contractor for these other construction projects.

8. Railroad Insurance and Coordination.

A Description

Comply with standard spec 107.17 for all work affecting Wisconsin Great Northern Railroad property and any existing tracks.

A.1 Railroad Insurance Requirements

In addition to standard spec 107.26, provide railroad protective liability insurance coverage as specified in standard spec 107.17.3. Insurance is filed in the name of Wisconsin Great Northern Railroad.

Notify evidence of the required coverage, and duration to Greg Vreeland, General Manager, Wisconsin Great Northern Railroad, P.O. Box 46, Spooner, WI 54801, telephone (715) 635-3200, FAX (715) 635-3202, email greg@spoonertrainride.com. Include the following information on the insurance document:

Projects 1197-18-75 and 1197-18-76 Route Name USH 53, Washburn County Crossing ID 187 188X Railroad Subdivision Spooner Railroad Milepost 79.2

A.2 Work by Railroad

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

A.3 Names and addresses of Railroad Representatives for Consultation and Coordination

Contact Greg Vreeland, General Manager, Wisconsin Great Northern Railroad, P.O. Box 46, Spooner, WI 54801, TELEPHONE (715) 635-3200, FAX (715) 635-3202, email greg@spoonertrainride.com.

Amend standard spec 108.4 to include the railroad in the distribution of the initial bar chart, and monthly schedule updates. The bar chart shall specifically show work involving coordination with the railroad.

A.4 Temporary Grade Crossing

If a temporary grade crossing is desired, submit a written request to the railroad representative named in A.3 several weeks prior to the time needed. Approval is subject to the discretion of the railroad. The department has made no arrangements for a temporary grade crossing.

A.5 Train Operation

Approximately eight passenger trains operate daily through the construction site. Passenger trains operate at up to 15 mph. In addition there may be unscheduled train operations, to get the latest information please contact Greg Vreeland at (715) 635-3200.

9. Environmental Protection, Endangered Resources Avoidance.

An active bald eagle nest is located adjacent to the northbound lanes just south of the CTH B / USH 53 intersection in Washburn County. Ensure that area within 700 feet of the Bald Eagle nest not be used for borrow or waste disposal, and the site area not be used for the staging of personnel, equipment and/or supplies.

An active osprey nest is located just north of the Pierce Road / USH 53 intersection along the southbound lanes. Minimize the time working in this area as much as possible. Ensure that area within 400 feet of the Osprey nest not be used for borrow or waste disposal, and the site area not be used for the staging of personnel, equipment and/or supplies.

If any new nests are discovered closer to the work zone once construction has begun, contact Margaret Rheude at:

US Fish and Wildlife Service Twin Cities Field Office 4101 American Blvd E Bloomington MN 55425 (612) 725-3548 Ext. 2202 margaret rheude@fws.gov

10. Environmental Protection, Removal of Crack Filling Materials.

Debris that is removed from the cracks in the existing pavement is expected to be of base aggregate size or smaller. Place this material on the shoulder of the road and incorporate into the shoulder base aggregate. In the event that there is debris of larger size, remove and deposit at a pre-approved location. Existing sealant in the cracks is expected to largely remain in place and is to be covered and incorporated into the existing crack. In the event that sealant comes free of the existing crack, pick up and deposit at a pre-approved location. Ensure that the debris/aggregate does not encroach into vegetated, wetland, or open water areas during its removal or placement.

11. Archaeological Site Avoidance.

Ensure that the archaeological site 47WB61 (Mitchell) not be used for borrow or waste disposal, and the site area not currently capped by asphalt/concrete not be used for the staging of personnel, equipment and/or supplies.

Ensure that the archaeological site 47WB147 (Sugar Camp) not be used for borrow or waste disposal, and the site area not currently capped by asphalt/concrete not be used for the staging of personnel, equipment and/or supplies.

12. Public Convenience and Safety.

Revise standard spec 107.8(6) as follows:

Check for and comply with local ordinances governing the hours of operation of construction equipment. Do not operate motorized construction equipment from 8:00 PM until the following 6:00 AM, unless prior written approval is obtained from the engineer. 107-001 (20060512)

13. 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
\leq 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
	production, load-out, or placement at the contractor's option ^[1]
$>$ 6000 tons and \leq 9000 tons	Three placement tests ^{[2][3]}

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

B Materials

B.1 Quality Control Plan

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

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

B.2 Personnel

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

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

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 7	Γ27
Material finer than the No. 200 sieve.	AASHTO	Γ11

- (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

- 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)

14. Concrete Pavement Partial Depth Repair Joint Repair, Item 416.0750.S; Crack Repair, Item 416.0752.S.

A Description

This special provision describes removal of deteriorated concrete, furnishing, placing and curing concrete to the original slope and grade, and reestablishing cracks or joints at areas shown on the plans and as directed by the engineer, all according to the requirements of the plans, the standard specifications, and as hereinafter provided.

The item Concrete Pavement Partial Depth Repair Joint Repair consists of removing deteriorated concrete at the areas designated in the plans, furnishing, placing, and curing concrete to the original slope and grade, and reestablishing joints.

The item Concrete Pavement Partial Depth Repair Crack Repair consists of removing deteriorated concrete at the areas designated in the plans, furnishing, placing, and curing concrete to the original slope and grade, and reestablishing cracks.

A.1 General

In advance of the beginning of the rehabilitation operation, establish traffic control for rehabilitation surveys and marking of locations.

Any removal and replacement of existing asphaltic concrete pavement in conjunction with the concrete pavement operations shall be incidental work for which no direct payment will be made unless otherwise shown in the plan.

Perform the removal operation in a manner that precludes damage to the remaining pavement. Any damage to the in-place concrete pavement by the contractor's operations, shall be repaired prior to acceptance as directed by the engineer and at no expense to the department.

Milling is generally completed with one pass of the milling machine. The nominal width of Joint Repair or Crack Repair shall not exceed 12 inches (305) mm). Any repair area required, beyond the nominal 12-inch (305 mm) width will be paid for as Surface Repair. The length of Full Depth Adjustment, along the transverse joint, from the nearest longitudinal joint, shall not be greater than 18 inches (458 mm).

If during removal operations it is determined that a full-lane width, full-depth repair its required, the contractor will receive partial payment for a measured quantity of the

intended repair item, and the work shall be completed under the item of Concrete Pavement Repair, Item 416.0710. If after milling a transverse joint deteriorated concrete exists greater than 4 inches wide and 6 feet in length, the joint shall be converted to a full-depth Concrete Pavement Repair.

Do not place repair concrete when the ambient air temperature is below 50° F (10° C), except as permitted by the engineer. When the ambient air temperature is below 50° F (10° C) the engineer may require covering during the initial curing period.

Partial depth repair areas should be inspected for possible debonding, by chain dragging or other suitable procedure, before opening to public traffic. Debonded repairs must be removed and replaced.

Opening of pavement repairs to traffic will be controlled by cylinder tests, as set forth in standard spec 415.3.17.

Replace any area of the asphaltic shoulder damaged during the pavement removal operations under this item with a commercially produced asphaltic patching material to the elevation of the adjacent shoulder.

At no expense to the department, remove and replace any areas of failure that appear within one month of the original repair, or any subsequent repair, including traffic control. Failures include but may not be limited to loss of bonding to the in-place concrete, spalling, or crack apparent in the repair other than the desired crack in the newly constructed joint or reestablished crack.

A.2 Equipment

Use only concrete milling machines that are equipped with a device for stopping at preset depths to prevent damage to dowel bars. Additionally, shroud the equipment to prevent discharge of any loosened material into adjacent work areas or live traffic lanes.

Use air chippers or breakers for chipping the old concrete surface that have a total weight not exceeding 30 lb. (13.6 kg) and are equipped with flat, chisel-type points that have cutting edges not less than .75 inch (19 mm) or greater than 3 inches (76.2 mm) wide.

Use concrete mixing equipment that provides material of uniform consistency. Do not prepare site-mixed concrete more than ½ hour prior to placement. Do not prepare ready-mixed concrete more than 1 hour prior to placement.

Use mechanical vibrators that are capable of operating at frequencies sufficient to achieve thorough and uniform consolidation, but not less than 7000 impulses per minute. Have available at least one spare vibrator, in working order and of sufficient frequency, on the work site before concrete placement is started.

B Materials

All materials used in the work shall conform to the requirements specified for the class of material named.

B.1 Concrete

The replacement concrete shall comply with the standard specifications except as modified below. It shall be furnished, placed, and cured according to the provisions in the plans, specifications, and contract.

Use the following proportions for 1 cubic yard (cubic meter) of concrete:

850 lb. (505 kg) Portland Concrete (Type 1 or Type III)

1338 lb. (794 kg) Fine Aggregate (Per standard specifications except max'm

P200=2.5%)

1338 lb. (794 kg) Coarse Aggregate (See table below for gradation)

^{*} These quantities assume a specific gravity of 2.65.

Coarse	Aggregate Gr	adation
Sieve	% Passing	
3/8	(9.5 mm)	100
#4	(4.75 mm)	55-95
#50	$(300 \mu m)$	0-5
#200	$(75 \mu m)$	0-1.0

Maximum slump shall be 1 inch (25 mm).

Air Content shall be $6\% \pm 1.5\%$

ASTM C494 Type A admixture shall be used, unless Type E is used.

ASTM C494 Type E admixture may be used, according to the manufacturer's recommendations, to achieve the required opening strength in the desired time period. Dosage will vary with ambient temperature and desired opening time.

The use of more than 50% of the maximum manufacturer's recommended dosage of Type E admixture will require the concrete to be sprayed with curing compound and covered with wet burlene.

B.2 Compression Relief Material

Provide compression relief material that is made of a rigid, compressible, non-absorbent material.

B.3 Bonding Agent

Use bonding grout that consists of equal portions of Portland cement and sand, mixed with sufficient water to form a slurry having the consistency of thick cream.

B.4 Concrete Curing Agent

Provide a concrete curing agent that is a resin of 100 percent poly-alpha-methylstyrene type curing compound meeting ASTM C309, Type 2, Class B specifications and conforming to all requirements according to the following table:

Properties	Minimum	Maximum
Total Solids, % by weight of compound	42	
Reflectance in 72 hours (ASTM E1347	65	
Loss of Water, kg/m2 in 24 hours (ASTM C156)		0.15
Loss of water, kg/m2 in 72 hours (ASTM C156)		0.40
Settling Test, ml/100 ml in 72 hours 1		2
V.O.C. Content, g/L		350
Infrared Spectrum, Vehicle2	100% alpha-1	methylstyrene

Test Method on file at the department's Materials Testing Lab.

Shelf life of the product shall be six months from date of manufacture. The product may be re-tested by the department's Materials Testing Lab and re-approved, if the physical and chemical properties have not changed, for an additional six months. However, the maximum shelf life shall not exceed one year from manufacture date.

C Construction

Remove the concrete by milling to the depths and dimensions as shown on the plan or as determined by the engineer, or both.

Milling may be accomplished either longitudinally or transversely to the joint, crack, or edge. The removal process must not damage dowel bars. In the event a dowel bar exhibits excessive corrosion, cut, or burn-off the bar.

The removal of the concrete surface in the designated repair areas shall have a minimum depth of 2 inches (50.8 mm) with all deteriorated concrete removed to a maximum depth of one-half the pavement thickness, or the top of the dowel bars. Using air chippers, remove all cracked or deteriorated concrete exposed after milling to sound concrete. Chipping at the milled surface of the crack or joint shall be a minimum 2 inches wide and shall be at a 1:1 slope.

When dowel bars are present, take precaution not to disturb unsound concrete below the tops of the dowels. If some of this unsound material is accidentally blown out during the cleaning process, fill in the voids with clean, dry sand.

Use air chippers only for final preparation of the repair area.

Storage of the removed material on the roadway will only be permitted in conjunction with a continuous removal and pick-up operation. During non-working hours, clear the roadway of all materials and equipment.

The infrared scan for the dried vehicle from the curing compound shall match the infrared scan on file at the department's Materials Testing Lab.

The removed pavement shall become the property of the contractor and disposed of according to standard spec 204.3.1.3.

Install pavement ties according to standard spec 416.3.6.

Sandblast all exposed surfaces within 24 hours prior to concrete placement. If it rains prior to concrete placement, sandblast the repair areas again. Additionally, clean the repair areas of loose material by air blasting before applying the bonding grout.

Coat exposed surfaces of dowel bars to prevent bonding between the bar and the repair concrete. Take precaution to prevent contamination of existing concrete in the repair area.

Place compression relief material to maintain the continuity of the existing crack or to reestablish the joint in a full-depth adjustment. Install compression relief material such that it remains in position and is tight to all edges during placement of the repair concrete. During concrete placement and vibrating, keep the compression relief material in contact with the bottom of the repair area. To ensure that cracks are reestablished in their original locations, scribe their locations on the adjoining pavement outside the removal area, prior to removal operations.

Reestablish cracks and joints to a ¹/₄-inch width, or to the existing crack or joint width, whichever is greater.

Immediately prior to placing the concrete, coat the repair surface with bonding grout. The surface shall be completely dry for at least one-half hour before coating with bonding grout. If the surface isn't completely dry, dry the surface using heat to remove all moisture from the repair surface. Mix the grout by mechanical means and thoroughly brush it over the prepared concrete surface to ensure that all parts receive an even coating. No excess grout shall be permitted to collect in pockets. Place grout within 1½ hours of mixing. If the grout whitens, sandblast, and re-grout.

Vibrate concrete as necessary to uniformly and thoroughly consolidate the entire mass of fresh concrete without causing segregation of the aggregates or the formation of localized areas of grout.

Concrete repairs shall not protrude beyond the original cross-section of the pavement by more than 3/8 inch (9.5 mm). The edges shall be formed or sawn full-depth.

Strike-off the surface of the repaired area flush with the adjacent concrete and finish the surface to a uniform texture, true to grade and cross section and free from porous areas. As a final finishing operation, float the concrete toward the edges of the repair.

While the concrete is still plastic, the repair shall be tested for trueness with a straightedge.

Reestablish cracks using compression relief material to or beyond the surface of the repair. Initially reestablish joints in plastic concrete by using a jointing tool. Establish tooled joints to a minimum depth of 2 inches. Tooled edges shall be provided, adjacent to all compression relief material, in fresh concrete. Complete the removal of excess compression relief material above the pavement surface without damage to the repair area. The method of removal will be reviewed and approved by the engineer prior to any removal.

Surface texturing, if required by the engineer, shall consist of a broomed finish in the long dimension direction of the repair.

Apply curing compound to the fresh concrete as soon as possible. Apply the compound uniformly, at a minimum rate of one gallon per 100 square feet (0.41 L/m^2) .

Restore joints by sawing. Saw the joints in a single cut, to the width and depth shown on the plans, and according to standard spec 415.3.9.

Thoroughly clean the joint or crack after sawing to remove loose compressible material.

D Measurement

The department will measure Concrete Pavement Partial Depth Repair Joint Repair; Concrete Pavement Partial Depth Repair Crack Repair by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
416.0750.S	Concrete Pavement Partial Depth Repair Joint Repair	LF
416.0752.S	Concrete Pavement Partial Depth Repair Crack Repair	LF

Payment for Concrete Pavement Partial Depth Repair Joint Repair and Concrete Pavement Partial Depth Repair Crack Repair is full compensation for removing the concrete; disposing of materials; furnishing and placing sand where required; furnishing and placing compression relief material where required; furnishing and placing preformed joint filler where required; placement and curing of the concrete; and for reestablishing cracks or joints.

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

A Description

- (1) This special provision describes profiling pavements with a non-contact profiler, locating areas of localized roughness, and determining the International Roughness Index (IRI) for each wheel path segment.
- Profile the final riding surface of all mainline pavements. Include auxiliary lanes in Category I and II segments; crossroads with county, state or U.S. highway designations greater than 1500 feet in continuous length; bridges, bridge approaches; and railroad crossings. Exclude roundabouts and pavements within 150 feet of the points of curvature of roundabout intersections.
- (3) The engineer may direct straightedging under standard spec 415.3.10 for pavement excluded from localized roughness under C.5.2 (1); for bridges; and for roundabouts and pavements within 150 feet of the points of curvature of roundabout intersections. Other surfaces being tested under this provision are exempt from straightedging requirements.

B (Vacant)

C Construction

C.1 Quality Control Plan

- Submit a written quality control plan to the engineer at or before the pre-pave meeting. Ensure that the plan provides the following elements:
 - 1. An organizational chart with names, telephone numbers, current certifications and/or titles, and roles and responsibilities of all quality control personnel.
 - 2. The process by which quality control information and corrective action efforts will be disseminated to the appropriate persons. Include a list of recipients, the communication means that will be used, and action time frames.
 - 3. The methods and timing used for monitoring and/or testing ride quality throughout the paving process. Also indicate the approximate timing of acceptance testing in relation to the paving operations.
 - 4. The segment locations of each profile run used for acceptance testing.
 - 5. Traffic Control Plan

C.2 Personnel

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

C.3 Equipment

(1) Furnish a profile-measuring device capable of measuring IRI from the list of department-approved devices published on the department's web site:

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

- (2) Unless the engineer and contractor mutually agree otherwise, arrange to have a calibrated profiler available when paving the final riding surface.
- (3) Perform daily calibration verification of the profiler using test methods according to the manufacturer's recommendations. Notify the engineer before performing the calibration verification. If the engineer requests, arrange to have the engineer observe the calibration verification and operation. Maintain records of the calibration verification activities, and provide the records to the engineer upon request.

C.4 Testing

C.4.1 Run and Reduction Parameters

(1) Enter the equipment-specific department-approved filter settings and parameters given in the approved profilers list on the department's QMP ride web site.

http://roadwaystandards.dot.wi.gov/standards/gmp/profilers.pdf

C.4.2 Contractor Testing

- (1) Operate profilers within the manufacturer's recommended speed tolerances. Perform all profile runs in the direction of travel. Measure the longitudinal profile of each wheel track of each lane. The wheel tracks are 6.0 feet apart and centered in the traveled way of the lane.
- (2) Coordinate with the engineer to schedule profile runs for acceptance. The department may require testing to accommodate staged construction or if corrective action may be required.
- (3) Measure the profiles of each standard or partial segment. Define primary segments starting at a project terminus and running contiguously along the mainline to the other project terminus. Field-locate the beginning and ending points for each profile run. When applicable, align segment limits with the sublot limits used for testing under the QMP Concrete Pavement specification. Define segments one wheel path wide and distinguished by length as follows:
 - 1. Standard segments are 500 feet long.
 - 2. Partial segments are less than 500 feet long.

(4) Treat partial segments as independent segments.

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

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

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

C.4.3 Verification Testing

- (1) The department may conduct verification testing (QV) to validate the quality of the product. A HTCP certified profiler operator will perform the QV testing. The department will provide the contractor with a listing of the names and telephone numbers of all verification personnel for the project.
- The department will notify the contractor before testing so the contractor can observe the QV testing. Verification testing will be performed independent of the contractor's QC work using separate equipment from the contractor's QC tests. The department will provide test results to the contractor within 1 business day after the department completes the testing.
- (3) The engineer and contractor will jointly investigate any testing discrepancies. The investigation may include additional testing as well as review and observation of both the department's and contractor's testing procedures and equipment. Both parties will document all investigative work.

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

C.4.4 Documenting Profile Runs

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

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

The ProVAL software is available for download at:

http://www.roadprofile.com.

- (2) As part of the profiler software outputs and ProVAL reports, document the areas of localized roughness. Field-locate the areas of localized roughness prior to the engineer's assessment for corrective actions. Document the reasons for areas excluded and submit to the engineer.
- (3) Within 5 business days after completing profiling of the pavement covered under this special provision, unless the engineer and contractor mutually agree to a different timeline, submit the electronic ProVAL project file containing the .ppf files for each profiler acceptance run data and Ride Quality Module Reports, in .pdf format using the department's Materials Reporting System (MRS) software available on the department's web site:

http://www.atwoodsystems.com/mrs

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

C.5 Corrective Actions

C.5.1 General

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

C.5.2 Corrective Actions for Localized Roughness

- (1) Apply localized roughness requirements to all pavements, including HMA III, PCC III, HMA IV, and PCC IV; except localized roughness requirements will not be applied to pavements within 25 feet of the following surfaces if they are not constructed under this contract: bridges, bridge approaches, or railroad crossings. The department may direct the contractor to make corrections to the pavement within the 25-foot exclusionary zones.
- The engineer will review each individual wheel track for areas of localized roughness. The engineer will assess areas of localized roughness within 5 business days of receiving notification that the reports were uploaded. The engineer will analyze the report documenting areas that exceed an IRI of 200 in/mile and do one of the following for each location:
 - 1. Direct the contractor to correct the area to minimize the effect on the ride.
 - 2. Leave the area of localized roughness in place with no pay reduction.
 - 3. Except for HMA IV and PCC IV segments, assess a pay reduction as follows for each location in each wheel path:

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

- A maximum \$250 pay reduction may be assessed for locations of localized roughness that are less than or equal to 25 feet long. Locations longer than 25 feet may be assessed a maximum pay reduction of \$10 per foot.
- (3) The engineer will not direct corrective action or assess a pay reduction for an area of localized roughness without independent identification of that area as determined by physically riding the pavement. For corrections, use only techniques the engineer approves.
- (4) Re-profile corrected areas to verify that the IRI is less than 140 in/mile after correction. Submit a revised ProVAL ride quality module report to the reference documents section of the MRS for the corrected areas to validate the results.

C.5.3 Corrective Actions for Excessive IRI

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

HMA I: Correct to an IRI of 60 in/mile using whichever of the

following methods as approved by the engineer:

Mill and replace the full lane width of the riding surface

excluding the paved shoulder.

Continuous diamond grinding or fine-tooth milling the

full lane width, if required, of the riding surface including adjustment of the paved shoulders.

HMA II: Correct to an IRI of 85 in/mile using whichever of the

following methods as approved by the engineer:

Mill and replace the full lane width of the riding surface

excluding the paved shoulder.

Continuous diamond grinding or fine-tooth milling of the full lane width, if required, of the riding surface

including adjustment of the paved shoulders

PCC II: Correct to an IRI of 85 in/mile using whichever of the

following methods as approved by the engineer:

Continuous diamond grinding of the full lane width, if required, of the riding surface including adjustment of the paved shoulders. Conform to sections C.1 through C.4 of Concrete Pavement Continuous Diamond

Grinding Special provision contained elsewhere in the

contract

Remove and replace the full lane width of the riding

surface.

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

C.6 Dispute Resolution

- (1) The engineer and contractor should make every effort to avoid conflict. If a dispute between some aspect of the contractor's and the engineer's testing program does occur, seek a solution mutually agreeable to the project personnel. The department and contractor may review the data, examine data reduction and analysis methods, evaluate testing procedures, and perform additional testing.
- (2) If the project personnel cannot resolve a dispute and the dispute affects payment or could result in incorporating nonconforming pavement, the department will use third party testing to resolve the dispute. The department's Quality Assurance Unit, or a mutually agreed on independent testing company, will provide this testing. The engineer and contractor will abide by the results of the third party tests. The party in

error will pay service charges incurred for testing by an independent tester. The department may use third party tests to evaluate the quality of questionable pavement and determine the appropriate payment.

D Measurement

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

E Payment

E.1 Payment for Profiling

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

E.2 Pay Adjustment

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

ITEM NUMBER DESCRIPTION UNIT 440.4410.S Incentive IRI Ride DOL

- (2) Incentive payment is not limited, either up or down, to the amount the schedule of items shows.
- (3) The department will administer disincentives for ride under the Disincentive IRI Ride administrative item.
- (4) The department will not assess disincentive on HMA III or PCC III segments. Incentive pay for HMA III and PCC III segments will be according to the requirements for the category of the adjoining segments.
- (5) The department will adjust pay for each segment based on the initial IRI for that segment. If corrective action is required, the department will base disincentives on the IRI after correction for pavement meeting the following conditions:

All Pavement: The corrective work is performed in a contiguous, full

lane width section 500 feet long, or a length as agreed

with the engineer.

HMA Pavements: The corrective work is a mill and inlay or full depth

replacement and the inlay or replacement layer thickness

conforms to standard spec 460.3.2.

Concrete Pavements: The corrective work is a full depth replacement and

conforms to standard spec 415.

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

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

HMA II and PCC II		
Initial IRI Pay Adjustment ^{[1] [2]}		
(inches/mile)	(dollars per standard segment)	
< 50	250	
\geq 50 to < 55	$2750 - (50 \times IRI)$	
\geq 55 to < 85	0	
\geq 85 to < 100	(4250/3) - (50/3 x IRI)	
≥ 100	-250	

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

- The department will not assess a ride disincentive for HMA pavement placed in cold weather because of a department-caused delay as specified in standard spec 450.5(4) of the contract additional special provisions (ASP 6).
- ^[2] If the engineer directs placing concrete pavement for department convenience, the department will not adjust pay for ride on pavement the department orders the contractor to place when the air temperature falls below 35 F.
- (7) The department will prorate the pay adjustment for partial segments based on their length.

440-010 (20130615)

16. QMP HMA Pavement Nuclear Density.

A Description

Replace standard spec 460.3.3.2 (1) and standard spec 460.3.3.2 (4) with the following:

- (1) This special provision describes density testing of in-place HMA pavement with the use of nuclear density gauges. Conform to standard spec 460 as modified in this special provision.
- (2) Provide and maintain a quality control program defined as all activities and documentation of the following:
 - 1. Selection of test sites.
 - 2. Testing.
 - 3. Necessary adjustments in the process.
 - 4. Process control inspection.
- (3) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes required procedures. Obtain the CMM from the department's web site at:

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

(4) The department's Materials Reporting System (MRS) software allows contractors to submit data to the department electronically, estimate pay adjustments, and print selected reports. Qualified personnel may obtain MRS software from the department's web site at:

http://www.atwoodsystems.com/mrs

B Materials

B.1 Personnel

- (1) Perform HMA pavement density (QC, QV) testing using a HTCP certified nuclear technician I, or a nuclear assistant certified technician (ACT-NUC) working under a certified technician.
- (2) If an ACT is performing sampling or testing, 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.2 Testing

(1) Conform to ASTM D2950 and CMM 8.15 for density testing and gauge monitoring methods. Perform nuclear gauge measurements using gamma radiation in the backscatter position. Perform each test for 4 minutes of nuclear gauge count time.

B.3 Equipment

B.3.1 General

- (1) Furnish nuclear gauges from the department's approved product list at http://www.dot.wisconsin.gov/business/engrserv/approvedprod.htm.
- (2) Have the gauge calibrated by the manufacturer or an approved calibration service within 12 months of its use on the project. Retain a copy of the manufacturer's calibration certificate with the gauge.
- (3) Prior to each construction season, and following any calibration of the gauge, the contractor must perform calibration verification for each gauge using the reference blocks located in the department's central office materials laboratory. To obtain information or schedule a time to perform calibration verification, contact the department's Radiation Safety Officer at:

Materials Management Section 3502 Kinsman Blvd. Madison, Wisconsin 53704 Telephone: (608) 243-5998

B.3.2 Correlation of Nuclear Gauges

B.3.2.1 Correlation of QC and QV Nuclear Gauges

- (1) Select a representative section of the compacted pavement prior to or on the first day of paving for the correlation process. The section does not have to be the same mix design.
- (2) Correlate the 2 or more gauges used for density measurement (QC, QV). The QC and QV gauge operators will perform the correlation on 5 test sites jointly located. Record each density measurement of each test site for the QC, QV and back up gauges.
- (3) Calculate the average of the difference in density of the 5 test sites between the QC and QV gauges. Locate an additional 5 test sites if the average difference exceeds 1.0 lb/ft³. Measure and record the density on the 5 additional test sites for each gauge.
- (4) Calculate the average of the difference in density of the 10 test sites between the QC and QV gauges. Replace one or both gauges if the average difference of the 10 tests exceeds 1.0 lb/ft³ and repeat correlation process from B.3.2.1 (2).
- (5) Furnish one of the QC gauges passing the allowable correlation tolerances to perform density testing on the project.

B.3.2.2 Correlation Monitoring

(1) After performing the gauge correlation specified in B.3.2.1, establish a project reference site approved by the department. Clearly mark a flat surface of concrete or asphalt or other material that will not be disturbed during the duration of the project. Perform correlation monitoring of the QC, QV, and all back-up gauges at the project reference site.

- (2) Conduct an initial 10 density tests with each gauge on the project reference site and calculate the average value for each gauge to establish the gauge's reference value. Use the gauge's reference value as a control to monitor the calibration of the gauge for the duration of the project.
- (3) Check each gauge on the project reference site a minimum of one test per day if paving on the project. Calculate the difference between the gauge's daily test result and its reference value. Investigate if a daily test result is not within 1.5 lb/ft³ of its reference value. Conduct 5 additional tests at the reference site once the cause of deviation is corrected. Calculate and record the average of the 5 additional tests. Remove the gauge from the project if the 5-test average is not within 1.5 lb/ft³ of its reference value established in B.3.2.2(2).
- (4) Maintain the reference site test data for each gauge at an agreed location.

B.4 Quality Control Testing and Documentation

B.4.1 Lot and Sublot Requirements

B.4.1.1 Mainline Traffic Lanes, Shoulders, and Appurtenances

- (1) A lot consists of the tonnage placed each day for each layer and target density specified in standard spec 460.3.3.1. A lot may include partial sublots.
- (2) Divide the roadway into sublots. A sublot is 1500 lane feet for each layer and target density.
- (3) A sublot may include HMA placed on more than one day of paving. Test sublots at the pre-determined random locations regardless of when the HMA is placed. No additional testing is required for partial sublots at the beginning or end of a day's paving.
- (4) If a resulting partial quantity at the end of the project is less than 750 lane feet, include that partial quantity with the last full sublot of the lane. If a resulting partial quantity at the end of the project is 750 lane feet or more, create a separate sublot for that partial quantity.
- (5) Randomly select test locations for each sublot as specified in CMM 8.15 prior to paving and provide a copy to the engineer. Locate and mark QC density test sites when performing the tests. Perform density tests prior to opening the roadway to traffic.
- (6) Use Table 1 to determine the number of tests required at each station, depending on the width of the lane being tested. When more than one test is required at a station, offset the tests 10 feet longitudinally from one another to form a diagonal testing row across the lane

Lane Width	No. of Tests	Transverse Location
5 ft or less	1	Random
Greater than 5 ft to 9 ft	2	Random within 2 equal widths
Greater than 9 ft	3	Random within 3 equal widths
Table 1		

B.4.1.2 Side Roads, Crossovers, Turn Lanes, Ramps, and Roundabouts

- (1) A lot represents a combination of the total daily tonnage for each layer and target density.
- (2) Each side road, crossover, turn lane, ramp, and roundabout must contain at least one sublot for each layer.
- (3) If a side road, crossover, turn lane, or ramp is 1500 feet or longer, determine sublots and random test locations as specified in B.4.1.1.
- (4) If a side road, crossover, turn lane, or ramp is less than 1500 feet long, determine sublots using a maximum of 750 tons per sublot and perform the number of random tests as specified in Table 2.

Side Roads, Turn Lanes, Crossovers, Ramps,	Minimum Number
Roundabouts: Sublot/Layer tonnage	of Tests Required
25 to 100 tons	1
101 to 250 tons	3
251 to 500 tons	5
501 to 750 tons	7

Table 2

B.4.2 Pavement Density Determination

B.4.2.1 Mainline Traffic Lanes and Appurtenances

- (1) Calculate the average sublot densities using the individual test results in each sublot.
- (2) If all sublot averages are no more than one percent below the target density, calculate the daily lot density by averaging the results of each random QC test taken on that day's material.
- (3) If any sublot average is more than one percent below the target density, do not include the individual test results from that sublot when computing the lot average density and remove that sublot's tonnage from the daily quantity for incentive. The tonnage from any such sublot is subject to disincentive pay according to standard spec 460.5.2.2.

B.4.2.2 Mainline Shoulders

B.4.2.2.1 Width Greater Than 5 Feet

(1) Determine the pavement density as specified in B.4.2.1.

B.4.2.2.2 Width of 5 Feet or Less

- (1) If all sublot test results are no more than 3.0 percent below the minimum target density, calculate the daily lot density by averaging all individual test results for the day.
- (2) If a sublot test result is more than 3.0 percent below the target density, the engineer may require the unacceptable material to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine the limits of the unacceptable material according to B.4.3.

B.4.2.3 Side Roads, Crossovers, Turn Lanes, Ramps, and Roundabouts

(1) Determine the pavement density as specified in B.4.2.1.

B.4.2.4 Documentation

(1) Document QC density test data as specified in CMM 8.15. Provide the engineer with the data for each lot within 24 hours of completing the QC testing for the lot.

B.4.3 Corrective Action

- (1) Notify the engineer immediately when an individual test is more than 3.0 percent below the specified minimum in standard spec 460.3.3.1. Investigate and determine the cause of the unacceptable test result.
- The engineer may require unacceptable material specified in B.4.3(1) to be removed and replaced with acceptable material or allow the nonconforming material to remain in place with a 50 percent pay reduction. Determine limits of the unacceptable area by measuring density of the layer at 50-foot increments both ahead and behind the point of unacceptable density and at the same offset as the original test site. Continue testing at 50-foot increments until a point of acceptable density is found as specified in standard spec 460.5.2.2(1). Removal and replacement of material may be required if extended testing is in a previously accepted sublot. Testing in a previously accepted sublot will not be used to recalculate a new lot density.
- (3) Compute unacceptable pavement area using the product of the longitudinal limits of the unacceptable density and the full sublot width within the traffic lanes or shoulders.
- (4) Retesting and acceptance of replaced pavement will be according to standard spec 105.3.
- (5) Tests indicating density more than 3.0 percent below the specified minimum, and further tests taken to determine the limits of unacceptable area, are excluded from the computations of the sublot and lot densities.
- (6) If 2 consecutive sublot averages within the same paving pass and same target density are more than one percent below the specified target density, notify the engineer and take necessary corrective action. Document the locations of such sublots and the corrective action that was taken.

B.5 Department Testing

B.5.1 Verification Testing

- (1) The department will have a HTCP certified technician, or ACT working under a certified technician, perform verification testing. The department will test randomly at locations independent of the contractor's QC work. The department will perform verification testing at a minimum frequency of 10 percent of the sublots and a minimum of one sublot per mix design. The sublots selected will be within the active work zone. The contractor will supply the necessary traffic control for the department's testing activities.
- (2) The QV tester will test each selected sublot using the same testing requirements and frequencies as the QC tester.
- (3) If the verification sublot average is not more than one percent below the specified minimum target density, use the QC tests for acceptance.
- (4) If the verification sublot average is more than one percent below the specified target density, compare the QC and QV sublot averages. If the QV sublot average is within 1.0 lb/ft³ of the QC sublot average, use the QC tests for acceptance.
- (5) If the first QV/QC sublot average comparison shows a difference of more than 1.0 lb/ft³ each tester will perform an additional set of tests within that sublot. Combine the additional tests with the original set of tests to compute a new sublot average for each tester. If the new QV and QC sublot averages compare to within 1.0 lb/ft³, use the original QC tests for acceptance.
- (6) If the QV and QC sublot averages differ by more than 1.0 lb/ft³ after a second set of tests, resolve the difference with dispute resolution specified in B.6. The engineer will notify the contractor immediately when density deficiencies or testing precision exceeding the allowable differences are observed.

B.5.2 Independent Assurance Testing

(1) Independent assurance is unbiased testing the department performs to evaluate the department's verification and the contractor's QC sampling and testing including personnel qualifications, procedures, and equipment. The department will perform the independent assurance review according to the department's independent assurance program.

B.6 Dispute Resolution

(1) The testers may perform investigation in the work zone by analyzing the testing, calculation, and documentation procedures. The testers may perform gauge correlation according to B.3.2.1.

- (2) The testers may use correlation monitoring according to B.3.2.2 to determine if one of the gauges is out of tolerance. If a gauge is found to be out of tolerance with its reference value, remove the gauge from the project and use the other gauge's test results for acceptance.
- (3) If the testing discrepancy cannot be identified, the contractor may elect to accept the QV sublot density test results or retesting of the sublot in dispute within 48 hours of paving. Traffic control costs will be split between the department and the contractor.
- (4) If investigation finds that both gauges are in error, the contractor and engineer will reach a decision on resolution through mutual agreement.

B.7 Acceptance

(1) The department will not accept QMP HMA Pavement Nuclear Density if a non-correlated gauge is used for contractor QC tests.

C (Vacant)

D (Vacant)

E Payment

E.1 QMP Testing

(1) Costs for all sampling, testing, and documentation required under this special provision are incidental to the 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.

E.2 Disincentive for HMA Pavement Density

(1) The department will administer density disincentives according to standard spec 460.5.2.2.

E.3 Incentive for HMA Pavement Density

- (1) Delete standard spec 460.5.2.3.
- (2) If the lot density is greater than the minimum specified in standard spec table 460-3 and all individual air voids test results for that mixture are within +1.0 percent or -0.5 percent of the design target in standard spec table 460-2, the department will adjust pay for that lot as follows:

Percent Lot Density Above Minimum	Pay Adjustment Per Ton
From -0.4 to 1.0 inclusive	\$0
From 1.1 to 1.8 inclusive	\$0.40
More than 1.8	\$0.80

(3) The department will adjust pay under the Incentive Density HMA Pavement bid item. Adjustment under this item is not limited, either up or down, to the bid amount shown on the schedule of items.

- (4) If a traffic lane meets the requirements for disincentive, the department will not pay incentive on the integrally paved shoulder.
- (5) Submit density results to the department electronically using the MRS software. The department will validate all contractor data before determining pay adjustments. 460-020 (20100709)

17. Salvaged Rail.

Perform this work in accordance to the pertinent requirements of standard spec 204 and standard spec 614 and as hereinafter provided

Completely disassemble the existing beam guard and carefully remove all salvageable posts, blocks, guardrail and hardware (brackets, reflectors, nuts, washers, bolts and other appurtenances) in a manner that will preclude any damage (cutting or destructive measures are not allowed). Store the salvaged materials on the right-of-way, outside the limits of construction at a location approved by the engineer. Store salvaged materials as follows:

- Posts Banded and neatly stacked on pallets.
- Blocks Banded and neatly stacked on pallets.
- Beams banded and neatly stacked on pallets.
- Hardware in 5 gallon pails or burlap sacks

Upon completion of the removal and storage of salvageable materials, contact Jon Johnson, Washburn County Highway Department at (715) 635-4480.

Washburn County will inspect the materials and shall have the right to reject any damaged or otherwise unacceptable materials.

Remove all other materials from the right-of-way and properly dispose of them, including items rejected.

This work also includes entirely removing the posts and backfilling their hole as necessary.

18. Removing Signs Type II.

Type II aluminum signs are the department's property. Return aluminum signs to the Northwest Region sign shop palletized for handling with a forklift. Northwest Eau Claire Sign Shop coordinators Steve Allard, (715) 855-7671 or Steve Sydow, (715) 855-7669 shall be notified at least 3 business days prior to delivery to coordinate shipment to be delivered to the Northwest Region Spooner Sign Shop at:

Junction 253 and 63 Green Valley Road Spooner, WI 54801 Plywood Type II and all Type I and Type III signs are the contractor's property, unless the contract specifies otherwise. Dispose of these signs off of the Right-of-Way.

19. Pavement Marking Grooved Wet Reflective Tape 4-Inch, Item 646.0881.S; 8-Inch, Item 646.0883.S.

A Description

This special provision describes furnishing, grooving and installing preformed wet reflective pavement marking tape for grooved applications as shown on the plans, according to standard spec 646, and as hereinafter provided.

B Materials

Furnish grooved wet reflective pavement marking tape and adhesive material per manufacturer's recommendations, if required, from the department's approved products list.

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

C Construction

C.1 General

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

Plane the grooved lines according to details in the plan and per manufacturer's recommendations. Use grooving equipment with a free-floating, independent cutting head. Plane a minimum number of passes to create a grooved surface per manufacturer's recommendations.

C.2 Groove Depth

Cut the groove to a depth of $120 \text{ mils} \pm 10 \text{ mils}$ from the pavement surface or, if tined, from the high point of the tined surface. To measure the depth, the contractor may use a depth plate placed in the groove and a straightedge placed across the plate and groove, or the contractor may use a straightedge placed perpendicular to the groove. The department may periodically check groove depths.

C.3 Groove Width – Longitudinal Markings

Cut the groove one-inch wider than the width of the tape.

C.4 Groove Position

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

C.5 Groove Cleaning

C.5.1 Concrete

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

If water is used in the grooving process, allow the groove to dry a minimum of 24 hours after groove cleaning, and prior to pavement marking application. The groove surface shall be clean and dry before applying the adhesive, and pavement marking tape. Use a high-pressure air blower with at least 185 ft³/min air flow and 120 psi air pressure to clean the groove; use of the air blower does not decrease the amount of time required for the groove to dry.

C.5.2 New Asphalt

Groove pavement five or more days after paving.

Use a high-pressure air blower with at least 185 ft³/min air flow and 120 psi air pressure to clean the groove.

C.5.3 Existing Asphalt

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

Use a high-pressure air blower with at least 185 ft³/min air flow and 120 psi air pressure to clean the groove.

C.6 Tape Application

Apply the wet reflective pavement marking tape when both the air and surface temperature are 40 degrees F and rising.

Apply tape in the groove as per manufacturer's recommendations. If manufacturer's recommendations require surface preparation adhesive

- 1) For the Southeast Region and the ozone non-attainment Northeast Region counties of Sheboygan, Manitowoc, and Kewaunee:
 - Apply SPA-60 during May 1 to September 30, both dates inclusive due to Volatile Organic Compound Limitations.
 - Apply P-50 during October 1 to April 30, both dates inclusive.
- 2) For the remainder counties:
 - Apply either adhesive.

Refer to the manufacturer's instructions for determining when the surface preparation adhesive is set

Tamp the wet reflective pavement marking tape with a tamper cart roller, with a minimum of a 200-lb load, cut to fit the groove. Tamp a minimum of three complete cycles (6 passes) with grooved modified tamper roller cart.

D Measurement

The department will measure Pavement Marking Grooved Wet Reflective Tape (Width) for grooved applications in length by the linear foot of tape placed according to the contract and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
646.0881.S	Pavement Marking Grooved Wet Reflective Tape 4-Inch	LF
646.0883.S	Pavement Marking Grooved Wet Reflective Tape 8-Inch	LF

Payment is full compensation for cleaning and preparing the pavement surface; furnishing and installing the material; and for removing temporary pavement marking, if necessary. 646-018 (20120615)

20. Portable Changeable Message Sign (PCMS) Cellular Communications, Item SPV.0045.01.

A Description

This special provision describes cellular communications requirements for use with PCMS. 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 a cellular modem and antenna that enables the department to communicate and control PCMS conforming to standard spec 643.2.7.

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) Cellular Communications by the day, acceptably completed, measured as the number of calendar days each cellular modem for PCMS 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) Cellular DAY

Communications

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

21. Material Transfer Vehicle, Project 1197-18-75, Item SPV.0105.01; Project 1197-18-76, Item SPV.0105.03.

A Description

This special provision describes furnishing Material Transfer Vehicle (MTV) and an operator for use on this project during HMA upper layer paving operations, as shown in the plans or as directed by the engineer, and as hereinafter provided.

B Materials

The MTV shall be self propelled, remix and maintain constant temperature, and continually feed the paver hopper. The storage capacity shall be adequate to provide continuous forward movement of the paver. The paver speed shall be coordinated to match the delivery of material and capacity of the MTV to limit stopping of the paver.

C Construction

An operator shall remain with the vehicle at all times during moving operations and the paver's hopper shall remain full at all times to avoid segregation of coarse aggregates. No placement of HMA upper layer pavement shall be allowed without the use of the MTV.

D Measurement

The department will measure Material Transfer Vehicle as a single lump sum unit for each Material Transfer Vehicle, 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	Material Transfer Vehicle, Project 1197-18-75	LS
SPV.0105.03	Material Transfer Vehicle, Project 1197-18-76	LS

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

22. Preparation of Foundation for Asphaltic Paving Special, Project 1197-18-75, Item SPV.0105.02; Project 1197-18-76, Item SPV.0105.04.

A Description

Prepare the existing pavement foundation in accordance to standard spec 211, as per the special plan detail, and as hereinafter provided.

B Materials

C Construction

Replace standard spec 211.3.5.4 with the following:

Remove all surplus crack and joint sealing material from the surface of the pavement and all joint material, including fillers, sealers, and asphalt patching from joints and cracks to a minimum depth of 4 inches or full depth where conditions dictate below the surface of the concrete pavement.

Completely remove unstable patches of asphaltic materials used to fill localized pits, depressions, badly spalled, or disintegrated areas of the old pavement. Remove any loose concrete or concrete with incipient spalling within or contiguous to such areas.

Prior to placement of the HMA pavement and or leveling layer, refill this areas of removal, as described above, to the surface of the concrete pavement. Payment for refilling these areas is paid for under bid item 465.0110 Asphaltic Surface Patching. Patching material that extends more than ½ inch above the milled ground surface shall be corrected before the leveling layer is placed.

D Measurement

The department will measure Preparation of Foundation for Asphaltic Paving Special, Project 1197-18-75 and Preparation of Foundation for Asphaltic Paving Special, Project 1197-18-76 in accordance to standard spec 211.4.

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	Preparation of Foundation for Asphaltic Paving Special	LS
	Project 1197-18-75	
SPV.0105.04	Preparation of Foundation for Asphaltic Paving Special	LS
	Project 1197-18-76	

Payment is full compensation conforming to standard spec 211.5.

23. Reheating HMA Pavement Longitudinal Joints Special, Item SPV.0170.01.

A Description

This special provision describes reheating the abutting edge of the previously compacted upper layer in the adjacent lane while paving mainline asphalt pavements.

B (Vacant)

C Construction

C.1 Equipment

Provide a self-contained heating unit that heats by convection only. Do not use forced air to enhance the flame. Provide a fireproof barrier between the flame and the heater's fuel source. The heater must produce a uniform distribution of heat within the heat box. Provide automatic controls to regulate the heater output and shutoff the heater when the paver stops or the heater control system loses power.

Mount the heater on the paver inside the paver's automatic leveling device.

C.2 Reheating Joints

Evenly reheat at least an 8 inch (200 mm) wide strip of the previously compacted surface layer in the adjacent lane as follows:

-Reheat the joint to within 60 degrees F.(15 degrees C) of the mix temperature at the paver auger. Joint temperature is to be measured immediately behind the heater.

The engineer may allow the required joint reheat temperatures to be cooler than specified to adjust for weather, wind, plant mix temperatures, warm asphalt type mixtures, and other field conditions. Coordinate the heater output and paver speed to achieve the required joint reheat temperature without visible smoke emission.

D Measurement

The department will measure Reheating HMA Pavement Longitudinal Joints Special by the full 100-foot (40 m) survey station, acceptably completed, as measured along the joint. The department will measure partial stations as full stations.

E Payment

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

ITEM NUMBER DESCRIPTION UNIT SPV.0170.01 Reheating HMA Pavement Longitudinal Joints Special STA

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

24. Concrete Pavement Repair Non Doweled Special, Item SPV.0180.01; Concrete Pavement Replacement Non Doweled Special, Item SPV.0180.02.

A Description

This special provision describes construction of Concrete Pavement Repair Non Doweled Special and Concrete Pavement Replacement Non Doweled Special as shown on the plans and according to standard specs 415, 416, and 710. Concrete pavement placed under these items shall be ground and overlaid with HMA pavement. QMP for these items shall be combined and covered under standard spec 716, as shown on the plans, and hereinafter provided.

B Materials

B.1 Concrete Mixtures

Add the following to standard spec 716.2:

Concrete mix design shall be the responsibility of the contractor. Provide the concrete mix designs necessary to accommodate the contractors operations and contractor scheduling according to the Traffic article and the Prosecution and Progress article.

Chloride based accelerators shall be allowed in any concrete mixes that are specifically designed to meet opening strength within six hours or less within the time of placement to accommodate lane restrictions as specified in the contract.

QC slump testing is not required for any concrete mixture that has been approved and has at least 700 lbs of cement per cubic yard.

Random 28-day compressive strength cylinders are not required.

Any chemical admixture(s) to be used, other than air-entraining agents or water reducers from the department's approved list, must be approved in advance by the engineer. The water-cement ratio of the concrete mixture shall not exceed 0.40.

C Construction

C.1 General

Restrict lane operations as specified in the Traffic article and the Prosecution and Progress article. Perform work to cause the least possible inconvenience to traffic.

Prepare the base as specified in standard spec 211 using engineer-approved hand methods. Place the repair to the same thickness of the variable depth contiguous pavement. In lieu of replacing base that was damaged or removed, the contractor will be allowed to place concrete to fill this area at no additional cost to the department.

C.2 Concrete Repair

Add the following to standard specs 416.3. 7 and 416.3.8.2:

Deposit concrete to require as little re-handling as possible, place and consolidate by hand with an immersion type vibrator, and strike off and finish flush with adjoining surfaces. Any finished surface within the repair that is 0.5 inches higher than the adjoining pavement shall be ground to match elevation. Any individual repair that, within its defined boundaries, has any finished surface that is 0.5 inch lower than the adjoining pavement shall be paid at 50% of the bid price within the individual repair. Repair areas greater than 15 feet in length shall meet the Surface Testing and Correction parameters as defined in standard spec 415.3.10.

Unless the plans show or the engineer directs otherwise, the department will not require ties to the existing adjoining pavement within repairs that are fifteen feet or less in length.

Construct, cure, and protect as specified for concrete pavement repairs in standard spec 416.

C.3 Concrete Replacement

Placement of Concrete Pavement Replacement Non Doweled Special shall be m accordance to standard spec 415.3.6 through standard spec 415.3.14.

C.4 Opening to Traffic

Concrete Pavement Repair Non Doweled Special and Concrete Pavement Replacement Non Doweled Special must attain a minimum compressive strength of 2500 psi before opening to traffic. The opening strength shall be determined by Maturity Methods standard spec 502.3.10.1.3.3 or other engineer approved methods. If cylinders are used, the compressive strength shall be measured by testing concrete cylinders cured in the field on top of the slab, under the curing blanket. At least two cylinders shall be tested in determining the attained strength of concrete repairs for the purpose of opening the pavement to traffic. The average of test results for the two cylinders shall be used to

determine compliance, except that neither cylinder may be less than 10 percent below the required strength.

If opening is not controlled by maturity methods or cylinders, cores may be substituted.

C.5 Details

Details for the construction of these two items shall be in accordance to the Concrete Pavement Repair and Replacement plan details.

D Measurement

The department will measure Concrete Pavement Repair Non Doweled Special and Concrete Pavement Replacement Non Doweled Special by the square yard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCIPTION	UNIT
SPV.0180.01	Concrete Pavement Repair Non Doweled Special	SY
SPV.0180.02	Concrete Pavement Replacement Non Doweled	SY
	Special	

Special

Payment is full compensation for removing old pavement and disposing of removed materials; for preparing the base; and for providing, curing, and protecting the concrete.

The department will pay separately for the following bid items: Sawing Asphalt, Sawing Concrete, Drilled Tie Bars, and Asphaltic Surface Patching into the existing shoulder.

25. Concrete Pavement Centerline Joint Repair, Item SPV.0180.03.

A Description

This special provision describes construction of Concrete Pavement Centerline Joint Repair as shown on the plans and according to standard specs 415, 416, and 710. QMP for these items shall be combined and covered under standard spec 716, as shown on the plans, and hereinafter provided.

B Materials

B.1 Concrete Mixtures

Add the following to standard spec 716.2:

Concrete mix design shall be the responsibility of the contractor. Provide the concrete mix designs necessary to accommodate the contractors operations and contractor scheduling according to the Traffic article and the Prosecution and Progress article.

Chloride based accelerators shall be allowed in any concrete mixes that are specifically designed to meet opening strength within six hours or less within the time of placement to accommodate lane restrictions as specified in the contract.

QC slump testing is not required for any concrete mixture that has been approved and has at least 700 lbs of cement per cubic yard.

Random 28-day compressive strength cylinders are not required.

Any chemical admixture(s) to be used, other than air-entraining agents or water reducers from the department's approved list, must be approved in advance by the engineer. The water-cement ratio of the concrete mixture shall not exceed 0.40.

C Construction

C.1 General

Restrict lane operations as specified in the Traffic article and the Prosecution and Progress article. Perform work to cause the least possible inconvenience to traffic.

Prepare the base as specified in standard spec 211 using engineer-approved hand methods. Place the repair to the same thickness of the variable depth contiguous pavement. In lieu of replacing base that was damaged or removed, the contractor will be allowed to place concrete to fill this area at no additional cost to the department.

C.2 Concrete Repair

Add the following to standard specs 416.3. 7 and 416.3.8.2:

Deposit concrete to require as little re-handling as possible, place and consolidate by hand with an immersion type vibrator, and strike off and finish flush with adjoining surfaces. Any finished surface within the repair that is 0.5 inches higher than the adjoining pavement shall be ground to match elevation. Any individual repair that, within its defined boundaries, has any finished surface that is 0.5 inch lower than the adjoining pavement shall be paid at 50% of the bid price within the individual repair. Repair areas greater than 15 feet in length shall meet the Surface Testing and Correction parameters as defined in standard spec 415.3.10.

Unless the plans show or the engineer directs otherwise, the department will not require ties to the existing adjoining pavement within repairs that are fifteen feet or less in length.

Construct, cure, and protect as specified for concrete pavement repairs in standard spec 416.

C.3 Concrete Replacement

Placement of Concrete Pavement Centerline Joint Repair shall be m accordance to standard spec 415.3.6 through standard spec 415.3.14.

C.4 Opening to Traffic

Concrete Pavement Centerline Joint Repair must attain a minimum compressive strength of 2500 psi before opening to traffic. The opening strength shall be determined by Maturity Methods, standard spec 502.3.10.1.3.3, or other engineer approved methods. If

cylinders are used, the compressive strength shall be measured by testing concrete cylinders cured in the field on top of the slab, under the curing blanket. At least two cylinders shall be tested in determining the attained strength of concrete repairs for the purpose of opening the pavement to traffic. The average of test results for the two cylinders shall be used to determine compliance, except that neither cylinder may be less than 10 percent below the required strength.

If opening is not controlled by maturity methods or cylinders, cores may be substituted.

C.5 Details

Details for the construction of this item shall be in accordance to the Concrete Pavement Centerline Joint Detail and plan details.

D Measurement

The department will measure Concrete Pavement Centerline Joint Repair by the square yard, acceptably completed.

E Payment

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

ITEM NUMBERDESCIPTIONUNITSPV.0180.03Concrete Pavement Centerline Joint RepairSY

Payment is full compensation for removing old pavement and disposing of removed materials; for preparing the base; and for providing, curing, and protecting the concrete.

The department will pay separately for the following bid items: Sawing Concrete, Drilled Tie Bars, and Asphaltic Surface Patching.

26. Asphaltic Surface Special, Item SPV.0195.01.

A Description

This section describes constructing asphaltic surface in accordance to standard spec 465, as directed by the engineer, and as hereinafter provided.

B Materials

The materials shall conform to standard spec 465.2 for the asphaltic mixture except that the mixture shall meet the requirements specified for E-3 or greater under standard spec 460.2 and the contractor shall furnish aggregates mixed with AC PG 64-34 or AC PG 58-34 asphaltic material.

C Construction

Construct asphaltic surface in accordance to standard spec 465.3.1.

D Measurement

The department will measure Asphaltic Surface Special by the ton, acceptably completed using the methods specified in standard spec 450.4. The department will not measure asphaltic materials separately.

E Payment

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

ITEM NUMBERDESCRIPTIONUNITSPV.0195.01Asphaltic Surface SpecialTON

Payment is full compensation for submitting an asphaltic mixture design; for preparing the foundation; for providing the asphaltic mixture, including asphaltic material and reclaimed asphaltic materials; and for compacting the mixture.

November 2013 ASP-4

ADDITIONAL SPECIAL PROVISION 4

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

Release of Routine Retainage

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

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

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

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

ADDITIONAL SPECIAL PROVISION 6 ASP 6 - Modifications to the standard specifications

Make the following revisions to the standard specifications:

450.3.2.1 General

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

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

450.5 Payment

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

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

455.3.2.1 General

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

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

460.2.2.3 Aggregate Gradation Master Range

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

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

TABLE 400.4	400DE04TE		DANGE AND VALA DECLUDENCE
TABLE 460-1	A(i(iRF(iATF	GRADATION MASTER	RANGE AND VMA REQUIREMENTS

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

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

460.3.4 Cold Weather Paving

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

460.3.4 Cold Weather Paving

460.3.4.1 Cold Weather Paving Plan

- (1) Submit a written cold weather paving plan to the engineer at the preconstruction meeting. In that plan outline material, operational, and equipment changes for paving when the air temperature approximately 3 feet above grade, in shade, and away from artificial heat sources is less than 40 F. Include the following:
 - Use a department-accepted HMA mix design that incorporates a warm mix additive from the department's approved products list. Do not use a foaming process.
 - Use additional rollers.
- (2) Engineer written acceptance is required for the cold weather paving plan. Engineer acceptance of the plan does not relieve the contractor of responsibility for pavement performance except as specified in 450.5(4).

460.3.4.2 Cold Weather Paving Operations

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

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

460.4 Measurement

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

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

460.5.1 General

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

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

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

460.5.2.2 Disincentive for HMA Pavement Density

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

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

460.5.2.4 Cold Weather Paving

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

460.5.2.4 Cold Weather Paving

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

465.2 Materials

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

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

Bid Items Added

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

ITEM NUMBERDESCRIPTIONUNIT460.4000HMA Cold Weather PavingTON

Errata

Make the following corrections to the standard specifications:

501.3.2.4.4 Water Reducer

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

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

ADDITIONAL SPECIAL PROVISION 7

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

ADDITIONAL SPECIAL PROVISION 9 Electronic Certified Payroll Submittal

- (1) Use the department's Civil Rights Compliance System (CRCS) to submit certified payrolls electronically. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at: http://www.dot.wi.gov/business/civilrights/laborwages/index.htm
- (2) Ensure that all tiers of subcontractors, as well as all trucking firms, submit their weekly certified payrolls electronically through CRCS. These payrolls are due within seven calendar days following the close of the payroll period. Every firm providing physical labor towards completing the project is a subcontractor under this special provision.
- (3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin payrolls. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Tess Mulrooney at 608-267-4489 to schedule the training.
- (4) The department will reject all paper submittals of forms DT-1816 and DT-1929 for information required under this special provision. All costs for conforming to this special provision are incidental to the contract.
- (5) Firms wishing to export payroll data from their computer system into CRCS should have their payroll coordinator send several sample electronic files to Tess two months before a payroll needs to be submitted. Not every contractor's payroll system is capable of producing export files. For details, see pages 17-22 of the CRCS System Background Information manual available online on the Labor, Wages, and EEO Information page at: http://www.dot.wi.gov/business/civilrights/laborwages/docs/crc-payroll-manual.pdf

Page 1 of 1

DECEMBER 2013

BUY AMERICA PROVISION

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

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

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

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

1 of 1

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 contacts.

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

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

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

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

II. PAYROLL REQUIREMENTS

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

III. POSTINGS AT THE SITE OF THE WORK

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

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

IV. WAGE RATE REDISTRIBUTION

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

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

V. ADDITIONAL CLASSIFICATIONS

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

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

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

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

ANNUAL PREVAILING WAGE RATE DETERMINATION FOR ALL STATE HIGHWAY PROJECTS WASHBURN COUNTY

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

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

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

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

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

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

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	\$	\$	\$
Bricklayer, Blocklayer or Stonemason	30.42	17.27	47.69
Carpenter	30.48	15.90	46.38
Cement Finisher	34.22	13.90	48.12
Electrician Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate of Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	29.72 n Sunday, New Ye	18.24 ar's Day, Memor	47.96 ial Day,
Fence Erector	15.98	0.00	15.98
Ironworker	34.15	22.05	56.20
Future Increase(s): Add \$1.35/hr on 5/1/2014; Add \$1.50/hr on 5/1/20 Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate of Independence Day, Labor Day, Thanksgiving Day and Christmas Day	n Sunday, New Ye	ar's Day, Memor	ial Day,
Line Constructor (Electrical)	29.13	0.00	29.13
Painter	21.87	11.37	33.24
Pavement Marking Operator	30.00	0.00	30.00
Piledriver	30.98	18.75	49.73
Roofer or Waterproofer	30.50	16.87	47.37
Teledata Technician or Installer	16.50	11.26	27.76
Tuckpointer, Caulker or Cleaner	34.57	15.25	49.82
Underwater Diver (Except on Great Lakes)	34.48	15.90	50.38
Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONI	_Y 34.43	15.24	49.67
Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	16.89	47.49
Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.58	40.36
Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

WASHBURN COUNTY Page 2

TRUCK DRIVERS Single Axle or Two Axle 34.22 19.90 54.12 Three or More Axle 4.52 17.77 42.29 Future Increase(s): Add \$1.30/hr on 6/1/2014. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. Articulated, Euclid, Dumptor, Off Road Material Hauler 29.27 20.40 49.67 Future Increase(s): Add \$1.75/hr on 6/1/14): Add \$1.25/hr on 6/1/15): Add \$1.30/hr on 6/1/16): Add \$1.25/hr on 6/1/17. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day, 2) Add \$1.50/hr right work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/ civilrights/laborwages/pwc. htm. Pavement Marking Vehicle 23.31 17.13 40.44 Shadow or Pilot Vehicle 34.22 19.90 54.12 Truck Mechanic 23.31 17.13 40.44 LABORERS General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$1.00/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer, Add \$1.51/hr for tollater and operated), chain saw operator and demolition burning torch laborer, Add \$1.51/hr for bluminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$2.20/hr for blaster and powderman; Add \$2.50/hr for bloomman; Add \$3.50/hr for line and grade specialist, Add \$4.50/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	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
Single Axle or Two Axle Three or More Axle Future Increase(s): Add \$1.30/hr on 6/1/2014. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.75/hr on 6/11/14): Add \$1.25/hr on 6/11/15): Add \$1.30/hr on 6/11/6): Add \$1.25/hr on 6/11/17. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day, 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm. Pavement Marking Vehicle 23.31 17.13 40.44 LABORERS General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$1.00/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer, Add \$1.5/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$2.00/hr for blaster and powderman; Add \$2.05/hr for bottomman; Add \$3.5/hr for line and grade specialist. Add \$4.5/hr for popleayer. 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 16.75 0.00 16.75 Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christm		 \$	 \$	<u>\$</u>
Three or More Axle Future Increase(s): Add \$1.30/hr on 6/1/2014. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. Articulated, Euclid, Dumptor, Off Road Material Hauler 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. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day, 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc. htm. Pavement Marking Vehicle Pavement Marking Vehicle 34.22 Truck Mechanic 17.13 40.44 LABORERS General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$1.0/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$1.50/hr for blaster and powderman; Add \$2.50/hr for bottoman; Add \$3.50/hr for blaster and powderman; Add \$2.50/hr for bottoman; Add \$3.50/hr for blaster and powderman; Add \$2.50/hr for bottoman; Add \$3.50/hr for labater and powderman; Add \$3.50/hr for blaster and powderman; Add \$4.50/hr for blaster; Add \$4.50/hr for blaster; Add \$4.50/hr for	TRUCK DRIVERS			
Future Increase(s): Add \$1.30/hr on 6/1/2014. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. Articulated, Euclid, Dumptor, Off Road Material Hauler 29.27 20.40 49.67 Future Increase(s): Add \$1.75/hr on 6/1/14); Add \$1.25/hr on 6/1/15); Add \$1.30/hr on 6/1/16); Add \$1.25/hr on 6/1/17. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm. Pavement Marking Vehicle 23.31 17.13 40.44 Shadow or Pilot Vehicle 23.31 17.13 40.44 Shadow or Pilot Vehicle 23.31 17.13 40.44 LABORERS General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$4.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$1.50/hr for blaster and powderman; Add \$2.25/hr for bottomman; Add \$3.5/hr for line and grade specialist; Add \$4.50/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 Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traff	Single Axle or Two Axle	34.22	19.90	54.12
Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.75/hr on 6/11/4), Add \$1.25/hr on 6/11/15); Add \$1.20/hr on 6/11/6), Add \$1.25/hr on 6/11/17. Premium Pay: DOT PREMIUMS: 1) Pay to times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day, 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/ laborwages/pwc. htm. Pavement Marking Vehicle 23.31 17.13 40.44 Shadow or Pilot Vehicle 34.22 19.90 54.12 Truck Mechanic LABORERS General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$1.0/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$1.5/hr for bilater and powderman; Add \$2.0/hr for bottomman; Add \$3.5/hr for line and grade specialist, Add \$4.5/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 16.75 0.00 16.75 Landscaper Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illiumination 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 Pers	Future Increase(s): Add \$1.30/hr on 6/1/2014. Premium Pay: DOT PREMIUM: Pay two times the hourly basic rate	e on Sunday, New Ye		
Pavement Marking Vehicle Shadow or Pilot Vehicle Truck Mechanic 34.22 19.90 54.12 Truck Mechanic 23.31 17.13 40.44 LABORERS General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for oblaster 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 16.75 0.00 16.75 Landscaper 16.75 0.00 16.75 Landscaper 19.04 14.63 43.67 Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). Flagperson or Traffic Control Person 25.67 14.63 40.30 Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be perfor	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.75/hr on 6/1/14); Add \$1.25/hr on 6/1/15 6/ 1/ 17. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic Day, Independence Day, Labor Day, Thanksgiving Day & Christma See DOT'S website for details about the applicability of this night w	29.27 5); Add \$1.30/hr on 6 rate on Sunday, Nev s Day. 2) Add \$1.50/l ork premium at: http	/1/16); Add \$1.29 w Year's Day, Me or night work pre	5/hr on emorial emium.
Shadow or Pilot Vehicle Truck Mechanic 23.31 17.13 40.44 LABORERS General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$1.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$1.5/hr for bituminous worker (raker and luternan), formsetter (curb., sidewalk and pavement) and strike off man; Add \$.20/hr for olaster 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 16.75 0.00 16.75 Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). Flagperson or Traffic Control Person Puture Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset an	Develope and Marking Welsiele	00.01	17.13	40.44
LABORERS General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for blaster and powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and grade specialist; Add \$.45/hr for pipelayer. DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). Asbestos Abatement Worker 16.75 0.00 16.75 Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.55/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). Flagperson or Traffic Control Person 25.67 14.63 40.30 Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	Chadayy av Dilat Vahiala	04.00	19.90	54.12
General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$1.160/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$1.5/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$2.0/hr for blaster and powderman; Add \$2.25/hr for bottomman; Add \$3.35/hr for line and grade specialist; Add \$4.45/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 16.75 0.00 16.75 Landscaper 29.04 14.63 43.67 Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). Flagperson or Traffic Control Person 25.67 14.63 40.30 Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise. Fiber Optic Laborer (Outs	Truck Mochania	22.21	17.13	40.44
Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$1.0/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$1.5/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$20/hr for blaster and powderman; Add \$2.5/hr for bottomman; Add \$3.5/hr for line and grade specialist; Add \$4.5/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 Landscaper 29.04 16.75 0.00 16.75 Landscaper 29.04 14.63 43.67 Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). Flagperson or Traffic Control Person 25.67 14.63 40.30 Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	LABORERS			
Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). Flagperson or Traffic Control Person 25.67 14.63 40.30 Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise. Fiber Optic Laborer (Outside, Other Than Concrete Encased) 18.31 9.56 27.87	Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: Add \$.10/hr for topman, air tool operator, vibrator or operated), chain saw operator and demolition burning torch laborer and luteman), formsetter (curb, sidewalk and pavement) and strike powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and g DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunda Independence Day, Labor Day, Thanksgiving Day & Christmas Day involving temporary traffic control setup, for lane and shoulder clos conditions is necessary as required by the project provisions (included)	tamper operator (mer; Add \$.15/hr for bitu off man; Add \$.20/hr rade specialist; Add \$ y, New Year's Day, M y. 2) Add \$1.25/hr for ures, when work und	echanical hand minous worker (r for blaster and 6.45/hr for pipela lemorial Day, work on projects ler artificial illum	raker yer. s ination
Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). Flagperson or Traffic Control Person Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise. Fiber Optic Laborer (Outside, Other Than Concrete Encased) 18.31 9.56 27.87	Asbestos Abatement Worker	16.75	0.00	16.75
Flagperson or Traffic Control Person 25.67 14.63 40.30 Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise. Fiber Optic Laborer (Outside, Other Than Concrete Encased) 18.31 9.56 27.87	Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic Day, Independence Day, Labor Day, Thanksgiving Day & Christma involving temporary traffic control setup, for lane and shoulder clos conditions is necessary as required by the project provisions (included).	rate on Sunday, Nevs s Day. 2) Add \$1.25/l ures, when work und	w Year's Day, Me or for work on pr ler artificial illum	emorial ojects ination
Fiber Optic Laborer (Outside, Other Than Concrete Encased) 18.31 9.56 27.87	Flagperson or Traffic Control Person Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic Day, Independence Day, Labor Day, Thanksgiving Day & Christma Department of Transportation or responsible governing agency required.	rate on Sunday, Nevs s Day. 2) Add \$1.25/l juires that work be pe	w Year's Day, Me or when the Wise erformed at night	emorial consin
				27.87
	Railroad Track Laborer	21.31	5.55 15.28	36.59

WASHBURN COUNTY Page 3

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS \$	TOTAL \$
HEAVY EQUIPMENT OPERATORS			
Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Towe Derrick, With or Without Attachments, With a Lifting Capacity of Over 10 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 L Crane With Boom Dollies; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2 \$1.25/hr on 6/1/2017.	r or 00 _bs., 015); Add \$1.30/h	·	
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic random, Independence Day, Labor Day, Thanksgiving Day & Christmas I See DOT'S website for details about the applicability of this night work business/ civilrights/ laborwages/ pwc. htm.	Day. 2) Add \$1.50	/hr night work pre	mium.
Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower 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 Pilo (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic ra	er or ; er; t 015); Add \$1.30/r	•	
Day, Independence Day, Labor Day, Thanksgiving Day & Christmas I See DOT'S website for details about the applicability of this night worbusiness/ civilrights/ laborwages/ pwc. htm.	Day. 2) Add \$1.50	/hr night work pre	mium.
Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster, Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screat 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, Vlbratory/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 & Gut 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, Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Gr 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 is 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); Win Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Win	eed; ster Tub cout c); Rig;	20.40	56.12

WASHBURN COUNTY Page 4

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	\$	\$	\$
& A- Frames.			
Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2 \$1.25/hr on 6/ 1/ 2017.	2015); Add \$1.30/hr	on 6/1/2016); A	dd
Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic r Day, Independence Day, Labor Day, Thanksgiving Day & Christmas See DOT'S website for details about the applicability of this night wo business/ civilrights/ laborwages/ pwc. htm.	Day. 2) Add \$1.50/I	nr night work pre	emium.
Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concret Finishing Machine (Road Type); Environmental Burner; Farm or Industr Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Perform Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Digger; Joint Sawer (Multiple Blade); Launch (NOT Performing Work or 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; Shoulderin Machine; Skid Steer Loader (With or Without Attachments); Telehandle Tining or Curing Machine. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2 \$1.25/hr on 6/1/2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic r Day, Independence Day, Labor Day, Thanksgiving Day & Christmas See DOT'S website for details about the applicability of this night wo business/ civilrights/ laborwages/ pwc. htm.	ial ming Jeep n the ng r; 2015); Add \$1.30/hr ate on Sunday, Nev Day. 2) Add \$1.50/l	w Year's Day, Me or night work pre	emorial emium.
Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jackin System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surg 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 Mach Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Veoints; Rock, Stone Breaker; Screed (Milling Machine); Stump Chippers Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2\$ \$1.25/hr on 6/1/2017. Premium Pay: DOT PREMIUMS: 1) Pay two times the hourly basic of Day, Independence Day, Labor Day, Thanksgiving Day & Christmas See DOT'S website for details about the applicability of this night wo business/ civilrights/ laborwages/ pwc. htm.	nine); Vell 2015); Add \$1.30/hr ate on Sunday, Nev Day. 2) Add \$1.50/l rk premium at: http	w Year's Day, Me nr night work pre ://www.dot.wi.g	emorial emium. ov/
Fiber Optic Cable Equipment.		13.05	39.74

Wisconsin Department of Transportation PAGE:

DATE: 12/04/14

SCHEDULE OF ITEMS REVISED:

N/A

CONTRACT: PROJECT(S): FEDERAL ID(S): 20150210022 1197-18-75 N/A 1197-18-76

CONTRACTOR : ITEM APPROX. LINE UNIT PRICE | BID AMOUNT DESCRIPTION NO | SECTION 0001 CONTRACT ITEMS _____ 17,470.000 204.0105 REMOVING 0010 PAVEMENT BUTT JOINTS SY |204.0115 REMOVING _____ |204.0120 REMOVING 0030 ASPHALTIC SURFACE SY MILLING 204.0180 REMOVING 0040 | DELINEATORS AND MARKERS | EACH 213.0100 FINISHING 0050 ROADWAY (PROJECT) 01. | 1.000 | 1.000 | 0050 ROADWAY (PROJECT) 01. |213.0100 FINISHING | 0060 ROADWAY (PROJECT) 02. 1.000 | EACH |1197-18-76 _____ TON |305.0120 BASE AGGREGATE | 0080|DENSE 1 1/4-INCH | 500.000 0090 | SHOULDERS |416.0610 DRILLED TIE | 45,360.000| 0100 BARS | EACH |

Wisconsin Department of Transportation PAGE: 2 DATE: 12/04/14

REVISED: SCHEDULE OF ITEMS

CONTRACT:

PROJECT(S): FEDERAL ID(S):
1197-18-75 N/A
1197-18-76 N/A ONTRACT: 20150210022

LINE	ITEM	APPROX.	UNIT PRICE	1	
NO	DESCRIPTION	QUANTITY AND UNITS	 DOLLARS	DOLLARS CTS	
0110	416.0750.S CONCRETE PAVEMENT PARTIAL DEPTH REPAIR JOINT REPAIR	3,920.000 LF	 	·	
	416.0752.S CONCRETE PAVEMENT PARTIAL DEPTH REPAIR CRACK REPAIR	 4,105.000 LF	 	·	
	440.4410.S INCENTIVE IRI RIDE 	 149,200.000 DOL	1.00000	149200.00	
	455.0110 ASPHALTIC MATERIAL PG58-34 	4,175.000 TON	 .		
0150	455.0605 TACK COAT 	 55,885.000 GAL			
	460.1103 HMA PAVEMENT TYPE E-3	 69,550.000 TON	 		
	460.2000 INCENTIVE DENSITY HMA PAVEMENT	 26,834.000 DOL	1.00000	26834.00	
	465.0110 ASPHALTIC SURFACE PATCHING 	2,035.000 TON			
	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS 	 362,295.000 LF			
0200	614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING	 1.000 EACH	 		
0210	614.0920 SALVAGED RAIL 	253.000 LF	 .		

Wisconsin Department of Transportation PAGE: 3 DATE: 12/04/14

SCHEDULE OF ITEMS

REVISED:

PROJECT(S): FEDERAL ID(S):
1197-18-75 N/A
1197-18-76 N/A CONTRACT: ONTRACT: 20150210022

LINE	!	APPROX.	UNIT PRICE	BID AMOUNT	
NO	DESCRIPTION 	QUANTITY AND UNITS	 DOLLARS CTS	 DOLLARS CTS	
0220	614.2300 MGS GUARDRAIL 3 	 287.500 LF			
0230	614.2610 MGS GUARDRAIL TERMINAL EAT 	 1.000 EACH			
0240	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 	 1.000 EACH	·		
0250	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 1197-18-75	1.000 1.000 EACH			
0260	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 02. 1197-18-76	1.000 1.000 EACH			
0270	619.1000 MOBILIZATION 	 1.000 EACH		 .	
0280	628.1504 SILT FENCE 	 400.000 LF			
	628.1520 SILT FENCE MAINTENANCE 	 400.000 LF		 .	
0300	628.1905 MOBILIZATIONS EROSION CONTROL 	 8.000 EACH			
0310	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL	 10.000 EACH		 .	

Wisconsin Department of Transportation PAGE: 4 DATE: 12/04/14

REVISED: SCHEDULE OF ITEMS

PROJECT(S): FEDERAL ID(S):
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1197-18-76 N/A CONTRACT: ONTRACT: 20150210022

LINE	!	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION	QUANTITY AND UNITS	I	DOLLARS CT
	633.0100 DELINEATOR POSTS STEEL 	 645.000 EACH	 	
	633.0500 DELINEATOR REFLECTORS	 707.000 EACH		
	634.0612 POSTS WOOD 4X6-INCH X 12-FT 	 15.000 EACH	 	
	634.0614 POSTS WOOD 4X6-INCH X 14-FT 	 294.000 EACH	 	 .
	634.0616 POSTS WOOD 4X6-INCH X 16-FT 	 158.000 EACH	 	 .
	634.0618 POSTS WOOD 4X6-INCH X 18-FT 	 80.000 EACH		
	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS	 10,914.900 LB		 .
	636.0100 SIGN SUPPORTS CONCRETE MASONRY 	 22.800 CY		 .
	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT 	 1,324.000 LB		
	637.1220 SIGNS TYPE I REFLECTIVE SH	 2,377.500 SF	 	
	637.2210 SIGNS TYPE II REFLECTIVE H 	 5,539.410 SF		

Wisconsin Department of Transportation PAGE: 5 DATE: 12/04/14

REVISED: SCHEDULE OF ITEMS

CONTRACT:

PROJECT(S): FEDERAL ID(S):
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1197-18-76 N/A ONTRACT: 20150210022

LINE	!	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION 	QUANTITY AND UNITS	 DOLLARS CTS	DOLLARS CT
	637.2230 SIGNS TYPE II REFLECTIVE F 	321.000 SF		
0440	638.2601 REMOVING SIGNS TYPE I 	 6.000 EACH	 	
	638.2602 REMOVING SIGNS TYPE II 	 494.000 EACH	 	
	638.3000 REMOVING SMALL SIGN SUPPORTS 	 580.000 EACH		
	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS	 14.000 EACH	 	
0480	642.5201 FIELD OFFICE TYPE C 	 1.000 EACH	 	
0490	643.0100 TRAFFIC CONTROL (PROJECT) 01. 1197-18-75	 1.000 EACH	 	
0500	643.0100 TRAFFIC CONTROL (PROJECT) 02. 1197-18-76	 1.000 EACH	 	
	643.0300 TRAFFIC CONTROL DRUMS 	 213,410.000 DAY		
0520	643.0420 TRAFFIC CONTROL BARRICADES TYPE III 	 14,135.000 DAY	 	
0530	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A 	28,270.000	 	

Wisconsin Department of Transportation PAGE: 6 DATE: 12/04/14

REVISED:

SCHEDULE OF ITEMS

PROJECT(S): FEDERAL ID(S):
1197-18-75 N/A
1197-18-76 N/A CONTRACT: ONTRACT: 20150210022

LINE	ITEM DESCRIPTION	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION	QUANTITY AND UNITS	!	DOLLARS CTS
	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C 	 5,940.000 DAY		
	643.0800 TRAFFIC CONTROL ARROW BOARDS 	 600.000 DAY		
	643.0900 TRAFFIC CONTROL SIGNS 	 28,080.000 DAY	 .	 .
	643.1050 TRAFFIC CONTROL SIGNS PCMS 	 600.000 DAY		
	646.0106 PAVEMENT MARKING EPOXY 4-INCH 	 497,485.000 LF	 	 .
	646.0600 REMOVING PAVEMENT MARKINGS 	 654.000 LF	 	
	646.0881.S PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH 	4,480.000 LF	 	
0610	646.0883.S PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 8-INCH	16,460.000	 	
0620	647.0566 PAVEMENT MARKING STOP LINE EPOXY 18-INCH	 260.000 LF	 .	
0630	647.0803 PAVEMENT MARKING AERIAL ENFORCEMENT BARS EPOXY 24-INCH	120.000	 	

Wisconsin Department of Transportation PAGE: 7 DATE: 12/04/14

SCHEDULE OF ITEMS

REVISED: CONTRACT:

PROJECT(S): FEDERAL ID(S):
1197-18-75 N/A
1197-18-76 N/A ONTRACT: 20150210022

LINE	I .	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION	QUANTITY AND UNITS	DOLLARS CTS	DOLLARS CTS
0640	649.0400 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	 6,090.000 LF		
0650	649.0801 TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH	 3,400.000 LF	 	
0660	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE	 144,500.000 LF	 	
0670	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 1197-18-75	 LUMP 	LUMP	
0680	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 02. 1197-18-76	 LUMP 	LUMP	
0690	690.0150 SAWING ASPHALT 	 540.000 LF	 	
0700	690.0250 SAWING CONCRETE 	 180,632.000 LF	 	
0710	SPV.0045 SPECIAL 01. PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) CELLULAR COMMUNICATIONS	 600.000 DAY	 	
0720	SPV.0105 SPECIAL 01. MATERIAL TRANSFER VEHICLE 1197-18-75	 LUMP 	 LUMP 	

Wisconsin Department of Transportation PAGE:

PAGE: 8 DATE: 12/04/14

SCHEDULE OF ITEMS

N/A

REVISED:

CONTRACT: PROJECT(S): FEDERAL ID(S): 20150210022 1197-18-75 N/A 1197-18-76

CONTRACTOR : | APPROX. | UNIT PRICE | BID AMOUNT | QUANTITY | ------ | AND UNITS | DOLLARS | CTS | DOLLARS | CTS ITEM LINE DESCRIPTION NO | SPV.0105 SPECIAL 02. 0730 PREPARE FOUNDATION FOR LUMP ASPHALTIC PAVING SPECIAL 1197-18-75 ______ | SPV.0105 SPECIAL 03. | 0740 | MATERIAL TRANSFER | LUMP | VEHICLE 1197-18-76 | LUMP ______ SPV.0105 SPECIAL 04. 0750 PREPARE FOUNDATION FOR LUMP LUMP ASPHALTIC PAVING SPECIAL 1197-18-76 SPV.0170 SPECIAL 01. 0760|REHEATING HMA PAVEMENT | 1,265.000| LONGITUDINAL JOINTS STA SPV.0180 SPECIAL 01. 8,900.000 0770 CONCRETE PAVEMENT REPAIR NON DOWELED SPECIAL SY SPV.0180 SPECIAL 02. 0780 CONCRETE PAVEMENT 1,000.000 REPLACEMENT NON DOWELED SY SPECIAL | SPV.0180 SPECIAL 03. | 0790 CONCRETE PAVEMENT | 6,000.000 CENTERLINE JOINT REPAIR SY | SECTION 0001 TOTAL TOTAL BID

PLEASE ATTACH SCHEDULE OF ITEMS HERE