

HIGHWAY WORK PROPOSAL

Wisconsin Department of Transportation
06/2017 s.66.0901(7) Wis. Stats

Proposal Number: **004**

| <u>COUNTY</u> | <u>STATE PROJECT</u> | <u>FEDERAL</u> | <u>PROJECT DESCRIPTION</u> | <u>HIGHWAY</u> |
|---------------|----------------------|----------------|--|----------------|
| Racine | 2704-00-78 | N/A | Wisconn Valley Way; Box Culvert | LOC STR |
| Racine | 3763-00-75 | N/A | Cth Kr, V Mt Pleasant; Kilbourn Ditch Box Culvert | CTH KR |

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

| | |
|---|--|
| Proposal Guaranty Required: \$75,000.00 Payable to: Wisconsin Department of Transportation | Attach Proposal Guaranty on back of this PAGE. |
| Bid Submittal Date: August 14, 2018 Time (Local Time): 9:00 am | Firm Name, Address, City, State, Zip Code |
| Contract Completion Time January 31, 2019 | SAMPLE NOT FOR BIDDING PURPOSES |
| Assigned Disadvantaged Business Enterprise Goal 0% | This contract is exempt from federal oversight. |

This certifies that the undersigned bidder, duly sworn, is an authorized representative of the firm named above; that the bidder has examined and carefully prepared the bid from the plans, Highway Work Proposal, and all addenda, and has checked the same in detail before submitting this proposal or bid; and that the bidder or agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal bid.

Do not sign, notarize, or submit this Highway Work Proposal when submitting an electronic bid on the Internet.

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)

(Bidder Signature)

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

(Print or Type Bidder Name)

(Date Commission Expires)

(Bidder Title)

Notary Seal

| | |
|--|-------------------------|
| Type of Work: Box Culvert Construction, Base, Asphalt Pavement, Temporary Access Road, Temporary Stream Diversion, Pavement Marking | For Department Use Only |
| Notice of Award Dated | Date Guaranty Returned |

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

Effective with August 2015 Letting

BID PREPARATION

Preparing the Proposal Schedule of Items

A General

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

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

The contractor is responsible for reviewing this web site for general notices as well as information regarding proposals in each letting. The department will also post special notices of all addenda to each proposal through this web site no later than 4:00 PM local time on the Thursday before the letting. Check the department's web site after 5:00 PM 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 PM 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:
<https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

or by calling the department at (608) 266-1631. Addenda can ONLY be obtained from the department's web site listed above or by picking up the addenda at the Bureau of Highway Construction, 4th floor, 4822 Madison Yards Way, Madison, WI, during regular business hours.

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

B Submitting Electronic Bids

B.1 On the Internet

- (1) Do the following before submitting the bid:
 1. Have a properly executed annual bid bond on file with the department.

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

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

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

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

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

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

C Waiver of Electronic Submittal

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

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

(Signature of Attorney-in-Fact)

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

March 2010

LIST OF SUBCONTRACTORS

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

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

[illegible]

DECEMBER 2000

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

Instructions for Certification

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

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

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

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

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

Special Provisions

Table of Contents

| Article | Description | Page # |
|---------|---|--------|
| 1. | General..... | 3 |
| 2. | Scope of Work..... | 3 |
| 3. | Wisconsin Inclusion Plan. | 3 |
| 4. | Prosecution and Progress..... | 5 |
| 5. | Traffic. | 8 |
| 6. | Traffic Meetings and Traffic Control Scheduling..... | 9 |
| 7. | Holiday Work Restrictions..... | 10 |
| 8. | Work Restrictions..... | 10 |
| 9. | Utilities..... | 10 |
| 10. | Other Contracts..... | 11 |
| 11. | Information to Bidders, WPDES General Construction Storm Water Discharge Permit. | 13 |
| 12. | Information to Bidders, U.S. Army Corps of Engineers Section 404 Permit..... | 13 |
| 13. | Environmental Protection, Aquatic Invasive Species Control..... | 13 |
| 14. | Erosion Control | 13 |
| 15. | Hauling Restrictions..... | 15 |
| 16. | Notice to Contractor – Personnel Identification Program..... | 15 |
| 17. | Notice to Contractor – Media Relations..... | 15 |
| 18. | Notice to Contractor- Safety..... | 16 |
| 19. | Notice to Contractor – Airport Operating Restrictions..... | 16 |
| 20. | Public Involvement Meetings..... | 17 |
| 21. | Material and Equipment Staging..... | 17 |
| 22. | Contractor Notification..... | 17 |
| 23. | Available Documents..... | 18 |
| 24. | Contractor Document Submittals..... | 18 |
| 25. | Geotechnical Investigation Information..... | 18 |
| 26. | CPM Progress Schedule..... | 18 |
| 27. | Dust Control Implementation Plan..... | 19 |
| 28. | Program Partnering Meetings Monthly..... | 20 |
| 29. | Partnering Meetings Monthly..... | 21 |
| 30. | Project Site Air Quality | 21 |
| 31. | Construction Over or Adjacent to Navigable Waters..... | 22 |
| 32. | Maintaining Drainage..... | 22 |
| 33. | Subletting the Contract..... | 22 |
| 34. | Pay Plan Quantity..... | 23 |
| 35. | Coordination with Businesses and Residents..... | 23 |
| 36. | Force Account..... | 23 |
| 37. | Clearing and Grubbing, Emerald Ash Borer..... | 23 |

| | | |
|-----|---|----|
| 38. | Removing or Abandoning Miscellaneous Structures. | 25 |
| 39. | Removing Drain Tile, Item 204.9090.S.001. | 26 |
| 40. | QMP Base Aggregate. | 26 |
| 41. | Concrete Masonry Structures. | 32 |
| 42. | Fence Safety, Item 616.0700.S. | 33 |
| 43. | Soil Stabilizer Type B. | 33 |
| 44. | Field Facilities. | 34 |
| 45. | Covering Signs. | 34 |
| 46. | Traffic Control. | 34 |
| 47. | Natural Backfill Material, Item SPV.0035.001. | 34 |
| 48. | Crash Cushions Temporary Left In Place, Item SPV.0060.001. | 35 |
| 49. | Sand Bags, Item SPV.0060.003. | 36 |
| 50. | Connect Drain Tile, Item SPV.0060.013. | 36 |
| 51. | Concrete Barrier Temporary Precast Delivered Special, Item SPV.0090.001. | 37 |
| 52. | Survey Project 2704-00-78, Item SPV.0105.001; Project 3763-00-75, Item SPV.0105.002. | 37 |
| 53. | Temporary Access Road Culvert C-51-85, Item SPV.0105.003. | 39 |
| 54. | Temporary Stream Diversion Culvert C-51-85, Item SPV.0105.004. | 40 |
| 55. | Temporary Stream Diversion Culvert B-30-142, Item SPV.0105.005. | 41 |
| 56. | Removal and Disposal of Invasive Plant Species, Item SPV.0170.001. | 42 |

STSP'S Revised November 30, 2017

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 2704-00-78, Wisconn Valley Way, Box Culvert, Local Street, Racine County and 3763-00-75, CTH KR, Village of Mount Pleasant, Kilbourn Ditch Box Culvert, CTH KR, located in Racine 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, 2018 Edition, as published by the department, and these special provisions.

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

100-005 (20171130)

2. Scope of Work.

The work under this contract shall consist of removal of existing box culvert B-30-0072, construction of new box culverts B-30-142 and C-51-85, 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. Wisconsin Inclusion Plan.

Utilization Plan and Other Inclusion Efforts

WisDOT recognizes the intentions of the Local Development Agreement to encourage inclusion for targeted businesses and workforce participants. Bidders are encouraged to make good-faith efforts to achieve these intentions within these contract provisions.

Requirement at the Time of Bid

All Bidders should submit a Wisconsin Utilization Plan at the time of bid demonstrating how s/he will achieve the inclusion objectives for targeted businesses and workforce participants. The submission should comply with the [Wisconsin Utilization Plan](#).

The Wisconsin Utilization Plan should be submitted to the Wisconsin Department of Transportation: Attn: Beth Canestra at dotdtsdbpd@dot.wi.gov. For questions regarding this provision please contact Michele Carter at Michele.Carter@dot.wi.gov.

A Public Infrastructure Construction Workforce Engagement Advisory Committee has been created to review trends in all bidders' Wisconsin Inclusion Plan submittals for communication and engagement purposes in the local community.

Business Inclusion Goals, Registration and Certification Requirements

WisDOT recognizes that the Local Development Agreement includes language to encourage local and disadvantaged business inclusion. As a result, the following workforce goals and resources have been established that are consistent with Foxconn's inclusion goals for their project:

| | |
|---|---|
| Wisconsin based Business | 60% |
| Racine County based Businesses | 10% |
| Minority-Owned (MBE) Business Enterprises | 10% Combined |
| Women-Owned (WBE) Enterprises | |
| Veteran-Owned Business Enterprises | |
| Directory of Wisconsin based Businesses | Wisconsin Department of Revenue |
| Directory of Racine County based Businesses | |

The Wisconsin Utilization Plan is to demonstrate the Bidder's efforts to maximize inclusion of targeted businesses and/or intermediaries which are certified and recognized, to include:

| Business Category/Certification | Registration Certification Type |
|--|--|
| Minority Business Enterprise (MBE) | MBE |
| North Central Minority Supplier Development Council | MSDC |
| Women-owned Business Enterprise (WBE) | WBENC |
| Women's Business Enterprise National Council | |
| Wisconsin Unified Certification DBE Program | City of Madison DOT, Dane County, Milwaukee County Links |
| Emerging Business Enterprise (EBE) | EBE |
| Small Business Enterprise (SBE) | SBE |
| Service Disabled Veteran and or Veteran-owned business (SDV/SVB) | SDV/SVB |
| Wisconsin Economic Development Corporation | WEDC |

| Approved List of Targeted Businesses Intermediaries | |
|---|---|
| African American Chamber of Commerce of Wisconsin | Pan-African Community Association |
| American Indian Chamber of Commerce of Wisconsin | The Business Council, Inc. |
| Greater Milwaukee Chamber of Commerce | Wisconsin Black Chamber of Commerce, Inc. |
| Hmong Wisconsin Chamber of Commerce | Wisconsin Chinese Chamber of Commerce |
| Latino Entrepreneurial Network | Wisconsin LGBT Chamber of Commerce |
| Milwaukee Inner-City Congregations Allied for Home (MICAH) | Wisconsin Veterans Chamber of Commerce |
| National Association of Minority Contractors (NAMC-WI) | |
| | |
| Approved List of Targeted Businesses Directories | |
| City of Milwaukee Small Business Enterprises (SBE) Business Directory | |
| Wisconsin Supply Chain Market Directory | |
| Wisconsin Unified Certification Program (WIUCP) DBE Directory | |

Workforce Inclusion and Diversity Goals

WisDOT recognizes that the Local Development Agreement includes language to encourage local and disadvantaged business inclusion. As a result, the following workforce goals have been established that are consistent with Foxconn's inclusion goals for their project:

| | |
|--|--------------|
| Wisconsin Resident Work Hours with an emphasis on Racine County Residents | 70% |
| Minorities or People of Color* | 10% Combined |
| *Minorities or People of Color as defined: American Indian or Alaska Native – Asian – Black or African American – Hispanic or Latino – Native Hawaiian or Other Pacific Islander. <i>Federal Register/Vol. 62, No. 210</i> | |
| Women | |
| Veterans | |

The bidder should make every feasible effort to provide economic opportunities to workforce candidates. The submission of a Wisconsin Utilization Plan affirms the Bidder will have implemented inclusionary measures to engage workforce intermediaries which include the following:

| Approved List of Workforce Intermediaries |
|---|
| Human Asset Development Corporation (HADC) First Choice Pre-Apprenticeship Training |
| Wisconsin Regional Training Partnership WRTP/BIG STEP |
| Racine Campus of Gateway Technical College |

Post-Award

The following two actions will be requested of the Awarded Contractor:

1. Affirmation of business inclusion plan:

Within five calendar days of contract award, affirm the participation of the targeted businesses who have been identified in the Wisconsin Utilization Plan. Submit separate Wisconsin Inclusion Agreement(s) for each individual business or organization being utilized. Submit to the Wisconsin Department of Transportation: Attn: Beth Cannestra at dotdtsdbpd@dot.wi.gov

2. Monitoring of workforce inclusion plan:

The Awarded Contractor is required to submit weekly certified payrolls by utilizing [WisDOT's Civil Rights Compliance System \(CRCS\)](#) for workforce analysis purposes only.

4. Prosecution and Progress.

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

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

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

The contract time for completion, including interim completion dates, is based on an expedited work schedule and may require extraordinary forces and equipment due to enhanced coordination efforts with adjacent site developments and utility installation.

Be advised that there may be multiple mobilizations and/or remobilizations to complete construction operations, for example such items as: grading, box culvert construction, paving, traffic control, signing, temporary and permanent pavement marking, finishing items and other incidental items. No additional payment will be made, by the department, for additional mobilizations.

Interim and Final Completion of Work

Supplement standard spec 108.10 with the following:

The department will not grant time extensions for the following:

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

sef-108-015 (20171004)

Winter weather work, grading, excavation of frozen ground, high ground water, dewatering during winter months, and mitigation efforts for high water table elevations shall not be considered adverse weather delays to construction. Cost for dewatering is considered incidental to construction.

Anticipate cold weather and late fall/winter concrete masonry construction. Plan to heat concrete masonry, aggregates and water for mixes, and that the heating of the aggregate and water is considered incidental to those concrete items. There will be no adverse weather delay for cold weather construction.

A Schedule of Operations

Coordinate traffic control and work operations with other projects listed under the article Other Contracts.

Maintain access for Foxconn at all times.

CTH KR shall be closed to traffic throughout construction.

2704-00-78

All work activities in this project relate to the construction of Structure C-51-85. The box culvert is located on Tributary No. 18 to Kilbourn Road Ditch at the future location of Wisconn Valley Way. Access to the work site is through the designated corridor from the East Frontage Road as shown in the plans. Activities include:

- Construction of a temporary access road from the east frontage road to the construction work site.
- Construction of a temporary stream diversion of Tributary No. 18 to Kilbourn Road Ditch to facilitate construction of Structure C-51-85.
- Construction of Structure C-51-85.
- Removal of the temporary stream diversion and the temporary access road.
- Restoration of all disturbed areas.

3763-00-75

All work activities in this project relate to the construction of Structure B-30-142. The box culvert is located on the Kilbourn Road Ditch at the future location of CTH KR. CTH KR will be closed to traffic throughout construction. Activities include:

- Construction of a temporary stream diversion of Kilbourn Road Ditch to facilitate construction of Structure B-30-142.
- Construction of temporary sheet piling along parcel 512.
- Removal of existing Structure B-30-72.
- Construction of Structure B-30-142.
- Removal of the temporary stream diversion.
- Replacement of existing CTH KR roadway.
- Restoration of all disturbed areas.

B Work Restrictions

Wetlands

Do not begin construction within wetland areas prior to the Section 404 permit has been approved. Verify with the engineer that the permit is approved before starting construction in affected wetland areas. Permit approval date is anticipated to be July 15, 2018,

Work Zone Ingress/Egress.

Provide engineer approved signage and for access into and out of the work zones at locations approved by the engineer.

At the weekly traffic meetings, provide an Emergency Work Zone Access Plan and required updates, as approved by the engineer, to direct emergency responders accessing a mainline median barrier restricted work zone.

Locations of work zone egress or ingress for construction vehicles, other than as the plans show, is subject to approval from the engineer. All construction vehicles shall yield to all through traffic at all locations.

Migratory Birds

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

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

Northern Long-eared Bat (*Myotis septentrionalis*)

Northern Long-eared Bats (NLEB) have the potential to inhabit the project limits because they roost in trees. Roosts have been identified within 150 feet of the project limits. The species and all active roosts are protected by the Federal Endangered Species Act. If an individual bat or active roost is encountered during construction operations, stop work and notify the engineer and the WisDOT Regional Environmental Coordinator (REC).

To avoid adverse impacts upon the NLEBs, no Clearing is allowed between June 1 and July 31, both dates inclusive.

If the required Clearing is not completed by May 31, the department will suspend all clearing and associated work directly impacted by Clearing. The department will issue a notice to proceed with Clearing and associated work directly impacted by clearing after consulting with the United States Fish and Wildlife Service (USFWS).

Submit a schedule and description of Clearing operations with the ECIP 14 days prior to any Clearing operations. The department will determine, based on schedule and scope of work, what additional erosion control measures shall be implemented prior to the start of Clearing operations, and list those additional measures in the ECIP.

Fish Spawning

There shall be no instream disturbance of the following waterways, as a result of construction activity under or for this contract, from March 1 to June 1, both dates inclusive, in order to avoid adverse impacts upon the spawning of fish.

| Project | Location | County | Structure No. |
|----------------|--|-----------------------------|----------------------|
| 2704-00-78 | Tributary No. 18 to Kilbourn Road Ditch/Wisconn Valley Way | Racine County | C-51-85 |
| 3763-03-75 | Kilbourn Road Ditch/CTH KR | Kenosha and Racine Counties | B-30-142 |

Any change to this limitation will require submitting a written request by the contractor to the engineer, subsequent review and concurrence by the Department of Natural Resources in the request, and final approval by the engineer. The approval will include all conditions to the request as mutually agreed upon by WisDOT and DNR. Regardless of timeframe, culvert pipe checks for pipes at these waterways shall be removed immediately after completion of the pipe work.

Prairie Crayfish

Crayfish may be present near the Kilbourn Road Ditch and the Tributary No. 18 to the Kilbourn Road box culvert construction. If during the course of normal work, the crayfish are observed, the contractor shall attempt to remove the crayfish from the worksite and store them in a bucket with soil and notify the engineer. The engineer will contact the DNR and they will relocate them off the project.

Temporary Stream Diversion

Immediately after the temporary diversion of waterways, engineer will contact the DNR to inspect the site. The DNR will remove, protect and store cray fish and other species left a behind in the old channel prior to any construction activities near the existing channel for the new box culvert construction.

Rusty Patched Bumble Bee (*Bombus affinis*)

The rusty patched bumble bee (*Bombus affinis*) was listed as endangered by the U.S. Fish and Wildlife Service (USFWS) under the Endangered Species Act, effective March 21, 2017. Construction activities such as grading outside the mowed shoulder area have the potential to impact ground nests and wildflowers that may serve as a food source for the bee. If an active rusty-patched bumblebee nest is encountered in construction areas, contact the WisDOT Regional Environmental Coordinator, who will coordinate with USFWS.

C Winter Maintenance.

Kenosha County will perform will perform snow removal operations for CTH KR. Provide for snow removal in those areas closed to traffic as required to facilitate safe construction operations and as required to eliminate snow melt run-off from crossing active roadways. Provide Kenosha County Highway Maintenance and Kenosha and Racine County Sheriff's Department with a 24-hour emergency contact number for when maintenance is required.

sef-999-060 (20120330)

D Enhanced Coordination

The project limits include numerous utilities that are large in size that parallel the entire length of the project limits. North of CTH KR will be under construction with expansive site development which will be adding trucking to the project limits. Time extensions will not be granted for delays incurred due to utility installation or due to providing access for site development traffic. Ensure these elements are accounted for when determining the construction schedule.

Final Completion (January 31, 2019)

Replace standard spec 108.11 paragraph (3) as follows:

The department will assess \$5,000 in daily liquidated damages. These liquidated damages reflect the cost of engineering, supervision, and a portion of road user costs.

5. Traffic.

General

The construction sequence, including the associated traffic control, shall be substantially accomplished as detailed in the Traffic Control Plans, and as described herein.

Maintain access at all times to all driveways located along within the project limits unless otherwise noted in the plans. Notify the property occupant 5 days in advance of the driveway reconstruction to verify closure or staged driveway construction methods.

Coordinate traffic requirements under this contract with other adjacent and concurrent department or local municipality projects. Implement and coordinate with other contractors all traffic control as shown on the plans. Modifications to the traffic control plan may be required by the engineer to be safe and consistent with adjacent work by others.

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

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

Wisconsin Lane Closure System Advance Notification

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

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

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

Discuss LCS completion dates and provide changes in the schedule to the engineer at weekly project meetings in order to manage closures nearing their completion date.

Notify the engineer and Construction Program Work Zone and Traffic Engineer if there are any changes in the schedule, early completions, or cancellations of scheduled work.

Staging

Perform construction operations on CTH KR in stages as shown in the traffic control/construction staging plan. The construction stages are:

CTH KR

2704-00-78

The East Frontage Road shall remain open to one lane of traffic in each direction on existing roadway. Access to all residents will be maintained.

3763-00-75

CTH KR shall be closed to through traffic. CTH KR shall be detoured for the duration of the project. Eastbound traffic shall be directed south on the East Frontage Road, east on CTH A and north on CTH H. Westbound traffic shall be directed in the reverse direction. Access shall be maintained to all residents, the FoxConn Site Development, 113th Avenue and 100th Avenue.

6. Traffic Meetings and Traffic Control Scheduling.

Every Thursday by 9:00 AM, submit a detailed proposed 2-week look-ahead traffic closure schedule to the engineer. Type the detailed proposed 2-week look-ahead closure schedule into an excel spreadsheet provided by the engineer. Enter information such as closure dates, duration, work causing the closure and detours to be used. Also enter information such as ongoing long-term closures, emergency contacts and general 2-month look-ahead closure information into the excel spreadsheet.

Meet with the engineer at 10:00 AM on Thursdays at the project field office to discuss and answer questions on the proposed schedule. Edit, delete and add closures to the detailed proposed 2-week look-ahead schedule, as directed by the engineer, so that proposed closures meet specification requirements. Other edits, deletions or additions unrelated to meeting specification requirements may also be agreed upon with the engineer during the 10:00 AM meeting.

Every Thursday at 2:00 PM, or as scheduled by the engineer, attend a weekly traffic meeting. The meeting will bring local agencies, project stakeholders, owner managers, owner engineers, contractors, document control and construction engineering personnel together to discuss traffic staging, closures and general impacts. Upon obtaining feedback from the meeting attendees, edit, delete and add information to the detailed 2-week look-ahead closure schedule, as needed. Submit the revised 2-week look-ahead to the engineer.

Obtain approval from the engineer for any mid-week changes to the closure schedule. Revise the 2-week look-ahead as required and obtain engineer approval.

sef-643-040 (20150319)

7. Holiday Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying CTH KR 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 Thursday, August 30, 2018 to 6:00 AM Tuesday, September 4, 2018 for Labor Day;
- From noon Wednesday, November 21, 2018 to 6:00 AM Monday, November 26, 2018 for Thanksgiving;
- From noon Sunday, December 23, 2018 to 6:00 AM Wednesday, December 26, 2018 for Christmas;
- From noon Monday, December 31, 2018 to 6:00 AM Wednesday, January 2, 2019 for New Year's Day.

stp-107-005 (20050502)

Holiday work restrictions do not apply to roadways or ramps already closed long term during construction as shown on the plans. New long term closures of ramps and roadways must be coordinated with the holiday work restrictions.

8. Work Restrictions.

Comply with all local ordinances that apply to local street work operations, including those pertaining to working from 9:00 PM to 7:00 AM. If required to work outside of the allowable timeframes, furnish any ordinance variance or required permits to the engineer in writing 3 days before performing this work. Do not perform any work that violates local ordinance prior to obtaining written approval from the engineer.

9. Utilities.

This contract does not come under the provision of Wisconsin Administrative Code Ch. Trans 220.

Project 2704-00-78

There are no known existing utility facilities within the project limits.

Additional information regarding the proposed installation of utility facilities by We Energies - Gas may be available on permits required by the utility company. These permits, if available, can be viewed at the Region Office during normal working hours. Contact Andy Doerflinger, (414) 944-5758 office, (262) 939-5601 cell, of We Energies prior to preparing bids to obtain current information on the status of proposed utility work.

Prior to preparing bids, contact WisDOT SE Freeways Utility Coordinator Greg Berry at (414) 750-7828.

Project 3763-00-75

Additional information regarding proposed and/or recently relocated utility facilities may be available on permits issued to the utility companies. These permits can be viewed at the Kenosha County Center during normal working hours. Contact Director of Kenosha County Highways Clement Abongwa at (262) 857-1872 for further information.

There may be discontinued utility facilities within the project limits.

AT&T Wisconsin has existing overhead communications facilities within the project limits on We Energies poles beginning beyond the westerly project limits and running easterly along a line 6' north and parallel to the southerly CTH KR right-of-way to beyond the easterly project limits. Prior to and during construction, AT&T Wisconsin will relocate this line to reconstructed We Energies' poles between the IH 94 East Frontage Road and CTH H upon completion of Charter Communications' relocations as described below. Allow 10 days for AT&T Wisconsin to perform relocations within the project limits.

Contact Mark Eder, (262) 896-7434, of AT&T Wisconsin 7 days in advance to coordinate locations and any excavation near their facilities.

Charter Communications has existing overhead communications facilities within the project limits on We Energies poles beginning beyond the westerly project limits and running easterly along a line 6' north and parallel to the southerly CTH KR right-of-way to beyond the easterly project limits. Prior to and during construction, Charter Communications will relocate this line to We Energies' poles between the IH 94 East Frontage Road and CTH H upon completion of We Energies reconstruction as described below. Allow 10 days for Charter Communications to perform their relocations within the project limits.

Contact Pete Kruzela, (414) 908-1339 office, (414) 688-5376 cell, of Charter Communications 7 days in advance to coordinate locations and any excavation near their facilities.

We Energies – Electric has an existing overhead electric line within the project limits beginning beyond the westerly project limits and running easterly along a line 6' north and parallel to the southerly CTH KR right-of-way to beyond the easterly project limits.

Prior and during construction, We Energies will reconstruct this pole line in its current location between the IH 94 East Frontage Road and CTH H near the southerly right-of-way of CTH KR. Allow 30 days for We Energies to perform their reconstruction within the project limits.

The existing power poles and are wires are to remain in place. The existing clearance from the ground to the power line is approximately 14'-6".

Contact Andy Doerflinger, (414) 944-5758 office, (262) 939-5601 cell, of We Energies 7 days in advance to coordinate locations and any excavation near their facilities.

We Energies – Gas has an existing gas line within the project limits beginning beyond the westerly project limits and running easterly along a line 2' north and parallel to the southerly CTH KR right-of-way to beyond the easterly project limits. We Energies will discontinue this existing line in place within the project limits prior to construction.

During construction, We Energies will bore new underground gas lines below the box culvert in the following locations:

- A new low-pressure gas line beginning beyond the westerly project limits and running easterly along a line 16' north of and parallel to the southerly CTH KR right-of-way to beyond the easterly project limits. Allow 30 days for We Energies to construct the new low-pressure gas line within the project limits.
- A new high-pressure gas line beginning beyond the westerly project limits and running easterly along a line 52.5' south of and parallel to the proposed northerly CTH KR right-of-way to beyond the easterly project limits. Allow 30 days for We Energies to construct the new high-pressure gas line within the project limits.

Contact Andy Doerflinger (414) 944-5758 office, (262) 939-5601 cell, of We Energies 7 days in advance to coordinate locations and any excavation near their facilities.

10. Other Contracts.

Modifications to the traffic control plan may be required by the engineer to be safe and consistent with adjacent work by others.

It is expected that routine maintenance by the city and county personnel may be required at certain times concurrently with the work being done under this contract.

The following contracts are anticipated to be under construction within the time period of this contract, unless otherwise indicated:

2018

IH 94 N-S CTH K Cross Road Reconstruction

ID 1030-11-71, CTH K Interchange Cross Road

IH 94 N-S Frontage Road Construction Contract

ID 1030-24-77 and 1030-24-78, CTH KR to STH 11 East and West Frontage Road

ID 1030-24-70 and 1030-24-74, STH 11 Interchange East and West Frontage Road

ID 1033-02-77 and 1033-02-78, STH 11 to STH 20 East and West Frontage Road

IH 94 N-S Freeway Mainline Work Zone Prep

ID 1035-04-71, STH 142 to CTH G, Kenosha and Racine County

Reconstruction

ID 2340-00-76, STH 20 Intersection with CTH C

Roadway Rehabilitations

ID 2250-16-70, STH 20, IH 94 to CTH H

ID 3765-04-70, CTH A, East Frontage Road to CTH H

ID 3723-01-70, CTH H, CTH A to CTH KR

ID 2818-00-73, CTH H, CTH KR to STH 20

2018 -2019

IH 94 N-S Freeway Mainline Construction STH 20 to CTH G Contract:

ID 1030-11-72, CTH K Mainline and Ramps

ID 1030-11-79, STH 20 to CTH K Mainline (North)

ID 1030-11-80, STH 20 to CTH K Mainline (South)

ID 1030-25-79, CTH K to CTH G Mainline

2018 - 2020

IH 94 N-S Freeway Mainline construction CTH G to College Ave Contract:

ID 1035-01-79, IH 94 N-S Freeway, CTH G to 7 Mile Road

ID 1035-01-72, IH 94 N-S Freeway, 7 Mile Road Interchange, 7 Mile Road

ID 1035-01-74, IH 94 N-S Freeway, 7 Mile Road Interchange, Mainline and Ramps

ID 1035-01-82, IH 94 N-S Freeway, 7 Mile Road to Milwaukee County Line

ID 1030-20-87, IH 94 N-S Freeway, County Line to Oakwood Rd, Elm Rd Interchange

ID 1030-20-84, IH 94 N-S Freeway, Oakwood Rd to College Ave

2018-2021

Development Roads

ID 3763-00-78, CTH KR, East Frontage Road to CTH H (2019)

ID 1320-23-70, STH 11, 56th Road to CTH H (2019 - 2021)

ID 2704-09-70, Braun Road, IH 94 to 90th Street (2018 - 2019)

ID 2704-00-75, International Drive, STH 11 to STH 20 (2018 - 2019)

ID 2704-00-76, Wisconn Valley Way, CTH KR to STH 11 (2019)

ID 3760-00-70, CTH H, CTH KR to STH 11 (2020)

11. Information to Bidders, WPDES General Construction Storm Water Discharge Permit.

The department has obtained coverage through the Wisconsin Department of Natural Resources to discharge storm water associated with land disturbing construction activities of this contract under the Wisconsin Pollutant Discharge Elimination System General Construction Storm Water Discharge Permit (WPDES Permit No. WI-S066796-1). A certificate of permit coverage is available from the regional office by contacting Steve Hoff at (262) 548-6718. Post the permit in a conspicuous place at the construction site.

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

The department is obtaining a U.S. Army Corps of Engineers Section 404 permit. Comply with the requirements of the permit in addition to requirements of the special provisions. A copy of the permit application is available from the regional office by contacting Laci Kazan at (414) 322-1429.

13. Environmental Protection, Aquatic Invasive Species Control.

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

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

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

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

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

14. Erosion Control

Add the following to standard spec 107.20:

Erosion control best management practices (BMP's) the plans show are at suggested locations. The actual locations shall be determined by the contractor's ECIP and approved by the engineer. Include each dewatering (mechanical pumping) operation in the ECIP submittal. The ECIP shall supplement information the plans show and not reproduce it. The ECIP shall identify how to implement the project's erosion control plan. ECIP shall demonstrate timely and diligently staged operations, continuing all construction operations methodically from the initial removals and topsoil stripping operations through the subsequent grading, paving, and re-application of top soil to minimize the exposure to possible erosion.

Provide the ECIP 14 days before the pre-construction conference. Provide 1 copy of the ECIP to the department and 1 copy of the ECIP to the WDNR Liaison Kristina Betzold, (414) 263-8517, Kristina.betzold@wisconsin.gov. Do not implement the ECIP until department approval, and perform all work conforming to the approved ECIP.

Maintain Erosion Control BMP's until permanent vegetation is established or until the engineer determines that the BMP is no longer required.

Stockpile excess materials or spoils on upland areas away from wetlands, floodplains, and waterways. Install perimeter silt fence protection around stockpiles within a timeframe acceptable to the engineer. If stockpiled materials will be left for more than 14 days, install temporary seed and mulch or other temporary erosion control measures the engineer orders.

Re-apply topsoil on graded areas, as designated by the engineer, within a timeframe acceptable to the engineer after grading is completed within those areas. Seed, fertilize, and mulch/erosion mat top-soiled areas, as designated by the engineer, within 5 days after placement of topsoil. If graded areas are left not completed and exposed for more than 14 days, seed those areas with temporary seed and mulch.

Do not allow excavation for; structures, utilities, grading, maintaining drainage that requires dewatering (mechanical pumping) of water containing sediments (sand, silt, and clay particles) to leave the work site or discharge to a storm water conveyance system without sediment removal treatment. Before each dewatering operation, submit to the department a separate ECIP amendment describing in words and pictorial format an appropriate BMP for sediment removal, conforming to WisDNR Storm Water Construction Technical Standard, Code 1061, Dewatering. Include reasoning, location, and schedule duration proposed for each operation. Per Code 1061, include all selection criteria: site assessment, dewatering practice selection, calculations, plans, specifications, operations, maintenance, and location of proposed treated water discharge. Provide a stabilized discharge area. If directing discharge towards or into an inlet structure, provide additional inlet protection for back-up protection.

All dewatering, including treatment to remove suspended solids, not covered under bid items is incidental to the contract.

sef-107-010 (20171004)

The project team may identify 'sensitive' areas in the field that require additional temporary stabilization to protect resources from being contaminated by sediment-laden water discharging from the work site. Any 'release' of sediment-laden water from the work site that enters a wetland or waterway should be reported to the WDNR liaison within 24 hours.

The contractor shall restrict the removal of vegetative cover and exposure of bare ground to the minimum amounts necessary to complete construction. Restoration of disturbed soils shall take place as soon as conditions permit. If sufficient vegetative cover will not be achieved because of late season construction, the site must be properly winterized. A plan for 'over-wintering' the project or a specific project area should be compiled and submitted to the project staff and WDNR for review in an amendment to the ECIP.

The DOT Select Site process must be adhered to for clean fill or any other material that leaves the work site. The project staff and the WDNR liaison will review all proposed select sites and a site visit may be required. Filling of wetlands, waterways or floodplain is not allowed under the select site process, unless the site owner has proof of required local/state/federal permits. No new impermeable surfaces can be left at a select site (including gravel roads or pads), unless the site owner attains required permits. Contaminated materials leaving the site need to adhere to the Hazardous Material Management Plan.

Construction materials and debris, including fuels, oil, and other liquid substances, shall not be stored in the construction area in a manner that would allow them to enter a wetland or waterbody as a result of spillage, natural runoff, or flooding. If a spill of any potential pollutant should occur, it is the responsibility of the permittee to remove such material, to minimize any contamination resulting from this spill, and to immediately notify the State Duty Officer at 1 (800) 943-0003.

Construction of structures over navigable waterways shall be completed as quickly as possible in order to minimize disruption. Construction shall minimize the removal of shoreline vegetation below the ordinary high water mark (OHWM), unless otherwise directed by the WDNR Transportation Liaison. Construction equipment shall not operate on the bed of the stream or below the OHWM, except for that which is necessary for the placement of the structure. The contractor must provide a means of separating the live flow channel of the waterway from disturbed areas (cofferdam, turbidity barrier, etc.). Any plan for diverting the flow of a navigable waterway (listed under Fish Spawning provision) needs to be submitted,

reviewed and approved by the project staff and the WDNR liaison according to the article Temporary Water Diversion Culvert B-30-142.

If erosion mat is used along stream banks, DNR recommends that biodegradable non-netted mat be used (e.g. Class I Type A Urban, Class I Type B Urban, or Class II Type C). Long-term netted mats may cause animals to become entrapped while moving in and out of the stream. Avoid the use of fine mesh matting that is tied or bonded at the mesh intersection such that the openings in the mesh are fixed in size.

When performing concrete or asphalt sawcutting operations, the slurry shall be squeegeed off to the shoulder gravel or shoveled into the gravel behind curbs and not allowed into storm sewers, ditches, waterways or wetlands.

15. Hauling Restrictions.

Replace standard spec 107.2 with the following:

Approved local street haul routes are shown in the plan.

If additional haul routes are needed that are not shown in the plan, or part of the state trunk highway system, present a proposed haul route plan detailing any additional haul routes five business days in advance of any proposed hauling to the department. Include the months, days of the week, time of day, number of trucks, types of trucks and maximum loads of trucks anticipated to accomplish the project work in the additional haul route submittal.

The department will review the submittal and either approve or provide a letter with comments and proposed revisions to the contractor within five business days of its receipt. If approved, the department will subsequently survey the existing condition of that haul route to establish a baseline for assessing damage that the contractor's hauling operations might cause.

At all times, conduct operations in a manner that will cause a minimum of disruption to traffic on existing roads.

16. Notice to Contractor – Personnel Identification Program.

All contractor personnel will be required to register in the program prior to performing work. Valid photo identification which includes unexpired driver's license, government issued identification cards, military identification, passport, or other identification approved by the department will be required to register. All personnel registered will be issued a hard sticker with an identification number by the department. Stickers shall be placed in a visible location on the hard hat.

Noncompliance with this contract provision may result in removal of contractor personnel from the project or suspension of work according to Wisconsin Department of Transportation standard spec 108.6 applicable under the contract.

17. Notice to Contractor – Media Relations.

- a) The contractor shall not disseminate or publicize this Agreement, information relating to this Agreement, their work responsibilities, or generally comment about the entire project without prior written consent from one of the department's designated Project Communications Leaders listed under Section (d).
- b) The contractor shall refer all information requests or interview requests made by external parties, including media sources, to all of the department's designated Project Communications Leaders listed under Section (d).
- c) The contractor agrees to coordinate with the department as to the form, content and timing of any public announcement of this Agreement.
- d) The Project Communications Leaders for the department shall be:

- i. Department's Project Manager
- ii. Becky Kikkert
4802 Sheboygan Avenue
Madison, WI 53705
Phone: (608) 266-3581
Email: rebecca.kikkert@dot.wi.gov

iii. Michael Pyritz
141 NW Barstow Street
P.O. Box 798
Waukesha, WI 53188
Phone: (262) 521-5373
[Email: michael.pyritz@dot.wi.gov](mailto:michael.pyritz@dot.wi.gov)

- e) Noncompliance with this contract provision may result in removal of contractor personnel from the project or suspension of work according to Wisconsin Department of Transportation Standard Specification 108.6 applicable under the contract.
- f) Notwithstanding anything to the contrary contained herein, no provision of this Agreement shall be interpreted to impede the contractor, or any individual, from reporting possible violations of state or federal law to any governmental agency or entity, or from making other disclosures under the whistleblower provisions of state or federal law. The contractor does not need the prior authorization of the department to make any such reports or disclosures and the contractor shall not be required to notify the department that such reports or disclosures have been made.

18. Notice to Contractor- Safety

All workers shall wear OSHA and ANSI compliant safety head protection, safety glasses, safety-toe protective footwear, and safety vest at all times while within the project footprint.

The contractor and respective subcontractors shall provide a copy of their current Company Safety Plans to the department at the preconstruction meeting. All workers shall comply with the Safety Plans of their employer.

Noncompliance with this contract provision may result in removal of contractor personnel from the project or suspension of work according to Wisconsin Department of Transportation standard spec 108.6 applicable under the contract.

19. Notice to Contractor – Airport Operating Restrictions.

The Federal Aviation Administration (FAA) has height restrictions surrounding select airports. The department is obtaining Temporary Determination of No Hazard to Air Navigation for all temporary structure (i.e. crane) erections associated with bridge and retaining wall construction for the project. These Determinations are anticipated to be received by August 1, 2018. Once received, copies of the Determinations can be obtained through the engineer.

The Determinations are anticipated to include conditions such as red obstruction lights and orange/white checkered flags on cranes, as well as lowering the cranes to the ground when not in use and during the hours between sunset and sunrise.

Notify the manager of the applicable airport at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site. Contact the airport owner to disseminate a Notice to Airmen (NOTAM) when cranes are in use and construction is occurring.

Include dust control provisions near airports in the Dust Control Implementation Plan.

Any failure or malfunction that lasts more than 30 minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

Any height exceeding the above ground level (AGL) or above mean sea level (AMSL) in the Determinations will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

The Determinations will expire unless extended, revised or terminated by the issuing office. Contractor must request an extension of the effective period of the determination to be postmarked or delivered by the contractor at least 30 days prior to the expiration date to:

Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Once the Determinations are received, for questions on extensions to the effective period of the determinations, contact the FAA office at (847) 294-7575 and reference the Aeronautical Study Number.

Any changes in coordinates and/or heights will void the Determinations. Any future construction or alteration, including increase to heights, requires separate notice to the FAA.

Determinations include temporary construction equipment such as cranes, derricks, and other equipment, which may be used during actual construction of a structure. Equipment shall not exceed the overall heights as indicated above. Contractor must request separate notice to the FAA if equipment has a height greater than the studied structure.

Contractor must copy the engineer on any correspondence with the FAA as it relates to time extensions and new/revised Determinations.

A Determination concerns the effect of temporary structures on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If drainage or pond designs need to be modified in the field, contact WisDOT Bureau of Aeronautics (Levi Eastlick, Levi.Eastlick@dot.wi.gov, 608-267-5018 or Matt Malicki, Matthew.Malicki@dot.wi.gov, (608) 267-5273, to obtain input on minimizing wildlife attractants for the modified designs.

20. Public Involvement Meetings.

Participate in department-sponsored public involvement meetings as the engineer requests. Ensure that representatives of subcontractors also participate in those meetings if the engineer requests.

sef-999-040 (20160915)

21. Material and Equipment Staging.

Submit a map showing all proposed material stockpile or equipment storage locations to the engineer 14 days before either preconstruction or proposed use, whichever comes first. Identify the specific purposes for the location. Obtain written permits from the property owner, and submit two copies to the engineer before use. Do not stockpile or store materials or equipment on wetlands.

sef-999-020 (20170310)

Material and staging areas off the project limits shall be included in the ECIP for review.

22. Contractor Notification.

Replace standard spec 104.2.2.2(2) with the following:

If the contractor discovers the differing condition, provide a written notice, as specified in standard spec 104.3.3, of the specific differing condition before further disturbing the site and before further performing the affected work.

104.3.2 (Vacant)

104.3.3 Contractor Initial Written Notice

Replace standard spec 104.3.2 and 104.3.3 with the following:

If required by 104.2, or if the contractor believes that the department's action, the department's lack of action, or some other situation results in or necessitates a contract revision, promptly provide a written notice to the engineer. At a minimum, provide the following:

- a) A written description of the nature of the issue.
- b) The time and date of discovering the problem or issue.
- c) If appropriate, the location of the issue.

Provide the additional information specified in standard spec 104.3.5 as early as possible to assist the engineer in the timely resolution of an identified issue. The engineer will not require, in subsequent submissions, duplication of information already provided.

sef-104-005 (20141211)

23. Available Documents.

The department will make its information available to bidding contractors. The list of documents that are available for contractors' information includes:

- Design Study Report
- Pavement Type Selection Report
- Environmental Document
- Preconstruction survey
- Traffic Management Plan

These documents are available from Steve Hoff at 141 NW Barstow Street, Waukesha, WI 53187, (262) 548-6718

Reproduction costs will be applied to all copies requested.

sef-102-005 (20170310)

24. Contractor Document Submittals.

This special provision describes minimum requirements for submitting project documents to the department. This special provision does not apply to shop drawing submittals.

Provide one electronic copy of all documents requiring department review, acceptance, or approval. Attach a completed engineer-provided transmittal sheet to each email submittal. The department will reject submittals with incomplete transmittal sheets and require re-submittal.

The department will return one reviewed, accepted, or approved original to the contractor. Additional return originals can be requested. Submit an additional original for each additional return original requested.

Submit electronic copies in Portable Document Format (PDF) to the engineer-designated folder within the department's SharePoint site, and send alerts with a link to the document via email to (an) account(s) the engineer determines. If possible, translate original documents from their native format (e.g. Word, Excel, AutoCAD, etc.) using a Portable Document Format translation routine. Scan other documents to PDF format with a minimum resolution of 600 dpi.

All costs for contractor document submittals are incidental to the contract.

sef-105-010 (20150619)

25. Geotechnical Investigation Information.

Replace standard spec 102.5(3) 2 with the following:

Available information relative to subsurface exploration, borings, soundings, water levels, elevations or profiles are available for review at the department's Regions office. Contact Steve Hoff, 141 NW Barstow Street, Waukesha, WI 53187, (262) 548-6718.

Review the available information to determine if it is of use. The use or not of the geotechnical information does not relieve performing the work conforming to the plans and specifications.

26. CPM Progress Schedule.

Replace standard spec 108.4.4.1 with the following:

- (1) Submit a CPM Progress Schedule and updates.
- (2) To ensure compatibility with the Master Program Schedule, use the latest version of Primavera P6 Project Management, by Oracle Corporation, Redwood Shores, CA, to prepare the Initial CPM Progress Schedule, Monthly CPM Progress Updates and other CPM Progress Revisions requested by the engineer.
- (3) Within five business days after award, the department will provide its current standard Work Breakdown Structure and activity codes to use to develop the Initial CPM Progress Schedule.

- (4) Designate a Project Scheduler who will be responsible for scheduling the Work and submit a professional resume describing a minimum of three years of scheduling experience on interstate-highway reconstruction work of similar size and complexity, including recent experience with P6. Obtain approval of the submitted resume before scheduling the work.

Replace standard spec 108.4.4.4(2) with the following:

- (2) For each schedule update, submit electronic copies in an approved format and updated PDF printouts of the following:
1. Tabular sorts by:
 - Activity Identification/Early Start.
 - Total Float.
 2. If applicable, an updated logic diagram as the engineer requires.
 3. If augmenting the CPM schedule with a linear schedule, provide an update of the linear schedule.
 4. Activities underway and as-built dates for the past month.
 5. Agreement on the as-built dates with the department depicted in the Monthly CPM Progress Schedule Update. Document all disagreements. Use the as-built dates from the Monthly CPM Progress Schedule Update for the month when updating the CPM schedule.
 6. Actual as-built dates for completed activities through final acceptance of the project.

sef-108-010 (20171004)

27. Dust Control Implementation Plan.

A Description

This special provision describes developing, updating, and implementing a detailed Dust Control Implementation Plan (DCIP) for all land-disturbing construction activities and associated impacts both within the project site boundaries and outside the project site boundaries. Incorporate contract bid items that this article specifies into the DCIP.

B (Vacant)

C Construction

C.1 General

Control dust on the project as specified in standard spec 107.18. Minimize dust emissions resulting from land disturbing activities. Do not generate excessive air borne particulate matter (PM) or nuisance dust conditions. Control dust at all times during the contract.

Submit a DCIP to the engineer and WDNR Liaison for review at least 14 calendar days before the preconstruction conference. Coordinate with the department, if requested, to resolve DCIP related issues before the preconstruction conference. The department will either approve the DCIP or request revisions. Do not initiate land-disturbing activities without the department's approval of the DCIP.

C.2 DCIP Contents

Develop a DCIP tailored to the specific needs of the project. Consider potential impacts to businesses and residences adjacent to the job site. Describe in detail all land disturbing, dust generating activities. Identify strategies to prevent, mitigate, and collect excess dust. Establish clear lines of communication with the engineer to ensure that all dust control issues can be dealt with promptly.

Include all of the following:

1. A single contact person with overall responsibility for the DCIP development as well as surveillance and remediation of job related dust. Provide:
 - Name, firm, address, and working-hours phone number.
 - Non-working-hours phone number.
 - Email address.
2. A site map locating project features, the job site boundaries, all ingress and egress points, air intakes and other dust-sensitive areas, and all public and private paved surfaces within and adjacent to the job site. Show where specific land disturbing, dust generating activities will occur and, to the extent possible, where employing various dust control or prevention strategies.

3. A matrix, or plan, for each anticipated land disturbing, dust generating activity, showing the following:
 - Preventive measures that shall be employed.
 - The applicable contact person.
 - The contractor's timetable and surveillance measures used to determine when remediation is required.
 - The specific dust control and remediation measures that shall be employed. Identify the specific contract bid items that shall be used for payment. Indicate costs and practices that are incidental to the contract.
 - Both maintenance and cleanup schedules and procedures.
 - Excess and waste materials disposal strategy.
4. A description of monitoring and resolving off-site impacts.

C.3 Updating the DCIP

Update the DCIP during the contract or as the engineer directs. Obtain the engineer's approval for all DCIP alterations. Also obtain the engineer's approval for routine DCIP adjustments for weather, job conditions, or emergencies that will have an impact on payment under the bid items listed in the approved DCIP.

C.4 Dust Control Deficiencies

Coordinate with engineer to determine deadlines for resolving dust control deficiencies. Deficiencies include actions or lack of actions resulting in excessive dust, non-compliance with the contractor's DCIP or associated special provisions, and not properly maintaining equipment.

D Measurement

The department will measure the various bid items associated with dust control as specified in the applicable measurement subsections of either the standard specs or other contract special provisions. The department will not measure work performed under a DCIP alteration unless the engineer specifically approves that alteration.

Measurement under the DCIP includes the contract bid items listed in this special provision:

| | |
|----------|--------------------------------|
| 623.0200 | Dust Control Surface Treatment |
| 624.0100 | Water |
| 628.7560 | Tracking Pads |

The department will measure work completed under other existing contract bid items if approved as a part of the DCIP. The department will consider new bid items to the contract if proposed under the DCIP. The department will not measure work required under the DCIP that is not included in contract bid items.

E Payment

All costs associated with the development and updating of the DCIP are incidental to the contract. The department will pay separately for the work required to implement the actions approved in the DCIP under the contract bid items approved as a part of the DCIP. All other costs associated with work approved under the DCIP are incidental to the contract.

sef-107-005 (20170323)

28. Program Partnering Meetings Monthly.

A Description

The department will implement mandatory facilitated monthly program partnering meetings involving various stakeholders in and around the Foxconn development site corridor. The meetings will involve leadership staff from the following entities: contractor, department, adjacent site development, utilities, local officials, other state and local agencies and adjacent department contracts. The meetings will occur monthly from project start until the contractor accepts the tentative final estimate. The department may invite other attendees if deemed appropriate.

This meeting is intended to facilitate cooperation and coordination of construction activities within and surrounding the Foxconn development site corridor. Meeting topics may include, but are not limited to:

- Schedule updates
- Hauling coordination
- Site development access
- Public/private project interface issues
- Utility progress
- Safety
- Local official concerns
- Public outreach
- Traffic management
- Environmental protection
- Workforce/Business Inclusion

All costs are incidental to the contract work.

29. Partnering Meetings Monthly.

A Description

The department will implement mandatory monthly leadership partnering meetings. Unless the department and contractor agree otherwise, the contractor, project design engineers, and department field personal shall meet monthly from project start until the contractor accepts the tentative final estimate. The contractor and department field personal may mutually agree to invite other attendees.

This meeting is intended to facilitate a cooperative team environment that defines roles and responsibilities, determines common goals and objectives, and provides a platform to build trust and accountability. Meeting topics may include:

- Issue and risk management
- Dispute resolution procedures
- Safety
- Public outreach
- Traffic management
- Cost reducing incentives
- Claim resolution
- Scheduling issues
- Quality control

All costs are incidental to the contract work.

sef-108-040 (20171004)

30. Project Site Air Quality

Because fine particulate matter levels for Racine County are typically close to PM_{2.5} limits and the project is in a non-attainment area for the federal 8-hour ozone standard, contributions from construction activities can have a major impact well beyond the project limits. Take practical measures to mitigate the impact of operating construction equipment on the air quality in and around the project site.

Voluntarily establishing the staging zones for trucks waiting to load and unload is encouraged by the department. Locate staging zones where idling of diesel powered equipment will have minimal impact on abutting properties and the general public. The department will make signs available to help identify these zones. Have truckers queue up in these zones whenever it is practical. The department further encourages drivers to shut down diesel trucks as soon as it appears likely that they will be queued up for more than ten minutes. Notify employees and sub-contractors about fueling and engine idling.

Portable Concrete Crusher Plants

Portable concrete crusher plants need a NR 440 Concrete Crusher Plant Air Permit for air emissions. Please contact Wisconsin Department of Natural Resources to request additional information and permit application materials. Complete permit applications may take three months to process.

sef-999-039 (20160929)

31. Construction Over or Adjacent to Navigable Waters.

Add the following to standard spec 107.19:

The waterways at the following locations are classified as navigable waterways.

| Project | Location | County | Structure No. |
|------------|---|---------------------------|---------------|
| 2704-00-78 | Wisconn Valley Way Over Tributary No. 18 to Kilbourn Road Ditch | Racine County | C-51-85 |
| 3763-03-75 | CTH KR Over Kilbourn Road Ditch | Kenosha and Racine County | B-30-142 |

stp-107-060 (20150630)

32. Maintaining Drainage.

Maintain drainage at and through worksite during construction conforming to standard spec 107.22, 204, 205 and 520.

Use existing storm sewers, existing culvert pipes, existing drainage channels, temporary culvert pipes, or temporary drainage channels to maintain existing surface and pipe drainage. Pumps may be required to drain the surface, pipe, and structure discharges during construction. Costs for furnishing, operating, and maintaining the pumps is considered incidental to the project.

Dewatering (Mechanical Pumping) for Bypass Water (sediment-free) Operations

If dewatering bypass operations are required from one pipe structure to another downstream pipe structure or from the upstream to downstream end of a culvert and the bypass flow is not transporting sediments (sand, silt, and clay particles) from a tributary work site area, bypass pumping operations will be allowed provided that the department has been made aware of and approves operation. When pumping bypass flows, the discharge location will need to be stable and not produce erosion from the discharge velocity that would cause release of sediment downstream.

Dewatering (Mechanical Pumping) for treatment Water (sediment-laden) Operations

If dewatering operations require pumping of water containing sediments (sand, silt, and clay particles), the discharge will not be allowed to leave the work site or discharge to a storm water conveyance system without sediment removal treatment. Refer to article Erosion Control in these special provisions for additional requirements.

sef-107-016 (20170310)

33. Subletting the Contract.

Replace standard spec 108.1.1 (3) with the following:

If proposing to have a party other than a subcontractor perform work, notify the engineer and submit details of this arrangement in writing. The engineer will determine if that arrangement constitutes subcontracting. Submit copies of all other agreements between any parties regarding the performance of work under the contract with the Request to Sublet.

sef-108-035 (20171004)

34. Pay Plan Quantity.

Replace standard spec 109.1.1.2.3 with the following:

The engineer may issue a change order under standard spec 104.2 if the engineer or contractor believes that the quantity shown in the schedule of items varies significantly from the work required in the contract or a quantity discrepancy significantly changes the character of the work.

35. Coordination with Businesses and Residents.

The contractor shall arrange and conduct a meeting between the contractor, the department, affected residents, local officials and business people to discuss the project schedule of operations including vehicular and pedestrian access during construction operations. Hold the first meeting at least one week prior to the start of work under this contract and hold one meeting per month thereafter. The contractor shall arrange for a suitable location for the meeting(s) that provides reasonable accommodation for public involvement. The department will prepare and coordinate publication of the meeting notices and mailings for the meeting(s). The contractor shall schedule the meeting(s) with at least 2 weeks' prior notice to the engineer to allow for these notifications.

stp-108-060 (20141107)

36. Force Account.

Supplement standard spec 109.4.5.1 (3)1 with the following:

Include accumulation of wages to date for each employee performing force account work and identify allowable Federal Unemployment Tax (FUTA) and State Unemployment Tax (SUTA) multipliers.

sef-109-005 (20141211)

37. Clearing and Grubbing, Emerald Ash Borer.

This applies to projects in the emerald ash borer (EAB) quarantined zones to include: Adams, Brown, Buffalo, Calumet, Columbia, Crawford, Dane, Dodge, Door, Douglas, Fond du Lac, Grant, Green, Iowa, Jackson, Jefferson, Juneau, Kenosha, Kewaunee, La Crosse, Lafayette, Manitowoc, Marquette, Milwaukee, Monroe, Oneida, Outagamie, Ozaukee, Portage, Racine, Richland, Rock, Sauk, Sheboygan, Trempealeau, Vernon, Walworth, Washington, Waukesha, Winnebago and Wood counties.

Supplement standard spec 201.3 with the following:

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

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

- a) Green ash (*F. pennsylvanica*) is found throughout the state, but is most common in southern Wisconsin. It may form pure stands or grow in association with black ash, red maple, swamp white oak, and elm. It grows as an associate in upland hardwood stands, but is most common in and around stream banks, floodplains, and swamps.
- b) Black ash (*F. nigra*) is distributed over the entire state but is most frequently found in northern Wisconsin. It is most common in swamps, but is also found in other wet forest types.
- c) Blue ash (*F. quadrangulata*) is a threatened species that is currently found only at a few sites in Waukesha County. The species is at the edge of its range in Wisconsin, but is common in states farther south. The species is not of commercial importance. Blue ash twigs are 4-sided.
- d) White ash (*F. americana*) tends to occur primarily in upland forests, often with *Acer saccharum*.

The quarantine of ash trees includes all horticultural cultivars of the species listed above.

Note that blue ash twigs are 4-sided. All other Wisconsin ash trees have round stems. Also, Mountain ash (*Sorbus americana* and *S. decora*) is not a true ash and is not susceptible to EAB infestation.

The contractor shall be responsible for hiring a certified arborist to identify all ash trees that will be cleared and grubbed for the project. In addition, prior to scheduled clearing and grubbing activities, the arborist shall mark all ash trees with florescent lime flagging tied around the trunk perimeter.

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

ATCP 21.17 Emerald ash borer; import controls and quarantine.

(1) Importing or Moving Regulated Items from Infested Areas; Prohibition.

Except as provided in subparagraph (3), no person may do any of the following:

- a) Import a regulated item under sub. (2) into this state if that item originates from an emerald ash borer regulated area identified in 7CFR 301.53-3.
- b) Move any regulated item under sub. (2) out of an emerald ash borer regulated area that is identified in 7CFR 301.53-3 and located in this state.

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

(2) Regulated Items. The following are regulated items for purposes of subparagraph

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

(3) Inspected and Certified Items; Exemption.

Subsection (1) does not prohibit the shipment of a regulated item if a pest control official in the state or province of origin does all of the following:

- a) Inspects the regulated item.
- b) Certifies any of the following in a certificate that accompanies the shipment:
 - 1. The regulated item originates from non-infested premises and has not been exposed to emerald ash borer.
 - 2. The regulated item was found, at the time of inspection, to be free of emerald ash borer.
 - 3. The regulated item has been effectively treated to destroy emerald ash borer. The certificate shall specify the date and method of treatment.
 - 4. The regulated item is produced, processed, stored, handled or used under conditions, described in the certificate, that effectively preclude the transmission of emerald ash borer.

Regulatory Considerations

- a) The quarantine means that ash wood products may not be transported out of the quarantined area.
- b) Clearing and grubbing includes all ash trees that are to be removed from within the project footprint. If ash trees are identified within clearing and grubbing limits of the project, the following measures are required for the disposal:

Chipped Ash Trees

- a) May be left on site if used as landscape mulch within the project limits. If used as mulch on site, chips may not be applied at a depth greater than standard mulch applications as this will impede germination of seeded areas.
- b) May be buried on site within the right-of-way according to standard spec 201.3 (14).
- c) May be buried on adjacent properties to projects within the quarantined zone with prior approval of the engineer according to standard spec 201.3 (15).
- d) May be trucked to a licensed landfill within the quarantined zone with the engineer's approval according to standard spec 201.3 (15).
- e) Burning chips is optional if in compliance with standard spec 201.3.

- f) Chips must be disposed of immediately if not used for project mulching and may not be stockpiled and left on site for potential transport by others. Chips may be stockpiled temporarily if they will be used for project mulching and are not readily accessible to the public.
- g) Chipper equipment must be cleaned following post-chipping activities to ensure no spread of wood chip debris into non-quarantined counties.

Ash logs, Branches, and Roots

- a) May be buried without chipping within the existing right-of-way or on adjacent properties according to standard spec 201.3 (14)(15).
- b) May be trucked to a licensed landfill within the quarantined zone with the engineer's approval according to standard spec 201.3 (15).
- c) Burning is optional if in compliance with standard spec 201.3.
- d) Ash logs, branches, and roots must be disposed of immediately and may not stockpiled.
- e) All additional costs will be incidental to clearing and grubbing items.
- f) Do not bury or use mulch in an area that will be disturbed again during later phases of the project.
- g) Anyone moving firewood or ash products from the state or these counties is subject to state and federal fines up to \$1,000.00. All fines are the responsibility of the contractor. Obtain updated quarantine information at the DNR Firewood Information Line at 1-800-303-WOOD.

Furnishing and Planting Plant Materials

Supplement standard spec 632.2.2 with the following:

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

Updates for Compliance

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

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

Regulated Items

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

SER-201.1 (20160808)

38. Removing or Abandoning Miscellaneous Structures.

Replace standard spec 204.5.1(3) with the following:

When backfilling with Backfill Granular as specified in this special provision article or as directed by the engineer, the item Backfill Granular is considered incidental to the appropriate bid item.

At locations where Backfill Granular is not specified, contractor may choose to use either Backfill or Backfill Granular, and no separate payments will be made for using Backfill Granular.

Supplement standard spec 204.3.2.2 with the following:

Backfill existing storm sewer or existing storm sewer structure locations shown for removal or abandonment outside the new traveled way with native backfill immediately after completing the sewer work. Backfill according to standard spec 209 within the traveled way.

All backfill, including native material, provided for removal or abandonment of existing storm sewer structures and pipes is considered incidental to the appropriate bid item.

SEF Rev. 14_1215

39. Removing Drain Tile, Item 204.9090.S.001.

A Description

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

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Drain Tile by the linear feet, acceptably completed.

E Payment

Add the following to standard spec 204.5:

| ITEM NUMBER | DESCRIPTION | UNIT |
|----------------|---------------------|------|
| 204.9090.S.001 | Removing Drain Tile | LF |

stp-204-025 (20150630)

40. QMP Base Aggregate.

A Description

A.1 General

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

<https://wisconsin.gov/rdwy/cmm/cm-08-00toc.pdf>

A.2 Small Quantities

- (1) The department defines a small quantity, for each individual Base Aggregate bid item, as a contract quantity of 9000 tons or less of material as shown in the schedule of items under that bid item.
- (2) The requirements under this special provision apply equally to a small quantity for an individual bid item except as follows:

A.2.1 Quality Control Plan

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

A.2.2 Contractor Testing

1. Testing frequency:

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

^[1] Submit production test results to the engineer for review before incorporating the material into the work. Production test results are valid for a period of 3 years.

^[2] If the actual quantity overruns 6,000 tons, on the next day of placement perform one randomly selected placement test for each 3000 tons, or fraction of 3000 tons, of overrun.

^[3] If the actual quantity overruns 9000 tons, on the next day of placement perform one randomly selected placement test for each 3000 tons, or fraction of 3000 tons, of overrun.

^[4] For 3-inch material or lift thickness of 3 inch or less, obtain samples at load-out.

^[5] Divide the aggregate into uniformly sized sublots for testing.

2. Stockpile testing for concrete pavement recycled in place will be sampled on the first day of production.
3. Until a four point running average is established, individual placement tests will be used for acceptance. Submit aggregate load-out and placement test results to the engineer within one business day of obtaining the sample. Assure that all properties are within the limits specified for each test.
4. Material represented by a subplot with any property outside the specification limits is nonconforming. The department may reject material or otherwise determine the final disposition of nonconforming material as specified in standard spec 106.5.

A.2.3 Department Testing

- (1) The department will perform testing as specified in B.8 except as follows:
- Department testing may be waived for contract bid item quantities of 500 tons or less.

B Materials

B.1 Quality Control Plan

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

B.2 Personnel

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

| SAMPLING AND TESTING ROLES | TEST STANDARD | REQUIRED CERTIFICATION |
|---|---|---|
| Random Sampling of Materials Sampling Aggregates | ASTM D3665 AASHTO T2 ^[1] | Transportation Materials Sampling Technician (TMS) Aggregate Technician I (AGGTEC-I) AGGTEC-I Assistant Certified Technician (ACT-AGG) |
| Percent passing the 200 Sieve Gradation Moisture Content Fractured Faces | AASHTO T11 AASHTO T27 AASHTO T255 ASTM D5821 | Aggregate Technician I (AGGTEC-I) AGGTEC-I Assistant Certified Technician (ACT-AGG) |
| Liquid and Plasticity Index | AASHTO T89 AASHTO T90 | Aggregate Testing for Transportation Systems (ATTS) Grading Technician I (GRADINGTEC-1) Grading Assistant Certified Technician (ACT-Grading) |
| Plasticity Check | AASHTO T90 | Aggregate Technician I (AGGTEC-I) AGGTEC-I Assistant Certified Technician (ACT-AGG) Grading Technician I (GRADINGTEC-1) Grading Assistant Certified Technician (ACT-Grading) |

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

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

B.3 Laboratory

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

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

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

B.4 Quality Control Documentation

B.4.1 General

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

B.4.2 Records

- (1) Document all placement observations, inspection records, and control adjustments daily in a permanent field record. Also include all test results in the project records. Provide test results to the engineer within one business day after obtaining a sample. Post or distribute tabulated results using a method mutually agreeable to the engineer and contractor.

B.4.3 Control Charts

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

- (2) Provide control charts to the engineer within one business day after obtaining a sample. Post or distribute charts using a method mutually agreeable to the engineer and contractor. Update control charts daily to include the following:
 1. Contractor individual QC tests.
 2. Department QV tests.
 3. Department IA tests.
 4. Four-point running average of the QC tests.
- (3) Except as specified under B.8.2.1 for nonconforming QV placement tests, include only QC placement tests in the running average. The contractor may plot process control or informational tests on control charts, but do not include these tests, conforming QV tests, or IA tests in the running average.

B.5 Contractor Testing

- (1) Test gradation, fracture, liquid limit and plasticity index during placement for each base aggregate size, source or classification, and type.
- (2) Perform one stockpile test from each source before placement. One stockpile test may be used for multiple projects up to 60 calendar days.
- (3) Test gradation once per 3000 tons of material placed or fraction thereof. Determine random sample locations and provide those sample locations to the engineer. Obtain samples after the material has been bladed, mixed, and shaped but before watering and compacting; except collect 3-inch samples or lift thickness of 3 inch or less from the stockpile at load-out. Do not sample from material used to maintain local traffic or from areas of temporary base that will not have an overlying pavement. On days when placing only material used to maintain local traffic or only temporary base that will not have an overlying pavement, no placement testing is required.
- (4) Split each contractor QC sample and identify it according to CMM 8.30. Retain the split for seven calendar days in a dry, protected location. If requested for department comparison testing, deliver the split to the engineer within one business day.
- (5) The engineer may require additional sampling and testing to evaluate suspect material or the technician's sampling and testing procedures.
- (6) Test fracture for each gradation test until the fracture running average is above the lower warning limit. Subsequently, the contractor may reduce the frequency to one test per 10 gradation tests if the fracture running average remains above the warning limit.
- (7) Test the liquid limit and plasticity index for the first gradation test. Subsequently, test the liquid limit and plasticity index a minimum of once per 10 gradation tests.

B.6 Test Methods

B.6.1 Gradation

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

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

B.6.2 Fracture

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

B.6.3 Liquid Limit and Plasticity

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

B.7 Corrective Action

B.7.1 General

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

B.7.2 Placement Corrective Action

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

B.8 Department Testing

B.8.1 General

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

B.8.2 Verification Testing

B.8.2.1 General

- (1) The department will have an HTCP technician, or ACT working under a certified technician, perform QV sampling and testing. Department verification testing personnel must meet the same certification level requirements specified in B.2 for contractor testing personnel for each test result being verified. The department will notify the contractor before sampling so the contractor can observe QV sampling.
- (2) The department will conduct QV tests of each base aggregate size, source or classification, and type during placement conforming to the following:
 1. Perform one stockpile test from each source before 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 watering and compacting; except, for 3-inch aggregates or for a lift thickness of 3 inch or less, the department will collect samples at load-out. The department will split each sample, test half for QV, and retain half.
- (4) The department will conduct QV tests in a separate laboratory and with separate equipment from the contractor's QC tests. The department will use the same methods specified for QC testing.
- (5) The department will assess QV results by comparing to the appropriate specification limits. If QV test results conform to the specification, the department will take no further action. If QV test results are nonconforming, add the QV to the QC test results as if it were an additional QC test.

B.8.3 Independent Assurance

- (1) Independence assurance is unbiased testing the department performs to evaluate the department's QV and the contractor's QC sampling and testing including personnel qualifications, procedures, and equipment. The department will perform an IA review according to the department's independent assurance program. That review may include one or more of the following:
 1. Split sample testing.
 2. Proficiency sample testing.
 3. Witnessing sampling and testing.
 4. Test equipment calibration checks.
 5. Reviewing required worksheets and control charts.
 6. Requesting that testing personnel perform additional sampling and testing.
- (2) If the department identifies a deficiency, and after further investigation confirms it, correct that deficiency. If the contractor does not correct or fails to cooperate in resolving identified deficiencies, the engineer may suspend placement until action is taken. Resolve disputes as specified in B.9.

B.9 Dispute Resolution

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

C (Vacant)

D (Vacant)

E Payment

- (1) Costs for all sampling, testing, and documentation required under this special provision are incidental to this work. If the contractor fails to perform the work required under this special provision, the department may reduce the contractor's pay. The department will administer pay reduction under the non-performance of QMP administrative item.
- (2) For material represented by a running average exceeding a control limit, the department will reduce pay according to CMM 8-10.5.2 for the affected Base Aggregate bid items listed in subsection A. The department will administer pay reduction under the Nonconforming QMP Base Aggregate Gradation or Nonconforming QMP Base Aggregate Fracture Administrative items. The department will determine the quantity of nonconforming material as specified in B.7.2.

stp-301-010 (20171130)

41. Concrete Masonry Structures.

A Description

A.1 General

Work under this item applies to cast in place concrete for structures. Conform to standard spec 501, 502, 504, 701, 710 and 715 and as modified in this special provision. Apply this special provision to all cast in place concrete placed under the following bid items:

504.0100 Concrete Masonry Culverts

504.0200 Concrete Masonry Culverts HES

504.0900 Concrete Masonry Endwalls

A.2 Concrete Masonry Bridges

Work under the item Concrete Masonry Bridges applies to cast in place concrete for bridge substructures, box culverts, and endwalls.

B (Vacant)

C Construction

Replace standard spec 501.3.8.2 with the following:

The contractor is responsible for the quality of the concrete placed in hot weather. Submit a written temperature control plan at or before the pre-pour meeting. In that plan, outline the actions taken to control concrete temperature if the concrete temperature at the point of placement exceeds 80 F. Do not place concrete without the engineer's written acceptance of that temperature control plan. Perform the work as outlined in the temperature control plan.

If the concrete temperature at the point of placement exceeds 90 F, do not place concrete under the following bid items:

- Concrete Masonry Culverts
- Concrete Masonry Culverts HES
- Concrete Masonry Endwalls

Notify the engineer whenever conditions exist that might cause the temperature at the point of placement to exceed 80 F. If project information is not available, obtain information from similar mixes placed for other nearby work.

Any additive or action taken to control the temperature of the Concrete Masonry to within the limits of this special provision, excluding the addition of ice to the concrete mix, is considered incidental to the work and will not be measured or paid for separately.

Add the following to standard spec 501.3 as subsection eleven:

501.3.11 Slip Forming

Do not place concrete by the slip-form method for any item covered by this special provision.

D (Vacant)

E (Vacant)

sef-504-005 (20180104)

42. Fence Safety, Item 616.0700.S.

A Description

This special provision describes providing plastic fence at locations the plans show.

B Materials

Furnish notched conventional metal "T" or "U" shaped fence posts.

Furnish fence fabric meeting the following requirements.

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

C Construction

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

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

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

D Measurement

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

E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|-------------|--------------|------|
| 616.0700.S | Fence Safety | LF |

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

stp-616-030 (20160607)

43. Soil Stabilizer Type B.

Replace standard spec. 628.3.12.3 (1) with the following:

- (1) Apply soil stabilizer with conventional hydraulic seeding equipment at the manufacturer's recommended rate unless the engineer directs otherwise.

44. Field Facilities.

Replace standard spec 642 with the following:

The department has procured its own Field Facilities. The field facilities will be located at the park and ride lot at the southeast quadrant of I-94 and STH 11.

45. Covering Signs.

Replace standard spec 643.2.3.3(2) with the following:

(2) Ensure that covers are flat black, blank, and opaque.

Add the following to standard spec 643.3.4.1 as paragraph four:

(4) If multiple messages on a single sign are required to be covered, minimize the number of holes created by covering the sign with a single rectangular shaped covering. Multiple coverings on a single sign is only permissible where necessary to avoid covering necessary content or as directed by the engineer. Submit sign covering plans to the engineer for single signs requiring multiple coverings 3 days before performing work. Obtain engineer approval before covering signs. Remove sign coverings before placing fixed messages signs unless otherwise directed by the engineer.

sef-643-005 (20180104)

46. Traffic Control.

Supplement standard spec 643.3.1 with the following:

Provide the Racine County Sheriff's Department, the Wisconsin State Patrol, Village of Mount Police Department and the engineer a current telephone number with which the contractor or his representative can be contacted during non-working hours in the event a safety hazard develops.

Do not park or store equipment, contractor's and personal vehicles or construction materials within the clear zone or on any roadway carrying traffic during working and non-working hours except at locations and periods of time approved by the engineer.

Do not permit construction or personnel equipment or vehicles to directly cross the live traffic lanes of CTH KR. Yield to all through traffic at all locations. Equip all vehicles or equipment operating in the live traffic lanes with a hazard identification beam (flashing yellow signal light) that is visible from 360 degrees. Operate the flashing yellow beam only when merging or exiting live traffic lanes or when parked or operating on shoulders, except when parked behind barrier wall. Do not park personal vehicles within the access control limits of the freeway. Do not cross live traffic lanes of CTH KR with equipment or vehicles.

Obtain prior approval from the engineer for the locations of egress or ingress for construction vehicles to prosecute the work.

Do not disturb, remove or obliterate any traffic control signs, advisory signs, sand barrel array, shoulder delineators or beam guard in place along the traveled roadways without the approval of the engineer.

Flagging operations shall follow standard spec 104.6.1.(4) and chapter 6E of the WMUTCD.

Replace standard spec 643.3.1.(7) with the following:

Provide equipment, forces, and materials to promptly restore any traffic control devices or pavement markings damaged or disturbed within 2 hours of being contacted.

SER-643.1 (20170808)

47. Natural Backfill Material, Item SPV.0035.001.

A Description

This special provision describes providing natural backfill material as shown on the plans.

B Materials

Furnish materials conforming to gradation and composition details as follows:

| Percent Passing by weight | Sieve Size (inches) | Material description |
|---------------------------|---------------------|--|
| 100 | 12 | Cobble stone from glacial outwash |
| 84 | 5 | Coarse gravel and cobbles from glacial outwash |
| 50 | 1 ½ | Unwashed coarse gravel outwash |
| 16 | ¾ | Unwashed pit run sand and gravel outwash |

Submit a source and provide details on achieving the required gradation. Provide materials of different particle sizes well mixed and not segregated.

The department will assess the material acceptability based primarily on the engineer's visual inspection.

C Construction

Place natural backfill material as shown on the plans. Compact natural backfill material using standard compaction conforming to standard spec 301.3.4.2.

D Measurement

The department will measure Natural Backfill Material by the cubic yard, acceptably completed.

E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|--------------|---------------------------|------|
| SPV.0035.001 | Natural Backfill Material | CY |

Payment for natural backfill material is full compensation for providing and compacting natural fill material.

48. Crash Cushions Temporary Left In Place, Item SPV.0060.001.

A Description

This special provision describes furnishing and installing Crash Cushions Temporary as shown on the plans.

Crash Cushions Temporary Left In Place becomes property of the department after final acceptance by the engineer.

B Materials

This work shall be according to the pertinent provisions of standard spec 614.2 and as hereinafter provided.

C Construction

This work shall be according to the pertinent provisions of standard spec 614.3, as shown on the plans, and as hereinafter provided.

D Measurement

The department will measure Crash Cushions Temporary Left In Place as each crash cushion temporary, acceptably left in place.

E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|--------------|--|------|
| SPV.0060.001 | Crash Cushions Temporary Left In Place | EACH |

Payment is full compensation for furnishing and installing the crash cushions temporary and for leaving in place.

49. Sand Bags, Item SPV.0060.003.

A Description

This special provision describes the construction of dikes or barriers with sand filled bags as shown on the plans.

B Materials

Provide bags made of canvas, burlap, nylon or other approved material. Use bags that will contain a minimum of one half cubic foot of sand, be of one size and shape and be securely closed.

Use sand that conforms to the standard spec 501.2.5.3 except that standard spec 501.2.5.3.4 shall be deleted. The maximum size of particle shall pass a No. 4 sieve.

C Construction

Remove and dispose of the sand bags and all surplus material upon completion of its use under this contract.

D Measurement

The department will measure Sand Bags as each individual sand bag, placed and accepted.

E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|--------------|-------------|------|
| SPV.0060.003 | Sand Bags | EACH |

Payment is full compensation for furnishing and installing sand filled bags; for all excavation; for removal and disposal of the sand bags and all waste or surplus materials, including eroded materials and for shaping and restoring the area.

Any required topsoiling, fertilizing, seeding or mulching will be paid for under the applicable bid item.

SER-207.1 (20101021) EROC

50. Connect Drain Tile, Item SPV.0060.013.

A Description

This special provision describes connecting existing drain tiles to proposed structures or proposed storm sewer pipes.

B (Vacant)

C Construction

Identify drain tile invert elevations through Drain Tile Exploration. Connect the exposed drain tile with the appropriate coupling, concrete collar or by means approved by the engineer to reestablish the connection. Use concrete masonry for concrete collar conforming to standard spec 520.2.4. Ensure that the connection does not negatively impact the current flow capacity of the drain tile.

D Measurement

The department will measure Connect Drain Tile as each new drain tile connection to a structure or pipe, acceptably completed. Measurement will include connections of new underdrain structures placed in previous stages of the project, in addition to pipe or structures constructed under previous projects.

E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|--------------|--------------------|------|
| SPV.0060.013 | Connect Drain Tile | EACH |

Payment is full compensation for performing all work; removing seals, end walls and concrete collars, providing all materials, couplings, concrete collars. Any additional pipe or materials required to connect the drain tile shall be considered incidental to this bid item. The new pipe that restores drainage will be paid separately under their respective bid items.

51. Concrete Barrier Temporary Precast Delivered Special, Item SPV.0090.001.

A Description

This special provision describes leaving in place temporary precast reinforced concrete barrier conforming to the shape, dimensions, and details the plans show and conforming to the appropriate provisions of standard spec 603 and as modified in this special provision.

Concrete Barrier Temporary Precast Delivered Special becomes property of the department after final acceptance by the engineer.

B Materials

This work shall be according to the pertinent provisions of standard spec 603.2.

C Construction

C.1 Delivery, On-The-Project Trucking, and Removal

Replace standard spec 603.3.2.2 (1) with the following:

Under the Concrete Barrier Temporary Precast Delivered Special bid item, furnish and deliver temporary barrier to worksites within the project and leave it in place upon project completion.

D Measurement

The department will measure the Concrete Barrier Temporary Precast Delivered Special by the linear foot, acceptably completed, measured as the linear feet of installed length left in place once for each contract-identified worksite within the project and other moves the engineer directs. The department will only measure moves requiring a truck haul. The department will not measure moves made solely to accommodate the contractor's means and methods.

E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|--------------|--|------|
| SPV.0090.001 | Concrete Barrier Temporary Precast Delivered Special | LF |

Replace standard spec 603.5.3 (1) with the following:

Payment for Concrete Barrier Temporary Precast Delivered Special is full compensation for providing barrier, initial delivery, trucking between worksites and leaving barrier, steel rail connections and steel cap rail in place after contract completion.

sef-603-010 (20171004)

52. Survey Project 2704-00-78, Item SPV.0105.001; Project 3763-00-75, Item SPV.0105.002.

A Description

This special provision describes modifying standard spec 105.6 and 650 to define the requirements for construction staking for this contract. Conform to standard spec 105.6 and 650 except as modified in this special provision.

Replace standard spec 105.6.1(2) with the following:

The department will not perform any construction staking for this contract. Obtain engineer's approval before performing all survey required to lay out and construct the work under this contract.

Replace standard spec 650.1 with the following:

This section describes the contractor-performed construction staking required under individual contract bid items to establish the horizontal and vertical position for all aspects of construction including:

- storm sewer
- subgrade
- base
- curb
- gutter

- curb and gutter
- curb ramps
- pipe culverts
- drainage structures
- structure layout
- bridges
- all retaining wall layout
- pavement
- pavement markings (temporary and permanent)
- barriers (temporary and permanent)
- overhead signs
- freeway and local street lighting
- electrical installations
- supplemental control
- slope stakes
- detention ponds
- traffic signals
- ITS
- FTMS
- paths
- utilities
- conduit
- landscaping elements
- installation of community sensitive design elements
- traffic control items
- fencing

B (Vacant)

C Construction

Supplement standard spec 650.3.1 (5) with the following:

Global positioning methods will not be allowed to establish the following:

1. Structure layout horizontal or vertical locations.
2. Concrete pavement vertical locations.
3. Curb, gutter, and curb and gutter vertical locations.
4. Concrete barrier vertical locations.
5. Storm Sewer layout horizontal or vertical locations, including structure centers, offsets, access openings, rim and invert elevations.

Replace standard spec 650.3.1(6) with the following:

⁽⁶⁾ Maintain neat, orderly, and complete survey notes, drawings, and computations used in establishing the lines and grades. This includes:

- Raw data files
- Digital stakeout reports
- Control check reports

- Supplemental control files (along with method used to establish coordinates and elevation)
- Calibration report

Make the survey notes and computations available to the engineer within 24 hours as the work progresses unless a longer period is approved by the engineer.

Replace standard spec 650.3.3.1 with the following:

Under the Survey Project bid item, global positioning system (GPS) machine guidance for conventional subgrade staking on all or part of the work may be substituted. The engineer may require reverting to conventional subgrade staking methods for all or part of the work at any point during construction if the GPS machine guidance is producing unacceptable results.

Replace standard spec 650.3.3.3.4.1 with the following:

The department will provide the contractor staking packet as described in the Construction and Materials Manual (CMM) 7.10. At any time after the contract is awarded, the available survey and design information may be requested. The department will provide that information within 5 business days of receiving the contractor's request. The department incurs no additional liability beyond that specified in standard spec 105.6 or standard spec 650 by having provided this additional information.

Add the following to standard spec 650.3.3.3.6.2 as paragraph four:

Record all subgrade elevation checks and submit a hard copy to the engineer within 24 hours or as requested by the engineer.

D Measurement

Replace standard spec 650.4 with the following:

- (1) The department will measure Survey Project (project ID) as separate single lump sum unit of work, acceptably completed.

E Payment

Replace standard spec 650.5 with the following:

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|--------------|---------------------------|------|
| SPV.0105.001 | Survey Project 2704-00-78 | LS |
| SPV.0105.002 | Survey Project 3763-00-75 | LS |

Payment is full compensation for performing all survey work required to lay out and construct all work under this contract and for adjusting stakes to ensure compatibility with existing field conditions. The department will not make final payment for this item until the contractor submits all survey notes and computations used to establish the required lines and grades to the engineer within 24 hours of completing this work. Re-staking due to construction disturbance and knock-outs will be performed at no additional cost to the department.

sef-650-005 (20180104)

53. Temporary Access Road Culvert C-51-85, Item SPV.0105.003.

A Description

Construct a temporary access road to facilitate the construction of C-51-85 culvert construction over the Tributary No. 18 to the Kilbourn Road Ditch within the area as shown on the plans. This item provides for the construction and maintenance of the temporary access road, removal of the temporary access road prior to the end of construction, and the restoration of the site.

B Materials

Obtain approval of the engineer for all materials and conform to the pertinent requirements of the standard specifications.

C Construction

Address temporary erosion control in the erosion control implementation plan.

Provide topsoil, seeding, fertilizer, mulching, and erosion control for the temporary access road and for the restored area after removal of the road.

Though not expected to be necessary, if necessary provide for installation of a temporary culvert. Coordinate temporary culvert with the Wisconsin Department of Natural Resources.

When removing the temporary access road, restore the surface as closely as possible to its natural state. Thoroughly remove all access road materials from disturbed area and the Tributary No. 18 to the Kilbourn Road Ditch.

D Measurement

The department will measure Temporary Access Road Culvert C-51-85 as a single complete lump sum unit of work, acceptably completed.

E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|--------------|---------------------------------------|------|
| SPV.0105.003 | Temporary Access Road Culvert C-51-85 | LS |

Payment is full compensation for any additional agency coordination and/or permitting; for furnishing all materials; for constructing and maintaining the temporary access road; for the removal of all temporary access road materials; for installation and removal of temporary erosion control along the temporary access road; for installation and removal of temporary culvert, and for restoration of the site after removal of the road.

54. Temporary Stream Diversion Culvert C-51-85, Item SPV.0105.004.

A Description

This special provision describes providing for and removing the temporary stream diversion method and developing an approved plan for the flow of the Tributary No. 18 to the Kilbourn Road Ditch during the installation of Structure C-51-85 as hereinafter described.

B Materials

Follow the applicable sections of the standard specifications for all materials utilized under this item, as directed by the engineer. Provide evidence that items meet specifications and/or certifications prior to use of such items if requested by the engineer.

C Construction

Furnish the engineer with a staged plan indicating acceptable methods to handle water during construction in and next to the Tributary No. 18 to the Kilbourn Road Ditch. Submit this plan as part of the ECIP and meet the requirements of 107.20 of the Standard Specifications.

Storage of materials or equipment on public property, outside of the normal roadway limits of Wisconsin Valley Way, in the vicinity of Tributary No. 18 to the Kilbourn Road Ditch, is not permitted.

- (1) Alterations to the suggested methodologies of water diversion as noted below may be acceptable. Such alterations shall be clearly spelled out in the Erosion Control Implementation Plan (ECIP) for approval by WisDOT and the Wisconsin Department of Natural Resources prior to construction.
- (2) *Method #1:* Divert the existing flow through a temporary open channel lined with polyethylene sheeting or other approved plastic. The bottom of the channel shall have a 6-inch depth of coarse aggregate #2 stone. Divert flow into the temporary open channel utilizing barriers made of non-erodible materials, such as rock bags and polyethylene sheets, to prevent siltation into the live stream. Details of the temporary open channel and the non-erodible barrier system shall be detailed in the contractor's ECIP, for approval by the engineer.
- (3) *Method #2:* Divert the existing flow through a temporary culvert pipe utilizing barriers made of non-erodible materials, such as rock bags and polyethylene sheets, and a channel comprised of plastic and #2 stone as described under Method #1. Details of the temporary culvert pipe, the temporary channel, and the non-erodible barrier system shall be detailed in the contractor's ECIP, for approval by the engineer.

The following values are provided for the contractor's use in sizing a temporary culvert pipe:

Structure C-51-85
Q2 = 155 cfs
Q10 = 309 cfs
Q25 = 399 cfs
Q50 = 474 cfs

- (4) *Method #3:* Dam the flow using non-erodible materials, such as rock bags and polyethylene sheets, and pump the water across the roadway. Details of the damming and pumping system shall be detailed in the contractor's ECIP, for approval by the engineer. The water must be treated to remove suspended solids before it is allowed to enter any waterway or wetland. Provide a settling basin, or other suitable means approved by the engineer, with sufficient capacity and size to provide an efficient means to filter the water from the dewatering operation before it is discharged back into the stream as provided in the standard specifications and these special provisions. Direct discharge into the stream will not be permitted. Saturated sediment shall be dewatered in an upland location within a dewatering device. Treatment practices may include the use of a polymer in conjunction with the dewatering mechanism, as approved by the engineer.
- (5) Remove the temporary open channel, temporary culvert pipe, or temporary barriers after flow through the new box culvert structure is established. Restore the area outside of the proposed roadbed and slopes to natural surrounding conditions and elevations.
- (6) If during the course of normal work, the crayfish are observed, the contractor shall attempt to remove the crayfish from the worksite and store them in a bucket with soil and notify the engineer. The engineer will contact the DNR and they will relocate them off the project.
- (7) Immediately after the temporary diversion of waterways, engineer will contact the DNR to inspect the site. The DNR will remove, protect and store cray fish and other species left a behind in the old channel prior to any construction activities near the existing channel for the new box culvert construction.
- (8) Remove existing water or material inside or near the existing box culvert for constructing the new box culvert.

D Measurement

The department will measure Temporary Stream Diversion Culvert C-51-85 as a single complete lump sum unit of work, acceptably completed.

E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|--------------|--|------|
| SPV.0105.004 | Temporary Stream Diversion Culvert C-51-85 | LS |

Payment is full compensation for developing a diversion plan, furnishing, installing, removing, and disposing of all materials used to divert flow, maintaining such materials during use, all excavation and backfill required, pumping; removing, protecting and storing species; and for restoration of the area to original conditions, unless shown otherwise in the project plans.

55. Temporary Stream Diversion Culvert B-30-142, Item SPV.0105.005.

A Description

This special provision describes installing and removing diversion channels at location identified on the plans or as the engineer directs.

B Materials

Furnish 6 mil (0.152 mm) or thicker polyethylene sheeting conforming to ASTM D 4397.

Furnish clean stone conforming to the requirements of course aggregates size no. 2 in standard spec 501.2.5.4.

C Construction

Prior to removal of the existing box culvert, excavate the temporary diversion channel to dimensions that meet field conditions, as shown in the plan, and as directed by the engineer. Provide temporary diversion channel with a capacity to convey a flow of up to 474 cfs without overtopping the channel. Ensure that material removed from the excavation area is properly stockpiled and isolated from the waterway or adjacent wetland areas by proper erosion control. Install sheet piling or other means approved by the engineer to prevent water from entering the channel on the upstream and downstream ends until the channel is ready to open. Other means used shall not involve dredging or removing soil from the "live" unprotected waterway. Before placing polyethylene sheeting, remove stones, roots, sticks, and other materials that interfere with the sheeting bearing completely on the soil.

Line the channel bed and banks with polyethylene sheeting, and maintain at least 3 feet of extra sheeting width on each side to trench in and secure the edges on top of the channel banks. Secure the sheeting from wind and water dislocation. Overlap adjacent sheets a minimum of 3 feet (1 m) in the direction of flow, and seal the edges with waterproof tape or other engineer-approved method. Trench in the upstream leading edge of the polyethylene sheeting. Patch damaged areas with sheeting overlapped a minimum of 3 feet (1 m) and seal the joints with waterproof tape or other engineer-approved method. Maintain the sheeting and make satisfactory repairs of damaged areas.

Place a 6-inch layer of clean stone across the width of the channel bed and along the channel's length as shown in the plan.

After obtaining the engineers approval, open the downstream end of the channel and allow water to backflow into the channel. When the water has stabilized in the channel, open the upstream end. Maintain the channel during its use. Ensure the polyethylene sheeting remains securely in place.

Upon completion of all work within the area of the waterway and as directed by the engineer, install sheet piling or other means in the upstream end of the diversion channel first, and then in the downstream end. Dewater the diversion channel by a method approved by the engineer. Remove and properly dispose of all sheeting and sediment deposits. Backfill the excavated area of the channel bottom according to standard spec 207.

If during the course of normal work, the crayfish are observed, the contractor shall attempt to remove the crayfish from the worksite and store them in a bucket with soil and notify the engineer. The engineer will contact the DNR and they will relocate them off the project.

Immediately after the temporary diversion of waterways, engineer will contact the DNR to inspect the site. The DNR will remove, protect and store cray fish and other species left a behind in the old channel prior to any construction activities near the existing channel for the new box culvert construction.

Remove existing water or material inside or near the existing box culvert for constructing the new box culvert.

D Measurement

The department will measure Temporary Stream Diversion Culvert B-30-142 as a single complete lump sum unit of work, acceptably completed.

E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|--------------|---|------|
| SPV.0105.005 | Temporary Stream Diversion Culvert B-30-142 | LS |

Payment is full compensation for sawing, excavation; furnishing and installing sheet piling, polyethylene sheeting, stone, and backfill material; maintaining the diversion channel; dewatering; backfilling and compaction; removing, and disposing of all materials used to divert flow, maintaining the diversion channel during use, and for restoration of the area to original conditions, unless shown otherwise in the project plans.

56. Removal and Disposal of Invasive Plant Species, Item SPV.0170.001.

A Description

- (1) This work shall consist of removing and disposal of invasive plant species, including but not limited to Phragmites, Cut-leaved teasel and Wild Parsnip per the Invasive Species Identification, Classification, and Control Rule (Chapter NR 40, Wis. Adm. Code). Plants shall be removed and disposed from areas designated as follows. It shall include furnishing all necessary materials and performing all necessary work such as excavating topsoil, cutting stems, removing individual plants including roots, disposing of plants, and such work necessary and incidental to complete the item according to the plans, specifications, and contract.

B (Vacant)

C Construction

- (1) The WDNR Liaison will determine locations of invasive plant species.

C.1 Removing and Disposing of Phragmites (Common Reed)

- (1) All phragmite plants shall be removed from areas designated by the WDNR Liaison. Removal of phragmites shall include removal of the entire plant and root system. Removal shall be performed by removal of all existing topsoil and plant biomass from the areas designated by the WDNR Liaison. Topsoil and biomass removed from invasive plant areas shall be kept in a separate stockpile than topsoil intended for reuse on the project under the Salvaged Topsoil item.
- (2) All plants removed shall be disposed either on-site under a minimum of 5 feet of fill or plants shall be taken to a solid waste landfill. Transport of plants to any location other than a licensed landfill shall require approval by the WisDNR. Disposal of plants under fill or at a licensed landfill shall occur within one day of removal.

C.2 Removing and Disposing of Cut-leaved Teasel and/or Wild Parsnip

- (1) All Cut-leaved Teasel and/or Wild Parsnip plants shall be removed from areas designated by the WDNR Liaison. Removal of Cut-leaved Teasel and Wild Parsnip shall be by cut at the stem or completely excavated. Removal shall be performed by either removal of each individual plant by hand or by removal of all existing topsoil and plant biomass from the areas designated by the WDNR Liaison. If excavation methods are used to remove plants, the topsoil shall be kept in a separate stockpile than topsoil intended for reuse on the project under the Salvaged Topsoil item.
- (2) All plants removed shall be disposed either on-site under a minimum of 5 feet of fill or plants shall be taken to a solid waste landfill. Transport of plants to any location other than a licensed landfill shall require approval by the WisDNR. Disposal of plants under fill or at a licensed landfill shall occur within one day of removal.

C.3 Wild Parsnip Safety

- (1) Care shall be taken when handling Wild Parsnip. When sap contacts skin in the presence of sunlight, it can result in severe rashes, blisters, and discoloration of the skin (phytophotodermatitis). Wear gloves, long sleeves, and long pants when handling this species.

C.3 404 Permit

- (1) Areas of invasive species designated by the WDNR Liaison may be outside of wetland fill areas covered under the 404 permit. Excavation shall not be performed in these areas. For Cut-leaved Teasel and Wild Parsnip in these areas, the plants shall be cut at the stem, removed and disposed according to Section C.2.

C.5 DNR Contact

- (1) A minimum of two weeks prior to excavation within invasive plant species areas, contact WisDNR for identification and delineation of invasive species in the field. The DNR contact is:

Kristina Betzold
Environmental Analysis and Review Specialist
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212
Phone: (414) 507.4946
kristina.betzold@wisconsin.gov

D Measurement

The department will measure Removal and Disposal of Invasive Plant Species by the full 100-foot station, acceptably completed, measured along the roadway reference line with each full 100-foot station starting and ending at a +00 station. The department will measure along the I-94 reference line and will apply for a removal and disposal of invasives required from the shoulder point of I-94 to the shoulder point of the frontage road.

E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
|--------------|--|------|
| SPV.0170.001 | Removal and Disposal of Invasive Plant Species | STA |

- (2) Payment is full compensation for removing, stockpiling, excavating, loading, hauling, and either on-site disposal or licensed landfill disposal of these invasive plants.

If invasive plants are removed by excavation methods, the department will pay for restoring topsoil under the Salvaged Topsoil or Topsoil items.

ADDITIONAL SPECIAL PROVISION 4

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

Release of Routine Retainage

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

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

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

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

ADDITIONAL SPECIAL PROVISION 6

ASP 6 - Modifications to the standard specifications

Make the following revisions to the standard specifications:

104.10.1 General

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

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

104.10.4.2 Payment for the CRI Work

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

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

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

Where:

NS = Net Savings

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

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

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

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

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

108.11 Liquidated Damages

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

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

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

203.3.2.2 Removal Operations

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

203.3.2.2.1 General

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

203.3.2.2.2 Deck Removal

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

203.5.1 General

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

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

415.2.3 Expansion Joint Filler

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

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

415.3.20 Filling Joints

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

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

415.5.1 General

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

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

440.3.4.2 Contractor Testing

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

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

455.5.3 Tack Coat

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

- (2) The department will adjust pay for Tack Coat, under the Nonconforming Tack Coat administrative item, for nonconforming material the engineer allows to remain in place at a maximum of 75 percent of the contract unit price.

460.2.7 HMA Mixture Design

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

- (1) For each HMA mixture type used under the contract, develop and submit an asphaltic mixture design according to CMM 8-66 and conforming to the requirements of table 460-1 and table 460-2. The values listed are design limits; production values may exceed those limits. The department will review mixture designs and report the results of that review to the designer according to CMM 8-66.

TABLE 460-2 MIXTURE REQUIREMENTS

| Mixture type | LT | MT | HT | SMA |
|--|----------------------------|----------------------------|----------------------------|-------------------|
| ESALs x 10 ⁶ (20 yr design life) | <2.0 | 2 - <8 | >8 | — |
| LA Wear (AASHTO T96) | | | | |
| 100 revolutions(max % loss) | 13 | 13 | 13 | 13 |
| 500 revolutions(max % loss) | 50 | 45 | 45 | 40 |
| Soundness (AASHTO T104) (sodium sulfate, max % loss) | 12 | 12 | 12 | 12 |
| Freeze/Thaw (AASHTO T103) (specified counties, max % loss) | 18 | 18 | 18 | 18 |
| Fractured Faces (ASTM D5821) (one face/2 face, % by count) | 65/— | 75 / 60 | 98 / 90 | 100/90 |
| Flat & Elongated (ASTM D4791) (max %, by weight) | 5 (5:1 ratio) | 5 (5:1 ratio) | 5 (5:1 ratio) | 20 (3:1 ratio) |
| Fine Aggregate Angularity (AASHTO T304, method A, min) | 40 | 43 | 45 | 45 |
| Sand Equivalency (AASHTO T176, min) | 40 | 40 | 45 | 50 |
| Gyratory Compaction | | | | |
| Gyrations for N _{ini} | 6 | 7 | 8 | 8 |
| Gyrations for N _{des} | 40 | 75 | 100 | 65 |
| Gyrations for N _{max} | 60 | 115 | 160 | 160 |
| Air Voids, %V _a (%G _{mm} N _{des}) | 4.0 (96.0) | 4.0 (96.0) | 4.0 (96.0) | 4.0 (96.0) |
| % G _{mm} N _{ini} | <= 91.5 ^[1] | <= 89.0 ^[1] | <= 89.0 | — |
| % G _{mm} N _{max} | <= 98.0 | <= 98.0 | <= 98.0 | — |
| Dust to Binder Ratio ^[2] (% passing 0.075/P _{be}) | 0.6 - 1.2 | 0.6 - 1.2 | 0.6 - 1.2 | 1.2 - 2.0 |
| Voids filled with Binder (VFB or VFA, %) | 68 - 80 ^[4] [5] | 65 - 75 ^[3] [5] | 65 - 75 ^[3] [5] | 70 - 80 |
| Tensile Strength Ratio (TSR) (AASHTO T283) ^[6] [7] | | | | |
| no antistripping additive | 0.75 min | 0.75 min | 0.75 min | 0.75 min |
| with antistripping additive | 0.80 min | 0.80 min | 0.80 min | 0.80 min |
| Draindown (AASHTO T305) (%) | — | — | — | 0.30 |

^[1] The percent maximum density at initial compaction is only a guideline.

^[2] For a gradation that passes below the boundaries of the caution zone (ref. AASHTO M323), the dust to binder ratio limits are 0.6 - 1.6.

^[3] For No. 5 (9.5mm) and No. 4 (12.5 mm) nominal maximum size mixtures, the specified VFB range is 70 - 76 percent.

^[4] For No. 2 (25.0mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

^[5] For No. 1 (37.5mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

^[6] WisDOT eliminates freeze-thaw conditioning cycles from the TSR test procedure.

^[7] Run TSR at asphalt content corresponding to 3.0% air void regressed design using distilled water for testing.

460.2.8.2.1.3.1 Contracts with 5000 Tons of Mixture or Greater

Replace paragraph six with the following:

- (6) Conduct TSR tests during mixture production according to CMM 8-36.6.14. Test each full 50,000 ton production increment, or fraction of an increment, after the first 5000 tons of production. Perform required increment testing in the first week of production of that increment. If production TSR values are below the limit specified in CMM 8-36.6.14, notify the engineer. The engineer and contractor will jointly determine a corrective action.
-

502.2.7 Preformed Joint Filler

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

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

502.3.7.8 Floors

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

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

505.2.6 Dowel Bars and Tie Bars

Replace the entire text with the following effective with the March 2018 letting:

505.2.6.1 General

- (1) Furnish bars coated in a plant certified by the Concrete Reinforcing Steel Institute. For dowel bars and straight tie bars, there is no requirement for bend tests. Ensure that the bars are the specified diameter and length the plans show.
- (2) The contractor need not coat or patch sawed ends, sheared ends, cut ends, ends left bare during the coating process, or ends with damaged coating.
- (3) The contractor need not repair circumferential coating damage from shipping, handling, or installation, if the following conditions are met:
 1. The damaged area is 1/4 inch square or smaller.
 2. The total damaged area in any one-foot length does not exceed 2 percent of the circumferential area in that length.
- (4) Repair areas of damaged circumferential coating larger than 1/4 inch square. Reject bars with total damage greater than 2 percent of the bar's circumferential area.

505.2.6.2 Dowel Bars**505.2.6.2.1 General**

- (1) Ensure that the bars are straight, round, smooth, and free from burrs or other deformations detrimental to the free movement of the bar in the concrete.
- (2) Saw bars to the required length. For solid bars, the department will allow shearing if no damage occurs to the coating and shearing distortions do not exceed the following:
 1. No distorted diameter is more than 0.04 inches greater than the true diameter.
 2. No distortion extends more than 0.40 inches from the sheared end.
- (3) Apply a surface treatment to loose dowels, or furnish manufacturer-treated bars in dowel bar baskets, capable of preventing bond between the epoxy-coated bars and the concrete. Apply field surface treatments when loading bars in the dowel bar magazine.

505.2.6.2.2 Solid Dowel Bars

- (1) Furnish coated bars conforming to AASHTO M31 grade 40 or 60. Alternatively the contractor may furnish dowel bars conforming to AASHTO M227 grade 70-80. Coat with a thermosetting epoxy conforming to AASHTO M254, type B.

505.2.6.2.3 Tubular Dowel Bars

- (1) Furnish welded steel tubular bars conforming to ASTM A513 fabricated from plain carbon steel with a minimum tensile yield strength of 60 ksi and sized as follows:

| SOLID BAR SPECIFIED DIAMETER | MINIMUM REQUIRED OUTSIDE DIAMETER | MINIMUM BASE METAL WALL THICKNESS |
|---------------------------------|--------------------------------------|--------------------------------------|
| 1 1/4-inch | 1 5/16 inches | 0.120 inch |
| 1 1/2-inch | 1 5/8 inches | 0.120 inch |

- (2) Cap bar ends to prevent intrusion of concrete or other materials. Ensure that tubing is galvanized on the exterior and interior according to ASTM A653 with a G40 zinc coating and apply 7-13 mils of epoxy to the galvanized exterior according to AASHTO M254, Type B.

505.2.6.2.4 High Performance Dowel Bars

- (1) As an alternate the contractor may furnish high performance dowel bars from the department's APL.

505.2.6.3 Tie Bars

- (1) Furnish coated bars conforming to AASHTO M31 grade 40 or 60. Coat tie bars as specified in 505.2.4 for coated high-strength steel reinforcement. Ensure that the tie bars are the shape the plans show.
- (2) Repair, with compatible coating material, the bend location of field-straightened coated tie bars.

614.2.1 General

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

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

614.3.2.1 Installing Posts

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

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

614.5 Payment

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

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

641.2.9 Overhead Sign Supports

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

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

642.2.2.1 General

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

- (1) Provide each field office with two rooms, separated by an interior door with a padlock. Ensure that each room has a separate exterior door and its own air conditioner. Locate the office where a quality internet connection can be achieved.
- (2) Provide long distance telephone service via a land line for exclusive department use that has the following:
 - Two programmable touch-tone phones, one of which is cordless. Ensure that phone operations will not interfere with other telecommunications equipment.
 - Voice mail service or an answering machine.
- (3) Provide high-speed internet service for exclusive department use via cable or DSL connection with a modem/router and capable of supporting cloud enabled file sharing, voice over internet protocol (VoIP), video conferencing, and web based applications. Ensure that system meets the following:
 - Includes a wireless network for the field office.
 - Can accommodate IPSec based VPN products.
 - Has a bandwidth range as follows:
 - Field office with 1-5 staff: A minimum connection speed of 5 Mbps download and 1 Mbps upload. If a cable or DSL option is not available the contractor may provide a personal hotspot using cell phone tethering or other device able to achieve the specified minimum speeds inside the field office.
 - Field office with 6 or more staff: A minimum connection speed of 10 Mbps + 1/2 Mbps per user download and 5 Mbps upload.
 - Projects over 500 million dollars: A minimum connection speed of 20 Mbps + 1/2 Mbps per user download and 10 Mbps upload. Coordinate network setup at the leased office with the WisDOT network team.
- (4) Provide and maintain a Windows 7 and Windows 10 compliant multi-function device with copy, print, and scan capabilities that can accommodate both 8 1/2" x 11" and 11" x 17" paper. Replenish paper, toner cartridges, and other supplies before fully expended. Ensure that department staff can connect to the device either directly or through the field office wireless network.
- (5) Equip with a drafting table with a drafter's stool. Except as specified in 642.2.2.4, provide 2 ergonomically correct office chairs in working condition with, at a minimum, the following:
 1. Five-legged base with casters.
 2. Seat adjustable from 15 to 22 inches from the floor with a seamless waterfall, rounded, front edge.
 3. High backrest with no arms or adjustable arms.

643.3.1 General

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

- (1) Provide and maintain traffic control devices located where the plans show or engineer directs to maintain a safe work zone throughout the contract duration. Relocate as required to accommodate changing work operations. When not in use, place devices away from traffic outside of paved and gravel shoulder surfaces. Where there is barrier on the shoulder, the contractor may place devices not in use on the shoulder as close as possible to the barrier and delineated with drums. Lay signs and supports flat on the grade with uprights oriented parallel to and downstream from traffic. Do not stack devices or equipment. Promptly remove temporary devices from within the project limits as follows:
 - That will not be used within 14 consecutive calendar days.
 - Within 5 business days of substantial completion unless the engineer allows otherwise.

645.2.2.2 Geotextile, Type SAS (Subgrade Aggregate Separation)

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

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

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

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

645.2.2.4 Geotextile, Type DF (Drainage Filtration)

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

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

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

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

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

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

645.2.2.6 Geotextile, Type R (Riprap)

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

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

| TEST | METHOD | VALUE ^[1] |
|--------------------------------------|------------|----------------------|
| Minimum grab tensile strength | ASTM D4632 | 205 lb |
| Minimum puncture strength | ASTM D6241 | 400 lb |
| Minimum apparent breaking elongation | ASTM D4632 | 15% |
| Maximum apparent opening size | ASTM D4751 | No. 30 |
| Minimum permittivity | ASTM D4491 | 0.12 s ⁻¹ |

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

645.2.2.7 Geotextile, Type HR (Heavy Riprap)

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

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

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

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

645.2.2.8 Geotextile, Type C (Modified SAS)

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

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

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

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

646.3.1.1 General Marking

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

- (1) Prepare the surface and apply marking as the manufacturer specifies. Provide manufacturer specifications as the engineer requests. Do not mark over a marking product with less adherence or over chipped or peeled marking. Do not remove polymer overlay materials in areas receiving pavement marking. Use only epoxy pavement marking where the contract requires marking placed on polymer overlays.

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

- (5) After the marking can sustain exposure to traffic, re-apply clear protective surface treatment conforming to 502.2.11 where removed from structures during marking surface preparation. Seal exposed concrete including grooves for tape. Cover marking during resealing with a system that will not degrade the marking's retroreflectivity when removed. Uncover marking before opening to traffic.

701.3 Contractor Testing

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

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

TABLE 701-2 TESTING STANDARDS

| TEST | TEST STANDARD |
|--|-----------------------------------|
| Washed P 200 analysis | AASHTO T11 ^[1] |
| Sieve analysis of fine and coarse aggregate | AASHTO T27 ^[1] |
| Aggregate moisture | AASHTO T255 ^[1] |
| Sampling freshly mixed concrete | AASHTO R60 |
| Air content of fresh concrete | AASHTO T152 ^[2] |
| Air void system of fresh concrete | AASHTO Provisional Standard TP118 |
| Concrete slump | AASHTO T119 ^[2] |
| Concrete temperature | ASTM C1064 |
| Concrete compressive strength | AASHTO T22 |
| Making and curing concrete cylinders | AASHTO T23 |
| Standard moist curing for concrete cylinders | AASHTO M201 |

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

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

715.2.3.1 Pavements

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

- (6) For new lab-qualified mixes, test the air void system of the proposed concrete mix conforming to AASHTO provisional standard TP 118. Include the SAM number as a part of the mix design submittal.

715.3.1.1 General

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

- (1) Provide slump, air content, concrete temperature and compressive strength test results as specified in 710.5. Provide a battery of QC tests, consisting of results for each specified property, using a single sample randomly located within each subplot. Cast three cylinders for strength evaluation. For pavement concrete, also test the air void system conforming to AASHTO provisional standard TP118 at least once per lot and enter the SAM number in the MRS for information only.

715.3.1.3 Department Verification Testing

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

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

Errata

Make the following corrections to the standard specifications:

106.3.3.1 General

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

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

205.3.1 General

Correct errata by replacing paragraphs three and four with the following to reflect current practice to incorporate suitable materials.

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

305.1 Description

Correct errata to clarify that the contractor may use more than one material under a single contract.

- (1) This section describes constructing a dense graded base using one or more of the following aggregates at the contractor's option:

| | |
|------------------|----------------------|
| Crushed stone | Reclaimed asphalt |
| Crushed gravel | Reprocessed material |
| Crushed concrete | Blended material |

521.2 Materials

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

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

614.3.2.2 Installing Rail

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

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

618.1 Description

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

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

643.3.5.2 Cellular Communication

Correct errata by changing State Traffic Operations Center to Traffic Management Center.

- (2) A minimum of 14 days before deployment, demonstrate to the department that the cellular modem is capable of communications with the Traffic Management Center. If remote communications are interrupted or temporarily unavailable, the department will notify the contractor to change messages manually. Update messages within 2 hours of receiving notification.

646.3.1.2 Liquid Marking

Correct errata by changing "epoxy overlays" to "polymer overlays".

- (5) Apply liquid marking and glass beads across the line at or exceeding the following:

| LIQUID MARKING | | PAVEMENT TYPE | THICKNESS (mils) | BEAD APPLICATION (pounds per gallon) |
|----------------|---------------------------------------|---------------|---------------------|---|
| Paint | | all | 16 | 8-10 |
| Epoxy | SMA, seal coats, and polymer overlays | | 25 | 25 |
| Epoxy | | all other | 20 | 22.5 |

654.5 Payment

Correct errata to clarify that contractor-provided anchor rods and associated hardware are incidental.

- (2) Payment for the Bases bid items is full compensation for providing concrete bases; for embedded conduit and electrical components; for anchor rods, nuts, and washers; for bar steel reinforcement; and for excavating, backfilling, and disposing of surplus materials.

ADDITIONAL SPECIAL PROVISION 7

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

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

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

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

ADDITIONAL SPECIAL PROVISION 9-S
Electronic Labor Data Submittal for
State Funded Only Projects

(1) Use the Workforce Utilization Report Microsoft Excel spread sheet, or other compatible spread sheet (i.e., Google Spread Sheet), to report required labor data. Details and the Excel spreadsheet are available online through the department's highway construction contract information (HCCI) site on the Labor, Wages, and EEO Information page at:

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

(2) Ensure that all tiers of subcontractors, including all trucking firms, submit their labor data electronically via the Excel spread sheet to the prime contractor within 14 calendar days of the end of each quarter (quarters are defined as January-March, April-June, July-September, and October-December). The prime contractor shall coordinate collection of their subcontractors' spread sheets and forward them to the Regional Labor Compliance Specialist within 21 calendar days of the end of each quarter. Every company or contractor providing physical labor towards completing the project is a subcontractor under this special provision.

(3) Upon receipt of contract execution, promptly make all affected companies or contractors aware of the requirements under this special provision and arrange for them to receive an Excel spreadsheet as part of their subcontract documents.

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

Non-discrimination Provisions

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. Compliance with Regulations: The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. Non-discrimination: The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

4. Information and Reports: The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance: In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the contractor under the contract until the contractor complies; and/or
- b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. Incorporation of Provisions: The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

Effective August 2015 letting

BUY AMERICA PROVISION

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

<http://wisconsindot.gov/rdwy/cmm/cm-02-28.pdf>

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

<http://wisconsindot.gov/hcciDocs/contracting-info/ws4567.doc>



Proposal Schedule of Items

Page 1 of 5

Proposal ID: 20180814004 Project(s): 2704-00-78, 3763-00-75

Federal ID(s): N/A, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0002 | 108.4400 CPM Progress Schedule | 1.000 EACH | _____. | _____. |
| 0004 | 201.0105 Clearing | 2.000 STA | _____. | _____. |
| 0006 | 201.0115 Clearing | 0.100 ACRE | _____. | _____. |
| 0008 | 201.0120 Clearing | 15.000 ID | _____. | _____. |
| 0010 | 201.0205 Grubbing | 2.000 STA | _____. | _____. |
| 0012 | 201.0215 Grubbing | 0.100 ACRE | _____. | _____. |
| 0014 | 201.0220 Grubbing | 15.000 ID | _____. | _____. |
| 0016 | 203.0100 Removing Small Pipe Culverts | 1.000 EACH | _____. | _____. |
| 0018 | 203.0200 Removing Old Structure (station) 002. Sta 378+36 | LS | LUMP SUM | _____. |
| 0020 | 204.0165 Removing Guardrail **P** | 267.000 LF | _____. | _____. |
| 0022 | 204.9090.S Removing (item description) 001. Drain Tile | 200.000 LF | _____. | _____. |
| 0024 | 206.2000 Excavation for Structures Culverts (structure) 001. C-51-85 | LS | LUMP SUM | _____. |
| 0026 | 206.2000 Excavation for Structures Culverts (structure) 002. B-30-142 | LS | LUMP SUM | _____. |
| 0028 | 210.2500 Backfill Structure Type B | 12,670.000 TON | _____. | _____. |
| 0030 | 305.0120 Base Aggregate Dense 1 1/4-Inch | 914.000 TON | _____. | _____. |
| 0032 | 311.0110 Breaker Run | 2,412.000 TON | _____. | _____. |



Proposal Schedule of Items

Page 2 of 5

Proposal ID: 20180814004 Project(s): 2704-00-78, 3763-00-75

Federal ID(s): N/A, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0034 | 450.4000 HMA Cold Weather Paving | 353.000 TON | _____. | _____. |
| 0036 | 455.0605 Tack Coat | 74.000 GAL | _____. | _____. |
| 0038 | 465.0105 Asphaltic Surface | 353.000 TON | _____. | _____. |
| 0040 | 504.0100 Concrete Masonry Culverts **P** | 1,079.000 CY | _____. | _____. |
| 0042 | 505.0400 Bar Steel Reinforcement HS Structures | 129,010.000 LB | _____. | _____. |
| 0044 | 505.0600 Bar Steel Reinforcement HS Coated Structures | 10,200.000 LB | _____. | _____. |
| 0046 | 511.1200 Temporary Shoring (structure) 001. B-30-142 | 1,287.000 SF | _____. | _____. |
| 0048 | 511.2200 Temporary Shoring Left in Place (structure) 001. B-30-142 | 614.000 SF | _____. | _____. |
| 0050 | 516.0500 Rubberized Membrane Waterproofing **P** | 119.000 SY | _____. | _____. |
| 0052 | 606.0200 Riprap Medium | 118.000 CY | _____. | _____. |
| 0054 | 608.0512 Storm Sewer Pipe Reinforced Concrete Class V 12-Inch | 200.000 LF | _____. | _____. |
| 0056 | 612.0700 Drain Tile Exploration | 200.000 LF | _____. | _____. |
| 0058 | 616.0700.S Fence Safety | 600.000 LF | _____. | _____. |
| 0060 | 619.1000 Mobilization | 1.000 EACH | _____. | _____. |
| 0062 | 623.0200 Dust Control Surface Treatment | 3,500.000 SY | _____. | _____. |



Proposal Schedule of Items

Page 3 of 5

Proposal ID: 20180814004 Project(s): 2704-00-78, 3763-00-75

Federal ID(s): N/A, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0064 | 624.0100 Water | 50.000 MGAL | _____. | _____. |
| 0066 | 625.0500 Salvaged Topsoil **P** | 11,548.000 SY | _____. | _____. |
| 0068 | 628.1104 Erosion Bales | 200.000 EACH | _____. | _____. |
| 0070 | 628.1504 Silt Fence | 2,087.000 LF | _____. | _____. |
| 0072 | 628.1520 Silt Fence Maintenance | 2,087.000 LF | _____. | _____. |
| 0074 | 628.1905 Mobilizations Erosion Control | 6.000 EACH | _____. | _____. |
| 0076 | 628.1910 Mobilizations Emergency Erosion Control | 4.000 EACH | _____. | _____. |
| 0078 | 628.2004 Erosion Mat Class I Type B | 13,748.000 SY | _____. | _____. |
| 0080 | 628.6510 Soil Stabilizer Type B | 2.630 ACRE | _____. | _____. |
| 0082 | 628.7560 Tracking Pads | 2.000 EACH | _____. | _____. |
| 0084 | 628.7570 Rock Bags | 100.000 EACH | _____. | _____. |
| 0086 | 630.0200 Seeding Temporary | 343.000 LB | _____. | _____. |
| 0088 | 643.0420 Traffic Control Barricades Type III | 3,000.000 DAY | _____. | _____. |
| 0090 | 643.0705 Traffic Control Warning Lights Type A | 6,000.000 DAY | _____. | _____. |
| 0092 | 643.0900 Traffic Control Signs | 23,100.000 DAY | _____. | _____. |
| 0094 | 643.0920 Traffic Control Covering Signs Type II | 5.000 EACH | _____. | _____. |
| 0096 | 643.1050 Traffic Control Signs PCMS | 14.000 DAY | _____. | _____. |



Proposal Schedule of Items

Page 4 of 5

Proposal ID: 20180814004 Project(s): 2704-00-78, 3763-00-75

Federal ID(s): N/A, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0098 | 643.5000 Traffic Control | 1.000 EACH | _____. | _____. |
| 0100 | 645.0105 Geotextile Type C | 1,859.000 SY | _____. | _____. |
| 0102 | 645.0120 Geotextile Type HR | 735.000 SY | _____. | _____. |
| 0104 | 646.1020 Marking Line Epoxy 4-Inch **P** | 1,060.000 LF | _____. | _____. |
| 0106 | 690.0150 Sawing Asphalt | 48.000 LF | _____. | _____. |
| 0108 | 715.0502 Incentive Strength Concrete Structures | 6,474.000 DOL | 1.00000 | 6,474.00 |
| 0110 | SPV.0035 Special 001. Natural Backfill Material | 434.000 CY | _____. | _____. |
| 0112 | SPV.0060 Special 001. Crash Cushion Temporary Left In Place | 4.000 EACH | _____. | _____. |
| 0114 | SPV.0060 Special 003. Sand Bags | 100.000 EACH | _____. | _____. |
| 0116 | SPV.0060 Special 013. Connect Drain Tile | 2.000 EACH | _____. | _____. |
| 0118 | SPV.0090 Special 001. Concrete Barrier Temporary Precast Delivered Special | 400.000 LF | _____. | _____. |
| 0120 | SPV.0105 Special 001. Survey Project 2704-00-78 | LS | LUMP SUM | _____. |
| 0122 | SPV.0105 Special 002. Survey Project 3763-00-75 | LS | LUMP SUM | _____. |
| 0124 | SPV.0105 Special 003. Temporary Access Road Culvert C-51-85 | LS | LUMP SUM | _____. |
| 0126 | SPV.0105 Special 004. Temporary Stream Diversion Culvert C-51-85 | LS | LUMP SUM | _____. |



Proposal Schedule of Items

Page 5 of 5

Proposal ID: 20180814004 Project(s): 2704-00-78, 3763-00-75

Federal ID(s): N/A, N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

| Proposal Line Number | Item ID Description | Approximate Quantity and Units | Unit Price | Bid Amount |
|----------------------|---|--------------------------------|------------|------------|
| 0128 | SPV.0105 Special 005. Temporary Stream Diversion Culvert B-30-142 | LS | LUMP SUM | _____. |
| 0130 | SPV.0170 Special 001. Removal and Disposal of Invasive Plant Species | 2.000 STA | _____. | _____. |
| Section: 0001 | | | Total: | _____. |
| | | | Total Bid: | _____. |

PLEASE ATTACH SCHEDULE OF ITEMS HERE