

HIGHWAY WORK PROPOSAL

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

Proposal Number: **018**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Fond Du Lac	1440-15-72	N/A	Fond Du Lac - Plymouth; Seven Hills Road-East County Line	STH 023
Fond Du Lac	1440-15-73	WISC 2020109	Fond Du Lac - Plymouth; Seven Hills Road-East County Line	STH 023

ADDENDUM REQUIRED ATTACHED AT BACK

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: \$850,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: March 10, 2020 Time (Local Time): 9:00 am	Firm Name, Address, City, State, Zip Code <h3 style="margin: 0;">SAMPLE</h3> <h3 style="margin: 0;">NOT FOR BIDDING PURPOSES</h3> <p style="margin: 0;">This contract is exempt from federal oversight.</p>
Contract Completion Time October 15, 2021	
Assigned Disadvantaged Business Enterprise Goal 8%	

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: Grading, Base, Milling, Concrete Pavement, Asphalt Pavement, Culvert Pipe Storm Sewer, Bridge Construction, Curb and Gutter, Sidewalk, Guardrail, Fence, Signs, Pavement Markings, Street Lighting	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 departments 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)

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

(Signature of Attorney-in-Fact)

NOTARY FOR PRINCIPAL

NOTARY FOR SURETY

(Date)

(Date)

State of Wisconsin)
) ss.
 _____ County)

State of Wisconsin)
) ss.
 _____ County)

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

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

(Signature, Notary Public, State of Wisconsin)

(Signature, Notary Public, State of Wisconsin)

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

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

(Date Commission Expires)

(Date Commission Expires)

Notary Seal

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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)

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.

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STSP'S Revised June 18, 2019

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Projects 1440-15-72 and 1440-15-73, Fond du Lac - Plymouth, Seven Hills Road – East County Line, Fond du Lac County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2020 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 (20190618)

2. Scope of Work.

The work under this contract shall consist of grading, base course, culverts, concrete pavement, HMA pavement, curb and gutter, Structures B-20-205, B-20-215 and B-20-218, pavement marking, and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

3. Prosecution and Progress.

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

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

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

Construction Staging Overview

Follow the construction operations as outlined below and as shown in the plans.

Stage 1A:

- Begin stage 1A during the 2020 construction season.
- Construct westbound STH 23 from Station 384+00 'WB' to Station 481+00 'WB'.
- Construct eastbound STH 23 from Station 476+50 'EB' to east project limits.
- Construct CTH G interchange earthwork. Do not place CTH G interchange storm sewer, base aggregate, or pavement prior to April 15, 2021.
- Construct Old Plank Trail.
- Construct cul-du-sacs at Log Tavern Road, Banner Road, Hickory Road, and Division Road.
- Construct CTH TTT to Pit Road.
- Construct Crossover A, Crossover B1, and Crossover C.
- Construct Frontage Road.
- Construct Park and Ride.
- Construct Structure B-20-205 & 215.
- Install cross pipes across existing STH 23 lanes at Station 654'WB'+66.

- Construct Structure B-20-218 pier only. Do not begin Structure B-20-218, except the pier, prior to April 15, 2021.
- Construct STH 23 westbound intersections at Seven Hills Road and Hinn Road. Construct STH 23 eastbound intersections at Loehr Road, Pit Road, and Hillview Road.
- Construct proposed medians at all locations except at Seven Hills Road, Hinn Road, Loehr Road, and Hillview Road.
- Construct temporary driveways and medians.

Stage 1B:

- Begin stage 1B during the 2020 construction season.
- Open Frontage Road to provide access to CTH G from Division Road by November 1, 2020.
- Open proposed Triple T(South) access to Pit Road and remove Triple T (South) access from STH 23 at Station 573+50 'EB'.
- Install cross pipes across existing STH 23 lanes at Station 572'WB'+65.
- Complete stage 1B prior to November 1, 2020.
- Continue to construct and complete remaining stage 1A objectives after stage 1B is completed.

Stage 2A:

- Begin stage 2A during the 2021 construction season.
- Construct crossover B2.
- Construct the remaining Structure B-20-218 after April 15, 2021.
- Construct CTH G interchange storm sewer, base aggregate, pavements, and all remaining work.
- Construct STH 23 eastbound intersections at Seven Hills Road and CTH W (South). Complete all proposed median work except at Seven Hills Road and CTH W (South).
- Construct eastbound STH 23 work from Station 395+00 'EB' to Station 476+50 'EB'.

Stage 2B:

- Begin stage 2B after crossover B2 is complete. Continue to construct and complete other stage 2A objectives.
- Construct westbound STH 23 work from Station 481+00 'WB' to Station 670+33 'WB'.
- Construct STH 23 westbound intersections at CTH W (North), Log Tavern Road, Pit Road, CTH TTT (North), and Hillview Road.
- Construct proposed medians at all locations except at CTH W(North) and Hillview Road.
- Mill and pave westbound STH 23 from Station 680+00 'WB' to east project limits at locations shown in the plan under single lane closures.
- Complete CTH G interchange prior to Stage 2C.
- Remove crossover D

Stage 2C:

- Remove temporary driveways and medians.
- Open the outer U-Turns of the R-CUT intersections at the beginning of stage 2C.
- Complete remaining STH 23 median work. Place splitter islands in side road legs at Seven Hills Road, CTH W (South), Hinn Road, CTH W (North), Loehr Road, and Hillview Road.
- Remove crossover B2 and C. Complete R-Cut at Station 481+00 'EB'.

Earthwork Staging

Construct the select crushed material, base aggregate, pavements, and roadway finishing items within the same construction season for any roadway location on STH 23. If these items are not constructed in the same construction season that the earthwork is completed for any location, the following earthwork construction requirements apply:

- In cuts, excavate no lower than to the top of finished subgrade elevation (bottom of proposed base aggregate layer) in the 2020 construction season. Remaining excavation to the bottom of subgrade improvement or EBS shall be performed in the 2021 construction season.
- In fills, complete the roadway embankment up to the bottom of proposed subgrade improvement in the 2020 construction season, completing the remaining work in 2021 construction season.
- The department will evaluate for approval the final subgrade and earth grade at the bottom of subgrade improvement or EBS in the 2021 construction season, immediately prior to subsequent construction operations.

Complete the construction of the CTH G interchange roadway embankment in the 2020 construction season. Do not construct storm sewer, base aggregate, or pavement prior to April 15, 2021, to allow for fill settlement before those subsequent items are placed in 2021.

Interim Liquidated Damages – CTH G Frontage Road

If the contractor fails to complete the work necessary to open the Frontage Road from CTH G to Division Road to through traffic prior to 12:01 AM November 1, 2020, the department will assess the contractor \$750 in interim liquidated damages for each calendar day that the roadway remains closed after 12:01 AM, November 1, 2020. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

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

STH 23 Right-of-Way Available for Construction Activities

The contractor shall not perform construction activities nor store equipment nor materials on STH 23 right-of-way that is more than 20 feet beyond the grading limits indicated in the plan, unless approved by the engineer.

Fish Spawning

There shall be no instream disturbance of the Sheboygan River and unnamed tributary to the Sheboygan River which cross STH 23 at Station 450+50 and Station 588+75 as a result of construction activity under or for this contract, from March 1 to June 15 both dates inclusive, in order to avoid adverse impacts upon the spawning of fish species.

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.

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Migratory Birds

Swallow and other migratory birds' nests have been observed on or under the existing cattle pass at Station 588+40. 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. Options to address nesting involve preventing them from becoming active in spring by either continuously removing nests or installing a suitable netting device prior to nesting activity or applying for a depredation permit from the US Fish and Wildlife Service for work that may disturb or destroy active nests. To help ensure that active nests are prevented from becoming established in spring of 2020, the department and/or

Fond du Lac County Highway Commission will continuously remove any nests identified on or under the cattle pass prior to work beginning on this contract. As soon as the contractor begins work on this contract, the contractor will be required to continue addressing nesting by using one of the options mentioned above. Include the cost for preventing nesting or applying for, acquiring, and following the requirements of a depredation permit in the cost of Removing Old Structure (588+40).

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 may not have been observed on this project, but conditions to support the species exist. 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).

In accordance to the final 4(d) rule issued for the NLEB, the department has determined that the proposed activity may affect, but will not result in prohibited take of the NLEB. The activity involves tree removal, but will not occur within 0.25 miles of a known hibernacula, nor will the activity remove a known maternity roost tree or any other tree within 150 feet of a known maternity roost tree.

If additional trees need to be removed, no Clearing shall occur without prior approval from the engineer, following coordination with the WisDOT REC. Additional tree removal beyond the area originally specified will require consultation with the United States Fish and Wildlife Service (USFWS) and may require a bat presence/absence survey. Notify the engineer if additional Clearing cannot be avoided to begin coordination with the WisDOT REC. The WisDOT REC will initiate consultation with the USFWS and determine if a survey is necessary.

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.

4. Traffic.

Full access to side roads shall be maintained at all times except when necessary to complete construction at the side road or intersection. Do not close consecutive side roads at the same time. Minimize the duration during which side road access is closed by giving the work the constant attention necessary to promote the progress and completion of the work required to reopen each of those side roads.

Seven Hills Road, CTH W (South), Hinn Road, CTH W (North), Loehr Road, Log Tavern Road (North), Triple T (South), Pit Road, CTH TTT (North), and Hillview Road must remain open at all times with the exceptions as described in each stage below.

Maintain STH 23 traffic on paved surface at all times.

All intersections and side roads shall be open on paved surface during the winter of 2020-2021.

Prior to closing any side roads notify the police department, fire department, post office and emergency responders with 24 hour advanced notice.

Driveway access may be closed only for the minimum time required for construction. Prior to closing entrances, give 48-hour notice to residents and owners. Driveway access may be discontinued temporarily during removals, excavation, asphalt paving and base aggregate operations, but must be reopened on a minimum of a base aggregate surface by the end of each day.

STH 23 traffic detoured for four nighttime periods to construct the culverts at Station 572'WB'+65 and Station 654'WB'+66. Westbound STH 23 traffic detoured to southbound CTH U, to westbound CTH T, to southbound CTH K, to westbound CTH V, to northbound USH 151, to STH 23. Eastbound STH 23 traffic detoured to southbound STH 151, to eastbound CTH V, to northbound CTH K, to eastbound CTH T, to northbound CTH U, to STH 23.

Traffic Staging for Construction

Stage 1A:

Maintain STH 23 traffic to a single lane in each direction on the existing STH 23 lanes from Station 384+00 'WB' to Station 745+60 'WB'.

Close Log Tavern Road south of STH 23.

Close Banner Road south of STH 23.

Close Hickory Road north of STH 23.

Close Division Road north and south of STH 23.

Install cross pipes across existing STH 23 lanes at STA 654'WB'+66 under night time full closures.

Close CTH G north and south of STH 23. CTH G traffic detoured to construct interchange. Southbound CTH G traffic detoured to eastbound CTH C, to southbound CTH P, to southbound CTH A, to eastbound CTH T, to CTH G. Northbound CTH G traffic detoured to westbound CTH T, to northbound CTH A, to northbound CTH P, to westbound CTH C, to CTH G.

The westbound legs of Seven Hills Road and Hinn Road and eastbound legs of Loehr Road, Pit Road, and Hillview Road are each allowed to be closed for a maximum 14 consecutive calendar days. The work necessary to open each leg to traffic includes placement of HMA pavement, aggregate shoulders, curb and gutter, signing, and pavement marking.

Maintain full access across side road median crossings as shown in the traffic control plan. Maintain those medians on a paved surface at all times.

Stage 1B:

Close existing Triple T (South) at STH 23 for a maximum of 7 consecutive calendar days to construct the new proposed re-alignment connection. Open proposed Triple T (South) to traffic on the final pavement cross section.

Open Frontage Road to traffic from CTH G to Division Road on the final pavement cross section.

Install cross pipes across existing STH 23 lanes at Station 572'WB'+65 under night time full closures.

Stage 2A:

Maintain STH 23 traffic to a single lane in each direction on crossover A, newly constructed westbound lanes from Station 384+00 'WB' to Station 481+00 'WB', crossover B1, and existing lanes from Station 486+00 'WB' to Station 745+60 'WB'.

The eastbound legs of Seven Hills Road and CTH W (South) are each allowed to be closed for a maximum 14 consecutive calendar days. The work necessary to open each leg to traffic includes placement of HMA pavement, aggregate shoulders, curb and gutter, signing, and pavement marking.

Maintain full access across side road median crossings as shown in the traffic control plan. Maintain those medians on a paved surface at all times.

Stage 2B:

Maintain STH 23 traffic to a single lane in each direction on crossover A, newly constructed westbound lanes from Station 384+00 'WB' to Station 475+00 'WB', crossover B2, and eastbound lanes from Station 476+50 'EB' to Station 675+00 'EB'.

Maintain westbound STH 23 traffic to a single lane on crossover C.

Maintain STH 23 traffic to a single lane in each direction on eastbound and westbound lanes from Station 685+00 'WB' to 760+00 'WB'.

The westbound legs of CTH W (North), Log Tavern Road, Pit Road, CTH TTT (North), and Hillview Road are each allowed to be closed for a maximum 14 consecutive calendar days. The work necessary to open each leg to traffic includes placement of HMA pavement, aggregate shoulders, curb and gutter, signing, and pavement marking.

Maintain full access across side road median crossings as shown in the traffic control plan. Maintain those medians on a paved surface at all times.

Open entire CTH G interchange to traffic prior to Stage 2C.

Complete permanent signing prior to opening traffic to stage 2C.

Stage 2C:

Maintain STH 23 traffic to a single lane in each direction on the eastbound and westbound lanes.

Maintain westbound STH 23 traffic to a single lane on crossover A.

The STH 23 inside lanes must be closed while working inside the median.

Open the Open the outer U-Turns of the R-CUT intersections at the beginning of stage 2C.

Complete splitter island work on the side road legs under flagging operations.

All STH 23 median openings must remain open at all times with the exceptions as described below for median work.

The medians at Seven Hills Road, Hinn Road, CTH W (North) / Loehr Road including the west R-Cut, and Hillview Road are each allowed to be closed for a maximum 14 consecutive calendar days. The work necessary to open each median to traffic includes placement of HMA pavement, aggregate shoulders, curb and gutter, signing, and pavement marking.

Wisconsin Lane Closure System OSOW

In the Wisconsin Lane Closure System Advance Notification Table 108-1 below, available width is typically defined as the total width of the paved lane plus the paved shoulder for one direction of traffic. Since existing STH 23 has only 15 feet (12' lane + 3' paved shoulder) of available paved width in each direction, WisDOT allows 1 foot of the adjacent gravel shoulder to be included as part of the available width for this section of highway.

STH 23 is a designated WisDOT Freight Network Route and WisDOT Wind Tower Corridor. Maintain an available width no less than 16 feet (12' lane + 3' paved shoulder + 1' additional gravel or paved shoulder) at all times in each direction, except during the allowable full closures of STH 23 discussed below and during lane closures determined necessary and approved by the engineer. If this minimum width is maintained for traffic, advanced notification according to the Wisconsin Lane Closure System (WLCS) is not required. Movement of standard OSOW freight including wind tower base loads is scheduled to occur during this construction project. Wind tower loads that normally require 16 feet of available paved width are allowed by WisDOT Oversize/Overweight permit to travel along this section of STH 23.

For situations which the engineer confirms that construction activities require available widths less than the minimum required widths for both directions of STH 23 traffic as defined above, reduce STH 23 to a single counter-directional lane of no less than 16 feet of available width via flagging operations during daytime hours only. Prior to reducing traffic to one lane, acquire approval from the engineer to do so and provide the minimum advanced notification according to the WLCS Table 108-1 below. Notification to freight companies and WisDOT Oversize/Overweight Permits Unit of such lane closures is provided through the WLCS. Contact WisDOT Northeast Region Traffic Engineer, Rod Hamilton, at (920) 366-4747 with questions.

Allowable Full Closures and Associated Detours and Damage Assessment

The contractor will be allowed to close STH 23 for a total of four nighttime periods during the hours of 6:00 PM – 6:00 AM, between Monday PM – Sunday AM, to complete the culverts at Station 572'WB'+65 and Station 654'WB'+66.

If the contractor fails to open all lanes of STH 23 to traffic by 6:01 AM, hourly damages will be assessed at a rate of \$1,000 per hour for each full or partial hour that any traffic lanes remain closed beyond 6:01 AM. Hourly damages will be assessed under administrative item 801.0104 Failing to Open Road to Traffic.

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

Allowable Rolling Closures

For setting of the B-20-218 girders, westbound and eastbound STH 23 may be closed for periods not to exceed 20 minutes between the hours of 6:00 PM to the following morning at 6:00 AM, Sunday, Monday, Tuesday, Wednesday, and Thursday nights. Allow all vehicle backups to clear the project area prior to

setting up the next road closure during the above timeframe. The department has contracted with the Wisconsin State Highway Patrol to assist with traffic control operations by setting up rolling roadblocks for these closures. Coordinate with State Patrol Sargent Luke Newman at (920) 328-4528 (secondary contact is Region Traffic Engineer, Josh Falk at (920) 360-3107), on these road closures and provide 7 day advance notice to 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 less than 16 feet)	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 feet or greater)	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.

Portable Changeable Message Signs - Message Prior Approval

After coordinating with department construction field staff, notify the Northeast Region Traffic Section at (920) 366-8033 (secondary contact number is (920) 360-3107) 3 business days before deploying or changing a message on a PCMS to obtain approval of the proposed message. The Northeast Region Traffic Unit will review the proposed message and either approve the message or make necessary changes.

PCMS boards shall be deployed on STH 23 7 days prior to the start of construction.

PCMS boards shall be deployed on STH 23 7 days prior to spring startup.

PCMS boards shall be deployed on sideroad 7 days prior to a 14 consecutive calendar day closures.

PCMS boards shall be deployed on STH 23 3 days prior to night time closures.

Temporary Work Zone Clear Zone Working Restrictions.

The temporary work zone clear zone for this project is 10-feet from the edge of traveled way.

Do not perform work within the clear zone unless protected by concrete barrier temporary precast or a lane closure.

5. Holiday and Special Event Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying STH 23 traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday periods:

- From noon Friday, May 22, 2020 to 6:00 AM Tuesday, May 26, 2020 for Memorial Day;
- From noon Thursday, July 2, 2020 to 6:00 AM Monday, July 6, 2020 for Independence Day;

- From noon Friday, September 4, 2020 to 6:00 AM Tuesday, September 8, 2020 for Labor Day.
- From 6:00 AM Monday, September 21, 2020 to 6:00 AM Monday, September 28, 2020 for Ryder Cup at Whistling Straits.
- From noon Friday, May 28, 2021 to 6:00 AM Tuesday, June 1, 2021 for Memorial Day;
- From noon Friday, July 2, 2021 to 6:00 AM Tuesday, July 6, 2021 for Independence Day;
- From noon Friday, September 3, 2021 to 6:00 AM Tuesday, September 7, 2021 for Labor Day.

6. Utilities.

This contract comes under the provision of Administrative Rule Trans 220.

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

Discontinued facilities exist within the project limits and utility owner will discontinue some additional facilities in place after relocating facilities to avoid conflicts with the proposed work. Removal by the contractor of any discontinued facilities necessary to complete the proposed work, including plugging the remaining ends of the facility, is considered incidental to the contract. Contact each utility company individually to verify if any discontinued facilities can be expected.

Prospective bidders are cautioned that the arrangements set forth in this Article represent the utility companies' best estimate of their plans to relocate and/or adjust conflicting facilities. Frequently, the utility companies encounter problems that prevent them from meeting their anticipated schedules.

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

Additional detailed information regarding the location of utility facilities is available at the region WisDOT office during normal working hours.

Project 1440-15-72

Alliant Energy (electric) maintains overhead and underground facilities along entire length of the project. Utility conflicts will be relocated prior to construction.

Alliant Energy will discontinue the existing overhead facility on the south side of STH 23 along the entire length of the project.

Alliant Energy will install a new overhead facility along the north right-of-way of STH 23 from Station 384+00 to Station 667+00. The overhead line will cross STH 23 at Station 647+00 and continue along the south side of STH 23 to Station 745+60.

Underground facilities will be install crossing STH 23 at Station 397+35, Station 446+00, Station 459+50, Station 467+50, Station 505+00, Station 570+00, Station 581+00, Station 608+00, Station 648+00, and Station 731+00.

Relocation start date is anticipated to begin on December 15, 2019 and completed in approximately 45 working days.

The field contact for this project is: Matt Schmitz, 506 Fenton Street, Ripon Wisconsin 54971. Telephone: (920) 748-4011 office, (920) 238-1137 mobile. Email: matthewschmitz@alliantenergy.com.

AT&T Wisconsin (communication) maintains overhead and underground facilities along the project length from Station 384+00 to Station 676+40, which is the end of AT&T service territory. Utility conflicts will be relocated prior to construction.

Discontinue existing underground facility along south side of STH 23 from Station 396+00 to Station 420+00 RT and the underground crossing at Station 412+50; install underground crossing of STH 23 at Station 416+00 and along east side of Seven Hills Road.

Discontinue existing underground facility along the south side of STH 23 from Station 448+00 to Station 468+00 and the crossing at Station 468+00; install underground facility along the south side of STH 23 in the designated utility corridor and cross STH 23 at Station 448+00 and 467+00.

Discontinue existing underground facility along the north side of STH 23 from Station 468+00 to Station 495+00; install underground facility along the south side of STH 23 in the designated utility corridor from Station 489+00 to Station 494+00 (west side of Leoher Road), with a crossing of TH 23 at Station 489+00.

Discontinue existing underground facility along the south side of STH 23 from Station 495+00 to Station 515+00.

Discontinue existing underground facilities along the south side of STH 23 from Station 535+00 to Station 540+00 and along the east side of Log Tavern Road; install underground facilities along the east side of Log Tavern Road, crossing STH 23 at Station 536+00.

Discontinue existing underground facilities from STS 573+00 to Station 676+00+00, and crossing of STH 23 at Station 564+00, Station 582+00, Station 605+00, Station 619+00 and ST 664+00, and along the west side of Triple T Road and the west side of Pit Road; install new underground facilities along the south right-of-way of Triple T Road (south) to Station 581+00, then continue east along the south side of STH 23, within the designated utility corridor, to Station 631+00, crossing STH 23 at Station 632+00 and continuing north along Triple T Road (north), and crossing STH 23 at Station 663+00 and continuing north along the east side of Hillview Road.

Relocation start date is anticipated to begin on January 1, 2020 and completed in approximately 60 working days.

The field contact for this project is: Chuck Bartelt, 70 east Division Street, Fond du Lac, Wisconsin 54935. Telephone: (920) 929-1013 and (920) 410-5104 mobile. Email: CB1461@ATT.com.

American Transmission Company (electric) maintains a 345 kV overhead electric transmission facility that crosses STH 23 near Station 453+00. No conflicts are anticipated.

Maintain a safe working clearance to 345 kV conductors at all times as per the latest OSHA requirements.

The field contact for this project is: Doug Vosberg, 5303 Fen Oak Drive, Madison, Wisconsin 53718. Telephone: (608) 877-7650. Email: dvosberg@atcllc.com.

Charter Communications (communications) maintains an overhead facility along the west side of CTH G that crosses STH 23. Conflict to be relocated prior to construction.

Charter Communication facilities are located jointly on poles to be relocated by Alliant Energy.

Charter Communication anticipates 30 working days to complete transfer to the new facility installed by Alliant Energy.

The field contact for this project is: Todd Hildebrandt, 165 Knights Way, Fond du Lac, Wisconsin, 54935. Telephone: (920)907-7724 and (920) 794-4946 (mobile). Email: todd.hilebrandt@charter.com.

Frontier Communications (communications) maintains underground facilities along STH 23 from the beginning of the service area at Station 676+00 and continuing east to the project limits; along the west side of CTH G, crossing STH 23 near Station 716+00; and along the west side of Division Street, crossing STH 23 at Station 743+00. Utility conflicts will be relocated prior to construction.

Frontier Communications will discontinue the existing underground facility and install a new underground facility along the north right-of-way of STH 23.

Relocation start date is anticipated to begin on January 1, 2020 and completed in approximately 60 working days.

The field contact for this project is: Cal Klade, 521 4th Street, Wausau, WI 54403, Telephone: (715) 573-2110. Email: calvin.klade@ftr.com.

Project 1440-15-73

All utilities within the construction limits of Project 1440-15-73 were coordinated under project 1440-15-72. There are no known utility conflicts within the construction limits for this project.

- **Alliant Energy**
- **AT&T Wisconsin**
- **ACT Management, Inc**
- **Charter Communications**
- **Frontier Communications of WI, LLC**

Additional detailed information regarding the location of discontinued, relocated, and/or removed utility facilities is available in the work plan provided by each utility company or on the permits issued to them. These documents can be viewed at the WisDOT Region office during normal working hours.

7. Other Contracts.

1440-13-72

The department let STH 23 project 1440-13-72, West County Line to CTH P in Sheboygan County, in January of 2020. Work under this project will begin in summer 2020 and includes grading, paving, structure, and culvert extensions along STH 23. Coordinate traffic control staging, work zone traffic control, detours, roadway and lane closures, trucking activities and other work items with this project as necessary.

4854-04-71

The department will let CTH G bridge replacement project 4854-04-71, Mullet Creek Bridge in Fond du Lac County, in 2021. Complete the Frontage Road from CTH G to Division Road by 12:01 November 1, 2020 to ensure local access is maintained once the CTH G bridge project begins. Coordinate traffic control staging, work zone traffic control, detours, roadway and lane closures, trucking activities and other work items with the project as necessary.

1009-33-31

The department will let project 1009-33-31, deck sealing in Fond du Lac, Calumet, Winnebago, and Outagamie Counties. Work under this project will begin in 2020 and includes Structure B-20-0076, STH 23 over Sheboygan River. Coordinate traffic control staging, work zone traffic control, detours, roadway and lane closures, trucking activities and other work times with the project as necessary.

1440-15-71

The department will let project 1440-15-71, USH 151 to Seven Hills Road in Fond Du Lac County, in March 2021. Work under this project will begin in summer 2021 and includes grading, paving, and structures. Coordinate traffic control staging, work zone traffic control, detours, roadway and lane closures, trucking activities and other work items with this project as necessary.

8. 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 before the start of work under this contract and no further meetings will be required unless directed by the engineer. The contractor shall arrange for a suitable location for meetings that provides reasonable accommodation for public involvement. The department will prepare and coordinate publication of the meeting notices and mailings for meetings. The contractor shall coordinate the scheduling of the meeting with the engineer at least 2 weeks prior to the meeting to allow for these notifications.

9. Work by Others.

At the J turns (STH 23 & Loehr R. and STH 23 & Seven Hills Rd.), Roundabouts (STH 23 EB/WB & CTH G), and Park and Ride, the Wisconsin Department of Transportation Northeast Region Electrical Unit will perform the following work:

- Provide and install the lighting control cabinet
- Terminate all electrical wire in the lighting control cabinet

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

The department has obtained a U.S. Army Corps of Engineers Section 404 permit. Comply with the requirements of the permit in addition to requirements of the special provisions. A copy of the permit is available from the regional office by contacting Eric Danke at (920) 492-5647.

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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 Eric Danke at (920) 492-5647. Post the permit in a conspicuous place at the construction site.

stp-107-056 (20180628)

12. Notice to Contractor – Vertical and Horizontal Control.

Vertical and horizontal control information in the contractor data packet that may have been posted to the department's website prior to the bid letting includes data obtained from 2019 survey. Due to anticipated effects of freeze/thaw on this control over the 2019/2020 and 2020/2021 winter seasons, the department will update this control data with new surveys in each spring of the 2020 and 2021 construction seasons. To obtain this updated vertical and horizontal control each year, contact Paul Brauer at (920) 366-1097 three weeks prior to start of construction each year.

13. Notice to Contractor – Quackenboss Property, Parcel Number 162

The Quackenboss property, parcel number 162 as shown in the plat, is not expected to be vacated until June 1, 2020. Do not perform work on this property nor remove its driveway access until the property has been vacated and approval is received from the engineer.

14. Notice to Contractor – Temporary Haul Roads Crossing STH 23.

Any construction equipment crossing STH 23 cannot impede STH 23 traffic flow. Control construction equipment crossing STH 23 with flaggers and appropriate signage. Maintain stopping sight distance for STH 23 traffic at all crossings. Determine stopping sight distance with engineer. All crossing locations must be approved by the engineer. Any flagging, signs, maintenance, or repair needed due to the construction equipment crossing STH 23 will be incidental to the contract and will be directed by the engineer.

15. Environmental Protection, Amphibian or Reptile Species

Blanding's Turtle are known to inhabit wetlands and waterways associated with the Upper Sheboygan River Basin. It is reasonable to assume that blanding's turtles may be present at or near the project site during construction. If project construction starts in the spring, protect the perimeter of the areas to be disturbed with properly trenched-in silt fence prior to May 1 to discourage turtles from entering the work

area. Extend silt fence to include the Silt Fence Turn-Around Detail per the plan. If the construction area cannot be silt-fenced by May 1, install the silt fence prior to construction activities. Also, survey the area behind the silt fence and remove all turtles confined within the project area prior to any site disturbance. Complete the survey and removal of turtles from construction areas periodically throughout the construction period. Any amphibians or reptiles that are found in the active work zone shall be removed and relocated outside the active work zone. If there is an amphibian or reptile mortality, please contact Jay Schiefelbein at (920) 360-3784.

16. Environmental Protection, Non-Aquatic Invasive Species Plants.

Supplement standard spec 107.18 with the following:

(8) Phragmites, an invasive species plant, is known to exist within the project limits and in areas that ground disturbance or excavation work is shown in the plans.

All soils containing plant or root fragments within the roadway construction limits that will be excavated or salvaged as part of the work within the contract shall be used as fill per standard spec 205.3.12, wasted on a tilled farm field that will continue to be tilled, or deposited at an engineer approved waste site. If used as fill per standard spec 205.3.12, the soils shall be buried under a minimum of 5 feet of fill not containing invasive plant or root fragments.

All waste sites are subject to review and approval by the department and shall be suitable for the waste of material containing invasive species to control their spread in compliance with NR 40. Waste sites suitable for invasive species would be areas that would prevent or control growth and spread of the plant by burying, mowing or other control practices. The contractor shall submit his method for managing phragmites infested soil on this project for approval as part of the Erosion Control Implementation Plan.

Known Phragmites locations include:

Station 500'WB'+00 to Station 504'WB'+00, LT

Station 525'EB'+00 to Station 528'EB'+00, LT

The known locations of phragmites infestation noted above are shown in the plans, but other locations may exist. Notify the engineer of any additional areas of phragmites that are identified. The limits of all previously and newly identified locations of phragmites are to be verified by engineer in the field prior to any soil disturbance taking place.

Prior to moving equipment out of the infested area clean soils, seeds, plant parts, or invertebrates from exterior surfaces. Use most effective method that is practical by the following methods: Brush, broom, or other hand tools; high pressure air; steam cleaning; or portable wash station that contains runoff from washing equipment. Do not clean equipment, vehicles or trailers in or near waterways as it may promote the spread of invasive species downstream.

17. Environmental Protection, By-Pass Pumping.

Add the following to standard spec 107.18:

If by-pass pumping is required, the means and methods proposed to be used during construction shall be submitted for approval as part of the Erosion Control Implementation Plan for each location it is required. The submittal shall include how the intake will be managed to not cause an increase in the background level turbidity during pumping; equipment pumping rate capabilities; discharge energy dissipation; and erosion controls. For by-pass pumping that will extend beyond one working day, the submittal should also include how the work zone will be managed and protected should the pump fail; be shut down due to unacceptable water quality; or storm water flows exceed the pumping rate of equipment. After setup of the approved by-pass pumping operation, the contractor shall demonstrate that the means and methods will pump the water at an acceptable water quality before starting work that necessitates the by-pass pumping. The cost of all work and materials associated with by-pass pumping is incidental to the bid items the work is associated with. Erosion control devices beyond the discharge energy dissipation point will be paid for at the contract unit prices for the items that are included in the plan.

ner-107-035 (20180212)

18. Environmental Protection, Dewatering.

Add the following to standard spec 107.18:

If dewatering is required, treat the water to remove suspended sediments by filtration, settlement or other appropriate best management practice before discharge. The means and methods proposed to be used during construction shall be submitted for approval as part of the Erosion Control Implementation Plan for dewatering at each location it is required. The submittal shall also include the details of how the intake will be managed to not cause an increase in the background level turbidity before treatment and any additional erosion controls necessary to prevent sediments from reaching the project limits or wetlands and waterways. Guidance on dewatering can be found on the Wisconsin Department of Natural Resources website located in the Storm Water Construction Technical Standards, Dewatering Code #1061, "Dewatering". This document can be found at the WisDNR website:

http://dnr.wi.gov/topic/stormwater/standards/const_standards.html

The cost of all work and materials associated with water treatment and/or dewatering is incidental to the bid items the work is associated.

ner-107-040 (20180212)

19. Construction Over or Adjacent to Navigable Waters.

The Sheboygan River is classified as a state navigable waterway under standard spec 107.19.

stp-107-060 (20171130)

20. Erosion Control.

Add to standard spec 107.20 as follows:

Perform construction operations in a timely and diligent manner, continuing all construction operations methodically from the initial topsoil stripping operation through the subsequent grading and finishing to minimize the period of exposure to erosion.

Re-topsoil graded areas within 24 hours, or as designated by the engineer, after grading is completed within those areas. Seed, fertilize, and mulch or erosion mat all topsoiled areas within five working days after placement of topsoil.

21. Erosion Control – Permanent Restoration

Add to standard spec 107.20 as follows:

At a minimum or as the engineer directs, for every 10 feet of fill placed or cut created, measured vertically, the contractor shall finish grade to the lines and sections the plans show and place permanent erosion control items including out to the slope intercepts. Permanent erosion control includes but is not limited to topsoil, mulch, matting, rip rap, and seeding. Do not construct the subsequent 10-foot fill or cut section until the previous 10-foot fill or cut section is restored.

22. Erosion Control Implementation Plan (ECIP).

Before submittal of the ECIP, arrange a pre-ECIP meeting with the department to go over proposed staging and environmental restrictions. Detail all temporary wetland impacts including acres of these impacts to ensure compliance with all environmental restrictions. Include plans for staging large fills and plans for placing temporary and permanent erosion control items. Detail all construction entrance locations and erosion control techniques to minimize sediment movement out of the project site.

23. Erosion Control Structures.

Within seven calendar days after completing backfill placement for each of the B-20-205 and B-20-215 structures, complete grading and topsoiling, and place all permanent erosion control devices within

100 feet of each structure, including riprap, erosion mat, ditch checks, seed, fertilizer, mulch, soil stabilizer, or any other item required by the contract or deemed necessary by the engineer. Before construction operations begin on these structures, place turbidity barriers, silt screens, and other temporary erosion control measures as the plans show and remove them after the permanent erosion control devices are in place unless directed otherwise by the engineer.

24. Select Site Archaeological Study.

Give the department 30 days' notice for locations of borrow pits to be used on Projects 1440-15-72/73. The department will perform a phase 1 archeological survey of the sites to determine if the sites can be cleared for archaeology, per the stipulation contained in the Section 106 Memorandum of Agreement for the project. The sites must be cleared by the department before any groundbreaking disturbances can occur and for the sites to be included in the ECIP. The department will contract with an approved archeologist to perform the phase 1 archeological survey. The department will not pay for any further investigation beyond a phase 1 archeological survey.

If the department does not clear the select sites based on the results of phase 1 archeological study the options are:

1. Choose a new site. This site will need to follow the approval process above.
2. Submit modified select site limits (if feasible based on-site limits) to avoid the resource identified during the phase 1 archeological survey to the Bureau of Technical Services (BTS) for approval and clearance.
3. Have a qualified archaeologist, approved by the department, conduct phase 2 archaeological survey to determine if the site is significant. Submit findings to BTS for review/approval and/or coordination with WHS/SHPO.

For any of the options, discovery of an archaeological resource may prevent the department from approving the site at any point in the review process.

ner-107-020 (20190718)

25. Archaeological and Historical Findings.

Supplement standard spec 107.25(1) as follows:

These discoveries may result in potential delays to the contractor. The contractor shall stop construction in the area of the discovery to permit implementation of mitigation measures, including providing an opportunity for consulting tribes to perform tribal ceremonial activities.

26. Removing Height Modernization Geodetic Survey Monument, Item 204.9060.S.01.

A Description

This special provision describes removing Height Modernization Geodetic Survey Monuments at the locations shown in the plans and salvaging the 3.5-inch bronze disk on the monument as shown on the plans according to the pertinent provisions of standard spec 204 and as hereinafter provided. The 3.5-inch diameter bronze geodetic survey disk is set in the top of a 16-inch diameter concrete base.

B (Vacant)

C Construction

Unless the plans show otherwise, remove the Height Modernization Geodetic Survey Monument concrete base as follows:

1. Within the roadbed, to a depth at least 2 feet below the subgrade.
2. Outside the roadbed, to a depth at least 2 feet below the finished grade.
3. At any location, to the extent required to avoid interfering with the work.

Remove the Height Modernization Geodetic Survey Monument and salvage the bronze disk according to standard spec 204.3.1.3. The bronze disk remains property of the department. Store the disk in the field office for WisDOT Central Office Geodetic Survey Unit staff to collect and deliver to the NGS Regional Geodetic Advisor – Great Lakes Region (MI-IN-IL-WI). Notify Jacob Rockweiler, P.E., WisDOT

Wisconsin Height Modernization Program Manager, (608) 243-5992, jacob.rockweiler@dot.wi.gov, when the disk has been removed, salvaged and stored in the field office.

For additional information regarding geodetic survey control stations, please refer to Construction and Materials Manual (CMM) 7-85.2 at the following:

<https://wisconsin.gov/rdwy/cmm/cm-07-85.pdf#cm7-85>

Please report endangered Wisconsin Height Modernization program geodetic control survey stations not identified in the plans by calling (866) 568-2852 or by emailing information geodetic@dot.wi.gov.

D Measurement

The department will measure Removing Height Modernization Geodetic Survey Monument as each monument removed, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.01	Removing Height Modernization Geodetic Survey Monument	EACH

Payment is full compensation for removing the Height Modernization Geodetic Survey Monument concrete base, salvaging and storing the 3.5-inch bronze disk at the field office and notifying the department that the disk is ready for pick-up.

27. Excavation, Hauling, and Disposal of Petroleum Contaminated Material, Item 205.0501.S.

A Description

A.1 General

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

Advanced Disposal Glacier Ridge Landfill
N7296 Hwy V
Horicon, Wisconsin 53032

Waste Management Solutions Valley Trail Landfill
N9101 Willard Road
Berlin, Wisconsin 54923

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

A.2 Notice to the Contractor – Contaminated Material Location(s)

The department completed testing for soil and groundwater contamination for locations within this project where excavation is required. Testing indicated that contaminated material is present at the following location(s):

- Station 619+30 to Station 620+40, from 70 feet right of the reference line to construction limits on the right.

Contaminated soils and/or groundwater and/or underground storage tanks (USTs) may be encountered at other locations within the construction limits. If contaminated soils and/or groundwater and/or USTs are encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer. Contaminated soil and/or groundwater at other locations shall be managed by the contractor under this contract. USTs will be removed by others.

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

Name: Kathie VanPrice
Wisconsin DOT, Northeast Region

Address: 944 Vanderperren Way
Green Bay, WI 54324
Phone: (920) 492-7175
Fax: (920) 492-5640
E-mail: Kathie.VanPrice@dot.wi.gov

Name: Dan Haak
TRC Environmental Corporation
Address: 708 Heartland Trail, Ste 3000
Madison, WI 53717
Phone: (608) 826-3628
Fax: (608) 826-3941
E-mail: DHaak@trccompanies.com

A.3 Coordination

Coordinate work under this contract with the environmental consultant retained by the department:

Consultant: TRC Environmental Corporation
Address: 708 Heartland Trail, Suite 3000, Madison, WI 53717
Fax: (608) 826-3941
Contact: Dan Haak
Phone: (608) 826-3628 office, (608) 886-7423 mobile
E-mail: DHaak@trccompanies.com

The role of the environmental consultant will be limited to:

1. Determining the location and limits of contaminated material to be excavated based on analytical results from previous investigations, visual observations, and field screening of material that is excavated;
2. Identifying contaminated materials to be hauled to the landfill facility;
3. Documenting that activities associated with management of contaminated material are in conformance with the contaminated material management methods for this project as specified herein; and
4. Obtaining the necessary approvals for disposal of contaminated material from the landfill facility.

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

Identify the DNR approved landfill facility that will be used for disposal of contaminated materials and provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation activities in the contaminated areas or at the preconstruction conference, whichever comes first. The environmental consultant will be responsible for obtaining the necessary approvals for disposal of contaminated materials from the landfill facility.

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

A.4 Protection of Groundwater Monitoring Wells

Groundwater monitoring wells are not expected to be present within the construction limits. If encountered, protect all groundwater monitoring wells to maintain their integrity. Adjust wells that do not conflict with utilities, structures, curb and gutter, etc. to be flush with the final grade. For wells that conflict with the previously mentioned items, notify the environmental consultant, and coordinate with the

environmental consultant the abandonment or adjustment of the wells by others. The environmental consultant will provide maps indicating the locations of all known monitoring wells, if requested by the contractor.

A.5 Excavation Management Plan Approval

The excavation management plan for this project has been designed to minimize the off-site disposal of contaminated material. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR's concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding the investigations, including waste characterization within the project limits, contact Kathie VanPrice with the department, at (920) 492-7172.

A.6 Health and Safety Requirements for Workers Remediating Contamination

Add to standard spec 107.1 with the following:

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

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

Disposal of contaminated material at the landfill facility is subject to the facility's safety policies, which include as a minimum:

1. No smoking is allowed on-site.
2. Maximum speed limit of 15 mph on access roads and 5 mph while in active area.
3. All persons entering the active area must wear the following personal protective equipment: hard hats, high visibility clothing, steel toed work boots, safety glasses, and seat belts.
4. Minimum requirement for spacing is as follows:
 - a. A minimum 15 foot Safety Zone is required between landfill equipment and all personnel at all times.
 - b. Do not back up directly behind the compactor or dozer.
 - c. Trucks must yield the right-of-way to landfill equipment.
 - d. 15 feet required between trucks.
5. Only the driver can exit the truck and must stay within 4 feet of the truck. Use of Spotter is prohibited. Helper (if any), must remain in vehicle while unloading.
6. Tailgates of all vehicles may only be opened while in the active area and must be closed prior to exiting the active area.
7. Cleaning out vehicles must be done in designated area, not in the active area. Vehicles must be properly locked out / tagged out according to OSHA during the clean out process.
8. No scavenging is allowed.
9. Horseplay is prohibited.

Violation of the landfill's safety policy will result in a verbal or written warning explaining this policy and may result in the loss of dumping privileges.

Immediately report all accidents and injuries at the disposal facility to landfill management.

B (Vacant)

C Construction

Add to standard spec 205.3 with the following:

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

The environmental consultant will periodically evaluate material excavated from the contaminated areas to determine if the material will require offsite disposal. The environmental consultant will evaluate excavated material based on field screening results, visual observations, and soil analytical results from previous environmental investigations. Assist the environmental consultant in collecting samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 20 cubic yards excavated.

On the basis of the results of such field-screening, the material will be designated for disposal as follows:

- Excavation Common consisting of clean soil and/or clean construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, bituminous pavement, bricks, building stone, and unpainted or untreated wood), which under NR 500.08 are exempt materials, or
- Low-level contaminated material (no laboratory analytical evidence of contamination, PID readings less than 10 ppm, and no observation of staining or petroleum odor) for reuse as fill within the construction limits, or
- Contaminated soil (laboratory analytical evidence of contamination, significant petroleum odor, staining, and/or PID readings greater than 10 ppm) for off-site treatment and disposal at the WDNR-licensed landfill facility, or
- Potentially contaminated material for temporary stockpiling and additional characterization prior to disposal.

Some material may require additional characterization prior to disposal. Provide for the temporary stockpiling of up to 100 cubic yards of contaminated soil on-site that requires additional characterization. Construct and maintain a temporary stockpile of the material according to NR 718.05(3), including, but not limited to, placement of the contaminated soil/fill material on an impervious surface and covering the stockpile with impervious material to prevent infiltration of precipitation. The department's environmental consultant will collect representative samples of the stockpiled material, laboratory-analyze the samples, and advise the contractor, within 10 business days of the construction of the stockpile, of disposal requirements. The stockpiled material shall be disposed either at the WDNR-licensed disposal facility by the contractor or, if characterized as hazardous waste, by the department. As an alternative to temporarily stockpiling contaminated soil/fill material that requires additional characterization, the contractor has the option of suspending excavation in those areas where such soil is encountered until such time as characterization is completed.

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

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

D Measurement

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

E Payment

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

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

Payment is full compensation for excavating, segregating, loading, hauling, and disposal of contaminated material; obtaining solid waste collection and transportation service operating licenses; assisting in the

collection of samples for field evaluation; dewatering of materials prior to transport, if necessary; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

28. Embankment Construction - Benching.

Replace standard spec 205.3.2(4) with the following:

If placing embankment on side slopes 10-feet high or higher and steeper than one vertical to 3 horizontal, cut a minimum 18-inch depth bench into the existing embankment every 3 feet of vertical fill height.

ner-207-005 (20171213)

29. QMP Subgrade.

A Description

- (1) This special provision describes requirements for subgrade materials within the roadway foundation as defined in standard spec 101.3. Conform to standard spec 207 as modified in this special provision for all work within the roadway foundation at the locations the plans show.
- (2) Provide and maintain a quality control program. A quality control program is defined as all activities, including process control inspection, sampling and testing, and necessary adjustments in the process that are related to the construction of subgrade which meets all the requirements of this provision.
- (3) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes sampling and testing procedures. The contractor may obtain the CMM from the department's web site at:

<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/rdwy/cmm.aspx>

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 perform grading work before the engineer reviews and accepts the plan. Construct the project as the 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 the contractor's laboratory 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 process that will be used, and action time frames.
 3. An outline for resolving a process control problem. Include responsible personnel, required documentation, and appropriate communication steps.
 4. Location of the QC laboratory, retained sample storage, and control charts and other documentation.
 5. A summary of the locations and calculated quantities to be tested under this provision.
 6. An explanation regarding the basis of acceptance for material that cannot be tested by nuclear methods due to a high percentage of oversized particles.

B.2 Personnel

Perform the quality control sampling, testing, and documentation required under this provision using HTCP certified technicians. Have a HTCP Grading Technician I (GRADINGTEC-I); or Assistant Certified Technician, Grading (ACT-GRADING); or Aggregate Technician I (AGGTEC-I); or Assistant Certified Technician, Aggregate (ACT-AGG) present at each grading site during all subgrade fill placement, compaction and nuclear testing activities. Have a HTCP Nuclear Density Technician I (NUCDENSITYTEC-I) or Assistant Certified Technician, Nuclear Density Gauge Operator (ACT-NUC) perform field density and field moisture content testing.

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

B.3 Laboratory

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

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

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

B.4 Equipment

- (1) Furnish the necessary equipment and supplies for performing quality control testing. Ensure that all testing equipment conforms to the equipment specifications applicable to the required testing methods. The engineer may inspect the measuring and testing devices to confirm both calibration and condition. Calibrate all testing equipment according to the CMM Chapter 8 and maintain a calibration record at the laboratory.
- (2) Furnish nuclear gauges from the department's approved product list at <http://www.atwoodsyste.ms.com/materials>. Ensure that the gauge manufacturer or an approved calibration service calibrates the gauge within 12 months before using it on the project. Retain a copy of the calibration certificate with the gauge.
- (3) Conform to AASHTO T 310 and CMM Chapter 8 for density testing and gauge monitoring methods.

B.5 Soil Source Study

- (1) Conduct and submit a soil source study before beginning of grading operations. Ensure that this study identifies each distinct soil type on the project within the top 15 feet of cut areas and all borrow material. Provide the in-bank natural moisture content for each soil. Develop moisture-density curves for each identified soil type by utilizing AASHTO T 99 with a minimum of 5 individual points, and a zero air voids curve at a specific gravity of 2.65. Determine the maximum density and corresponding optimum moisture level for each soil type. Develop a site-specific family of Proctor curves for this contract from the completed soil source study and submit to the engineer for review and acceptance prior to the start of subgrade fill placement.
- (2) Perform characterization tests on each of the soil types selected for the soil source study. The tests include AASHTO T 89, AASHTO T 90, AASHTO T 27, and AASHTO T 11. Classify each soil type selected according to the AASHTO soil classification system based on the characterization tests. Do not begin grading operations until the engineer accepts the soil source study.
- (3) Use the soil types identified in the soil source study with corresponding maximum densities and optimum moisture values to determine the compaction compliance on the project. Continue the soil source study in those areas of cuts or borrow sites greater than 15 feet in depth that were not accessible during the initial study. Include data on additional soil types identified throughout the duration of subgrade fill placement. Ensure that tests of additional soil types are complete and the engineer accepts the results before incorporating the material into the roadway foundation.
- (4) Split each Proctor sample and identify to provide comparison with the department's test results. Unless the engineer directs otherwise, retain the QC split samples for 14 calendar days and promptly deliver the department's split samples to the department at:

NE Region Materials Lab
944 Vanderperren Way
Green Bay, Wisconsin 54304

- (5) Retain and identify 2 representative samples of each Proctor. Submit one sample to the engineer. Retain one sample on site for use when performing textural identification.

B.6 Quality Control Documentation

B.6.1 Control Charts

- (1) Maintain separate control charts for the field density and field moisture content of each grading area. Designate grading areas within the project as follows:

1. Embankment portions of the project, except within 200 feet of bridge abutments.
 2. Embankment within 200 feet of bridge abutments.
 3. Embankment for Old Plank Trail, except when independent of roadway fill.
 4. Subgrade cut portions of the project.
 5. Embankment in pipe culvert trenches.
 6. Structure and granular backfill placed at bridge abutments.
- (2) Ensure that all tests are recorded and become part of the project records. Enter QC data into the applicable materials reporting system (MRS) software within 5 business days after results are available. Plot required test results on the control charts. Include random and engineer-requested testing but only include the contractor's randomly selected QC test results in the 4-point running average. The contractor may plot other contractor-performed process control or informational tests on the control charts, but do not include them in 4-point running averages.
 - (3) Post control charts in an engineer-approved location and update daily. Ensure that the control charts include the project number, test number, each test element, applicable control limits, contractor's individual test results, running average of the last 4 QC data points, and engineer's quality verification test data points. Use the control charts as part of a process control system for identifying potential problems and assignable causes. Format control charts according to CMM Chapter 8.
 - (4) Submit control charts to the engineer in a neat and orderly manner within 10 business days after completing subgrade construction.

B.6.2 Records

- (1) Document all observations, inspection records, adjustments to fill placement procedures, soil changes, and test results daily. Note the results of the observations and inspection records as they occur in a permanent field record.
- (2) Provide copies of the field density and field moisture running average calculation sheets, one-point Proctor tests, records of procedure adjustments, and soil changes to the engineer daily.
- (3) Submit original testing records to the engineer in a neat and orderly manner within 10 business days after completing subgrade construction.

B.7 Contractor Testing

B.7.1 General

- (1) Have a HTCP Grading Technician I (GRADINGTEC-I); or Assistant Certified Technician, Grading (ACT-GRADING); or Aggregate Technician I (AGGTEC-I); or Assistant Certified Technician, Aggregate (ACT-AGG) present at each grading site during all subgrade fill placement, compaction and nuclear testing activities. Have a HTCP Nuclear Density Technician I (NUCDENSITYTEC-I) or Assistant Certified Technician, Nuclear Density Gauge Operator (ACT-NUC) perform field density and field moisture content testing.

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

- (2) During subgrade construction, use sampling and testing methods identified in the CMM Chapter 8 to perform the required tests at randomly selected locations at the indicated minimum frequency in B.7.4 for each grading area.
- (3) Determine the cubic yards for testing based on a total load count system the engineer and contractor agree to.
- (4) For each test, provide the cubic yards represented and the test location to within 2 feet horizontally and 0.5 feet vertically.

B.7.2 Field Density and Field Moisture

- (1) Perform the field density and field moisture tests using the nuclear density meter method according to AASHTO T 310. Ensure that each field density test material is related to one of the specific soil types identified in the soil source study in determining the percent compaction. Use textural identification as the primary method of establishing this relationship. Utilize the representative samples retained from the soil

source study when performing the textural identification. Use a coarse particle correction according to AASHTO T 224.

- (2) If field density and field moisture tests cannot be performed by the nuclear density method due to a high percentage of oversized particles as determined according to AASHTO T 99, observe the placement of the embankment and document the basis of acceptance. Document daily quantities of untested embankment and locations where untested embankment is placed, and keep a cumulative quantity of untested embankment material for the duration of the project. Include the daily documentation and a summary of the cumulative quantity of untested embankment material with the project records.

B.7.3 One-Point Proctor

- (1) Obtain a representative sample of the fill material and test according to AASHTO T 272. Compare the sample to the curves developed in the soils source study to determine the maximum dry density and optimum moisture. Use the appendix for AASHTO T 272 as a guide in this determination.

B.7.4 Testing Frequency

B.7.4.1 Subgrade Embankment portions of the project, except within 200 feet of bridge abutments

- (1) Perform the required tests at the following frequencies:

<u>Test</u>	<u>Minimum Frequency</u>
Field Density & Moisture (AASHTO T 310)	One per 3,000 cubic yards or portion thereof.
One-Point Proctor (AASHTO T 272)	One per 9,000 cubic yards or portion thereof.

B.7.4.2 Subgrade Embankment Within 200 Feet of Bridge Abutments

- (1) Perform the required tests at the following frequencies:

<u>Test</u>	<u>Minimum Frequency</u>
Field Density & Moisture (AASHTO T 310)	One per 3,000 cubic yards or portion thereof.
One-Point Proctor (AASHTO T 272)	One per 9,000 cubic yards or portion thereof.

B.7.4.3 Subgrade Cut

- (1) Perform the required tests at the following frequencies:

<u>Test</u>	<u>Minimum Frequency</u>
Field Density & Moisture (AASHTO T 310)	Less than 2000 linear feet per roadway - One per cut area. Greater than 2000 linear feet per roadway - One per 2,000 linear feet per roadway or portion thereof.

B.7.4.4 Subgrade Embankment in Culvert Pipe Trenches

- (1) Perform the required tests at the following minimum frequencies:

<u>Test</u>	<u>Minimum Frequency</u>
Field Density & Moisture (AASHTO T 310)	Pipe diameter equal to 40-inch or Less - One per trench. Pipe diameter Greater than 40-inch - Two per trench, on separate lifts.
One-Point Proctor (AASHTO T 272)	One per 3,000 cubic yards or portion thereof.

B.7.4.5 Structure and Granular Backfill at Bridge Abutments

- (1) Perform the required tests at the following minimum frequencies:

<u>Test</u>	<u>Minimum Frequency</u>
Field Density & Moisture (AASHTO T 310)	Two per abutment on separate lifts
One-Point Proctor (AASHTO T 272)	One per 3,000 cubic yards or portion thereof.

B.7.5 Compaction Zones

B.7.5.1 Subgrade Embankment

- (1) UPPER ZONE: Embankment material placed within 6 feet of the finished subgrade elevation is classified as upper zone material.
- (2) LOWER ZONE: Embankment placed more than 6 feet below the finished subgrade elevation is classified as lower zone material

B.7.5.2 Subgrade Embankment Within 200 Feet of Bridge Abutments

- (1) All embankment material placed within 200 feet of bridge abutments is subject to the quality controls for upper zone material.

B.7.5.3 Subgrade Cut

- (1) Subgrade material in cut areas is subject to the quality controls for upper zone material.

B.7.5.4 Subgrade Embankment in Culvert Pipe Trenches

- (1) Material placed within culvert pipe trenches is subject to the quality controls for the zone that the material is located in.

B.7.5.5 Structure and Granular Backfill at Bridge Abutments

- (1) All backfill material placed adjacent to bridge abutments is subject to the quality controls for upper zone material.

B.7.6 Control Limits

B.7.6.1 Field Density

- (1) UPPER ZONE: The lower control limit for field density measurements in the upper zone is a minimum of 95% of the maximum dry density as determined by AASHTO T 99 or T 272 for the 4-point running average and a minimum of 92% of the maximum dry density for any individual test.
- (2) LOWER ZONE: The lower control limit for field density measurements in the lower zone is a minimum of 93% of the maximum dry density as determined by AASHTO T 99 or T 272 for the 4-point running average and a minimum of 90% of the maximum dry density for any individual test.

B.7.6.2 Field Moisture Content

- (1) The upper control limit for the field moisture content in the upper and lower zones is 105% of the optimum moisture as determined by AASHTO T 99 or T 272 for the 4-point running average.
- (2) The lower control limit for the field moisture content in the upper and lower zones is 65% of the determined optimum moisture for the 4-point running average. There is no lower control limit for the field moisture of material having less than 5% passing the No. 200 sieve.

B.7.7 Corrective Action

- (1) Notify the engineer if an individual field density test falls below the individual test control limit. The subgrade in this area is unacceptable. Perform corrective actions, acceptable to the engineer, to improve the density of the subgrade material. After corrective action, perform a randomly located retest within the represented quantity to ensure that the material is acceptable.
- (2) Notify the engineer if the field density or field moisture running average point falls below the running average control limit for field density or outside the control limits for field moisture. The subgrade in this area is unacceptable. Perform corrective actions, acceptable to the engineer, to improve the quality of the material represented by the running average point. Retest each corrected area at a new random location

within its represented quantity and determine a new 4-point running average. If the new running average is not acceptable, perform further corrective actions and retest at new random locations.

- (3) If the contractor's control data is proven incorrect resulting in a field density or field moisture point falling below the control limit for field density or outside the control limits for field moisture, the subgrade is unacceptable. Employ the methods described above for unacceptable material.

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 verification and independent assurance personnel for the project.
- (2) The department will provide field density and field moisture test results to the contractor on the day of testing. Test results from Proctor split samples will be provided to the contractor within 7 business days after the sample has been received by the department.

B.8.2 Verification Testing

- (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 test field density and field moisture randomly at locations independent of the contractor's QC work. The department will use split samples for verification of Proctor testing. In all cases, the department will conduct the verification tests in a separate laboratory and with separate equipment from the contractor's QC tests.
- (3) The department will perform verification testing as follows:
 1. The department will conduct verification tests on Proctor split samples taken by the contractor. These samples may be from the Soil Source Study or the one-point Proctor or sample locations chosen by the engineer from anywhere in the process. The minimum verification testing frequency is one per 90,000 cubic yards, with at least one for each soil type identified in the Soil Source Study.
 2. The department will test the first split sample obtained by the contractor for the one-point Proctor. The engineer may select any contractor-retained sample for verification testing.
 3. The department will conduct at least one verification test for field density and field moisture per 30,000 cubic yards.
- (4) Plot verification tests on the contractor's quality control charts as specified in B.6.1. Do not include verification tests in the 4-point running average.
- (5) Compare Proctor QC and QV results. If Proctor QC and QV values are within 3.0 pcf, the test results will be deemed satisfactory and no further action is necessary. Proctor QC and QV values differing by more than 3.0 pcf will be investigated and resolved.
- (6) If verification tests are within specified control limits, no further action is required. If verification tests are not within specified control limits, the engineer and contractor will jointly investigate any testing discrepancies. The investigation may include additional testing as well as review and observation of both the department's and contractor's sampling and testing procedures and equipment. Both parties will document all investigative work.
- (7) Correct all deficiencies. If the contractor does not respond to an engineer request to correct a deficiency or resolve a testing discrepancy, the engineer may suspend grading work until action is taken. Resolve disputes as specified in B.9.

B.8.3 Independent Assurance Testing

- (1) Independent assurance is unbiased testing the department performs to evaluate the department's verification and the contractor's QC sampling and testing including personnel qualifications, procedures, and equipment. The department will perform the independent assurance review according to the department's independent assurance program, which 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) Plot the independent assurance tests on the contractor's quality control charts as specified in B.6.1. Do not include independent assurance tests in the 4-point running average.
- (3) 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 grading work 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) If the project personnel cannot resolve a dispute and the dispute affects payment or could result in incorporating nonconforming 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 tests 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.

B.10 Acceptance

- (1) The department will accept the material tested under this provision based on the contractor QC tests unless it is shown through verification testing or the dispute resolution process that the contractor's test results are in error.

C (Vacant)

D (Vacant)

E Payment

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

30. Select Borrow, Item 208.1100.

Add the following to standard spec 208.2.1(2):

Furnish and use material that consists of granular material meeting the following requirements: Not more than 25% of that portion passing the No. 4 sieve shall pass the No. 200 sieve.

If the engineer approves, the contractor may substitute Breaker Run conforming to standard spec 311 for select borrow.

ner-208-010 (20190717)

Delete standard spec 208.4.2 and 208.4.3.

The department will measure select borrow in the final position according to standard spec 208.4.4.

31. QMP HMA Pavement Nuclear Density.

A Description

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

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

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

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

<http://www.atwoodsystems.com/>

B Materials

B.1 Personnel

- (1) Nuclear gauge owners and personnel using nuclear gauges shall comply with WisDOT requirements according to 460.3.3 and CMM 8-15.

B.2 Testing

- (1) Conform to ASTM D2950 and CMM 8.15 for density testing and gauge monitoring methods. Conform to CMM 8-15.10.4 for test duration and gauge placement.

B.3 Equipment

B.3.1 General

- (1) Furnish nuclear gauges according to CMM 8-15.2.
- (2) Furnish nuclear gauges from the department's approved product list at
<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/tools/appr-prod/default.aspx>

B.3.2 Comparison of Nuclear Gauges

B.3.2.1 Comparison of QC and QV Nuclear Gauges

- (1) Compare QC and QV nuclear gauges according to CMM 8-15.7.

B.3.2.2 Comparison Monitoring

- (1) Conduct reference site monitoring for both QC and QV gauges according to CMM 8-15.

B.4 Quality Control Testing and Documentation

B.4.1 Lot and Sublot Requirements

B.4.1.1 Mainline Traffic Lanes, Shoulders, and Appurtenances

- (1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.
- (2) Determine required number of tests according to CMM 8-15.10.2.1.
- (3) Determine random testing locations according to CMM 8-15.10.3.

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

- (1) Divide the pavement into lots and sublots for nuclear density testing according to CMM 8-15.10.2.
- (2) Determine required number of tests according to CMM 8-15.10.2.2.
- (3) Determine random testing locations according to CMM 8-15.10.3.

B.4.2 Pavement Density Determination

B.4.2.1 Mainline Traffic Lanes and Appurtenances

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

B.4.2.2 Mainline Shoulders

B.4.2.2.1 Width Greater Than 5 Feet

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

B.4.2.2.2 Width of 5 Feet or Less

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

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

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

B.4.2.4 Documentation

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

B.4.3 Corrective Action

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

B.5 Department Testing

B.5.1 Verification Testing

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

B.5.2 Independent Assurance Testing

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

B.6 Dispute Resolution

- (1) The testers may perform investigation in the work zone by analyzing the testing, calculation, and documentation procedures. The testers may perform gauge comparison according to B.3.2.1.
- (2) The testers may use comparison monitoring according to B.3.2.2 to determine if one of the gauges is out of tolerance. If a gauge is found to be out of tolerance with its reference value, remove the gauge from the project and use the other gauge's test results for acceptance.
- (3) If the testing discrepancy cannot be identified, the contractor may elect to accept the QV subplot density test results or retesting of the subplot in dispute within 48 hours of paving. Traffic control costs will be split between the department and the contractor.
- (4) If investigation finds that both gauges are in error, the contractor and engineer will reach a decision on resolution through mutual agreement.

B.7 Acceptance

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

C (Vacant)

D (Vacant)

E Payment

E.1 QMP Testing

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

E.2 Disincentive for HMA Pavement Density

- (1) The department will administer density disincentives as specified in standard spec 460.5.2.2.

E.3 Incentive for HMA Pavement Density

- (1) The department will administer density incentives as specified in standard spec 460.5.2.3.
stp-460-020 (20181119)

32. Concrete Pavement Joint Layout, Item 415.5110.S.

A Description

This special provision describes providing a concrete pavement or concrete base joint layout design for intersections and marking the location of joints in the field

B (Vacant)

C Construction

Plan and locate all points necessary to establish the horizontal position of the transverse and longitudinal joints in the concrete to prevent uncontrolled cracking. Submit a joint layout design to the engineer at least 7 calendar days before paving each intersection. Do not lay out joints until the engineer has reviewed the joint layout design. Mark the location of concrete joints in the field. Follow the plan details for joints in concrete making adjustments as required to fit field conditions.

D Measurement

The department will measure Concrete Pavement Joint Layout as a single lump sum unit for all joint layout designs and marking 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
415.5110.S	Concrete Pavement Joint Layout	LS

Payment is full compensation for providing the intersection joint layout designs and marking all joints in the field.

The department will adjust pay for crack repairs as specified in standard spec 415.5.3.

stp-415-020 (20170615)

33. Concrete Masonry Endwalls, Item 504.0900.

Add the following to standard spec 504.3:

Concrete Masonry Endwalls shall be completed within 7 calendar days from the installation of each culvert pipe or box culvert location.

ner-504-005 (20180328)

34. Bar Steel Reinforcement HS Stainless Structures, Item 505.0800.S.

A Description

This special provision describes furnishing and placing stainless steel reinforcing bars and associated stainless steel bar couplers.

Conform to standard spec 505 as modified in this special provision.

B Materials

B.1 General

Furnish stainless steel reinforcing bars conforming to ASTM A955 and to one of the following Unified Numbering System (UNS) designations: S31653, S31803, S32205, or S32304. Supply grade 60 bars, all of the same UNS designation. Conform to the chemical composition specified for the given UNS designation in ASTM A276 table 1.

Supply bars that are free of dirt, mill scale, oil, and debris by pickling to a bright or uniform light finish. The department may reject bars displaying rust/oxidation, questionable blemishes, or lack of a bright or uniform pickled surface.

Furnish chairs or continuous supports made of stainless steel or recycled plastic to support high-strength stainless bar steel reinforcement subject to the plastic chair restriction stated in standard spec 505.3.4(1).

Furnish couplers made from one of the UNS alloys allowed for bar steel.

Furnish tie wire made from one of the UNS alloys allowed for bar steel or from an engineer-approved plastic or nonmetallic material. Ensure that stainless steel tie wire is dead soft annealed.

B.2 Fabrication

Before fabrication, supply test results from an independent testing agency certifying that the reinforcement meets the requirements of Annex A1 of ASTM A955.

Bend bars conforming to standard spec 505.3.2 and according to ASTM A955. Bend and cut bars using equipment thoroughly cleaned or otherwise modified to prevent contamination from carbon steel or other contaminants. Use tools dedicated solely to working with stainless steel.

B.3 Control of Material

Identify reinforcement bars delivered to the project site with tags bearing the identification symbols used in the plans. Include the UNS designation, heat treat condition, heat number, grade corresponding to minimum yield strength level, and sufficient documentation to track each bar bundle to a mill test report.

Provide samples for department testing and acceptance according to CMM 8-50 Exhibit 1 requirements for concrete masonry reinforcement for uncoated bar steel.

Provide mill test reports for the project that do the following:

1. Verify that sampling and testing procedures and test results conform to ASTM A955, ASTM A276 table 1, and these contract requirements.
2. Include a chemical analysis with the UNS designation, heat lot identification, and the source of the metal.
3. Include tensile strength, yield strength, and elongation tests results conforming to ASTM A955 for each size furnished.
4. Certify that the bars have been pickled to a bright or uniform light finish.

C Construction

C.1 General

Ship, handle, store, and place the stainless steel reinforcing as follows:

1. Separate from regular reinforcement during shipping. Pad points of contact with steel chains or banding, or secure with non-metallic straps.
2. Store on wooden cribbing separated from regular reinforcement. Cover with tarpaulins if stored outside.
3. Handle with non-metallic slings.
4. Do not flame cut or weld. Protect from contamination when cutting, grinding, or welding other steel products above or near the stainless steel during construction.
5. Place on plastic or stainless steel bar chairs. If placing stainless steel chairs on steel beams, use chairs with plastic-coated feet.
6. Tie with stainless steel wire or an engineer-approved plastic or nonmetallic material.

Do not tie stainless steel reinforcing bars to, or allow contact with, uncoated reinforcing bars or galvanized steel. Maintain at least 1 inch clearance between stainless steel bars or dowels and uncoated or galvanized steel. Where 1 inch clearance is not possible, sleeve bars with a continuous polyethylene or nylon tube at least 1/8 inch thick extending at least 1 inch in each direction and bind with nylon or polypropylene cable ties. Sleeves are not required between stainless steel bars and shear studs. Stainless steel bars can be in direct contact with undamaged epoxy-coated bars.

Cut flush with the top flange or remove uncoated fasteners, anchors, lifting loops, or other protrusions into a bridge deck before casting the deck on prestressed concrete beams.

C.2 Splices

Splice as the plans show. Provide stainless steel couplers conforming to the minimum capacity, certification, proof testing, and written approval requirements of standard spec 550.3.3.4. The contractor may substitute stainless steel couplers for lap splices the plans show if the engineer approves in writing.

If increasing or altering the number or type of bar splices the plans show, provide revised plan sheets to the engineer showing the reinforcement layout, type, length, and location of revised bar splices and revised bar lengths. Obtain engineer approval for the location of new lap splices or substitution of mechanical bar couplers before fabrication. Ensure that new lap splices are at least as long as those the plans show.

D Measurement

The department will measure Bar Steel Reinforcement HS Stainless Structures by the pound acceptably completed, computed from the nominal weights of corresponding sizes for carbon steel deformed bars in AASHTO M31 regardless of stainless steel alloy provided. The department will not measure extra material used if the contractor alters the reinforcement layout as allowed under C.2, extra material for splices or couplers the plans do not show, or the weight of devices used to support or fasten the steel in position.

The department will measure the Bar Couplers Stainless bid items as each individual coupler 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
505.0800.S	Bar Steel Reinforcement HS Stainless Structures	LB

Payment for Bar Steel Reinforcement HS Stainless Structures is full compensation for furnishing and placing stainless steel reinforcing bars, including supports. Where the plans specify bar couplers, the department will pay for the length of bars as detailed with no deduction or increase for installation of the coupler.

stp-505-005 (20190618)

35. Polymer Overlay, Item 509.5100.S.

A Description

This special provision describes providing two layers of a two-component polymer overlay system to the bridge decks the plans show.

B Materials

B.1 General

Furnish materials specifically designed for use over concrete bridge decks. Furnish polymer liquid binders from the department's approved product list.

B.2 Polymer Resin

Furnish a polymer resin base and hardener composed of two-component, 100 percent solids, 100 percent reactive, thermosetting compound with the following properties:

Property	Requirements	Test Method
Gel Time ^[1]	15 - 45 minutes @ 73° to 75° F	ASTM C881
Viscosity ^[1]	7 - 70 poises	ASTM D2393, Brookfield RVT, Spindle No. 3, 20 rpm
Shore D Hardness ^[2]	60-75	ASTM D2240
Absorption ^[2]	1% maximum at 24 hr	ASTM D570
Tensile Elongation ^[2]	30% - 70% @ 7 days	ASTM D638
Tensile Strength ^[2]	2000 to 5000 psi @ 7 days	ASTM D638
Chloride Permeability ^[2]	<100 coulombs @ 28 days	AASHTO T277

^[1] Uncured, mixed polymer binder

^[2] Cured, mixed polymer binder

Ensure that the polymer resin when mixed with aggregate has the following properties:

Property	Requirement ^[1]	Test Method
Minimum Compressive Strength	1,000 psi @ 8 hrs 5,000 psi @ 24 hrs	ASTM C579 Method B, Modified ^[2]
Thermal Compatibility	No Delaminations	ASTM C884
Minimum Pull-off Strength	250 psi @ 24 hrs	ASTM C1583

^[1] Based on samples cured or aged and tested at 75°F

^[2] Plastic inserts that will provide 2-inch by 2-inch cubes shall be placed in the oversized brass molds.

B.3 Aggregates

Furnish natural or synthetic aggregate that is non-polishing; clean; free of surface moisture; fractured or angular in shape; free from silt, clay, asphalt, or other organic materials; and conform to the following:

Aggregate Properties

Property	Requirement	Test Method
Moisture Content ^[1]	1/2 of the measured aggregate absorption, %	ASTM C566
Hardness	≥ 6.5	Mohs Scale
Fractured Faces	100% with at least 1 fractured face & 80% with at least 2 fractured faces of material retained on No.16	ASTM D5821

Absorption

B.4 Approval of Bridge Deck Polymer Overlay System

A minimum of 20 working days before application, submit product data sheets and specifications from the manufacturer, and a certified report of test or analysis from an independent laboratory to the engineer for approval. The department will sample and test the aggregates for gradation and moisture content before placement. If requested, supply the department with samples of the polymer for the purpose of acceptance testing.

B.4.1 Product Data Sheets and Specifications

Product data sheets and specifications from the manufacture consists of literature from the manufacturer showing general instructions, application recommendations/methods, product properties, general instructions, or any other applicable information.

B.4.2 Certified Report of Test or Analysis

Conform to the following:

Polymer Binder: Submit a certified report of test or analysis from an independent laboratory dated less than 3 years before the date of the project letting showing the polymer binder meets the requirements of section B.2.

Aggregates: Submit a certified report of test or analysis from an independent laboratory dated less than 6 months before the date of the project letting showing the aggregates meet the requirements of section B.3.

C Construction

C.1 General

Ensure that the overlay system is 1/4 inch thick or thicker.

Conform to the following:

Field Review: Conduct a field review of the existing deck to identify any possible surface preparation and material compatibility issues.

Pre-Installation Meeting: Conduct a pre-installation meeting with the manufacturer's representative and the engineer before construction. Discuss the field review findings, verification testing of the surface preparation and establish procedures for maintaining optimum working conditions and coordination of work. Furnish the engineer a copy of the recommended procedures and apply the overlay system according to the manufacturer's instructions. Supply for the engineer's use for the duration of the project, a Concrete Surface Profile (CSP) chip set of 10 from the International Concrete Repair Institute (ICRI).

Manufacturer's Representative: An experienced manufacturer's representative familiar with the overlay system installation procedures shall be present at all times during surface preparation and overlay placement to provide quality assurance that the work is being performed properly. This requirement may be reduced at the engineer's discretion.

Material Storage: Store and handle materials according to the manufacturer's recommendations. Store resin materials in their original containers in a dry area. Store all aggregates in a dry environment and protect aggregates from contaminants on the job site.

C.2 Deck Preparation

C.2.1 Deck Repair

Remove all asphaltic patches and unsound or disintegrated areas of the concrete decks as the plans show, or as the engineer directs. Work performed to repair the concrete deck will be paid for under other items. Ensure that products used for deck patching are compatible with the polymer overlay system.

NOTE: Some polymer systems require concrete patch material to be in place a minimum of 28-days before overlaying - contact polymer manufacturer before completing deck patching/repair.

C.2.2 Surface Preparation

Determine an acceptable shotblasting machine operation (size of shot, flow of shot, forward speed, and/or number of passes) that provides a surface profile meeting CSP 5 (medium-heavy shotblast) according to the ICRI Technical Guideline No. 310.2. If the engineer requires additional verification of the surface preparation, test the tensile bond strength according to ASTM C1593. The surface preparation will be considered acceptable if the tensile bond strength is greater than or equal to 250 psi or the failure area at a depth of 1/4 inches or more is greater than 50 percent of the test area. Continue adjustment of the shotblasting machine and necessary testing until the surface is acceptable to the engineer or a passing test result is obtained.

Prepare the entire deck using the final accepted adjustments to the shotblasting machine as determined above. Thoroughly blast clean with hand-held equipment any areas inaccessible by the shotblasting equipment. Do not perform surface preparation more than 24 hours before the application of the overlay system.

Protect drains, expansion joints, access hatches, or other appurtenances on the deck from damage by the shot and sand blasting operations and from materials adhering and entering. Tape or form all construction joints to provide a clean straight edge.

Before shot blasting, remove pavement markings within the treatment area using an approved mechanical or blasting method.

Prepare the vertical concrete surfaces adjacent to the deck a minimum of 2" above the overlay according to SSPC-SP 13 (free of contaminants, dust, and loose concrete) by sand blasting, using wire wheels, or other approved method.

Just before overlay placement, clean all dust, debris, and concrete fines from the prepared surfaces including the vertical surfaces with compressed air. When using compressed air, the air stream must be free of oil. Any grease, oil, or other foreign matter that rests on or has absorbed into the concrete shall be removed completely. If prepared surfaces (including the first layer of the polymer overlay) are exposed to rain or dew, lightly sandblast (brush/breeze blast) the exposed surfaces.

The engineer may consider alternate surface preparation methods per the overlay system manufacturer's recommendations. The engineer will approve the final surface profile and deck cleanliness before the contractor placing the polymer overlay.

C.2.3 Transitional Area

If the plans show, create a transitional area approaching transverse expansion joints and ends of the deck using an approved mechanical or blasting method. Remove 1/4 inch to 5/16 inch of concrete adjacent to the joint or end of deck and taper a distance of 3 feet.

If the plans show, create a transitional area on the approach pavement. Prep and place the first lift 3 feet beyond the end of the deck the same width as the deck. Prep and place the second lift 6 feet beyond the end of the deck the same width as the deck.

C.3 Overlay Application

Perform the handling and mixing of the polymer resin and hardening agent in a safe manner to achieve the desired results according to the manufacturer's instructions. Do not apply the overlay system if any of the following exists:

1. Ambient air temperature is below 50 F or above 100 F.
2. Deck temperature is below 50 F.
3. Moisture content in the deck exceeds 4.5 percent when measured by an electronic moisture meter or shows visible moisture after 2 hours when measured according to ASTM D4263.
4. Rain is forecasted during the minimum curing periods listed under C.5.
5. Materials component temperatures below 65 F or above 99 F.
6. Concrete age is less than 28 days unless approved by the engineer.
7. The deck temperature exceeds 100 F.
8. If the gel time is 10 minutes or less at the predicted high air temperature for the day.

After the deck has been shotblasted or during the overlay curing period, only necessary surface preparation and overlay application equipment will be allowed on the deck. Provide appropriate protective measures to prevent contamination from equipment allowed on the deck during preparation and application operations. Begin overlay placement as soon as possible after surface preparation operations.

The polymer overlay shall consist of a two-course application of polymer and aggregate. Each of the two courses shall consist of a layer of polymer covered with a layer of aggregate in sufficient quantity to completely cover the polymer. Apply the polymer and aggregate according to the manufacturer's requirements. Apply the overlay using equipment designed for this purpose. The application machine shall feature positive displacement volumetric metering and be capable of storing and mixing the polymer resins at the proper mix ratio. Disperse the aggregate using a method that provides a uniform, consistent coverage of aggregate and minimizes aggregate rolling or bouncing into final position. First course applications that do not receive enough aggregate before the polymer gels shall be removed and replaced. A second course applied with insufficient aggregate may be left in place but will require additional applications before opening to traffic.

After completion of each course, cure the overlay according to the manufacturer's instructions. Follow the minimum cure times listed under C.5 or as prescribed by the manufacturer. Remove the excess aggregate from the surface treatment by sweeping, blowing, or vacuuming without tearing or damaging the surface; the material may be re-used if approved by the engineer and manufacturer. Apply all courses of the overlay system before opening the area to traffic. Do not allow equipment or traffic on the treated area until directed by the engineer.

After the first layer of coating has cured to the point where the aggregate cannot be pulled out, apply the second layer. Before applying the second layer, broom and blow off the first layer with compressed air to remove all loose excess aggregate.

Before opening to traffic, clean expansion joints and joint seals of all debris and polymer. A minimum of three days following opening to traffic, remove loosened aggregates from the deck, expansion joints, and approach pavement.

C.4 Application Rates

Apply the polymer overlay in two separate courses according to the manufacturer's instructions, but not less than the following rate of application.

Course	Minimum Polymer Rate ^[1] (GAL/100 SF)	Aggregate ^[2] (LBS/SY)
1	2.5	10+
2	5.0	14+

^[1] The minimum total applications rate is 7.5 GAL/100 SF.

^[2] Application of aggregate shall be of sufficient quantity to completely cover the polymer.

C.5 Minimum Curing Periods

As a minimum, cure the coating as follows:

Course	Average temperature of deck, polymer and aggregate components in degrees F							
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99
1	6 hrs.	5 hrs.	4 hrs.	3 hrs.	2.5 hrs	2 hrs	1.5 hrs.	1 hr.
2	8 hrs.	6.5 hrs.	6.5 hrs.	5 hrs.	4 hrs.	3 hrs.	3 hrs.	3 hrs.

If faster cure times are desired and achievable, submit to the engineer a certified test report from an independent laboratory showing the material is able to reach a compressive strength of 1000 psi as tested per ASTM C 579 Method B within the temperature ranges and cure times for which the product is proposed to be placed. Establish ambient air, material, and substrate temperatures from the manufacturer for field applications. Field applications will not be allowed below the documented temperatures.

C.6 Repair of Polymer Overlay

Repair all areas of unbonded, uncured, or damaged polymer overlay for no additional compensation. Submit repair procedures from the manufacturer to the engineer for approval. Absent a manufacturer's repair procedures and with the approval of the engineer, complete repairs according to the following: Saw cut the limits of the area to the top of the concrete; remove the overlay by scarifying, grinding, or other approved methods; shot blast or sand blast and air blast the concrete before placement of polymer overlay; and place the polymer overlay according to section C.3.

D Measurement

The department will measure Polymer Overlay by the square yard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
509.5100.S	Polymer Overlay	SY

Payment is full compensation for preparing the surface; for tensile bond testing; for creating the transitional area; for providing the overlay; for cleanup; and for sweeping/vacuuming and disposing of excess materials.

The department will pay separately for Concrete Deck Repair.

stp-509-030 (20170615)

36. Surface Drain Pipe Corrugated Metal Slotted, 18-Inch, Item 521.2005.S.

A Description

This special provision describes furnishing and installing slotted corrugated metal pipe surface drain as the plans show.

Conform to standard spec 521 as modified in this special provision.

B Materials

Furnish backfill material that is grade A, A-FA, A-S, A-T, A-IS, A-IP, or A-IT concrete conforming to standard spec 501.2 as modified in standard spec 716. Provide QMP for class III ancillary concrete as specified in standard spec 716.

C Construction

Before backfilling, plug the upper end of the slotted drain as the plans show or as approved by the engineer.

Before backfill operations adjacent to the slotted area of the slotted corrugated metal pipe surface drain pipe, install timber blocks in the slots according to the plan details. Remove any material entering the pipe at no expense to the department.

Keep the timber blocks in place until final cleanup operations are completed; at which time, remove the timber blocks.

Exercise care to avoid damage to the slotted corrugated metal pipe surface drain pipe. If any section of pipe is damaged or is unsatisfactory as determined by the engineer, replace the drain pipe at no expense to the department.

D Measurement

The department will measure Surface Drain Pipe Corrugated Metal Slotted (size), completed according to the contract and accepted, in place by the linear foot.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
521.2005.S	Surface Drain Pipe Corrugated Metal Slotted 18-Inch	LF

Payment is full compensation for furnishing all materials; hauling and placing the pipe, including bands; making connections to existing inlets; furnishing concrete, end plug or cap; and for cleaning out and restoring site of work.

stp-521-005 (20150630)

37. Riprap Medium, Item 606.0200.

Add to standard spec 606.2.1(3) as follows:

Broken concrete containing steel shall not be used for Riprap Medium.

38. Inlet Covers Type T, Item 611.0652.

Replace standard spec 611.3.3(1) with the following:

Set inlet cover on rubber adjustment riser ring. Use approved mastic adhesive between the ring and the inlet or manhole structure. Use an approved polyurethane adhesive with a flexible set between the ring and the inlet or manhole cover. Use two 5/16-inch beads of adhesive placed 1 inch and 2 inches in from the outside edge of the ring. If multiple adjustment rings are necessary, a maximum of two adjustment rings can be used. A maximum of 3 inch adjustment is allowed. Use polyurethane adhesive with a

flexible set to join the two rings. If the adjustment rings must be cut, the joints must be staggered, and a polyurethane adhesive used to reattach the cut ends. No concrete adjustment rings or mortar is to be placed between the top of the structure and the inlet or manhole cover.

39. Pipe Underdrain, Item 612.0204.

Add to standard spec 612.5(2) as follows:

Payment for the Pipe Underdrain bid item is full compensation for providing fittings and concrete collars or any other items needed to connect the new pipe to the existing pipe.

40. Survey Monument Coordination.

The CONTRACTOR is to notify the Northeast Regional Survey Coordinator, Cormac McInnis 920-492-5638, at least 30 days before the beginning of construction activities. The Regional Survey Coordinator will then make the arrangements to have the Public Land Survey Monument and Landmark Reference Monuments tied out.

After the majority of construction is complete (before restoration) the contractor is again to notify the Survey Coordinator that the site is ready for the replacement of the monuments. The Survey Coordinator will then make arrangements to have the Public Land Survey Monument and Landmark Reference Monuments reset.

ner-621-010 (20171213)

41. Salvaged Topsoil, Item 625.0500

Replace standard spec 625.3.2 (3) with the following:

Under the salvaged topsoil bid item, remove all the topsoil (humus-bearing soil), to the underlying sterile soil layer, within the proposed roadway foundation (limits of assumed one-to-one slopes extending outward and downward from the subgrade shoulder points). Excavate topsoil up to one foot in depth, with no additional compensation, to produce sufficient volumes to cover the designated salvaged topsoil or topsoil areas to the depths required. Topsoil material lying more than one foot below the original ground, not required for the item of salvaged topsoil or topsoil, will be paid for as common excavation. Salvaged topsoil from embankment areas outside the roadway foundation if additional material is required to cover the slopes.

42. Stone or Rock Ditch Checks, Item 628.7515.S.

A Description

This special provision describes furnishing and installing stone or rock ditch checks as the plans show or as the engineer directs.

B Materials

Provide materials conforming to size requirements for size no. 2 coarse aggregate for concrete masonry or riprap according to the standard spec 501.2.5.4.5. Railroad ballast or breaker run stone conforming to the following applicable gradations may also be used:

Railroad Ballast	
Sieve Size	Percent by Weight Passing
2 Inch	100
1 Inch	20 – 55
3/8 Inch	0 -5

Breaker Run Stone

Sieve Size	Percent by Weight Passing
5 Inch	100
1½ Inch	0 – 50
3/8 Inch	0 - 5

Incorporate stone or rock in the ditch checks that is hard, sound, and durable, and meets the approval of the engineer.

C Construction

Place stone or rock ditch checks immediately after shaping of the ditches or slopes is completed. Place stone or rock ditch checks at right angles to the direction of flow and construct to the dimensions and according to the details the plans show.

Remove sediment from behind the stone or rock ditch checks when it has accumulated to one half of the original height of the dam.

D Measurement

The department will measure Stone or Rock Ditch Checks in volume by the cubic yard of material incorporated in the work.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
628.7515.S	Stone or Rock Ditch Checks	CY

Payment is full compensation for furnishing, producing, crushing, loading, hauling, placing, and shaping and maintaining Stone or Rock Ditch Check.

The quantity of sediment removed shall be multiplied by a factor of ten and paid for as Common Excavation.

stp-628-050 (20170615)

43. Traffic Control

Perform this work conforming to standard spec 643, and as the plans show, or as the engineer approves, except as follows.

Submit to engineer for approval a detailed traffic control plan for any changes to the proposed traffic control detail as the plans show. Submit this plan ten days before the preconstruction conference.

The turning of traffic control devices when not in use to obscure the message will not be allowed under this contract.

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

Conduct operations in such a manner that causes the least interference and inconvenience to the free flow of vehicles on the roadways. This includes the following:

Do not park or store any vehicle, piece of equipment, or construction materials on the right-of-way, unless otherwise specified in the traffic control article or without approval of the engineer.

All construction vehicles and equipment entering or leaving live traffic lanes shall yield to through traffic.

Equip all vehicles and equipment entering or leaving the live traffic lanes with a hazard identification beam (flashing yellow signal) capable of being visible on a sunny day when viewed without the sun directly on or behind the device from a distance of 1000 feet. Activate the beam when merging into or exiting a live traffic lane.

Do not disturb, remove or obliterate any traffic control signs, advisory signs, shoulder delineators or beam guard in place along the traveled roadways without the approval of the engineer. Immediately repair or replace any damage done to the above during the construction operations at contractor expense.

The traffic requirements are subject to change at the direction of the engineer in the event of an emergency.

ner-643-065 (20190410)

44. Nighttime Work Lighting-Stationary.

A Description

This special provision describes furnishing portable lighting as necessary to complete nighttime work. Nighttime operations consist of work specifically scheduled to occur after sunset and before sunrise.

B (Vacant)

C Construction

C.1 General

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

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

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

C.2 Portable Lighting

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

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

C.3 Light Level and Uniformity

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

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

C.4 Glare Control

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

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

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

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

C.5 Continuous Operation

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

D (Vacant)

E Payment

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

stp-643-010 (20100709)

45. Optimized Aggregate Gradation Incentive, Item 715.0710.

Description

This special provision describes optional contractor optimized aggregate gradation, optional optimized mixture designs, and associated additional requirements for class 1 concrete used in concrete pavements. Conform to standard specification part 7 and as follows:

Optimized Aggregate Gradation

Replace standard spec 715.2.2 with the following:

A Job Mix Formula (JMF) contains all of the following:

Proportions for each aggregate fraction conforming to table 1.

Individual gradations for each aggregate fraction.

Composite gradation of the combined aggregates including working ranges on each sieve according to table 2.

Submit the target JMF and aggregate production gradation test results to the engineer for review 10 business days before initial concrete placement.

TABLE 1 TARANTULA CURVE GRADATION BAND

SIEVE SIZES	PERCENT RETAINED
2 in.	0
1 1/2 in.	
1 in.	≤16
3/4 in.	≤20
1/2 in.	4-20
3/8 in.	4-20
No. 4	4-20
No. 8 ^[1]	≤12
No. 16 ^[1]	≤12
No. 30 ^{[1][2]}	4-20
No. 50 ^[2]	4-20
No. 100 ^[2]	
No. 200 ^[2]	

^[1] Minimum of 15% retained on the sum of the #8, #16, and #30 sieves.

^[2] Conform to 24-34% retained of fine sand on the #30-200 sieves.

TABLE 2 JMF WORKING RANGE

SIEVE SIZES	WORKING RANGE ^[1] (PERCENT)
2 in.	+/- 5
1 1/2 in.	+/- 5
1 in.	+/- 5
3/4 in.	+/- 5
1/2 in.	+/- 5
3/8 in.	+/- 5
No. 4	+/- 5
No. 8	+/- 4
No. 16	+/- 4
No. 30	+/- 4
No. 50	+/- 3
No. 100	+/- 2
No. 200	2.3

^[1] Working range limits of composite gradation based on moving average of 4 tests.

Replace standard spec 710.5.6 with the following:

Determine the complete gradation, including P200, using a washed analysis for both fine and coarse aggregates. Test each stockpile for each component aggregate once per 1,500 cubic yards during concrete production.

Take samples by one of the following sampling methods:

1. At the belt leading to the weigh hopper.
2. Working face of the stock piles at the concrete plant if approved by the engineer.

The department will take independent QV samples using the same sampling method the contractor uses for QC sampling. QV samples may be taken by the contractor's QC personnel if witnessed by the department's QV personnel. The department will split each QV sample and retain half for all dispute

resolutions. 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.

If, during concrete production, the moving average of four for any sieve fall outside the allowable JMF working range do the following:

1. Notify the engineer of the test results within 1 business day from the time of sampling.
2. Make immediate adjustments to the JMF, within the limits specified in Table 3;
3. Review JMF adjustments with the engineer. Both the contractor and engineer will sign the adjusted JMF if the adjustments comply with Table 3.
4. If the moving average of four falls outside the adjusted allowable working range, stop production and provide a new mix design including JMF to the engineer.

TABLE 3 ALLOWABLE JMF ADJUSTMENTS

SIEVE SIZES	ALLOWABLE ADJUSTMENT (PERCENT)
>= No. 4	+/- 5
No. 8 – No. 30	+/- 4
No. 50	+/- 3
No. 100	+/- 2

Dispute Resolution

The department will resolve disputes as specified in standard spec 106.3.4.3.5 using QV split samples.

Sublot and Lot Size

A sublot consists of up to 1,500 cubic yards. A lot consists of two sublots.

Optimized Concrete Mixtures

The contractor may use a reduced cementitious content for concrete pavement placed if the contractor does the following:

1. Use an optimized aggregate gradation as defined in this special provision.
2. Conform to the additional testing requirements for flexural strength as specified in the contract special provisions.
3. Submit aggregate gradation result records no more than 2 years old when developing the mix design.
4. Determine the volume of voids in the optimized aggregates using ASTM C29.
5. Download and follow the instructions tab of the Optimized Gradation and Mix Design Spreadsheet located at:
<https://wisconsin.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/qmp/default.aspx>
6. Design an appropriate paste content based upon the Performance-based PCC Mix Design Guide located at:
<https://wisconsin.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/qmp/default.aspx>
7. Provide a minimum V_{paste}/V_{voids} of 1.25. (Paste/Void ratio equals the volume of paste divided by the volume of voids.)
8. Evaluate workability of trial batches by following section 6.8 of AASHTO Draft Performance Engineered Concrete Pavement Mixtures Specifications located at:
<https://wisconsin.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/qmp/default.aspx>
9. Submit trial batch workability results when submitting the mix design.
10. Submit the CP Tech center computer spreadsheet concrete mix design to the engineer for review at least 3 business days before producing concrete.
11. Provide a minimum cement content of 520 pounds per cubic yard, except if using type I, II, or III cement in a mix where the geologic composition of the coarse aggregate is primarily igneous or metamorphic materials, provide a minimum cement content of 660 pounds per cubic yard.
12. The contractor may use class C fly ash or grade 100 or 120 slag as a partial replacement for cement. For binary mixes use up to 30% fly ash or slag. For ternary mixes use up to 30% fly ash plus slag in combination. Replacement values are in percent by weight of the total cementitious material in the mix.
13. See CMM 8-70.2.2.3 for additional guidance.

Measurement

The department will measure Optimized Aggregate Gradation Incentive by the dollar, for each combined averaged lot of QC test results meeting Table 1.

Payment

The department will pay incentive of 3 percent of the contract unit price for concrete pavement under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
715.0710 stp-715-005 (20181119)	Optimized Aggregate Gradation Incentive	DOL

46. Flexural Strength for Concrete Mix Design.

This special provision describes optional testing requirements for flexural strength during the mix design process. Conform to standard spec part 7 as modified in this special provision.

Add the following to standard spec table 701-2:

TEST	TEST STANDARD
Flexural Strength of Concrete	AASHTO T97

Replace standard spec 715.2.3.1(1) with the following:

- (1) Provide both compressive and flexural strength information to demonstrate the strength of the proposed mix design. Use either laboratory strength data for new mixes or field strength data for established mixes as follows:

- 1. Use at least 5 pairs of cylinders for compressive strength. Demonstrate that the 28-day compressive strength will equal or exceed the 85 percent within limits criterion specified in standard spec 715.5.2.
- 2. Use at least 5 pairs of beams for flexural strength. Demonstrate that the 28-day flexural strength will equal or exceed 650 psi.

stp-715-010 (20170615)

47. Select Clearing and Grubbing, Item SPV.0005.01.

A Description

This special provision describes selectively clearing and grubbing areas within the Schaefer Wetland Mitigation Site. Perform this work according to standard spec 201, as shown on the plans, and as supplemented herein.

B (Vacant)

C Construction

Perform clearing and grubbing accordance with standard spec 201.3 except that the department will select the individual trees to be removed. Take care to not damage trees to remain.

Coordinate with department to select tree removal locations within the select tree removal areas noted on the plans. Coordinate tree removal selection with Kathie Van Price of the WisDOT NE Region at (920) 492-7175. Contact the designated department contact a minimum of 14 calendar days prior to performing the work.

D Measurement

The department will measure Select Clearing and Grubbing according to standard spec 201.4.4.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0005.01	Select Clearing and Grubbing	ACRE

Payment is full compensation according to the pertinent sections of standard spec 201.5.

48. Preparation of Upland Topsoil, Item SPV.0005.02.

A Description

Prepare the seed bed for planting in the upland buffer areas adjacent to the Schaefer Wetland Mitigation Site as shown on the plan and as hereinafter provided. Some seeding zones may contain areas that will not require seed bed preparation. Prior to Seed Bed Preparation, the engineer will identify these areas.

B (Vacant)

C Construction

Work the upper 6 inches of the existing topsoil at locations specified in the plan until the size of existing vegetation, stalks, leaves and other biomass does not exceed 6 inches in size, or as directed by the engineer. Perform discing no more than 7 days prior to the time of seeding or as directed by the engineer. If planting does not occur within 7 days following discing, repeat discing to ensure a proper seeding surface. Once discing has been performed, do not drive over disced areas with equipment or vehicles prior to seeding activities.

D Measurement

The department will measure Preparation of Upland Topsoil by the acre, 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.0005.02	Preparation of Upland Topsoil	ACRE

Payment is full compensation for preparing the seed bed, working the upper 6 inches of existing topsoil, discing, and for any repeat discing.

49. Roadway Embankment, Item SPV.0035.01.

A Description

This special provision describes providing embankments and the materials needed to construct embankments. Conform to standard spec 207 and 208 and as below.

Material to construct embankments is incidental to this bid item, including Borrow.

B Materials

Furnish materials according to standard spec 207.2.

If Borrow material is used conform to standard spec 208.2.

C Construction

Conform to standard spec 207.3.

If Borrow material is used conform to standard spec 208.3.

D Measurement

The department will measure Roadway Embankment by the cubic yard, acceptably completed in its final position, using the method of average end areas, with no correction for curvature. The department will determine the end areas from preconstruction cross-sections of the area being covered by the proposed embankment and from cross-sections of the completed work. The engineer and contractor may mutually agree to an alternative volume calculation method. The department will not make allowances for

shrinkage, subsidence, lateral movement of the material, or for material in excess of that required for work the plans show or the engineer orders.

The department will not measure embankment material beyond the limits of the required slopes.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.01	Roadway Embankment	CY

Payment is full compensation for placing material to construct embankments which includes hauling, placing, forming, compacting, shaping, sloping, trimming, finishing, maintaining embankments and other incidental work required under standard spec 207 and 208.

Payment includes clearing, grubbing, excavating, disposing of surplus and unsuitable material and spreading salvaged material for covering the surfaces of excavated areas within the borrow sites.

The department will pay for material obtained from within the right-of-way limits but outside project excavation limits, furnished under standard spec 208.2.2, at a price determined under standard spec 109.4.

The department will pay for erosion control, fertilizing, and seeding of borrow sites and associated areas separately as specified for borrow sites and material disposal sites under standard spec 628.5.1.

The department will not pay separately for removing and disposing of rock, stone and boulders that the engineer rejects under standard spec 207.3.11.

The department will not pay separately for Borrow (bid item 208.0100). It is incidental to this SPV.

The department will pay separately for Select Borrow under the bid item 208.1100.

50. Foundation Backfill, Item SPV.0035.02.

A Description

This special provision describes providing foundation backfill that conforms to standard spec 520.

B Materials

Furnish Foundation Backfill according to 520.2.5.2.

C Construction

Place foundation backfill in layers no more than 8 inches thick after compaction to the top of the subgrade. Mechanically compact the entire length of each layer to the same degree as the material abutting the trench.

D Measurement

The department will measure Foundation Backfill 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.0035.02	Foundation Backfill	CY

Payment is full compensation for placing, shaping and compacting.

ner-520-025 (20190409)

51. Excavation Common Mitigation Site, Item SPV.0035.03.

A Description

This special provision describes common excavation within the limits of the Schaefer Wetland Mitigation Site. Perform this work according to standard spec 205, as shown on the plans, and as supplemented herein.

B Materials

Provide materials according to standard spec 205.2.2.

C Construction

Perform construction according to standard spec 205.3, and according to the Environmental Protection, Non-Aquatic Invasive Species Plants article.

D Measurement

Supplement standard spec 205.4.1 with the following:

(12) The department will measure Excavation Common Mitigation Site acceptably completed by the cubic yard, computing volumes using alternate methods involving 3-dimensional measurements (surface to surface comparison). Discuss with the engineer the agreed method prior to beginning earthwork operations. Provide surface data according to the article entitled Construction Staking Wetland Site of these special provisions or in a format agreed upon with the engineer.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.03	Excavation Common Mitigation Site	CY

Payment is full compensation according to the pertinent sections of standard spec 205.5.

52. Temporary Slope Drain, Item SPV.0060.01.

A Description

This special provision describes providing, maintaining, and removing a temporary slope drain to manage runoff from bridge decks before installation of surface drains, storm sewer, and pavement on the bridge approaches or permanent slope stabilization.

B (Vacant)

C Construction

Construct temporary slope drain conforming to the details shown in the plan and as required to fit the conditions of each location. Maintain the temporary slope drain at regular intervals or as the engineer directs. At a minimum maintain temporary slope drains until installation of permanent surface drains, storm sewer, and pavement are complete for bridges with finished approaches. Maintain the temporary slope drain at bridges without finished approaches or permanent drainage structures until downstream fill slopes are stabilized to prevent runoff scour.

D Measurement

The department will measure Temporary Slope Drain as each individual location installed conforming to the contract 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.0060.01	Temporary Slope Drain	EACH

Payment is full compensation for furnishing and maintaining all materials; and for removal of the temporary slope drains.

ner-210-015 (20171213)

53. Temporary Stone Ditch Checks, Item SPV.0060.02.

A Description

This special provision describes providing temporary stone ditch checks; cleaning and maintaining ditch checks as the plans show or as the engineer directs and removing and disposing of the ditch checks as the engineer directs.

B Materials

Conform to standard spec 606.2.1 using the following gradation:

INCHES	VOLUME OCCUPIED
	BY STONES
>8	0%
4-6	50% - 90%
<2	5% or less

Material shall be visually inspected and approved by the engineer.

C Construction

Place stone ditch checks immediately after shaping of the ditches or slopes are completed. Place stone checks at right angles to the direction of flow and construct conforming to the details shown in the plans.

Remove sediment from behind the stone ditch checks when it has accumulated to one half of the original height of the dam. Perform cleaning conforming to standard spec 628.

D Measurement

The department will measure Temporary Stone Ditch Checks by each item, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.02	Temporary Stone Ditch Checks	EACH

Payment is full compensation for furnishing, installing, maintaining, and cleaning; disposal of sediment; and for removing temporary ditch check.

Restoration of the area after ditch check removal shall be paid for with restoration items included in the contract.

ner-628-070 (20171213)

54. Temporary Sand Bag Dike, Item SPV.0060.03.

A Description

This work shall consist of the construction of dikes or barriers with sand filled bags as shown on the plans and as hereinafter provided. Remove and dispose of the sand bags and all surplus material upon completion of its use under this contract.

B Materials

The bags shall be canvas, burlap, nylon or other approved material. The bags shall contain a minimum of one half cubic foot of sand, be of one size and shape and be securely closed. The sand shall conform to the requirements 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 (Vacant)

D Measurement

The department will measure Temporary Sand Bag Dike as each individual Temporary Sand Bag Dike, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.03	Temporary Sand Bag Dike	EACH

Payment is full compensation for furnishing and installing sand filled bags; for furnishing all excavation; for removal and disposal of the sand bags and all waste or surplus materials, including eroded materials; for shaping and restoring the area. Any required topsoiling, fertilizing, seeding, or mulching will be paid for under the applicable item.

**55. Vertical Impact Recovery Panel, Item SPV.0060.07;
Vertical Impact Recovery Panel Base, Item SPV.0060.08.**

A Description

This special provision describes providing double-faced vertical impact recovery panels and surface mounted vertical impact recovery panel bases for traffic control stage construction conforming to the Manual of Uniform Traffic Control Devices (MUTCD), standard spec 643, and as follows.

B Materials

Furnish Vertical Impact Recovery Panels and flexible supporting posts that are made of non-metallic material, have a reactive spring so as to be resistant to direct low impact wheel hits, and have the capability of immediately restoring themselves to a vertical position when struck by a standard vehicle. The surface mounted Vertical Impact Recovery Panel Bases shall have a maximum size of 8 inches square and shall not be a hazard to vehicles.

Furnish Vertical Impact Recovery Panels that have alternating orange and white reflective stripes conforming to the MUTCD, and orange posts. The panels shall be two-sided panels to face both directions of traffic as indicated on the plans and shall have an overall height above the pavement of 36 inches. Reflective sheeting shall meet the requirements of standard spec 637.2.2.2 and shall be suitable for use on reboundable traffic control devices. The alternating orange and white stripes shall slope downward in the direction traffic is to flow.

C Construction

Attach the Vertical Impact Recovery Panels and supporting posts to the base conforming to the manufacturer's recommendations. Attach the surface-mounted bases to the pavement surface conforming to standard spec 643.3.2.

D Measurement

The department will measure Vertical Impact Recovery Panels and Vertical Impact Recovery Panel Bases in place by the unit for each unit acceptably furnished and installed. Replacement of damaged posts and bases will be measured for payment for each post and base replaced. No payment will be made to replace bases inadequately secured to the pavement.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.07	Vertical Impact Recovery Panels	EACH
SPV.0060.08	Vertical Impact Recovery Panel Bases	EACH

Payment is full compensation for furnishing, installing, and maintaining the panels and bases, and associated mounting hardware.

56. Gates Wood Double Leaf 20-Foot, Item SPV.0060.09.

A Description

This special provision describes furnishing and erecting wood gates according to the details shown on the plans, standard spec 507, and as follows.

B Materials

Provide structural lumber and timber conforming to standard spec 507.2.2. Treat structural lumber and timber by the pressure process conforming to standard spec 507.2.2.6, except that creosote-coal tar or pentachlorophenol shall not be used for treatment.

Provide bolts, nuts, and washers according to ASTM Designation A325.

Provide bolt hooks that are zinc coated according to ASTM Designation A325.

Provide all hardware and miscellaneous steel plates that are according to ASTM A36M. Paint all miscellaneous steel plates with a catalyzed (two component) epoxy paint, black in color, over a zinc rich primer according to standard spec 517.2.

A gate lock is not required.

C Construction

Construct Wood Gates Double Leaf 20-Foot according to the details shown in the plans, with the exception of the gate lock.

D Measurement

The department will measure Wood Gates Double Leaf 20-Foot as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.09	Wood Gates Double Leaf 20-Foot	EACH

Payment is full compensation for furnishing and installing all materials, including treated timbers, hardware, and steel plates.

57. Seeding Upland Buffer Mix, Item SPV.0085.01; Seeding Wet Meadow and Shallow Marsh Mix, Item SPV.0085.02.

A Description

Supply and plant seed for the upland buffer and wet meadow planting zones. Planting zones are shown on the plans or are as the engineer directs.

B Materials

Supply seed samples and germination test data and store and deliver seed according to standard spec 630.

Provide seed specifications from the vendor to the engineer at least 10 days prior to planting for review and approval.

Provide seed free of non-seed debris and invasive weed species.

Use the following seeding schedule in each of the designated zones. Prior to seeding, obtain approval from the engineer for any substitutions or changes to the seeding schedule.

Seeding Upland Buffer Mix		
Common Name	Scientific Name	Seeding Rate
Switch Grass	<i>Panicum virgatum</i>	1 lb/acre
Indian Grass	<i>Sorghastrum nutans</i>	3 lbs/acre
Big Bluestem	<i>Andropogon gerardii</i>	3 lbs/acre
Canada Wild Rye	<i>Elymus canadensis</i>	4 lb/acre
Yellow Coneflower	<i>Ratibida pinnata</i>	3 oz/acre
Black Eyed Susan	<i>Rudbeckia hirta</i>	1 oz/acre

Purple Prairie Clover	<i>Dalea purpurea</i>	4 oz/acre
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Sow Seeding Upland Buffer Mix at a rate of 11.5 lbs/acre.

Seeding Wet Meadow Mix and Shallow Marsh Mix			
Common Name	Scientific Name	Seeding Rate	Percentage
Fringed Brome		1.24 lbs/acre	15.46%
Bluejoint		0.08 lbs/acre	1.00%
Virginia Wild Rye		2.02 lbs/acre	25.19%
Reed Manna Grass		0.26 lbs/acre	3.24%
Annual Rye		1.30 lbs/acre	16.21%
Fowl Bluegrass		1.54 lbs/acre	19.20%
Prairie Cordgrass		0.50 lbs/acre	6.23%
Pointed Brome		0.14 lbs/acre	1.75%
Fox Sedge		0.40 lbs/acre	4.99%
Green Bulrush		0.08 lbs/acre	1.00%
Wool Grass		0.04 lbs/acre	0.50%
Soft Stem Bulrush		0.16 lbs/acre	2.00%
Water Plantain		0.08 lbs/acre	1.00%
Swamp Milkweed		0.02 lbs/acre	0.25%
Swamp Aster		0.01 lbs/acre	0.12%
Flat-Topped Aster		0.01 lbs/acre	0.12%
Joy-Pye Weed		0.01 lbs/acre	0.12%
Boneset		0.01 lbs/acre	0.12%
Sneezeweed		0.01 lbs/acre	0.12%
Tall Blazingstar		0.03 lbs/acre	0.37%
Great Blue Lobelia		0.01 lbs/acre	0.12%
Monkey Flower		0.01 lbs/acre	0.12%
Common Arrowhead		0.04 lbs/acre	0.50%
Blue Vervain		0.02 lbs/acre	0.25%

Sow Seeding Wet Meadow Mix at a rate of 8.02 lbs/acre.

C Construction

Prepare seed beds and sow the required seed according to applicable portions of standard spec 630 and the requirements in the article for Preparation of Upland Topsoil.

Contact the NE Region Environmental Section, (920) 492-7738, and the engineer a minimum of two weeks prior to seeding to allow for direction on final seeding locations.

Sow seeding at the following rates or as directed by the engineer:

- Sow Seeding Upland Buffer Mix at a rate of 11.5 lbs/acre.
- Sow Seeding Wet Meadow and Shallow Marsh Mix at a rate of 8.02 lbs/acre.

D Measurement

The department will measure Seeding Upland Buffer Mix and, Seeding Wet Meadow and Shallow Marsh Mix by the pound, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0085.01	Seeding Upland Buffer Mix	LB
SPV.0085.02	Seeding Wet Meadow and Shallow Marsh Mix	LB

Payment is full compensation for providing, handling, and storing all seed; for providing the required culture and inoculating seed as specified; and for preparing the seed bed, sowing, covering, and firming the seed.

58. Low Maintenance Seed Mix, Item SPV.0085.03.

A Description

This special provision describes furnishing and sowing low-maintenance seed at the locations the plans show. Conform to standard spec 630 and as follows.

B Materials

Furnish one of the following seed mixes: "No-Mow" seed mix as produced by Prairie Nursery, Westfield, Wisconsin; "Eco-Grass" as produced by Prairie Moon Nursery, Winona, MN; or an approved equal.

C Construction

Prepare the seed bed conforming to standard spec 630.3.2. Sow the seed mix conforming to standard spec 630.3.3. Sow seed at a rate that is conforming to the manufacturer's recommendations.

D Measurement

The department will measure Low Maintenance Seed Mix by the pound 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.0085.03	Low Maintenance Seed Mix	LB

Payment is full compensation for performing the work as described in 630.5 of the standard specification. ner-630-005 (20190709)

59. Fence Chain Link Polymer-Coated 6-Ft. B-20-218, Item SPV.0090.01.

A Description

This special provision describes furnishing and installing a new polymer-coated fence system on structures in conforming to the pertinent plan details and as directed by the engineer. The color of all components in this fence system shall be the same and shall be as specified on the plans.

B Materials

All materials for this fence system shall be new stock, free from defects impairing strength, durability, and appearance. Fabric shall be produced by methods recognized as good commercial practice. Wire used in the manufacture of the fabric shall be capable of being woven into fabric without the polymer-coating cracking or peeling. Pipes used in framework shall be straight, true to section and free of defects. All burrs at the ends of pipes shall be removed before galvanizing. The polymer-coating shall be a dense impervious covering, applied without voids, tears or cuts that reveal the substrate. Excessive roughness, bubbles, blisters and flaking in the polymer-coating will be a basis for rejection.

B.1 Fabric

Provide steel chain link fence fabric conforming to the requirements of ASTM F668, Class 2b, a polymer-coating fused and adhered to wire that is zinc-coated. Provide fabric woven from 9-gage wire using plan specified mesh size, diamond pattern, with both the top and bottom selvages knuckled. The minimum breaking strength of the wire shall be 1290 lbs. The color of polymer-coating shall conform to the requirements of ASTM F934.

B.2 Framework

Provide steel rails, posts and post sleeves conforming to the requirements of ASTM F1083, Standard Weight Pipe (Schedule 40) of the size (O.D.) and weight as shown on the plans. The minimum yield strength shall be 30,000 psi and the minimum tensile strength shall be 48,000 psi. These components shall be zinc-coated inside and outside by the hot-dip process as stated in ASTM F1083. Provide polymer-coating over zinc-coating conforming to ASTM F1043. The color of polymer-coating shall

conform to the requirements of ASTM F934, and match the color of the other fence components. Weld base plate to posts or post sleeves and complete any additional welding of components before galvanizing.

B.3 Fittings

Provide end post caps, line post caps, top rail sleeves, rail ends, line rail clamps, brace bands, tension bands, tension bars, and tie wires that are steel and conform to the requirements of ASTM F626. Tie wires shall be round and 9-gage wire. These components (excluding tie wires) shall be zinc-coated by the hot-dip process as stated in ASTM F626. Provide polymer-coating over zinc-coating on components (excluding tie wires) that conforms to the requirements of ASTM F626. For tie wires, provide polymer-coating on wire that is zinc-coated using the same procedure as used for the wires in the fence fabric. End post caps and line post caps shall fit tightly over posts to prevent moisture intrusion. Supply dome style caps for end posts and loop type caps for line posts. The color of polymer-coating shall conform to the requirements of ASTM F934, and match the color of the other fence components.

B.4 Bolts

All bolts are to be supplied with lock washers and nuts. Use galvanized steel bolts, nuts and washers per plan details.

B.5 Tests

B.5.1 Fabric and Tie Wire

Breaking Strength: ASTM A370

Zinc-Coating Requirements

Weight of Zinc-Coating: ASTM A90

Polymer-Coating Requirements

Thickness of Polymer-Coating: ASTM F668

Adhesion: ASTM F668

Accelerated Aging Test: ASTM F668, D1499

Mandrel Bend Test: ASTM F668

B.5.2 Framework

Tensile and Yield Strength: ASTM E8

Zinc-Coating Requirements

Weight of Zinc-Coating: ASTM A90

Polymer-Coating Requirements

Thickness of Polymer-Coating: ASTM E376

Adhesion: ASTM F1043

Accelerated Aging Test: ASTM F1043, D1499

B.5.3 Fittings

Zinc-Coating Requirements

Weight of Zinc-Coating: ASTM A90

Polymer-Coating Requirements

Thickness of Polymer-Coating: ASTM F626

Adhesion: ASTM F1043 (same test as for framework)

Accelerated Aging Test: ASTM F1043, D1499 (same test as for framework)

B.6 Submittals

In addition to the engineer, send submittals listed in this section to the name below for informational purposes:

David Nelson
WisDOT (Bureau of Structures)
4822 Madison Yards Way
Madison, WI 53705

B.6.1 Shop Drawings

Submit shop drawings showing the details of fence construction. Show the fence height, post spacing, rail location, and all dimensions necessary for the construction of the chain link fence. Label the end posts, line posts, rails, post sleeves, top rail sleeves, bolts and fittings. State the polymer-coating type used on the fabric, framework and fittings and the Class of coating used on the fabric. State the color of polymer-coating to be used on the fence components. For the fabric, state the wire gage, mesh size, and type of selvages used. For the framework, state the size (O.D.) and unit weight for the posts and rails. For the fittings, state the size for top rail sleeves, brace bands, tension bands, tension bars, line rail clamps, size and type of bolts, and the tie wire gage. State the material type used for fabric, framework, and fittings. Also give the breaking strength for the fabric wire and the tensile and yield strength properties for the framework.

B.6.2 Specification Compliance

Submit certification of compliance with material specifications. Provide material certification and test documentation for fabric, framework, fittings and hardware that shows that all materials meet or exceed the specifications of this contract and the tests in section B5 of this specification. This document shall provide the name, address and phone number of the manufacturer, and the name of a contact person.

C Construction

C.1 Delivery, Storage and Handling

Deliver material to the site in an undamaged condition. Upon receipt at the job site, all materials shall be thoroughly inspected to ensure that no damage occurred during shipping or handling and condition of materials is in conformance with these specifications. If polymer-coating is damaged, contractor shall repair or replace components as necessary to the approval of the engineer at no additional cost to the Owner. Carefully store material off the ground to ensure proper ventilation and drainage and to provide protection against damage caused by ground moisture. Handle all polymer-coated material with care.

C.2 Touch-up and Repair

For minor damage caused by shipping, handling or installation to polymer-coated surfaces, touch-up the finish conforming to the manufacturer's recommendations. Provide touch-up coating such that repairs are not visible from a distance of 6-feet. If damage is beyond repair, the fencing component shall be replaced at no additional cost to the Owner. The contractor shall provide the engineer with a copy of the manufacturer's recommended repair procedure and materials before repairing damaged coatings.

C.3 General

Install the chain link fence conforming to ASTM F567 and the manufacturer's instructions. The contractor shall provide staff that is thoroughly familiar with the type of construction involved and materials and techniques specified. Chain link fabric shall be installed on the side of the posts indicated on the plans. Fabric shall be attached to the end posts with tension bars and tension bands. It shall be attached to rails, and posts without tension bands, with tie wires. The fabric shall be installed and pulled taut to provide a smooth and uniform appearance free from sag, without permanently distorting the fabric diamond or reducing the fabric height. Install top rail to pass through line post caps and form a continuous brace between end posts. Minimum length of top rail between splices shall be 20-feet. Splice top rail at joints with sleeves for a rigid connection. Locate splices near 1/4-point of post spacing. Heads of bolts shall be on the side of the fence adjacent to pedestrian traffic.

D Measurement

The department will measure Fence Chain Link Polymer-Coated 6-Ft. by the linear foot, acceptably furnished and installed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Fence Chain Link Polymer-Coated 6-Ft. B-20-218	LF

Payment is full compensation for fabricating, galvanizing and polymer-coating all fence components, and transporting to jobsite; and for erecting components to create a polymer-coated fence system, including any touch-up and repairs.

60. Removing Centerline Rumble Strips, Item SPV.0090.02.

A Description

This special provision describes removing centerline rumble strips by milling and filling with HMA 4-MT 58-28 S as the plans show. Conform to standard spec 204, standard spec 460 and as follows.

B Materials

Use HMA 4-MT 58-28 S conforming to standard spec 460. Use Tack Coat conforming to standard spec 455.2.5.

QC testing and HMA density testing is waived regardless of tonnage. Acceptance will be by visual inspection unless defined by contract change order.

C Construction

Remove centerline rumble strips by asphaltic surface milling to a width of 2 feet and a depth of 2 inches.

Before filling the existing rumble strip depressions, clean the depressions by sweeping, flushing, or using a stream of compressed air; then, coat the depressions with tack coat. Fill in the depressions with HMA 4-MT 58-28 S. Overfill the rumble strips slightly and compact using a plate tamper or static roller so that the final compacted surface is flush with the existing pavement.

D Measurement

The department will measure Removing Centerline Rumble Strips by the linear foot.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.02	Removing Centerline Rumble Strips	LF

Payment is full compensation for removing centerline rumble strips by asphaltic surface milling, cleaning the milled depressions; furnishing and applying tack coat; and for furnishing and placing HMA 4-MT 58-28 S.

61. Relapping Steel Plate Beam Guard, Item SPV.0090.03

A Description

This special provision describes removing and reinstalling beam guard. Conform to standard spec 614 and as shown in the plans.

B Materials

Provide hardware that conforms to standard spec 614.

C Construction

Remove beam guard rail and reset so lap splices are in the direction of traffic.

D Measurement

The department will measure Relapping Steel Plate Beam Guard by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.03	Relapping Steel Plate Beam Guard	LF

Payment is full compensation for removing and resetting of beam guard rail and for providing replacement hardware as needed.

62. Concrete Barrier Temporary Precast Anchoring, Item SPV.0090.04.

A Description

This special provision describes anchoring temporary concrete barrier. Conform to standard spec 603 and as follows.

B Materials

Follow standard spec 603.

C Construction

Perform this work according to standard spec 603.3.2.1, the plans, and as hereinafter provided.

Under the Concrete Barrier Temporary Precast Anchoring bid item, furnish, deliver, and install anchors at the locations shown in the plans, as required by the project conditions, or as the engineer directs. Install anchors during the initial installation of the temporary concrete barrier and during any subsequent reinstallations of the temporary concrete barrier as required.

Remove any anchoring during barrier removal and fill remaining holes with epoxy.

D Measurement

The department will measure Concrete Barrier Temporary Precast Anchoring by the linear foot, acceptably completed, measured as the linear feet of barrier initially installed or reinstalled. The department will not measure anchoring 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.0090.04	Concrete Barrier Temporary Precast Anchoring	LF

Payment is full compensation for furnishing, delivering, and installing anchoring devices; for removal of any anchoring devices and filling holes with epoxy.

ner-603-010 (20180403)

63. Concrete Curb & Gutter 30-Inch Type D Reinforced, Item SPV.0090.05.

A Description

This special provision describes concrete curb & gutter with reinforcing bars used at bridge approaches.

B Materials

Furnish concrete conforming to standard spec 601.2.

Furnish steel reinforcement conforming to standard spec 505.2.4.

Furnish joint sealer conforming to standard spec 502.2.9.

C Construction

Construct according to standard spec 601.3 and as shown in the plans.

Install reinforcement according to standard spec 505.3 and as shown in the plans.

Install joint sealant according to standard spec 502.3.6 and as shown in the plans.

D Measurement

The department will measure Concrete Curb & Gutter 30-Inch Type D Reinforced by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.05	Concrete Curb & Gutter 30-Inch Type D Reinforced	LF

Payment is full compensation for foundation preparation; for providing materials, including concrete and expansion joints; for placing, finishing, protecting and curing; and for restoring the site. Payment also includes providing and placing all steel reinforcement and for providing and placing all joint sealants.

64. Construction Staking Wetland Site, Item SPV.0105.01.

A Description

Perform work according to standard spec 650.

Perform all survey required to layout and construct the Schaefer Wetland Mitigation Site.

Add to standard spec 105.6.2 with the following:

The department will not perform any construction staking for the Schaefer Wetland Mitigation Site. Perform all survey required to layout and construct the work for the Schaefer Wetland Mitigation Site, subject to engineer's approval.

The department may choose to perform quality assurance survey during construction of the Schaefer Wetland Mitigation Site. This quality assurance survey does not relieve the contractor of the responsibility for furnishing all survey work required under this contract.

Delete standard spec 650.1.

B (Vacant)

C Construction

Perform survey required under this item according to all pertinent requirements of standard spec 650. Survey includes all other miscellaneous survey required to layout and construct all work under this contract in the Schaefer Wetland Mitigation Site.

The department will provide primary horizontal and vertical control for construction of earthwork along with a disk containing 3-dimensional surface data. The 3-dimensional data will include the existing ground surface and proposed surface(s) for the mitigation site. The data for the existing ground surface was collected by the department using conventional ground survey methods (non-flight). The contractor is responsible for utilizing the 3-dimensional data to complete the earthwork construction to the lines and grades as shown on the plans.

Complete site grading construction staking for both the subgrade and finished grade according to standard spec 650.3.

D Measurement

The department will measure Construction Staking Wetland Site as a single lump sum unit of work, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.01	Construction Staking Wetland Site	LS

Payment is full compensation for performing all survey work required to lay out and construct the Schaefer Wetland Mitigation Site.

Culvert pipe staking at the Schaefer Wetland Mitigation Site will be paid separately under the applicable bid item provided in the contract.

Payment is full compensation according to standard spec 630.5.

65. Temporary Bypass Channel, STA 572+65, Item SPV.0105.02.

A Description

This special provision describes providing a temporary bypass channel for the drainage way through structures the bid items designate. The contractor may propose other alternatives for a temporary bypass channel as long as the proposed alternative is outlined in the ECIP. Materials used for alternative proposals are incidental to this item.

B Materials

Construct temporary bypass channel conforming to the details provided in the plan. Provide polyethylene sheeting conforming to standard spec 628.2 and provide select crushed material conforming to standard spec 312.

C Construction

Construct temporary bypass channel conforming to standard spec 205.3 and 628.3. Maintain channel flow at all times and minimize erosion into the existing stream using appropriate erosion control measures.

D Measurement

The department will measure Temporary Bypass Channel STA 572+65, including all stages, as a single lump sum 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.0105.02	Temporary Bypass Channel STA 572+65	LS

Payment is full compensation for furnishing materials, any excavation required, hauling, placing all materials, including sand bags, polyethylene sheeting, anchors, and select crushed material, and for channel change removal.

66. Temporary Bypass Channel, STA 588+75 – STA 603+07, Item SPV.0105.03.

A Description

This special provision describes providing a temporary bypass channel for the drainage way through structures the bid items designate. The contractor may propose other alternatives for a temporary bypass channel as long as the proposed alternative is outlined in the ECIP. Materials used for alternative proposals are incidental to this item.

B Materials

Construct temporary bypass channel conforming to the details provided in the plan. Provide polyethylene sheeting conforming to standard spec 628.2 and provide select crushed material conforming to standard spec 312.

C Construction

Construct temporary bypass channel conforming to standard spec 205.3 and 628.3. Maintain channel flow at all times and minimize erosion into the existing stream using appropriate erosion control measures.

D Measurement

The department will measure Temporary Bypass Channel STA 588+75 – STA 603+07, including all stages, as a single lump sum 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.0105.03	Temporary Bypass Channel STA 588+75 – STA 603+07	LS

Payment is full compensation for furnishing materials, any excavation required, hauling, placing all materials, including sand bags, polyethylene sheeting, anchors, and select crushed material, and for channel change removal.

67. Concrete Sidewalk 6-Inch Reinforced, Item SPV.0165.01.

A Description

This special provision describes thickened concrete sidewalk with reinforcing bars used at bridge approaches.

B Materials

Furnish concrete conforming to standard spec 602.2.

Furnish steel reinforcement conforming to standard spec 505.2.4.

Furnish joint sealer conforming to standard spec 502.2.9.

C Construction

Construct according to standard spec 602.3 and as shown in the plans.

Install reinforcement according to standard spec 505.3 and as shown in the plans.

Install joint sealant according to standard spec 502.3.6 and as shown in the plans.

D Measurement

The department will measure Concrete Sidewalk 6-Inch Reinforced by the square foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.01	Concrete Sidewalk 6-Inch Reinforced	SF

Payment is full compensation for foundation preparation; for providing materials, including concrete and expansion joints; for placing, finishing, protecting and curing; and for restoring the site. Payment also includes providing and placing all steel reinforcement and for providing and placing all joint sealants.

68. Salvaged Topsoil 12-Inch, Item SPV.0180.02.

A Description

Perform this work according to standard spec 625, as shown on the plans and as supplemented herein.

Remove topsoil from the sites of proposed excavations and embankments in amounts and depth available and necessary to cover the work slopes. This work also includes reclamation, placing, spreading, and finishing of this topsoil.

B Materials

Furnish and use materials in the work that conform to the pertinent requirements of standard spec 625.2.

C Construction

Add to standard spec 625.3 with the following:

Place and spread the topsoil to a minimum depth of 12-inches.

D Measurement

The department will measure Salvaged Topsoil 12-Inch by the square yard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.02	Salvaged Topsoil 12-Inch	SY

Payment is full compensation for removing, stockpiling, reclaiming, hauling, and placing this material; for undercutting excavations, or underfilling embankments necessary to receive this material.

The department will make no deductions from the Excavation bid item for the quantities of salvaged topsoil material obtained from areas of cut sections. Additionally, the department will not measure or pay for the volumes of salvaged topsoil removed from site of proposed embankments under the Excavation bid items, or make any allowance, adjustments, or measurements for payment under the Excavation bid items for undercutting cut sections, or underfilling embankments.

69. Salvaged Topsoil Over Riprap, Item SPV.0180.03.

A Description

This special provision describes placing salvaged topsoil over riprap areas.

B Materials

Furnish and use materials in the work that conform to the pertinent requirements of standard spec 625.2.

C Construction

Supplement standard spec 625.3 with the following:

Place and spread the salvaged topsoil to a depth necessary to fill in the voids within the riprap areas. Extend the salvaged topsoil flush with the top of the riprap.

D Measurement

The department will measure Salvaged Topsoil Over Riprap by the square yard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.03	Salvaged Topsoil Over Riprap	SY

Payment is full compensation according to the pertinent sections of standard spec 625.5.2.

The department will pay separately for riprap under the pertinent items provided in the contract.

**ADDITIONAL SPECIAL PROVISION 1 (ASP 1)
FOR TRANSPORTATION ALLIANCE FOR NEW SOLUTIONS (TrANS)
PROGRAM EMPLOYMENT PLACEMENTS AND APPRENTICESHIPS**

The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), Section 5204(e) – Surface Transportation Workforce Development Training and Education, provides for 100 percent Federal funding if the core program funds are used for training, education, or workforce development purposes, including “pipeline” activities. The core programs includes: Congestion Mitigation and Air Quality Improvement (CMAQ) Program, Highway Bridge Program (HBP), Interstate Maintenance (IM), National Highway System (NHS), and Surface Transportation Program (STP). These workforce development activities cover surface transportation workers, including OJT/SS programs for women and minorities as authorized in 23 U.S.C. §140(b).

TrANS is an employment program originally established in 1995 in Southeastern Wisconsin. Currently TrANS has expanded to include TrANS program locations to serve contractors in Southeast (Milwaukee and surrounding counties), Southcentral (Dane County and surrounding counties including Rock County), and most Northeastern Wisconsin counties from locations in Keshena, Rhinelander and surrounding far Northern areas. TrANS attempts to meet contractor’s needs in other geographic locations as possible. It is an industry driven plan of services to address the outreach, preparation, placement and retention of women, minorities and non-minorities as laborers and apprentices in the highway skilled trades. These candidate preparation and contractor coordination services are provided by community based organizations. For a list of the TrANS Coordinators contact the Disadvantaged Business Enterprise Office at (414) 438-4583 in Milwaukee or (608) 266-6961 in Madison. These services are provided to you at no cost.

I. BASIC CONCEPTS

Training reimbursements to employing contractors for new placements, rehires or promotions to apprentice of TrANS Program graduates will be made as follows:

- 1) **On-the-Job Training, Item ASP.1T0G, ASP 1 Graduate.** At the rate of \$5.00 per hour on federal aid projects when TrANS graduates are initially hired, or seasonally rehired, as unskilled laborers or the equivalent.

Eligibility and Duration: To the employing contractor, for up to 2000 hours from the point of initial hire as a TrANS program placement.

Contract Goal: To maintain the intent of the Equal Employment Opportunity program, it is a goal that 24 (*number*) TrANS Graduate(s) be utilized on this contract.

- 2) **On-the-Job Training, Item ASP.1T0A, ASP 1 Apprentice.** At the rate of \$5.00 per hour on federal aid projects at the point when an employee who came out of the TrANS Program is subsequently entered into an apprenticeship contract in an underutilized skilled trade (this will include the Skilled Laborer Apprenticeship when that standard is implemented).

Eligibility and Duration: To the employing contractor, for the length of time the TrANS graduate is in apprentice status.

Contract Goal: To maintain the intent of the Equal Employment Opportunity program, it is a goal that 14 (*number*) TrANS Apprentice(s) be utilized on this contract.

- 3) The maximum duration of reimbursement is two years as a TrANS graduate plus time in apprentice status.
- 4) If a TrANS program is not available in the contractor's area and another training program is utilized, payment of On-the-Job Training hours may be approved by the Wisconsin Department of Transportation (WisDOT) if the training program meets the established acceptance criteria. Only On-the-Job Training Hours accumulated after WisDOT approval will be reimbursed as specified under Items ASP.1T0G and ASP.1T0A. For more information, contact the Disadvantaged Business Enterprise Office at the phone numbers listed above.
- 5) WisDOT reserves the right to deny payments under items ASP.1T0G and ASP.1T0A if the contractor either fails to provide training or there is evidence of a lack of good faith in meeting the requirements of this training special provision.

I. RATIONALE AND SPECIAL NOTE

The \$5.00 per hour now being paid for TrANS placements is intended to cover the duration of two years to allow for reaching entry-level laborer status. An additional incentive, the \$5.00 rate, would promote movement into the underutilized skilled trades' apprenticeships and applies until the individual completes their apprenticeship. These incentives benefit TrANS candidates by giving them a better opportunity to enter a skilled trade; benefits contractors who will be assisted in meeting their EEO profiles and goals; and benefits the public who will see the program reinforce larger public-private employment reform in Wisconsin. The pool of TrANS graduates was created for the purpose of addressing underutilization in the skilled trades, an objective that is further reinforced by a parallel retention pilot program, known as the Companywide Reporting. *Whether or not reimbursement is involved, the WisDOT reassures contractors who are in the Companywide Program that TrANS placements still contribute toward fulfilling the new hire goal of 50% women and minorities.* Based on data administered by United States Department of Labor (US DOL), the highway skilled trades remain underutilized for women statewide (less than 6.9%); and for minorities in all counties (% varies by county).

NOTE: *Unless using other advancement strategies, contractors are encouraged to use some or all of this monetary incentive to offset the cut in hourly wages an individual may incur when entering an apprenticeship if the full general laborer hourly rate has been previously paid. No special accounting measures are required.*

II. IMPLEMENTATION

The implementation of ASP 1 is intended to cover only the amount of time it takes for underutilization to be resolved across the trades. This will be measured annually at the county and/or state levels using data administered by WisDWD in relation to goals set by the USDOL-

OFCCP. With appropriate state and federal approvals, we may also do some measurement at the company level.

It is the contractor's responsibility to note on their Certified Payrolls if their employee is a TrANS graduate or a TrANS apprentice. The District EEO Coordinators utilize the information on the Certified Payrolls to track the hours accumulated by TrANS Graduates and TrANS apprentices on WisDOT contracts. Payment under this ASP 1 is made based on the hours recorded off of the Certified Payrolls. Tracking may eventually include improved linkages with the WisDWD apprentice database, information from company and committee level sources.

TrANS is nondiscriminatory by regulation, and is a tool for optional use by contractors to address the underutilization of women and minorities as laborers and apprentices in our industry's skilled trades.

IV. TRANS TRAINING

As part of the contractor's equal employment opportunity affirmative action program, training shall be provided to employees enrolled in apprenticeship and on-the-job training programs as follows:

The contractor shall provide on-the-job training aimed at developing full journey workers in the type of trade or job classifications involved. In the event the contractor subcontracts a portion of the contract work, the contractor shall determine how many, if any, of the trainees are to be trained by the subcontractor provided, however, that the contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The contractor shall also insure that this training special provision is made applicable to such subcontract.

Training and upgrading of minorities and women toward journey workers status is a primary objective of this training special provision. Accordingly, the contractor shall make every effort to enroll minority trainees and women (e.g., by conducting systematic and direct recruitment through public and private sources likely to yield minority trainees and women trainees); to the extent such persons are available within a reasonable area of recruitment. The contractor will be given an opportunity and will be responsible for demonstrating the steps that they have taken in pursuance thereof, prior to determination as to whether the contractor is in compliance with this training special provision. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journey workers status or in which they have been employed as a journey worker. The contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used, the contractor's records should document the findings in each case.

V. APPRENTICESHIP TRAINING

The Federal Highway Administration's (FHWA) policy is to require full use of all available training and skill improvement opportunities to assure increased participation of minority groups, disadvantaged persons and women in all phases of the highway construction industry. The FHWA On-the-Job Training (OJT) Program requires the State transportation agencies (STAs) to establish apprenticeships and training programs targeted to move women, minorities, and disadvantaged individuals into journey-level positions to ensure that a competent workforce is available to meet highway construction hiring needs, and to address the historical under-representation of members of these groups in highway construction skilled crafts.

The OJT Supportive Services (OJT/SS) Program was established in Title 23 Code of Federal Regulations (CFR), Part 230) to supplement the OJT program and support STA training programs by providing services to highway construction contractors and assistance to highway construction apprentices and trainees. The primary objectives of OJT/SS are:

- (1) To increase the overall effectiveness of the State highway agencies' approved training programs.
- (2) To seek other ways to increase the training opportunities for women, minorities, and disadvantaged individuals.

The STAs are responsible for establishing procedures, subject to the availability of Surface Transportation and Bridge Funds under 23 U.S.C. §140(b) (Nondiscrimination), for the provision of supportive services with respect to training programs approved under 23 CFR, Part 230(a) (Equal Employment Opportunity on Federal and Federal-aid Construction Contracts – including Supportive Services).

The contractor and subcontractor shall maintain records to demonstrate compliance with these apprenticeship requirements. Reasonable exemptions and modifications to and from any or all of these requirements will be determined by the Wisconsin Department of Transportation-Civil Rights Office. A request for an exemption or modification, with justification, shall be made in writing, addressed to WisDOT Civil Rights Office, 4802 Sheboygan Avenue, P.O. Box 7965, Rm. 451, Madison, WI 53707.

ADDITIONAL SPECIAL PROVISION 3

DISADVANTAGED BUSINESS ENTERPRISE [DBE] PROGRAM IMPLEMENTATION

1. Description

- a. The federal DBE program requirements outlined in the Code of Federal Regulations at 49 CFR Part 26 apply to this Wisconsin Department of Transportation contract. WisDOT is a recipient of federal funds and this contract includes federal funds. United States Department of Transportation Federal DBE Program requires the following provisions:
 - (1) Pursuant to the federal DBE program regulation at 49 CFR Part 26, a contractor's failure to comply with any provision of the DBE regulations will be considered a material breach of contract. This is non-negotiable. If a contractor fails to carry out the DBE program and Title VI nondiscrimination requirements of its contracts, the following sanctions will be assessed depending upon the facts, reasoning, severity and remedial efforts of the contractor: termination of contract, withholding payment, assessment of monetary sanctions, assessment of liquidated damages and/or suspension/debarment proceedings that may result in the disqualification of the contractor from bidding for a designated period of time.
 - (2) The contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the contractor obtains the federal fund recipient's [DOT] written consent. Unless [WisDOT] consent is provided, the contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the listed DBE.
- b. The Wisconsin Department of Transportation [WisDOT] is committed to the compliant administration of the DBE Program. Each WisDOT Secretary affirms this commitment with his/her signed assurance.
<https://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/policy-statement.pdf>
 - (1) The department encourages the contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts. Under the contract, the contractor agrees to provide the assistance to participating DBE's in the following areas:
 - i. Produce accurate and complete quotes.
 - ii. Understand highway plans applicable to their work.
 - iii. Understand specifications and contract requirements applicable to their work.
 - iv. Understand contracting reporting requirements.
 - (2) Wisconsin DOT identifies the assigned DBE goal in its contract advertisements and posts the contract DBE goal on the cover of the bidding proposal. The contractor can meet the assigned, specified contract DBE goal by subcontracting work to a DBE or by procuring services or materials from a DBE. The department calculates the DBE participation as the dollar value of DBE participation included in the bid expressed as a percentage of the total contract bid amount.
 - (3) For more comprehensive information on the disadvantaged business program, visit the department's Civil Rights and Compliance Section website at:
<https://wisconsindot.gov/Pages/doing-bus/civil-rights/dbe/default.aspx>

2. Definitions

Interpret these terms, used throughout this additional special provision, as follows:

- a. **Bid Percentage:** The DBE percentage indicated in the bidding proposal at the time of bid.
- b. **DBE:** A small business certified as disadvantaged business enterprise (DBE) under the federal DBE program and included on the Wisconsin UCP DBE Directory deemed ready, willing and able.
- c. **DBE goal:** The amount of DBE participation expected in the contract as shown on the cover of the Highway Work Proposal.
- d. **Manufacturer:** A firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract.
- e. **Supplier:** A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment required under the contract are bought, kept in stock, and regularly sold or leased to the public.
- f. **Voluntary Achievement:** The amount of DBE participation achieved and reported in the contract in excess of the assigned goal.

3. DBE Percentage Required at Bid Submission

Indicate the bid percentage (i.e. 0% through 100%) of DBE participation on the completed bidding proposal. For electronic submittals, show the percentage in the miscellaneous data folder, Item 3, DBE Percent. For paper submittals, show the percentage on the sheet included after the schedule of items. By submission of the bid, the bidder contractually commits to DBE participation at or above the bid percentage, or certifies that they have utilized comprehensive good faith efforts to solicit and utilize DBE firms to meet the DBE participation requirements of this contract proposal, and that the bid percentage is reflective of these good faith efforts. The bid percentage should demonstrate the efforts of the prime contractor prior to bid. If the bidder does not indicate the bid percentage of DBE participation on the completed bidding proposal, the department will consider the bid irregular and may reject the bid.

4. WisDOT Interpretation of Federal DBE Program Provision

Prime contractors must utilize the specific DBEs listed to perform the work and/or supply the materials for which each is listed on the Commitment to Subcontract to DBE Form [DT1506] and approved by WisDOT's DBE office to execute its contract. The approved Commitment to Subcontract to DBE Form [DT1506] becomes a contract document/record.

a. Department's DBE Evaluation Process

WisDOT evaluates DBE using the Commitment to Subcontract to DBE, payments to subcontractors and contract documentation. The prime contractor shall list the specific DBE certified firms and items of work s/he intends to use toward the fulfillment of the assigned DBE contract goal. The prime contractor receives DBE credit for payments made to the DBE firms performing the work listed on the approved Form DT1506.

b. Documentation Submittal

The contractor is to identify, by name, the DBE firms whose utilization is intended to satisfy this provision, the items of work of the DBE subcontract or supply agreement and the dollar value of those items of work by completing the Commitment to Subcontract to DBE Form [DT1506]. Effective January 1, 2017, the contractor will be required to submit the documentation within 5 business days after bid opening. All necessary supporting documentation including Attachment 'A' forms and/or Good Faith Efforts Form

[DT1202] must be submitted no later than 2 business days from contractor's initial submission of the DT 1506. The contractor must provide a signed Attachment 'A' form to the DBE office within the time limit in order to receive authorization for contract execution; the DBE office reserves the right accept alternate documentation in lieu of the signed form in extenuating circumstances. Documentation must be submitted to the DBE Office by email at DBE_Alert@dot.wi.gov (DBE_Alert@dot.wi.gov) or by postal mail ATTN: DBE Office, PO Box 7965, Madison, WI 53707-7965.

(1) **Bidder Meets DBE Goal**

If the bidder indicates that the contract DBE goal is met, after award and before execution, the department will evaluate the Commitment to Subcontract to DBE Form DT1506 and attachment A(s) to verify the actual DBE percentage calculation. If the DBE commitment is verified, the contract is eligible for execution with respect to the DBE commitment.

(2) **Bidder Does Not Meet DBE Goal**

- i. If the bidder indicates a bid percentage on the Commitment to Subcontract to DBE Form [DT1506] that does not meet the contract DBE goal, the bidder must submit a Good Faith Efforts Form [DT1202] and supporting documentation. After award and before execution, the department will evaluate the bidder's DBE commitment and consider the bidder's good faith efforts submission.
- ii. The department will evaluate the bidder's good faith effort request and notify the bidder of one of the following:
 - (a) If the department grants a good faith efforts, the bid is eligible for contract execution with respect to DBE commitment.
 - (b) If the department rejects the good faith efforts request, the department may declare the bid ineligible for execution. The department will provide a written explanation of why the good faith efforts request was rejected. The bidder may appeal the department's rejection as allowed under 7 a. & b.

c. **Bidder Fails to Submit Documentation**

If the contractor fails to furnish the Commitment to Subcontract to DBE Form [DT1506] within the specified time, the department may cancel the award. Delay in fulfilling this requirement is not a cause for extension of the contract time and shall not be used as a tool to delay execution.

5. Department's Criteria for Good Faith Effort

Appendix A of 49 CFR Part 26, is the guiding regulation concerning good faith efforts. However, the federal regulations do not explicitly define "good faith" but states that bidder must actively and aggressively attempt to meet the goal. The federal regulations are general and do not include every factor or effort that can be considered. As a result, each state must establish its own processes and consider the factors established in its own practices to create a process for making a determination of adequate good faith. WisDOT evaluates good faith on a contract basis just as each contract award is evaluated individually.

The department will only approve a contractor's good faith efforts if the bidder has made the effort, given the relevant circumstances under the contract that a bidder actively and aggressively seeking to meet the goal would make. The department will evaluate the bidder's good faith effort to determine whether a good faith efforts will be granted. The bidder must demonstrate, on the DT1202 that they have aggressively solicited DBE participation in an attempt to meet the contract DBE goal and attaining the stated DBE goal is not feasible.

- a. The department, in conjunction with industry stakeholders, has developed the following guidance for contractor good faith effort. The guidance and the attached appendices provide a framework for the actions required by all parties in the processing and evaluation of bidder's total efforts to achieve the project specific DBE goal prior to the bid letting date.

b. Prime Contractors should:

- (1) Document all efforts and decisions made toward achieving the DBE goal on the contract. The bidder should use the Civil Rights & Compliance System [CRCS] and related WisDOT- approved DBE outreach tools, including the Bid Express Small Business Network, to foster DBE participation on all applicable contracts.
- (2) Prime contractors may request assistance with DBE outreach and follow-up by contacting the department's DBE Support Services Office by phone or email request at least 14 days prior to the bid letting date. Requesting assistance with outreach is not a decisive factor in the review Good faith effort evaluation. Phone numbers are 414-438-4584 and/or 414-659-0487; Fax: 414-438-5392; E-mail: DOTDBESupportServices@dot.wi.gov.
- (3) Request quotes by identifying potential items to subcontract and solicit. Prime contractors are strongly encouraged to include in their initial contacts a single page including a detailed list of items for which they are accepting quotes, by project, within a letting. *See attached sample entitled "Sample Contractor Solicitation Letter" in Appendix A.* Prime contractors should also indicate a willingness to accept quotes in areas they are planning to perform themselves, as required by federal rules. In some cases, it might be appropriate to use DBE's to do work in a prime contractor's area of specialization.
 - i. Solicit quotes from certified DBE firms who match 'possible items to subcontract' using all reasonable and available means. Additionally, forward copies of solicitations highlighting the work areas for which you are seeking quotes to DOTDBESupportServices@dot.wi.gov.
 - ii. SBN is the preferred outreach tool. <https://www.bidx.com/wi/main>. Other acceptable means include postal mail, email, fax, phone call.
 - (a) Primes must ask DBE firms for a response in their solicitations. See *Sample Contractors Solicitation Letter* in Appendix. This letter can be included as an attachment to the SBN sub-quote request.
 - (b) Solicit quotes at least 10 calendar days prior to the letting date, at least two Fridays before the letting, to allow DBE firms sufficient time to respond. Prime contractors should contact DBE firms early, asking if they need help organizing their quote, assistance confirming equipment needs, or other assistance supporting their submission of a competitive quote for their services.
 - (c) Second solicitation should take place within 5 calendar days. Email and SBN are the preferred delivery of the follow-up solicitation.
 - iii. Upon request, provide interested DBE firms with adequate information about plans, specifications and the requirements of the contract by letter, information session, email, phone call and/or referral.
 - iv. When potential exists, the contractor should advise interested DBE firms on how to obtain bonding, line of credit or insurance if requested.
 - v. Document DBE firm's interest in quoting by taking appropriate steps to follow up initial solicitation with:
 - (a) Email to all prospective DBE firms in relevant work areas.
 - (b) Phone call log to DBE firms who express interest via written response or call.
 - (c) Fax/letter confirmation
 - (d) Signed copy of Bid Express SBN Record of Subcontractor Outreach Effort.

c. Evaluate DBE quotes Documentation is critical if a prime does not utilize the DBE firm's quote for any reason.

- (1) Evaluate DBE firm's capability to perform 'possible items to subcontract' using legitimate reasons, including but not limited to, **a discussion with the DBE firm** regarding its capabilities prior to the bid letting. If lack of capacity is your reason for not utilizing the DBE quote, you are required to contact the DBE by phone and email regarding their ability to perform the work indicated in the UCP directory listed as their work area by NAICS code. Only the work area and/or NAICS code listed in the UCP directory can be counted toward DBE credit. Documentation of the conversation is required.
- (2) In striving to meet an assigned DBE contract goal, prime contractors are expected to use DBE quotes that are responsive and reasonable. This includes DBE quotes that are not the low quote.

- (3) **Special Circumstance** - Evaluation of DBE quotes with tied bid items. "Tied quotes are the condition in which a subcontractor submits quotes including multiple areas of expertise across multiple work areas noting that the items and price are tied. Typically this type of quoting represents a cost saving to the prime but is not clearly stated as a discount; tied quotes are usually presented as 'all or none' quote to the prime." When non-DBE subcontractors submit tied bid items in their quotes to the prime, the DBE firms' quote may seem not competitive. In such a case, the following steps are taken in comparing the relevant quotes. These are qualitative examples.
- i. Compare bid items common to both quotes, noting the reasonableness in the price comparison.
 - ii. Review quotes from other firms for the bid items not quoted by the DBE firm to see if combining both can provide the same competitive advantage that the tied bid items offered.
- d. Immediately after notification of contract award, the prime submits all '**Commitment to Subcontract**' forms to the DBE Office. Prime contractor has 5 days to submit the completed form for the DBE firms it intends to use on the contract for DBE credit. If the goal is not met in full, the prime contractor must provide the following information along with WisDOT form DT1202: Certificate of Good Faith Efforts.
- (1) The names, addresses, e-mail addresses, telephone numbers of DBE's contacted. The dates of both initial and follow-up contact.
 - (2) A description of information provided to the DBE's regarding the plans, specifications, and estimated quantities for portions of the work to be performed by that DBE.
 - (3) Photocopies or electronic copies of all written solicitations to DBE's. A printed copy of SBN solicitation is acceptable.
 - (4) Documentation of each quote received from a DBE and, if rejected, the reason for that rejection.
 - (5) Bidder attendance at any pre-solicitation or pre-bid meetings the department held to inform DBE's of participation opportunities available on the project.

The prime contractor must obtain written consent from the DBE Office to change or replace any DBE firm listed on the approved Commitment to Subcontract to DBE Form [DT1506]. If the prime contractor utilizes another contractor, including the use of its own workforce, to perform the work assigned to a DBE on the approved DT1506, the prime contractor will not be entitled to payment for that work. Any changes to DBE after the approval of the DT1506 must be reviewed and approved by the DBE office prior to the change.

6. Use of Joint Checks

The use of joint checks is allowable if it is a commonly recognized business practice in the material industry. A joint check is defined as a two-party check between a DBE, a prime contractor and the regular dealer of materials supplier who is neither the prime nor an affiliate of the prime. Typically, the prime contractor issues one check as payor to the DBE subcontractor and to the supplier jointly (to guarantee payment to the supplier) as payment for the material/supplies used by the DBE in cases where the prime has submitted the DBE and material for DBE credit. The DBE subcontractor gains the opportunity to establish a direct contracting relationship with the supplier to potentially facilitate a business rapport that results in a line of credit or increased partnering opportunities.

The cost of material and supplies purchased by the DBE is part of the value of work performed by the DBE to be counted toward the goal. To receive credit, the DBE must be responsible for negotiating price, determining quality and quantity, ordering the materials, and installing (where applicable) and "paying for the material itself." See 49 CFR 26.55(c)(1).

The approval to use joint checks constitutes a commitment to provide further information to WisDOT, upon request by staff. WisDOT will allow the use of joint checks when the following conditions are met:

- a. The Prime must request permission to use joint checks from the DBE Office by submitting the Application to Use Joint Checks.
 - (1) Request should be made when the DBE Commitment form or Request to Sublet is submitted; the request will not be considered if submitted after the DBE Subcontractor starts its work.
 - (2) Approval/Permission must be granted prior to the issuance of any joint checks.
 - (3) The payment schedule for the supplier must be presented to the DBE office before the first check is issued.
 - (4) The joint check for supplies must be strictly for the cost of supplies.
- b. DBE subcontractor is responsible to furnish and/or install the material/work item. The DBE subcontractor shall not be an 'extra participant' in the transaction; the DBE's role in the transaction cannot be limited solely to signing the check(s) to release payment to the material supplier. At a minimum, the DBE subcontractor's tasks should include the following.
 - (1) The DBE subcontractor (not the prime/payor) negotiates the quantities, price and delivery of materials;
 - (2) The DBE subcontractor consents to sign/release the check to the supplier by signing the Application to Use Joint Checks after establishing the conditions and documentation of payment within the subcontract terms or in a separate written document.
- c. The Prime contractor/payor acts solely as a guarantor,
 - (1) The prime agrees to furnish the check used for the payment of materials/supplies under the contract.
 - (2) The prime contractor/payor cannot require the subcontractor to use a specific supplier or the prime contractors negotiated unit price.

7. Bidder's Appeal Process

- a. A bidder can appeal the department's decision to deny the bidder's good faith effort submission. The bidder must provide written documentation refuting the specific reasons for rejection as stated in the department's rejection notice. The bidder may meet in person with the department if so requested. Failure to appeal within 7 calendar days after receiving the department's written denial notice of a good faith effort evaluation constitutes a forfeiture of the bidder's right of appeal. A contract cannot be executed without documentation that the DBE provisions have been fulfilled.
- b. The department will appoint a representative, who did not participate in the original determination, to assess the bidder's appeal. The department will issue a written decision within 5 calendar days after the bidder presents all written and oral testimony. In that written decision, the department will explain the basis for finding that the bidder did or did not meet the contract DBE goal or make an adequate good faith effort to meet the contract DBE goal. The department's decision is final. If the department finds that the bidder did not meet the contract DBE goal or did not make adequate efforts to meet the DBE goal, the department may declare the bid ineligible for execution.

8. Department's Criteria for DBE Participation

Directory of DBE firms

- a. The only resource for DBE certified firms certified in the state of Wisconsin is the Wisconsin Unified Certification Program [UCP] DBE List. Wisconsin Department of Transportation maintains a current list of certified DBE firms titled Wisconsin UCP DBE Directory on the website at:
<https://wisconsin.gov/Documents/doing-bus/civil-rights/dbe/dbe-ucp-directory.xlsx>
- b. The DBE office is also available to assist at 414-438-4583 or 608-267-3849.

9. Counting DBE Participation

Assessing DBE Work

- a. The department will only count the DBE usage towards the contract DBE goal if the DBE firm is certified as a DBE by one of the unified certification program agencies. If a firm becomes DBE certified before entering into a subcontract, the department may consider that DBE usage towards the contract goal. The department only counts the value of the work a DBE actually performs towards the DBE goal. The department assesses the DBE work as follows:
 - b. The department counts work performed by the DBE's own resources. The department includes the cost of materials and supplies the DBE obtains for the work. The department also includes the cost of equipment the DBE leases for the work. The department will not include the cost of materials, supplies, or equipment the DBE purchases or leases from the prime contractor or its affiliate, except the department will count non-project specific leases the DBE has in place before the work is advertised.
 - c. The department counts fees and commissions the DBE charges for providing a bona fide professional, technical, consultant, or managerial services. The department also counts fees and commissions the DBE charges for providing bonds or insurance. The department will only count costs the engineer deems reasonable based on experience or prevailing market rates.
 - d. If a DBE subcontracts work, the department counts the value of the subcontracted work only if the DBE's subcontractor is also a DBE.
 - e. The contractor shall maintain records and may be required to furnish periodic reports documenting its performance under this item.
 - f. It is the prime contractor's responsibility to determine whether the work that is committed and/or contracted to a DBE certified firm can be counted for DBE credit by referencing the work type and NAICS code listed for the DBE firm on the Wisconsin UCP DBE Directory.
 - g. It is the prime contractor's responsibility to assess the DBE firm's ability to perform the work for which s/he is committing/contracting the DBE to do. Note that the department encourages the prime contractor to assist and develop DBE firms to become fully knowledgeable contractors to successfully perform on its contracts.

10. Commercially Useful Function

- a. Commercially useful function is evaluated after the contract has been executed, while the DBE certified firm is performing its work items. A DBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved.
- b. The department uses Form DT1011: DBE Commercially Useful Function Review and Certification to evaluate whether the DBE is performing a commercially useful function. WisDOT counts expenditures of a DBE toward the DBE goal only if the DBE is performing a commercially useful function on that contract.
- c. A DBE is performing a commercially useful function if the following conditions are met:
 - (1) For contract work, the DBE is responsible for executing a distinct portion of the contract work and it is carrying out its responsibilities by actually performing, managing, and supervising that work.
 - (2) For materials and supplies, the DBE is responsible for negotiating price, determining quality and quantity, ordering, and paying for those materials and supplies.

11. Credit Evaluation for Trucking

All bidders are expected to adhere to the department's current trucking policy posted on the HCCI website at <https://wisconsindot.gov/Documents/doing-bus/civil-rights/dbe/trucking-utilization-policy.pdf>

12. Credit Evaluation for Manufacturers, Suppliers, Brokers

The department will calculate the amount of DBE credit awarded to a prime using a DBE firm for the provisions of materials and supplies on a contract-by-contract basis. The department will count the material and supplies that a DBE provides under the contract for DBE credit based on whether the DBE is a manufacturer, supplier or broker. Generally, DBE crediting measures and evaluates the DBE owner's role, responsibility and contribution to the transaction: maximum DBE credit when the DBE manufactures materials or supplies; DBE credit decreases when the DBE solely supplies material and minimal credit is allotted when the DBE's role is administrative or transactional.

It is the bidder's responsibility to find out if the DBE is considered a supplier or a manufacturer before listing them on Commitment to Subcontract to DBE form DT1506.

a. Manufacturers

- (1) A manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications.
- (2) If the materials or supplies are obtained from a DBE manufacturer, count **100%** percent of the cost of the materials or supplies toward DBE goals.

b. Regular Dealers of Material and/or Supplies

- (1) A regular dealer is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business.
- (2) If the materials or supplies are purchased from a DBE regular dealer, count **60%** percent of the cost of the materials or supplies toward DBE goals.
- (3) At a minimum, a regular dealer must meet the following criteria to be counted for DBE credit:
 - i. The DBE firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question.
 - ii. The DBE firm must both own and operate distribution equipment for the product--bulk items such as petroleum products, steel, cement, gravel, stone, or asphalt. If some of the distribution equipment is leased, the lease agreement must accompany the DBE Commitment form for evaluation of the dealer's control before the DBE office approves the DBE credit.

c. Brokers, Transaction Expeditors, Packagers, Manufacturers Representatives

- (1) No portion of the cost of the materials, supplies, services themselves will count for DBE credit; however, WisDOT will evaluate the fees or commissions charged when a prime purchases materials, supplies or services from a DBE certified firm which is neither a manufacturer nor a regular dealer, namely: brokers, packagers, manufacturers' representatives or other persons who arrange or expedite transactions.
- (2) Brokerage fees have historically been calculated as **10%** of the purchase amount.
- (3) WisDOT may count the amount of fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site.
- (4) The evaluation will review the contract need for the item/service, review the sub-contract or invoice for the item/service, compare the fees customarily allowed for similar services to determine whether they are reasonable.

When DBE suppliers are contracted, additional documentation must accompany the DT1506 and Attachment 'A' forms. An invoice or bill-of-sale that includes the company names of the bidder and the DBE supplier and documentation of the calculations used as the basis for the purchase agreement, subcontract or invoice. *WisDOT recognizes that the amount on the Attachment 'A' form may be more or less than the amount on the invoice.* Please respond to the following questions and submit with your DBE Commitment Form.

1. What is the product or material?
2. Is this item in the prime's inventory or was the item purchased when contract was awarded?
3. Which contract line items were referenced to develop this quote?
4. What is the amount of material or product used on the project?

13. Credit Evaluation for DBE Primes

Wisconsin DOT calculates DBE credit based on the amount and type of work performed by DBE certified firms. If the prime contractor is a DBE certified firm, the department will only count the work that DBE prime contractor performs with its own forces for DBE credit. We will also calculate DBE credit for the work performed by any other DBE certified subcontractor, DBE certified supplier, DBE certified manufacturer on that contract in that DBE's approved work areas/NAICS code. Crediting for manufacturers and suppliers is calculated consistent with paragraph 12 of this document and 49 CFR Part 26.

14. Joint Venture

If a DBE performs as a participant in a joint venture, the department will only count that portion of the total dollar value of the contract equal to that portion of the work that the DBE performs with its own forces for DBE credit.

15. Mentor Protégé

- a. If a DBE performs as a participant in a mentor protégé agreement, the department will count for credit the portion of the work performed by the DBE protégé firm.
- b. DBE credit will be evaluated and confirmed by the DBE Office for any contracts on which the mentor protégé team identifies itself to the DBE Office as a current participant of the Mentor Protégé Program.
- c. Refer to WisDOT's Mentor Protégé guidelines for guidance on the number of contracts and amount of DBE credit that can be counted on any WisDOT project.

16. DBE Replacement or Termination

Contractual Requirement

The contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the contractor obtains written consent from the Department's DBE Office. If the Department does not provide consent to replace or terminate a DBE firm, the prime contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the listed DBE.

Contractor Considerations

- a. A prime contractor cannot terminate and/or replace a DBE subcontractor listed on the approved Commitment to Subcontract to DBE Form [DT1506] without prior written consent from the DBE Office. This includes, but is not limited to, instances in which a prime contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm.

- b. If a prime contractor feels it is necessary to replace or terminate a DBE firm that has been approved for DBE credit toward its contract, s/he will be required to provide reasons and documentation to support why the prime cannot fulfill the contractual commitment that it made to the Department regarding the DBE utilization.
- c. Prime contractor is required to make affirmative efforts to find another DBE subcontractor to perform at least the same amount of work under the contract as the DBE that was terminated, to the extent needed to meet the assigned DBE contract goal.
- d. In circumstances when a DBE subcontractor fails to complete its work on the contract for any reason or is terminated from a contract, the prime contractor is expected to make affirmative efforts to maintain its commitment to the assigned DBE goal.
- e. The DBE firm should communicate with the prime contractor regarding its schedule and capacity in the context of the contract. If the DBE anticipates that it cannot fulfill its subcontract, s/he shall advise the prime contractor and suggest a DBE that may replace their services or provide written consent to be released from its subcontract.
 - (1) Before the prime contractor can request to terminate or substitute a DBE firm; s/he must:
 - i. Make every effort to fulfill the DBE commitment by working with the listed DBE to ensure that they are fully knowledgeable of your expectations for successful performance on the contract. Document these efforts in writing.
 - ii. If those efforts fail, provide written notice to the DBE subcontractor of your *intent* to request to terminate and/or replace the firm including the reason(s) you want to pursue this action.
 - iii. Copy the DBE Office on all correspondence related to changing a DBE firm who has been approved for DBE credit on a contract including the preparation and coordination efforts with the DBE on the contract.
 - iv. Clearly state the amount of time the DBE firm has to remedy and/or respond to your notice of intent to replace/terminate their firm from the contract. The DBE shall be allowed five days to respond, in writing. **EXCEPTION:** The prime contractor must provide a verifiable reason for a response period shorter than five days. For example a WisDOT project manager must verify that waiting 5 days for a DBE performing traffic control work to respond would affect the public safety.
 - v. The DBE subcontractor must forward a written response to the prime contractor and copy the DBE Office. The written response must outline why it objects to the proposed termination of its subcontract and list the reasons that WisDOT should not approve the request for their firm to be replaced or removed from the contract.

The Request to Replace or Terminate a DBE

The prime contractor must provide a written request to replace or terminate a DBE firm that has been approved for DBE credit on a WisDOT contract. The written request can be an email or printed document delivered by email or fax; at minimum, the request must contain the following:

1. Contract ID number.
2. Wisconsin DOT Contract Project Manager name and contact information.
3. DBE name and work type and/or NAICS code.
4. Contract's progress schedule.
5. Reason(s) for requesting that the DBE be replaced or terminated.
6. Attach/include all communication with the DBE to deploy/address/resolve work completion,

WisDOT will review your request and any supporting documentation that you submit to evaluate whether the circumstance and the reasons constitute a good cause for replacing or terminating the DBE that was approved for DBE credit on that contract.

Examples of Good Causes to Replace a DBE according to the federal DBE program guidelines {49 CFR part 26.53}

- The listed DBE subcontractor fails or refuses to execute a written contract.
- The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor.
- The listed DBE subcontractor fails or refuses to meet the prime contractor's reasonable, nondiscriminatory bond requirements.
- The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness.
- The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1,200 or applicable state law.
- You have determined that the listed DBE subcontractor is not a responsible contractor.
- The listed DBE subcontractor voluntarily withdraws from the project and provides to you written notice of its withdrawal.
- The listed DBE is ineligible to receive DBE credit for the type of work required.
- A DBE owner dies or becomes disabled with the result that the listed DBE contractor is unable to complete its work on the contract.

Evaluation and Response to the Request

If WisDOT determines that your reasons comply with the good cause standards; the DBE office will send the prime contractor and the WisDOT project manager an email stating that we concur with the reasons and approve the replacement or termination.

If WisDOT determines that your reasons do not comply with the good cause standards of the federal DBE program, the DBE Office will send the prime contractor an email that includes *the requirement* to utilize the committed DBE, *remedial actions* to support the completion of the contractual commitment, a list of available WisDOT support services *and administrative remedies that may be invoked* for failure to comply with federal DBE guidelines for DBE replacement.

The Wisconsin Department of transportation contact for all actions related to replacing a DBE is the DBE Program Chief and/or the DBE Program Engineer which can be reached at DBE_Alert@dot.wi.gov or by calling 608-267-3849.

17. DBE Utilization beyond the approved DBE Commitment Form DT1506

If the Prime/subcontractor increases the scope of work for a participating DBE or adds a DBE subcontractor that was not on the approved Form DT1506 at any time after contract award, s/he should follow these steps so that the participation can be accurately credited toward the DBE goal.

- a. Send an email to the DBE Engineer at DBE_Alert@dot.wi.gov describing the work to be performed by the new DBE including the proposed schedule or duration, DBE name and contact information. You may also call the DBE Engineer at 414-659-0487 to notify him of the change verbally.
If the scope change added work for a participating DBE; list the date and reason for the scope change.
- b. Forward a complete, signed Attachment 'A' form to the DBE Office at DBE_Alert@dot.wi.gov. A complete Attachment A includes DBE contact information, signature, subcontract value and proper description of the work areas to be performed by the DBE.
The DBE office will confirm the DBE participation and revise the DT1506 based on the email/discussion and attach the new/revised Attachment A to the Contract record/documentation.

18. Contract Modifications

When additional opportunity is available by contract modifications, the Prime Contractor shall utilize DBE Subcontractors that were committed to equal work items, in the original contract.

19. Payment

Costs for conforming to this Additional Special Provision (ASP) and any associated DBE requirements are incidental to the contract.

APPENDIX A
Sample Contractor Solicitation Letter Page 1
This sample is provided as a guide not a requirement

GFW SAMPLE MEMORANDUM

TO: DBE FIRMS
FROM: POTENTIAL PRIME CONTRACTOR OR MAJOR SUBCONTRACTOR
SUBJECT: **REQUEST FOR DBE QUOTES**
LET DATE & TIME
DATE: MONTH DAY YEAR
CC: DBE OFFICE ENGINEER

Our company is considering bidding on the projects indicated on the next page, as a prime and/or a subcontractor for the Wisconsin Department of Transportation Month- date -year Letting. Page 2 lists the projects and work items that we may subcontract for this letting. We are interested in obtaining subcontractor quotes for these projects and work categories. Also note that we are willing to accept quotes in areas we may be planning to perform ourselves as required by federal rules.

Please review page 2, respond whether you plan to quote, highlight the projects and work items you are interested in performing and return it via fax or email within 3 days. Plans, specifications and addenda are available through WisDOT at the DBE Support Services office or at the Highway Construction Contract Information (HCCI) site at

<https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/default.aspx>

Your quote should include all of the costs required to complete the items you propose to perform including labor, equipment, material, and related bonding or insurance. The quote should note items that you are DBE certified to perform, tied items, and any special terms. Page 2, with the indicated projects and items you plan to quote, should be used as a cover sheet for your quote.

Please make every effort to have your quotes into our office by time deadline the prior to the letting date. ***Make sure the correct letting date, project ID and proposal number, unit price and extension are included in your quote.*** We prefer quotes be sent via SBN but prime's alternatives are acceptable. Our office hours are include hours and days. Please call our office as soon as possible prior to the letting if you need information/clarification to prepare your quote at contact number.

If you wish to discuss or evaluate your quote in more detail, contact us after the contract is awarded. Status of the contract can be checked at WisDOT's HCCI site at <https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/default.aspx>

All questions should be directed to:

Project Manager, John Doe,

Phone: (000) 123-4567

Email: Joe@joetheplumber.com

Fax: (000) 123- 4657

Sample Contractor Solicitation Letter Page 2

This sample is provided as a guide not a requirement

REQUEST FOR QUOTATION

Prime's Name: _____

Letting Date: _____

Project ID: _____

Please check all that apply

- .. Yes, we will be quoting on the projects and items listed below
- .. No, we are not interested in quoting on the letting or its items referenced below
- .. Please take our name off your monthly DBE contact list
- .. We have questions about quoting this letting. Please have someone contact me at this number

<p>Prime Contractor 's Contact Person</p> <div style="border: 1px solid black; width: 100%; height: 15px; margin-bottom: 5px;"></div> <p>Phone: _____</p> <p>Fax: _____</p> <p>Email: _____</p> <p>_____</p>	<p>DBE Contractor Contact Person</p> <div style="border: 1px solid black; width: 100%; height: 15px; margin-bottom: 5px;"></div> <p>Phone: _____</p> <p>Fax: _____</p> <p>Email: _____</p> <p>_____</p>
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Please circle the jobs and items you will be quoting below

Proposal No.	1	2	3	4	5	6	7
County							

WORK DESCRIPTION:

Clear and Grub	X		X	X		X	X
Dump Truck Hauling	X		X	X		X	X
Curb & Gutter/Sidewalk, Etc.	X		X	X		X	X
Erosion Control Items	X		X	X		X	X
Signs and Posts/Markers	X		X	X		X	X
Traffic Control		X	X	X		X	X
Electrical Work/Traffic Signals		X	X	X		X	
Pavement Marking		X	X	X	X	X	X
Sawing Pavement		X	X	X	X	X	X
QMP, Base	X	X		X	X	X	X
Pipe Underdrain	X			X			
Beam Guard				X	X	X	X
Concrete Staining							X
Trees/Shrubs	X						X

Again please make every effort to have your quotes into our office by time deadline prior to the letting date.

We prefer quotes be sent via SBN but prime's preferred alternatives are acceptable.

If there are further questions please direct them to the prime contractor's contact person at phone number.

APPENDIX B
BEST PRACTICES FOR PRIME CONTRACTOR & DBE SUBCONTRACTOR GOOD FAITH EFFORT

This list is not a set of requirements; it is a list of potential strategies

Primes

- Ø Prime contractor open houses inviting DBE firms to see the bid “war room” or providing technical assistance.
- Ø Participate in speed networking and mosaic exercises as arranged by DBE office.
- Ø Host information sessions not directly associated with a bid letting.
- Ø Participate in a formal mentor protégé or joint venture with a DBE firm.
- Ø Participate in WisDOT advisory committees i.e. TRANSAC, or Mega Project committee meetings.
- Ø Facilitate a small group DBE ‘training session’ Clarifying how your firm prepares for bid letting, evaluates subcontractors, preferred qualifications and communication methods.
- Ø Encourage subcontractors to solicit and highlight DBE participation in their quotes to you.
- Ø Quality of communication, not quantity creates the best results. Contractors should do as thorough a job as possible in communicating with DBE firms before the bid and provide any assistance requested to assure best possible bid.

DBE

- Ø DBE firms should contact primes as soon as possible with questions regarding their quotes or bid; seven days prior is optimal.
- Ø Continually check for contract addendums on the HCCI website through the Thursday prior to letting to stay abreast of changes.
- Ø Review the status of contracts on the HCCI website reviewing the ‘apparent low bidder’ list, and bid tabs at a minimum.
- Ø Prepare a portfolio or list of related projects and prime and supplier references; be sure to note transportation-related projects of similar size and scope, firm expertise and staffing.
- Ø Participate in DBE office assessment programs.
- Ø Participate on advisory and mega-project committees.
- Ø Sign up to receive the DBE Contracting Update.
- Ø Consider membership in relevant industry or contractor organizations.
- Ø Active participation is a must. Quote as many projects as you can reasonably work on; quoting the primes and bidding as a prime with the department are the only ways to get work.

APPENDIX C

Types of Efforts considered in determining GFE

This list represents concepts being assessed; analysis requires additional steps

1. Whether the contractor attended any pre-solicitation or pre-bid meetings that were scheduled by WisDOT to inform DBEs of contracting and subcontracting opportunities.
2. Whether the contractor provided written notice to a reasonable number of specific DBEs that their interest in the contract was being solicited, in sufficient time to allow the DBEs to participate effectively.
3. Whether the contractor followed up initial solicitations of interest by contacting DBEs to determine if the DBEs were interested; returned the phone calls of interested DBE firms.
4. Whether the contractor selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the DBE goal.
5. Whether the contractor provided interested DBEs with adequate information about the plans, specifications and requirements of the contract.
6. Whether the contractor negotiated in good faith with interested DBEs, not rejected DBEs as unqualified without sound reasons based on a thorough investigation of their capabilities.
7. Whether the contractor made efforts to assist interested DBEs in being more competitive.
8. Whether the contractor effectively used the services of available minority community organizations: minority contractors groups, local, state, and Federal minority business assistance offices, and other organizations that provide assistance to small businesses and DBE firms.
9. Whether Prime used CRCS to identify DBE who specialize in relevant work areas.
10. Whether the contractor used available resources including contacting the DBE office, using WisDOT's website
11. Whether the contractor returned calls of firms expressing interest in a timely manner.

APPENDIX D
Good Faith Effort Evaluation Guidance
Excerpt from Appendix A of 49 CFR Part 26

APPENDIX A TO PART 26 -- GUIDANCE CONCERNING GOOD FAITH EFFORTS

- I. When, as a recipient, you establish a contract goal on a DOT assisted contract, a bidder must, in order to be responsible and/or responsive, make good faith efforts to meet the goal. The bidder can meet this requirement in either of two ways. First, the bidder can meet the goal, documenting commitments for participation by DBE firms sufficient for this purpose. Second, even if it doesn't meet the goal, the bidder can document adequate good faith efforts. This means that the bidder must show that it took all necessary and reasonable steps to achieve a DBE goal or other requirement of this part which, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not fully successful.
- II. In any situation in which you have established a contract goal, part 26 requires you to use the good faith efforts mechanism of this part. As a recipient, it is up to you to make a fair and reasonable judgment whether a bidder that did not meet the goal made adequate good faith efforts. It is important for you to consider the quality, quantity, and intensity of the different kinds of efforts that the bidder has made. The efforts employed by the bidder should be those that one could reasonably expect a bidder to take if the bidder were actively and aggressively trying to obtain DBE participation sufficient to meet the DBE contract goal. Mere pro forma efforts are not good faith efforts to meet the DBE contract requirements. We emphasize, however, that your determination concerning the sufficiency of the firm's good faith efforts is a judgment call: meeting quantitative formulas is not required.
- III. The Department also strongly cautions you against requiring that a bidder meet a contract goal (i.e., obtain a specified amount of DBE participation) in order to be awarded a contract, even though the bidder makes an adequate good faith efforts showing. This rule specifically prohibits you from ignoring bona fide good faith efforts.
- IV. The following is a list of types of actions which you should consider as part of the bidder's good faith efforts to obtain DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.
 - A. Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBEs who have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBEs to respond to the solicitation. The bidder must determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.
 - B. Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces.
 - C. Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
 - D.
 - (1) Negotiating in good faith with interested DBEs. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBEs to perform the work.
 - (2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a

contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Prime contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.

- E. Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non solicitation of bids in the contractor's efforts to meet the project goal.
 - F. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or contractor.
 - G. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.
 - H. Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.
- V. In determining whether a bidder has made good faith efforts, you may take into account the performance of other bidders in meeting the contract. For example, when the apparent successful bidder fails to meet the contract goal, but others meet it, you may reasonably raise the question of whether, with additional reasonable efforts, the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made good faith efforts.

Appendix E

Small Business Network [SBN] Overview

The Small Business Network is a part of the Bid Express® service that was created to ensure that prime bidders have a centralized online location to find subs - including small and disadvantaged business enterprises (DBEs). It is available for prime bidders to use as part of their Basic Service subscription.

Within the Small Business Network, **Prime Contractors** can:

1. Easily select proposals, work types and items:
 - a. After adding applicable work types, select items that you wish to quote. Enter the sub-quote quantities and add comments, if desired. Adding or removing items and work types can be done quickly. If needed, you can save the sub-quote for completion at a later time.
2. Create sub-quotes for the subcontracting community:
 - a. Create sub-quotes with ease using the intuitive sub-quote creator. In seven short steps, you can rapidly create a custom sub-quote directed to all subcontractors that bid on the applicable work types. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
 - b. Create a sub-quote to send to subcontractors or suppliers that lists the items in a proposal that you want quoted
 - c. Create an unlimited number of sub-quotes for items you want quoted, and optionally mark them as a DBE-preferred request.
 - d. Add attachments to sub-quotes.
3. View sub-quote requests & responses:
 - a. After logging into the Bid Express service, you can quickly review all of your sub-quote requests and all unsolicited sub-quote requests from subcontractors. To simplify the Small Business Network home screen, sub-quote requests can be hidden with one click if they are not applicable.
 - b. View or receive unsolicited sub-quotes that subcontractors have posted, complete with terms, conditions and pricing.
4. View Record of Subcontractor Outreach Effort:
 - a. For each sub-quote produced, a *Record of Subcontractor Outreach Effort* is generated that shows the response statistics for a particular sub-quote. If accepted by the letting agency, this report may serve as proof of a “Good Faith” effort in reaching out to the DBE community.
 - b. Easily locate pre-qualified and certified small and disadvantaged businesses.
 - c. Advertise to small and disadvantaged businesses more efficiently and cost effectively.
 - d. Document your interactions with subs/DBEs by producing an Outreach Report (may be accepted as proof of DBE outreach at the discretion of each agency).

The Small Business Network is a part of the Bid Express® service that was created to ensure that small businesses have a centralized area to access information about upcoming projects. It can help small businesses learn more about opportunities, compete more effectively, network with other contractors and subcontractors, and win more jobs.

1. View and reply to sub-quote requests from primes:
 - a. After logging into the Bid Express service, you can quickly review all incoming sub-quote requests and all unsolicited sub-quotes created by your company. Receive notifications by selected work type. To simplify on the Small Business Network home screen, sub-quote requests can be filtered by work types relevant to your interests, or hidden with one click if they are not applicable.
2. Select items when responding to sub-quote requests from primes:
 - a. You have the freedom to choose and price any number of items when responding to a sub-quote request. Quantities can be modified, and per-item comments are also available.
 - b. View requests for sub-quotes for work that primes have posted for projects they are bidding, add your pricing, terms, and conditions, and submit completed sub-quotes to the requesting primes.
 - c. Add attachments to a sub-quote.
3. Create and send unsolicited sub-quotes to specific contractors:
 - a. Create unsolicited sub-quotes with ease using the intuitive sub-quote creator. In eight short steps, you can rapidly create a custom sub-quote directed at any number of specific vendors of your choosing. Steps include: provide contact information and sub-quote expiration date, select letting and proposal, add work types and items, specify terms and conditions, upload attachments, and select vendors.
4. Easily select and price items for unsolicited sub-quotes:
 - a. After adding applicable work types, select items that you wish to quote. The extended price calculates automatically, cutting out costly calculation errors. Comments can be provided on a per-item basis as well.
 - b. Create an unsolicited sub-quote that lists the items from a proposal that you want to quote, include pricing, terms and conditions, and send it to selected prime/plan holder.
 - c. Add attachments to a sub-quote.
 - d. Add unsolicited work items to sub-quotes that you are responding to.
5. Easy Access to Valuable Information
 - a. Receive a confirmation that your sub-quote was opened by a prime.
 - b. View Bid Tab Analysis data from past bids, including the high, average and low prices of items.
 - c. View important notices and publications from DOT targeted to small and disadvantaged businesses.
6. Accessing Small Business Network for WisDOT contracting opportunities
 - a. If you are a contractor not yet subscribing to the Bid Express service, go to www.bidx.com and select "Order Bid Express." The Small Business Network is a part of the Bid Express Basic Service.
 - b. DBE firms can request a Bid Express Small Business Network Account at no cost by calling 414-438-4588.

ADDITIONAL SPECIAL PROVISION 4

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

Release of Routine Retainage

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

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

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

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

ADDITIONAL SPECIAL PROVISIONS 5**Fuel Cost Adjustment****A Description**

Fuel Cost Adjustments will be applied to partial and final payments for work items categorized in Section B as a payment to the contractor or a credit to the department. ASP-5 shall not apply to any force account work.

B Categories of Work Items

The following items and Fuel Usage Factors shall be used to determine Fuel Cost Adjustments:

(1) Earthwork.		Unit	Gal. Fuel Per Unit
205.0100	Excavation Common	CY	0.23
205.0200	Excavation Rock	CY	0.39
205.0400	Excavation Marsh	CY	0.29
208.0100	Borrow	CY	0.23
208.1100	Select Borrow	CY	0.23
209.1100	Backfill Granular Grade 1	CY	0.23
209.1500	Backfill Granular Grade 1	Ton	0.115
209.2100	Backfill Granular Grade 2	CY	0.23
209.2500	Backfill Granular Grade 2	Ton	0.115
350.0102	Subbase	CY	0.28
350.0104	Subbase	Ton	0.14
350.0115	Subbase 6-Inch	SY	0.05
350.0120	Subbase 7-Inch	SY	0.05
350.0125	Subbase 8-Inch	SY	0.06
350.0130	Subbase 9-Inch	SY	0.07
350.0135	Subbase 10-Inch	SY	0.08
350.0140	Subbase 11-Inch	SY	0.09
350.0145	Subbase 12-Inch	SY	0.09

C Fuel Index

A Current Fuel Index (CFI) in dollars per gallon will be established by the Department of Transportation for each month. The CFI will be the price of No. 2 fuel oil, as reported in U.S. Oil Week, using the first issue dated that month. The CFI will be the average of prices quoted for Green Bay, Madison, Milwaukee and Minneapolis.

The base Fuel Index (BFI) for this contract is \$2.15 per gallon.

D Computing the Fuel Cost Adjustment

The engineer will compute the ratio CFI/BFI each month. If the ratio falls between 0.85 and 1.15, inclusive, no fuel adjustment will be made for that month. If the ratio is less than 0.85 a credit to the department will be computed. If the ratio is greater than 1.15 additional payment to the contractor will be computed. Credit or additional payment will be computed as follows:

- (1) The engineer will estimate the quantity of work done in that month under each of the contract items categorized in Section B.
- (2) The engineer will compute the gallons of fuel used in that month for each of the contract items categorized in Section B by applying the unit fuel usage factors shown in Section B.
- (3) The engineer will summarize the total gallons (Q) of fuel used in that month for the items categorized in Section B.
- (4) The engineer will determine the Fuel Cost Adjustment credit or payment from the following formula:

$$FA = \frac{CFI}{BFI} - 1 \times Q \times BFI$$

(plus is payment to contractor; minus is credit to the department)

Where	FA	=	Fuel Cost Adjustment (plus or minus)
	CFI	=	Current Fuel Index
	BFI	=	Base Fuel Index
	Q	=	Monthly total gallons of fuel

E Payment

A Fuel Cost Adjustment credit to the department will be deducted as a dollar amount each month from any sums due to the contractor. A Fuel Cost Adjustment payment to the contractor will be made as a dollar amount each month.

Upon completion of the work under the contract, any difference between the estimated quantities and the final quantities will be determined. An average CFI, calculated by averaging the CFI for all months that fuel cost adjustment was applied, will be applied to the quantity differences. The average CFI shall be applied in accordance with the procedure set forth in Section D.

Additional Special Provision 6

ASP 6 - Modifications to the standard specifications

Make the following revisions to the standard specifications:

104.3 Contractor Notification

Replace the entire text with the following effective with the December 2019 letting:

104.3.1 General

- (1) Subsection 104.3 specifies the step-by-step communication process to be followed to expedite the resolution of potential contract revisions identified by the contractor. Both contractor actions and department responses are outlined. The contractor's non-compliance with the requirements of 104.3 may constitute a waiver of entitlement to a pay adjustment under 109.4 or a time extension under 108.10. The department and contractor can mutually agree to extend any time frame specified throughout 104.3.

104.3.2 Contractor Initial Oral Notification

- (1) 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, the contractor must promptly provide oral notification to the project engineer. Upon notification, the project engineer will attempt to resolve the identified issue.

104.3.3 Contractor 5-Day Written Statement

- (1) If the project engineer has not responded or resolved the identified issue within 5 business days after receipt of initial notification, provide a contractor written statement to the project engineer in the following format:

Part 1 - Executive Summary (label page 1.1 through page 1.x)

Include a detailed, factual statement of the request for additional compensation and contract time. Include the date the issue was identified, the date initial notification was given to the project engineer, and the dates and specific locations of work involved.

Part 2 - Contractor's Basis of Entitlement (label page 2.1 through page 2.x)

Include references to relevant contract provisions and a narrative summarizing how the contract provisions support the request for a revision to the original contract.

Part 3 - Contractor's Request for Damages (label page 3.1 through page 3.x)

When requesting additional compensation, include an itemized list of costs with a narrative supporting the requested amount and explaining how the costs are tied to the requested contract revision.

When requesting additional contract time, include a copy of the schedule that was in effect when the issue occurred and a detailed narrative explaining how the issue impacted controlling items of work. Provide a time impact analysis utilizing base and updated schedules.

If the full extent of either compensation or time is not known at the date of submittal of the contractor 5-Day written statement, provide a brief statement as to why, and include estimated compensation and time.

Part 4 - Supporting Documentation (label page 4.1 through page 4.x)

Include copies of the following:

- A. Relevant excerpts from specifications, special provisions, plans, change orders, or other contract documents.
 - B. Communication on the issue, including: letters, e-mails, meeting minutes, etc.
 - C. Any other documentation to support or clarify the contractor's position, including: daily work records, cost summary sheets, weigh tickets, test results, sketches, etc.
- (2) With the submittal of the written statement, the contractor may also request a meeting with the region.

104.3.4 Region One-Day Written Acknowledgment

- (1) Within one business day after the contractor provides the 5-day written statement, the project engineer will provide a region one-day written acknowledgment to the contractor. The project engineer will continue to resolve the issue.

104.3.5 Region 5-Day Written Response

- (1) Within 5 business days after receiving the contractor 5-day written statement, the project engineer may request specific additional information to allow the project engineer to decide whether item 1 or 2 of 104.3.6(1) applies. The project engineer will state the information needed and date it is to be

received for further review. Submit additional information as an amendment to the contractor 5-day written statement.

104.3.6 Region Final Decision

- (1) Within 10 business days after receiving the contractor 5-day written statement or additional information requested in 104.3.5(1), whichever comes last, the region will consider all information and provide a region final decision in writing to the contractor with one or more of the following responses:
 1. The region will confirm that the contractor is entitled to a contract revision and a contract change order is necessary as specified in 104.2. The project engineer will give direction concerning the potential change.
 2. The region will deny that the contractor is entitled to a contract revision. The project engineer will provide a statement as to why the issue is not a change to the contract. At a minimum, the project engineer will respond to the contractor's issues and refer to the contract to show why the issues are not a change from the original contract.
 - (2) If the contractor does not agree with the region's decision the contractor may pursue the issue as a claim as specified in 105.13. Alternatively, if the contractor and department mutually agree, the department will get a third-party advisory opinion according to the department's dispute resolution procedures.
 - (3) If a third party reviews the issue, their recommendation is not binding on either party. The region has 10 business days after receipt of the third party's written recommendation to render a decision. If the department fails to respond in writing within those 10 business days or the contractor disagrees with the region's decision, the contractor may pursue the issue as a claim as specified in 105.13.
-

104.6.1.2.1 General

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Conduct construction operations and provide facilities required to maintain the portion of the project open to the public in a condition that safely and adequately accommodates public traffic. Use barricades, signs, flaggers, and temporary barrier as specified in part VI, of the WMUTCD and ensure that the contractor's use of the right-of-way conforms to 107.9. Throughout the life of the contract, and as the engineer directs, conduct construction operations and provide facilities as follows:
 - Conduct flagging operations conforming to plan details and the department's flagging handbook.
 - Use drums, barricades, and temporary barrier to delineate and shield abrupt drop-offs and other hazards.
 - Furnish, erect, and maintain traffic control devices and facilities conforming to 643.
 - Furnish, erect, and maintain temporary pedestrian devices and facilities conforming to 644.
-

104.6.1.2.2 Flagging

Replace paragraph three with the following effective with the December 2019 letting:

- (3) Provide associated advanced warning signs that meet the retroreflective requirements of 637.2.2.2. Provide temporary portable rumble strips from the department's APL installed according to manufacturer's instructions and as specified in the flagging plan details. Provide guidance service through the worksite using pilot vehicles if required.

Replace paragraph five with the following effective with the December 2019 letting:

- (5) Flagging is incidental to the contract and includes costs for advance signing, temporary portable rumble strips, and pilot vehicle guidance service.

104.8 Rights in the Use of Materials Found on the Project

Replace paragraph two with the following effective with the December 2019 letting:

- (2) Do not excavate or remove material from within the right-of-way that is not within the vertical and horizontal excavation limits the plans show except as follows:
- If the contract does not identify potential source areas, obtain written authorization from the engineer to use those sources. Complete required environmental documentation and obtain necessary permits. The department will reduce pay by \$1.50 per cubic yard under the Material from Right-of-Way administrative item for material obtained from those areas.
 - If the contract identifies potential source areas that were evaluated and permitted in the original environmental document, do not begin excavating in those areas until the engineer allows in writing. Additional environmental documentation and environmental permits are not required. The department will not reduce pay for material obtained from those areas.

The department may suspend use of these sources if the contractor's operation affects the essential functions or characteristics of the project.

104.10.1 General

Replace paragraph one with the following effective with the December 2019 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 for the following situations:
1. The contractor generates the original cost savings idea and formulates it into a concept.
 2. The department generates the original cost savings idea and obtains the contractor's assistance to formulate the idea into a concept.

Replace paragraph five with the following effective with the December 2019 letting:

- (5) The department will consider a CRI that changes but does not impair the essential functions or characteristics of the project. These functions or characteristics include, but are not limited to, appearance, service life, economy of operations, ease of maintenance, design, and safety of structures and pavements, construction phasing or procedures, or other contract requirements. The department will not consider a CRI that changes the following:
- Permanent pavement type.
 - Permanent structural cross section above the subgrade.
-

104.10.2 Submittal and Review of a CRI Concept

Replace paragraphs five and six with the following effective with the December 2019 letting:

- (5) The department may consider a CRI concept that addresses a potential change under 104.2.
- (6) The department will not implement a contractor-initiated CRI concept, or portion of that concept, without sharing the cost savings with the contractor as specified in 104.10.4.2.
- (7) The savings generated by the CRI must be sufficient to warrant its review and processing and offset the level of risk. The department will assess the risk of the CRI relative to departmental design policies and criteria for the project. The department may reject a CRI concept for the following reasons:
1. It requires excessive time or costs for the contractor to develop the CRI proposal.
 2. It requires excessive time or costs for review, evaluation, investigation, or implementation.
 3. It introduces an inappropriate level of risk.

104.10.4.2 Payment for the CRI Work

Replace paragraph one with the following effective with the December 2019 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.

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

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

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

105.13 Claims Process for Unresolved Changes

Replace the entire text with the following effective with the December 2019 letting:

105.13.1 General

- (1) Before submitting a claim, the department and contractor can mutually agree to have the department get a third-party advisory opinion as specified in 104.3.6.
- (2) The department and contractor can mutually agree to extend any time frame specified throughout 105.13 and can mutually agree to utilize an alternative dispute resolution method at any point before the department renders its final decision.
- (3) The department and contractor share costs related to referral to a dispute review board (DRB) as prescribed in the department's dispute resolution procedures.

105.13.2 Notice of Claim

- (1) If the contractor has followed the procedures for revising the contract specified in 104.2 and provided the notification specified in 104.3, but still disagrees with the region, the contractor may pursue the issue as a claim. File a notice of claim with the project engineer concerning the disagreement within 14 calendar days of receiving the region's decision under 104.3.6(1).
- (2) The project engineer may deny the applicable portion of a claim if the contractor does not do the following:
 1. File the notice of claim within 14 calendar days as specified in 105.13.2(1).
 2. Give the project engineer sufficient access to keep a record of the actual labor, materials, and equipment used to perform the claimed work.

- (3) Upon filing the notice of claim, maintain records as specified for force account statements in 109.4.5. Unless the project engineer issues a suspension, continue to perform the disputed work. The department will continue to make progress payments to the contractor as specified in 109.6.

105.13.3 Submission of Claim

- (1) Submit the claim to the project engineer as promptly as possible following the submission of the Notice of Claim, but not later than the end of the time allowed under 109.7 for the contractor to respond in writing to the engineer-issued semi-final estimate. If the contractor does not submit the claim within that response time, the department will deny the claim.
- (2) The department will not accept the submission of a claim until the resolution process in 104.3 has been completed and the contractor makes no further requests to submit updated information that may affect the region's final decision.

105.13.4 Content of Claim

- (1) The final contractor written statement under 104.3.3 is considered the content of the claim. If the contractor makes a request to submit updated information that may affect the region’s final decision under 104.3.6, submit the updated information as an amendment to the contractor written statement and continue the resolution process in 104.3 before submitting a claim.
- (2) The department may refer the claimant of a false claim to the appropriate authority for criminal prosecution. Certify the claim using the following form:

The undersigned is duly authorized to certify this claim on behalf of (the contractor).

(The contractor) certifies that this claim is made in good faith, that the supporting data are accurate and complete to the best of (the contractor's) knowledge and belief, and that the amount requested accurately reflects the contract adjustment for which (the contractor) believes that the department is liable.

(THE CONTRACTOR)

By: _____

(Name and Title)

Date of Execution: _____

105.13.5 Department Final Decision

- (1) The department will have up to 28 calendar days, from the contractor's submission of the claim, to perform a final review of the claim and conduct all meetings. The department may request, in writing, that the contractor submit additional information related to the claim. Submit that additional information, or notify the department in writing to base its decision on the information previously submitted. Either the contractor or region may request a meeting to present their views. Before the meeting, both parties will agree upon written ground rules for the meeting.
- (2) Upon completion of the 28 calendar days for the department’s review and meetings, the department will have up to 21 calendar days to render a written decision. The department will consider written and oral submissions from the contractor and region, and may consider other relevant information in the project records.
- (3) The department will provide the following in its final decision:
 - 1. A concise description of the claim.
 - 2. A clear, contractual basis for its decision that includes a reference to 104.2 on revisions to the contract and as appropriate, specific reference to language regarding the bid items in question.
 - 3. Other facts the department relies on to support its decision.
 - 4. A concise statement of the circumstances surrounding the claim and reasons for its decision. If the department rejects the claim in whole or in part, the department will explain why the claimed work is not a change to the contract work.
 - 5. The amount of money or other relief, if any, the department will grant the contractor.
- (4) If the contractor disagrees with the department's final decision, the contractor may initiate a legal action pursuant to state statutes.

106.3.4.2.2 Freeze-Thaw Soundness

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Perform freeze-thaw soundness testing according to AASHTO T103 as modified in CMM 8-60.2. Provide freeze/thaw soundness test results based on the fraction retained on the No. 4 sieve as follows:
 - 1. Using virgin crushed stone aggregates produced from limestone/dolomite sources in one or more of the following counties or from out of state:

Brown	Columbia	Crawford	Dane	Dodge
Fond du Lac	Grant	Green	Green Lake	Iowa
Jefferson	Lafayette	Marinette	Oconto	Outagamie
Rock	Shawano	Walworth	Winnebago	
 - 2. Using gravel aggregates produced from pit sources in one or more of the following counties or from out of state:

Dodge	Washington	Waukesha		
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208.5 Payment

Replace paragraph three with the following effective with the December 2019 letting:

- (3) The department will adjust pay for material obtained from within the project right-of-way limits but outside project excavation limits, furnished under 208.2.2, as specified in 104.8.

301.2.3 Sampling and Testing

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Department and contractor testing shall conform to the following:

Sampling ^[1]	AASHTO T2
Percent passing the 200 sieve.....	AASHTO T11
Gradation ^[1]	AASHTO T27
Gradation of extracted aggregate.....	AASHTO T30
Moisture content ^[1]	AASHTO T255
Liquid limit.....	AASHTO T89
Plasticity index.....	AASHTO T90
Wear.....	AASHTO T96
Sodium sulfate soundness (R-4, 5 cycles).....	AASHTO T104
Freeze/thaw soundness ^[1]	AASHTO T103
Lightweight Pieces in Aggregate.....	AASHTO T113
Fracture.....	ASTM D5821 as modified in CMM 8-60
Moisture/density ^[1]	AASHTO T99 and AASHTO T180
In-place density ^[1]	AASHTO T191
Asphaltic material extraction.....	CMM 8-36 WisDOT Test Method 1560

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

301.2.4.5 Aggregate Base Physical Properties

Replace paragraph one with the following effective with the December 2019 letting:

(1) Furnish aggregates conforming to the following:

TABLE 301-2 AGGREGATE BASE PHYSICAL PROPERTIES

PROPERTY	CRUSHED STONE	CRUSHED GRAVEL	CRUSHED CONCRETE	RECLAIMED ASPHALT	REPROCESSED MATERIAL	BLENDED MATERIAL
Gradation AASHTO T27						
dense	305.2.2.1	305.2.2.1	305.2.2.1	305.2.2.2	305.2.2.1	305.2.2.1 ^[1]
open-graded	310.2	310.2	not allowed	not allowed	not allowed	not allowed
Wear AASHTO T96 loss by weight	<=50%	<=50%	note ^[2]	—	note ^[2]	note ^[3]
Sodium sulfate soundness AASHTO T104 loss by weight						
dense	<=18%	<=18%	—	—	—	note ^[3]
open-graded	<=12%	<=12%	not allowed	not allowed	not allowed	not allowed
Freeze/thaw soundness AASHTO T103 ^[6] loss by weight						
dense	<=18%	<=18%	note ^[2]	—	—	note ^[3]
open-graded	<=18%	<=18%	not allowed	not allowed	not allowed	not allowed
Liquid limit AASHTO T89	<=25	<=25	<=25	—	—	note ^[3]
Plasticity AASHTO T90	<=6 ^[4]	<=6 ^[4]	<=6 ^[4]	—	—	note ^[3]
Fracture ASTM D5821 ^[6] min one face by count						
dense	58%	58%	58%	—	note ^[5]	note ^[3]
open-graded	90%	90%	not allowed	not allowed	not allowed	not allowed

^[1] The final aggregate blend must conform to the specified gradation.

^[2] No requirement for material taken from within the project limits. For material supplied from a source outside the project limits:

- LA wear maximum of 50 percent loss, by weight.
- Freeze thaw maximum of 42 percent loss, by weight.

^[3] Required as specified for the individual component materials defined in columns 2 - 6 of the table before blending.

^[4] For base placed between old and new pavements, use crushed stone, crushed gravel, or crushed concrete with a plasticity index of 3 or less.

^[5] >=75 percent by count of non-asphalt coated particles.

^[6] as modified in CMM 8-60.

450.2.2 Aggregate Sampling and Testing

Replace paragraph one with the following effective with the December 2019 letting:

- (1) The department and the contractor will sample and test according to the following methods, except as revised with the engineer's approval:
- | | |
|--|-------------|
| Sampling aggregates..... | AASHTO T2 |
| Material finer than No. 200 sieve | AASHTO T11 |
| Sieve analysis of aggregates..... | AASHTO T27 |
| Mechanical analysis of extracted aggregate..... | AASHTO T30 |
| Sieve analysis of mineral filler | AASHTO T37 |
| Los Angeles abrasion of coarse aggregate | AASHTO T96 |
| Freeze-thaw soundness of coarse aggregate ^[1] | AASHTO T103 |
| Sodium sulfate soundness of aggregates (R-4, 5 cycles)..... | AASHTO T104 |
| Extraction of bitumen..... | AASHTO T164 |

^[1] As modified in CMM 8-60.2.

450.3.2.6.3 Compaction Roller Pattern Determined by Growth Curve

Add 450.3.2.6.3 as a new subsection effective with the December 2019 letting:

450.3.2.6.3 Compaction Roller Pattern Determined by Growth Curve

- (1) When specified in 460.3.3.1, compact asphaltic mixture using the roller pattern established during construction of a control strip. Use 2 or more rollers per paver if placing more than 165 tons per hour.
- (2) On the first day of production, construct a control strip under the direct observation of department personnel. After compacting the control strip with a minimum of 3 passes, mark the gauge outline and take a one-minute wet density measurement using a nuclear density gauge in back scatter mode at a single location. Take a density measurement at the same location after each subsequent pass. Continue compacting and testing until the increase in density is less than 1 pcf for 3 consecutive passes. Submit the final roller pattern to the engineer in writing. Once the roller pattern is established do not change the pattern or decrease the number, type, or weight of rollers without the engineer's written approval.
- (3) After establishing the roller pattern, and under the direct observation of the engineer, cut at least one 4-inch diameter or larger core from the control strip density gauge outline. Prepare cores and determine density according to AASHTO T166. Dry cores after testing. Fill core holes and obtain engineer approval before opening to traffic. The department will maintain custody of cores throughout the entire sampling and testing process. The department will label cores, transport cores to testing facilities, witness testing, store dried cores, and provide subsequent verification testing.

450.3.2.8 Jointing

Replace paragraph three with the following effective with the December 2019 letting:

- (3) Construct notched wedge longitudinal joints for mainline paving of HMA layers 1.75 inches or greater. Extend the wedge beyond the normal lane width as the plans show or as the engineer directs.

Replace paragraph five with the following effective with the December 2019 letting:

- (5) Construct the wedge for each layer using an engineer-approved strike-off device that will provide a uniform slope and will not restrict the main screed. Shape and compact the wedge with a weighted steel side roller wheel or vibratory plate compactor the same width as the wedge. Apply a tack coat to the wedge surface and both notches before placing the adjacent lane.
- (6) Clean longitudinal and transverse joints coated with dust and, if necessary, paint with hot asphaltic material, a cutback, or emulsified asphalt to ensure a tightly bonded, sealed joint.

455.2.5 Tack Coat

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Under the Tack Coat bid item, furnish type SS-1h, CSS-1h, QS-1h, CQS-1h, or modified emulsified asphalt with an "h" suffix, unless the contract specifies otherwise.

460.2.2.3 Aggregate Gradation Master Range

Replace paragraph one with the following effective with the December 2019 letting:

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

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

SIEVE	PERCENT PASSING DESIGNATED SIEVES							
	NOMINAL SIZE							
	No. 1 (37.5 mm)	No. 2 (25.0 mm)	No.3 (19.0 mm)	No. 4 (12.5 mm)	No. 5 (9.5 mm)	No. 6 (4.75 mm)	SMA No. 4 (12.5 mm)	SMA No. 5 (9.5 mm)
50.0-mm	100							
37.5-mm	90 - 100	100						
25.0-mm	90 max	90 - 100	100					
19.0-mm	___	90 max	90 - 100	100			100	
12.5-mm	___	___	90 max	90 - 100	100		90 - 97	100
9.5-mm	___	___	___	90 max	90 - 100	100	58 - 80	90 - 100
4.75-mm	___	___	___	___	90 max	90 - 100	25 - 35	35 - 45
2.36-mm	15 - 41	19 - 45	23 - 49	28 - 58	32 - 67	90 max	15 - 25	18 - 28
1.18-mm	___	___	___	___	___	30 - 55	___	___
0.60-mm	___	___	___	___	___	___	18 max	18 max
0.075-mm	0 - 6.0	1.0 - 7.0	2.0 - 8.0	2.0 - 10.0	2.0 - 10.0	6.0 - 13.0	8.0 - 11.0	8.0 - 12.0
% VMA	11.0 min	12.0 min	13.0 min	14.0 min ^[1]	15.0 min ^[2]	16.0 - 17.5	16.0 min	17.0 min

^[1] 14.5 for LT and MT mixes.

^[2] 15.5 for LT and MT mixes.

460.2.7 HMA Mixture Design

Replace paragraph one with the following effective with the December 2019 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. Ensure that SMA mixture designs adhere to AASHTO R 46 and AASHTO M 325 in addition to the required test procedures outlined in CMM 8-66 table 1 and CMM 8-66 table 2. Determine the specific gravity of fines or super fines used as a mineral filler or additional stabilizer in SMA designs according to AASHTO T 100. 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
LA Wear (AASHTO T96)				
100 revolutions(max % loss)	13	13	13	13
500 revolutions(max % loss)	50	45	45	35
Soundness (AASHTO T104) (sodium sulfate, max % loss)	12	12	12	12
Freeze/Thaw (AASHTO T103 as modified in CMM 8-60.2) (specified counties, max % loss)	18	18	18	18
Fractured Faces (ASTM D5821 as modified in CMM 860) (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 ^[1]	43 ^[1]	45	45
Sand Equivalency (AASHTO T176, min)	40	40 ^[2]	45	50
Clay Lumps and Friable Particle in Aggregate (AASHTO T112)	<= 1%	<= 1%	<= 1%	<= 1%
Plasticity Index of Material Added to Mix Design as Mineral Filler (AASHTO T89/90)	<= 4	<= 4	<= 4	<= 4
Gyratory Compaction				
Gyrations for Nini	6	7	8	7
Gyrations for Ndes	40	75	100	65
Gyrations for Nmax	60	115	160	100
Air Voids, %Va (%Gmm Ndes)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.5 (95.5)
% Gmm Nini	<= 91.5 ^[3]	<= 89.0 ^[3]	<= 89.0	___
% Gmm Nmax	<= 98.0	<= 98.0	<= 98.0	<= 98.0
Dust to Binder Ratio ^[4] (% passing 0.075/Pbe)	0.6 - 1.2 ^[5]	0.6 - 1.2 ^[5]	0.6 - 1.2 ^[5]	1.2 - 2.0
Voids filled with Binder (VFB or VFA, %)	68 - 80 ^{[6] [8]}	65 - 75 ^{[6] [7] [9]}	65 - 75 ^{[6] [7] [9]}	70 - 80
Tensile Strength Ratio (TSR) (AASHTO T283) ^{[10] [11]}				
no antistripping additive	0.75 min	0.75 min	0.75 min	0.80 min
with antistripping additive	0.80 min	0.80 min	0.80 min	0.80 min
Draindown (AASHTO T305) (%)	___	___	___	<= 0.30
Minimum Effective Asphalt Content, Pbe (%)	___	___	___	5.5

^[1] For No 6 (4.75 mm) nominal maximum size mixes, the specified fine aggregate angularity is 43 for LT and 45 MT mixes.

^[2] For No 6 (4.75 mm) nominal maximum size mixes, the specified sand equivalency is 43 for MT mixes.

^[3] The percent maximum density at initial compaction is only a guideline.

^[4] 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.

^[5] For No 6 (4.75 mm) nominal maximum size mixes, the specified dust to binder ratio limits are 1.0 - 2.0 for LT mixes and 1.5 - 2.0 for MT and HT mixes.

^[6] For No. 6 (4.75mm) nominal maximum size mixes, the specified VFB is 67 - 79 percent for LT mixes and 66 - 77 percent for MT and HT mixes.

^[7] For No. 5 (9.5mm) and No. 4 (12.5 mm) nominal maximum size mixtures, the specified VFB range is 70 - 76 percent.

^[8] For No. 2 (25.0mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

^[9] For No. 1 (37.5mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

^[10] WisDOT eliminates freeze-thaw conditioning cycles from the TSR test procedure.

^[11] Run TSR at asphalt content corresponding to 3.0% air void regressed design, or 4.5% air void design for SMA, using distilled water for testing.

460.2.8.2.1.3.1 Contracts with 5000 Tons of Mixture or Greater

Replace paragraph four with the following effective with the December 2019 letting:

- (4) Use the test methods identified below, or other methods the engineer approves, to perform the following tests at the frequency indicated:

Blended aggregate gradations:

Drum plants:

- Field extraction by ignition oven according to AASHTO T308 as modified in CMM 8-36.6.3.6, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to ASTM D8159 as modified in CMM 8-36.6.3.1. Gradation of resulting aggregate sample determined according to AASHTO T30.
- Belt samples, optional for virgin mixtures, obtained from stopped belt or from the belt discharge using an engineer-approved sampling device and performed according to AASHTO T11 and T27.

Batch plants:

- Field extraction by ignition oven according to AASHTO T308 as modified in CMM 8-36.6.3.6, chemical extraction according to AASHTO T-164 method A or B; or automated extraction according to ASTM D8159 as modified in CMM 8-36.6.3.1. Gradation of resulting aggregate sample determined according to AASHTO T30.

Asphalt content (AC) in percent:

AC by ignition oven according to AASHTO T308 (CMM 8-36.6.3.6), by chemical extraction according to AASHTO T-164 method A or B; or by automated extraction according to ASTM D8159 as modified in CMM 8-36.6.3.1. Gradation of resulting aggregate sample determined according to AASHTO T30.

Bulk specific gravity of the compacted mixture according to AASHTO T166.

Maximum specific gravity according to AASHTO T209.

Air voids (V_a) by calculation according to AASHTO T269.

VMA by calculation according to AASHTO R35.

460.2.8.2.1.4.2 Control Charts

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Maintain standardized control charts at the laboratory. Record contractor test results on the charts the same day as testing. Record data on the standardized control charts as follows:
- Blended aggregate gradation tests in percent passing. Of the following, plot sieves required in table 460-1: 37.5-mm, 25.0-mm, 19.0-mm, 12.5-mm, 9.5-mm, 4.75-mm, 2.36-mm, 1.18-mm, 0.60-mm, and 0.075-mm.
 - Asphalt material content in percent.
 - Air voids in percent.
 - VMA in percent.
- (2) Plot both the individual test point and the running average of the last 4 data points on each chart. Show QC data in black with the running average in red. Draw the warning limits with a dashed green line and the JMF limits with a dashed red line. The contractor may use computer generated black-and-white printouts with a legend that clearly identifies the specified color-coded components.

460.2.8.2.1.5 Control Limits

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Conform to the following control limits for the JMF and warning limits based on a running average of the last 4 data points:

ITEM	JMF LIMITS	WARNING LIMITS
Percent passing given sieve:		
37.5-mm	+/- 6.0	+/- 4.5
25.0-mm	+/- 6.0	+/- 4.5
19.0-mm	+/- 5.5	+/- 4.0
12.5-mm	+/- 5.5	+/- 4.0
9.5-mm	+/- 5.5	+/- 4.0
4.75-mm	+/- 5.0	+/- 4.0
2.36-mm	+/- 5.0	+/- 4.0
1.18-mm	+/- 4.0	+/- 3.0
0.60-mm	+/- 4.0	+/- 3.0
0.075-mm	+/- 2.0	+/- 1.5
Asphaltic content in percent	- 0.3	- 0.2
Air voids in percent ^[1]	+1.3/-1.0	+1.0/-0.7
VMA in percent ^[2]	- 0.5	- 0.2

^[1] For SMA, JMF limits are +/-1.3 and warning limits are +/-1.0.

^[2] VMA limits are based on requirements for each mix design nominal maximum aggregate size in table 460-1. For No. 6 (4.75mm) mixes, JMF limits are +/- 0.5 and warning limits are +/- 0.2.

460.3.2 Thickness

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Provide the plan thickness for lower and upper layers limited as follows:

NOMINAL SIZE	MINIMUM LAYER THICKNESS (in inches)	MAX LOWER LAYER THICKNESS (in inches)	MAX UPPER LAYER THICKNESS (in inches)	MAX SINGLE LAYER THICKNESS ^[3] (in inches)
No. 1 (37.5 mm)	4.5	6	4.5	6
No. 2 (25.0 mm)	3.0	5	4	6
No. 3 (19.0 mm)	2.25	4	3	5
No. 4 (12.5 mm) ^[1]	1.75	3 ^[2]	2.5	4
No. 5 (9.5 mm) ^[1]	1.25	3 ^[2]	2	3
No. 6 (4.75 mm)	0.75	1.25	1.25	1.25

^[1] SMA mixtures use nominal size No. 4 (12.5 mm) or No. 5 (9.5 mm).

^[2] SMA mixtures with nominal sizes of No. 4 (12.5 mm) and No. 5 (9.5 mm) have no maximum lower layer thickness specified.

^[3] For use on cross-overs and shoulders.

- (2) Place leveling layers using No. 4 (12.5 mm), No. 5 (9.5 mm), or No. 6 (4.75 mm) mixtures. Leveling layers may be thinner than the minimum lower layer thickness for the mixture used.
- (3) Place wedging layers as the contract specifies or engineer directs. Wedging layers have no specified minimum or maximum thickness.

460.3.3.1 Minimum Required Density

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Compact No. 6 mixtures in lower layers as specified in 450.3.2.6.2 and in upper layers as specified in 450.3.2.6.3. For other HMA mixtures, compact all layers to the density table 460-3 specifies.

TABLE 460-3 MINIMUM REQUIRED DENSITY^[1]

LOCATION	LAYER	PERCENT OF TARGET MAXIMUM DENSITY		
		MIXTURE TYPE		
		LT and MT	HT	SMA ^[5]
TRAFFIC LANES ^[2]	LOWER	93.0 ^[3]	93.0 ^[4]	—
	UPPER	93.0	93.0	93.0
SHOULDERS & APPURTENANCES	LOWER	91.0	91.0	—
	UPPER	92.0	92.0	92.0

^[1] The table values are for average lot density. If any individual density test result falls more than 3.0 percent below the minimum required target maximum density, the engineer will investigate the acceptability of that material according to CMM 8-15.11.

^[2] Includes side roads, crossovers, turn lanes, ramps, parking lanes, bike lanes, and park-and-ride lots as defined by the contract plans.

^[3] Minimum reduced by 2.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

^[4] Minimum reduced by 1.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

460.3.3.2 Pavement Density Determination

Replace paragraph three with the following effective with the December 2019 letting:

- (3) A lot is defined in CMM 8-15 and placed within a single layer for each location and target maximum density category indicated in table 460-3. The lot density is the average of all samples taken for that lot. The department determines the number of tests per lot according to CMM 8-15.

460.5.2.1 General

Replace paragraph six with the following effective with the December 2019 letting:

- (6) If during a QV dispute resolution investigation the department discovers unacceptable mixture defined by one or more of the following:
 - Va less than 2.5 or greater than 6.5 percent for SMA, or for other mixes, less than 1.5 or greater than 5.0 percent.
 - VMA more than 1.0 percent below the minimum or above the maximum specified in table 460-1.
 - AC more than 0.5 % below the JMF target.

Remove and replace the material, or if the engineer allows the mixture to remain in place, the department will pay for the quantity of affected material at 50 percent of the contract price.

501.2.5.5 Sampling and Testing

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Sample and test aggregates for concrete according to the following:
 - Sampling aggregates^[1] AASHTO T2
 - Lightweight pieces in aggregate AASHTO T113
 - Material finer than No. 200 sieve^[1] AASHTO T11
 - Unit weight of aggregate AASHTO T19
 - Organic impurities in sands AASHTO T21
 - Sieve analysis of aggregates AASHTO T27
 - Effect of organic impurities in fine aggregate AASHTO T71
 - Los Angeles abrasion of coarse aggregate AASHTO T96
 - Alkali Silica Reactivity of Aggregates ASTM C1260
 - Alkali Silica Reactivity of Combinations of Cementitious Materials and Aggregates ASTM C1567
 - Freeze-thaw soundness of coarse aggregate^[1] AASHTO T103
 - Sodium sulfate soundness of coarse aggregates (R-4, 5 cycles) AASHTO T104
 - Specific gravity and absorption of fine aggregate AASHTO T84
 - Specific gravity and absorption of coarse aggregate^[1] AASHTO T85
 - Flat & elongated pieces based on a 3:1 ratio^[1] ASTM D4791
 - Sampling fresh concrete AASHTO R60
 - Making and curing concrete compressive strength test specimens AASHTO T23
 - Compressive strength of molded concrete cylinders AASHTO T22

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

505.2.2 Bar Steel Reinforcement

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Conform to AASHTO M31, type S or type W.

505.2.3 High-Strength Bar Steel Reinforcement

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Conform to AASHTO M31, grade 60, type S or type W.

505.2.4.1 General

Replace paragraph one with the following effective with the December 2019 letting:

- (1) Conform to AASHTO M31, grade 60, type S or type W. Ensure that the coating is applied in a CRSI certified epoxy coating plant. Bend bars that require bending before coating, unless the fabricator can bend the bar without damaging the coating.

505.2.6.1 General

Replace paragraph one with the following effective with the December 2019 letting:

- (1) 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.

505.2.6.2.2 Solid Dowel Bars

Replace paragraph one with the following effective with the December 2019 letting:

- (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 in a plant certified by the Concrete Reinforcing Steel Institute with a thermosetting epoxy conforming to AASHTO M254, type B.

625.3.2 Processing Topsoil or Salvaged Topsoil

Delete paragraph four effective with the December 2019 letting.

701.3.1 General

Replace the entire text with the following effective with the December 2019 letting:

- (1) Perform contract required QC tests for samples randomly located according to CMM 8-30. Use the test methods specified in table 701-1.

TABLE 701-1 TESTING AND CERTIFICATION STANDARDS

TEST	TEST STANDARD	MINIMUM REQUIRED CERTIFICATION (any one of the certifications listed for each test)
Random Sampling	CMM 8-30.9.2	Transportation Materials Sampling Technician (TMS) Aggregate Technician I (AGGTEC-I) AGGTEC-I Assistant Certified Technician (ACT-AGG) PCC Technician I (PCCTEC-I) PCCTEC-I Assistant Certified Technician (ACT-PCC) Grading Technician I (GRADINGTEC-I) Grading Assistant Certified Technician (ACT-GRADING)
Sampling Aggregates	AASHTO T2 ^{[1][4]}	TMS, AGGTEC-1, ACT-AGG
Percent passing the No. 200 sieve	AASHTO T11 ^[1]	AGGTEC-I, ACT-AGG
Fine and coarse aggregate gradation	AASHTO T27 ^[1]	
Aggregate moisture content	AASHTO T255 ^[1]	
Fractured faces	ASTM D5821 ^[1]	
Liquid limit	AASHTO T89	Aggregate Testing for Transportation Systems (ATTS) GRADINGTEC-I, or ACT-GRADING
Plasticity index	AASHTO T90 ^[3]	
Sampling freshly mixed concrete	AASHTO R60	PCCTEC-1 ACT-PCC
Air content of fresh concrete	AASHTO T152 ^[2]	
Air void system of fresh concrete	AASHTO TP118 ^[5]	
Concrete slump	AASHTO T119 ^[2]	
Concrete temperature	ASTM C1064	
Making and curing concrete cylinders	AASHTO T23	
Moist curing for concrete cylinders	AASHTO M201	
Concrete compressive strength	AASHTO T22	Concrete Strength Tester (CST) CST Assistant Certified Technician (ACT-CST)
Concrete flexural strength	AASHTO T97	
Profiling	—	PROFILER

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

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

^[3] A plasticity check, if required under individual QMP provisions, may be performed by an AGGTEC-I in addition to the certifications listed for liquid limit and plasticity index tests.

^[4] Plant personnel may operate equipment to obtain samples under the direct observation of a TMS or higher.

^[5] Consolidate tests by rodding only.

715.2.1 General

Replace paragraph five with the following effective with the December 2019 letting:

- (5) For new lab-qualified mixes, test the air void system of the proposed concrete mix. Include the SAM number as a part of the mix design submittal.

715.3.1.1 General

Replace paragraph two with the following effective with the December 2019 letting:

- (2) Test the air void system at least once per lot and enter the SAM number in the MRS for information only. SAM testing is not required for the following:
- For lots with less than 4 sublots.
 - High early strength (HES) concrete.
 - Special high early strength (SHES) concrete.
 - Concrete placed under the following bid items:
 - Concrete Pavement Approach Slab
 - Concrete Masonry Culverts
 - Concrete Masonry Retaining Walls
 - Steel Grid Floor Concrete Filled
 - Crash Cushions Permanent
 - Crash Cushions Permanent Low Maintenance
 - Crash Cushions Temporary

730.3.1 General

Replace paragraph three with the following effective with the December 2019 letting:

- (3) Stockpile tests^[1] can be used for multiple projects. If placement on a project does not begin within 120 calendar days after the date the stockpile sample was obtained, retest the stockpile before placement begins.

^[1] Replace the stockpile test with an in-place production test for concrete pavement recycled and processed on-site; test on the first day of production.

730.3.2 Contractor QC Testing

Replace paragraph four with the following effective with the December 2019 letting:

- (4) Submit test results to the engineer within one business day of obtaining the sample, except any aggregate classification with recycled asphalt may be submitted within two business days.

730.3.4.1 Contractor QC Testing

Replace the entire text with the following effective with the December 2019 letting:

- (1) For small quantity contracts with ≤ 500 tons, submit 2 production tests or 1 stockpile test. Production tests are valid for 3 years from the date the production sample was obtained. Begin placement within 3 years of the date sampled.
- (2) For small quantity contracts with ≤ 6000 tons and ≥ 500 tons, do the following:
1. Conduct one QC stockpile test before placement.
 2. Submit 2 production tests or conduct 1 loadout test instead of placement tests. Production tests are valid for 3 years from the date the production sample was obtained; the first day of placement must be within 3 years of the date sampled.
 3. If the actual quantity placed is more than 6000 tons, on the next day of placement perform one additional random QC test for each 3000 tons of overrun, or fraction thereof.

740.3.2 Contractor QC Testing

Replace paragraph three with the following effective with the December 2019 letting:

- (3) Field-locate the beginning and ending points for each profile run. Measure the profiles of each standard and partial segment. Define primary segments starting at a project terminus and running contiguously along the mainline to the other project terminus. Define segments one wheel path wide and distinguished by length as follows:
1. Standard segments are 500 feet long.
 2. Partial segments are less than 500 feet long.

Errata

614.3.6 Thrie Beam Structure Approach Retro Fits

Correct errata by deleting the galvanization reference already required under 614.3.1.

- (2) Install posts and drill holes into existing thrie beam conforming to 614.3.2.
-

628.3.7 Mobilizations for Erosion Control

Correct errata by clarifying that mobilizations for erosion control include proceeding with the work.

- (1) Move personnel, equipment, and materials to the project site and promptly proceed with construction of erosion control items at the stages the contract indicates or the engineer directs.

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 Electronic Certified Payroll or Labor Data Submittal

(1) Use the department's Civil Rights Compliance System (CRCS) to electronically submit certified payroll reports for contracts with federal funds and labor data for contracts with state funds only. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at:

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

(2) Ensure that all tiers of subcontractors, including all trucking firms, either submit their weekly certified payroll reports (contracts with federal funds) or labor data (contracts with state funds only) electronically through CRCS. These payrolls or labor data are due within seven calendar days following the close of the payroll period. Every firm providing physical labor towards completing the project is a subcontractor under this special provision.

(3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin their submittals. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Paul Ndon at (414) 438-4584 to schedule the training.

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

(5) Firms wishing to export payroll/labor data from their computer system into CRCS should have their payroll coordinator contact Paul Ndon at paul.ndon@dot.wi.gov. Not every contractor's payroll system is capable of producing export files. For details, see Section 4.8 CPR Auto Submit (Data Mapping) on pages 49-50; 66-71 of the CRCS Payroll Manual at:

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

**REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b.(1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or

will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b.(1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

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

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

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

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

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

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

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

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

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

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

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

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

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

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

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

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

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

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).

SEPTEMBER 2002

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE
EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)**

1. The Offeror's or Bidder's attention is called to the "Employment Practices" and "Equal Opportunity Clause" set forth in the Required Contract Provisions, FHWA 1273.
2. The goals and timetables for minority and female participation expressed in percentage terms for the contractor's aggregate work force in each trade, on all construction work in the covered area, are as follows:

Goals for Minority Participation for Each Trade:

<u>County</u>	<u>%</u>	<u>County</u>	<u>%</u>	<u>County</u>	<u>%</u>
Adams	1.7	Iowa	1.7	Polk	2.2
Ashland	1.2	Iron	1.2	Portage	0.6
Barron	0.6	Jackson	0.6	Price	0.6
Bayfield	1.2	Jefferson	7.0	Racine	8.4
Brown	1.3	Juneau	0.6	Richland	1.7
Buffalo	0.6	Kenosha	3.0	Rock	3.1
Burnett	2.2	Kewaunee	1.0	Rusk	0.6
Calumet	0.9	La Crosse	0.9	St. Croix	2.9
Chippewa	0.5	Lafayette	0.5	Sauk	1.7
Clark	0.6	Langlade	0.6	Sawyer	0.6
Columbia	1.7	Lincoln	0.6	Shawano	1.0
Crawford	0.5	Manitowoc	1.0	Sheboygan	7.0
Dane	2.2	Marathon	0.6	Taylor	0.6
Dodge	7.0	Marinette	1.0	Trempealeau	0.6
Door	1.0	Marquette	1.7	Vernon	0.6
Douglas	1.0	Menominee	1.0	Vilas	0.6
Dunn	0.6	Milwaukee	8.0	Walworth	7.0
Eau Claire	0.5	Monroe	0.6	Washburn	0.6
Florence	1.0	Oconto	1.0	Washington	8.0
Fond du Lac	1.0	Oneida	0.6	Waukesha	8.0
Forest	1.0	Outagamie	0.9	Waupaca	1.0
Grant	0.5	Ozaukee	8.0	Waushara	1.0
Green	1.7	Pepin	0.6	Winnebago	0.9
Green Lake	1.0	Pierce	2.2	Wood	0.6

Goals for female participation for each trade: 6.9%

These goals are applicable to all the contractor's construction work, (whether or not it is federal or federally assisted), performed in the covered area. If the contractor performs construction work in the geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The contractor's compliance with the Executive Order and the Regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project for the sole purpose of meeting the contractor's goals shall be a violation of the contract, the Executive Order and the Regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor, employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

As referred to in this section, the Director means:

Director
Office of Federal Contract Compliance Programs
Ruess Federal Plaza
310 W. Wisconsin Ave., Suite 1115
Milwaukee, WI 53202

The "Employer Identification Number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.

4. As used in this notice, and in the contract resulting from solicitation, the "covered area" is the county(ies) in Wisconsin to which this proposal applies.

APRIL 2013

ADDITIONAL FEDERAL-AID PROVISIONS

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidding collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

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.

<https://wisconsin.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:

<https://wisconsin.gov/hcciDocs/contracting-info/ws4567.doc>

Cargo Preference Act Requirement

All Federal-aid projects shall comply with 46 CFR 381.7 (a) – (b) as follows:

(a) *Agreement Clauses*. "Use of United States-flag vessels:"

(1) Pursuant to Pub. L. 664 (43 U.S.C. 1241(b)) at least 50 percent of any equipment, materials or commodities procured, contracted for or otherwise obtained with funds granted, guaranteed, loaned, or advanced by the U.S. Government under this agreement, and which may be transported by ocean vessel, shall be transported on privately owned United States-flag commercial vessels, if available.

(2) Within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (a)(1) of this section shall be furnished to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590."

(b) *Contractor and Subcontractor Clauses*. "Use of United States-flag vessels: The contractor agrees—"

(1) To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

(2) To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b) (1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

(3) To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

**WISCONSIN DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION AND SYSTEM DEVELOPMENT**

**SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS
FOR PROJECTS WITH FEDERAL AID**

I. PREVAILING WAGE RATES

The attached U.S. Department of Labor (Davis-Bacon Minimum Wage Rates) furnishes the minimum prevailing wage rates pursuant to the Davis-Bacon and Related Acts. The wage rates shown are the minimum rates required by the contract to be paid during its life, however this is not a representation that labor can be obtained at these rates. It is the responsibility of bidders to inform themselves as to the local labor conditions and prospective changes or adjustments of wage rates. No increase in the contract price will be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

II. COVERAGE OF TRUCK DRIVERS

Truck drivers are covered by Davis-Bacon Minimum Wage Rates in the following circumstances:

- Drivers of a contractor or subcontractor for time spent working on the site of the work.
- Drivers of a contractor or subcontractor for time spent loading and/or unloading materials and supplies on the site of the work, if such time is not de minimis. https://www.dol.gov/whd/FOH/FOH_Ch15.pdf
- Truck drivers transporting materials or supplies between a facility that is deemed part of the site of the work and the actual construction site.
- Truck drivers transporting portions of the building or work between a site established specifically for the performance of the contract where a significant portion of such building or work is constructed and the physical place where the building or work called for in the contract will remain.

Truck drivers are not covered by Davis-Bacon Minimum Wage Rates in the following circumstances:

- Material delivery truck drivers while off the site of the work.
- Drivers of a contractor or subcontractor traveling between a Davis-Bacon job and a commercial supply facility while they are off the site of the work.”
- Truck drivers whose time spent on the site of the work is de minimis, such as only a few minutes at a time merely to pick up or drop off materials or supplies.

Details are available online at:

<https://www.dol.gov/whd/recovery/pwrb/Tab9.pdf>

<https://wisconsindot.gov/Pages/doing-bus/civil-rights/labornwage/trckng.aspx>

III. POSTINGS AT THE SITE OF THE WORK

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

- a. A copy of the contractor's Equal Employment Opportunity Policy.

All required documents shall be posted by the first day of work and be accurate and complete. Postings must be readable, in an area where they will be noticed, and maintained until the last day of work.

IV. RESOURCES

Required information regarding compliance with federal provisions is found in the following resources:

- FHWA-1273 included in this contract
- U.S. Department of Labor Prevailing Wage Resource Book
- U.S. Department of Labor Field Operations Handbook
- U.S. Code of Federal Regulations
- Any applicable law, Act, or Executive Order enacted by the federal government at the time of the letting of this contract

"General Decision Number: WI20200010 01/24/2020

Superseded General Decision Number: WI20190010

State: Wisconsin

Construction Type: Highway

Counties: Wisconsin Statewide.

HIGHWAY, AIRPORT RUNWAY & TAXIWAY CONSTRUCTION PROJECTS (does not include bridges over navigable waters; tunnels; buildings in highway rest areas; and railroad construction)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020
1	01/24/2020

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

 BRWI0002-005 06/01/2019

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA,
 CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC,
 FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE,
 LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,
 OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK,
 SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA,
 WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.51	23.37

 BRWI0003-002 06/03/2019

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

 BRWI0004-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.43	25.10

 BRWI0006-002 06/01/2019

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
 ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.06	23.02

 BRWI0007-002 06/03/2019

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.57	24.22

 BRWI0008-002 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.93	24.22

BRWI0011-002 06/03/2019		

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0019-002 06/03/2019		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

BRWI0034-002 06/03/2019		

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

CARP0087-001 05/01/2016		

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

	Rates	Fringes
Carpenter & Piledrivermen.....	\$ 36.85	18.39

CARP0252-002 06/01/2016		

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO, BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except area bordering Michigan State Line), FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON, JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E. of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

Rates Fringes

CARPENTER

CARPENTER.....	\$ 33.56	18.00
MILLWRIGHT.....	\$ 35.08	18.35
PILEDRIVER.....	\$ 34.12	18.00

CARP0252-010 06/01/2016

ASHLAND COUNTY

	Rates	Fringes
Carpenters		
Carpenter.....	\$ 33.56	18.00
Millwright.....	\$ 35.08	18.35
Pile Driver.....	\$ 34.12	18.00

CARP0264-003 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 35.78	22.11

CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

CARP2337-001 06/01/2016

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIVERMAN		
Zone A.....	\$ 31.03	22.69
Zone B.....	\$ 31.03	22.69

ELEC0014-002 06/03/2019

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Maryville, Colby, Unity, Sherman, Fremont, Lynn & Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON, AND WASHBURN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.59	20.87

ELEC0014-007 06/03/2019		

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer Installer/Technician.....	\$ 27.25	14.34
<p>Low voltage construction, installation, maintenance and removal of teledata facilities (voice, data, and video) including outside plant, telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated systems digital network).</p>		

ELEC0127-002 06/01/2019		

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 40.49	30%+12.07

ELEC0158-002 06/03/2019		

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE (Wausaukee and area South thereof), OCONTO, MENOMINEE (East of a line 6 miles West of the West boundary of Oconto County), SHAWANO (Except Area North of Townships of Aniwa and Hutchins) COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.52	29.75%+10.26

ELEC0159-003 06/01/2019		

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and Emmet Townships), GREEN, LAKE (except Townships of Berlin, Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.30	22.24

ELEC0219-004 06/01/2016		

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern, Florence and Homestead) AND MARINETTE COUNTY (Township of Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over \$180,000.....	\$ 32.38	18.63
Electrical contracts under \$180,000.....	\$ 30.18	18.42

ELEC0242-005 05/16/2018		

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 36.85	26.17

ELEC0388-002 06/03/2019		

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.56	26%+11.01

* ELEC0430-002 01/01/2020		

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 40.30	22.19

ELEC0494-005 06/01/2019		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 41.03	25.11

ELEC0494-006 06/01/2019		

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 34.73	22.27

ELEC0494-013 06/01/2019

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 20.53	18.13
Technician.....	\$ 30.18	19.58

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

ELEC0577-003 06/01/2019

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.15	28.50%+10.00

ELEC0890-003 06/01/2019

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

Rates	Fringes
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Electricians:.....\$ 35.91 25.95%+10.83

ELEC0953-001 06/02/2019

	Rates	Fringes
Line Construction:		
(1) Lineman.....	\$ 47.53	31.5%+7.41
(2) Heavy Equipment Operator.....	\$ 45.15	31.5%+7.35
(3) Equipment Operator.....	\$ 38.02	31.5%+7.18
(4) Heavy Groundman Driver..	\$ 33.27	31.5%+7.06
(5) Light Groundman Driver..	\$ 30.89	31.5%+7.00
(6) Groundsman.....	\$ 26.14	31.5%+6.89

ENGI0139-005 06/03/2019

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.17	23.03
Group 2.....	\$ 40.67	23.03
Group 3.....	\$ 40.17	23.03
Group 4.....	\$ 39.91	23.03
Group 5.....	\$ 39.62	23.03
Group 6.....	\$ 33.72	23.03

HAZARDOUS WASTE PREMIUMS:

- EPA Level ""A"" protection - \$3.00 per hour
- EPA Level ""B"" protection - \$2.00 per hour
- EPA Level ""C"" protection - \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs; pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer;

bituminous paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender.

GROUP 6: Off-road material hauler with or without ejector.

 * IRON0008-002 06/01/2019

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 35.07	27.62

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

 * IRON0008-003 06/01/2019

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.12	27.87

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2019

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.50	26.57

IRON0498-005 06/01/2019

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 40.25	40.53

* IRON0512-008 06/03/2019

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.60	29.40

* IRON0512-021 06/03/2019

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	29.40

LAB00113-002 06/03/2019

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER Group 1.....	\$ 29.02	21.92

Group 2.....	\$ 29.17	21.92
Group 3.....	\$ 29.37	21.92
Group 4.....	\$ 29.52	21.92
Group 5.....	\$ 29.67	21.92
Group 6.....	\$ 25.51	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LAB00113-003 06/03/2019

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.27	21.92
Group 2.....	\$ 28.37	21.92
Group 3.....	\$ 28.42	21.92
Group 4.....	\$ 28.62	21.92
Group 5.....	\$ 28.47	21.92
Group 6.....	\$ 25.36	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

LAB00113-011 06/03/2019

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.08	21.92
Group 2.....	\$ 28.23	21.92
Group 3.....	\$ 28.43	21.92
Group 4.....	\$ 28.40	21.92
Group 5.....	\$ 28.73	21.92
Group 6.....	\$ 25.22	21.92

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

LAB00140-002 06/03/2019

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE,

OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.84	17.54
Group 2.....	\$ 32.94	17.54
Group 3.....	\$ 32.99	17.54
Group 4.....	\$ 33.19	17.54
Group 5.....	\$ 33.04	17.54
Group 6.....	\$ 29.47	17.54

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LAB00464-003 06/03/2019

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.12	17.54
Group 2.....	\$ 33.22	17.54
Group 3.....	\$ 33.27	17.54
Group 4.....	\$ 33.47	17.54
Group 5.....	\$ 33.32	17.54
Group 6.....	\$ 29.47	17.54

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;

Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

 PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 30.33	17.27
Spray, Sandblast, Steel....	\$ 30.93	17.27
Repaint:		
Brush, Roller.....	\$ 28.83	17.27
Spray, Sandblast, Steel....	\$ 29.43	17.27

 PAIN0108-002 06/01/2019

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 36.08	20.36
Spray & Sandblast.....	\$ 37.08	20.36

 PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, SAWYER, ST. CROIX, AND WASHBURN COUNTIES

	Rates	Fringes
PAINTER.....	\$ 24.11	12.15

 PAIN0259-004 05/01/2015

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPLEAU, AND VERNON COUNTIES

	Rates	Fringes
PAINTER.....	\$ 22.03	12.45

PAIN0781-002 06/01/2019		

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 33.30	23.86
Brush.....	\$ 32.95	23.86
Spray & Sandblast.....	\$ 33.70	23.86

PAIN0802-002 06/01/2019		

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND, ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush.....	\$ 30.93	18.44
PREMIUM PAY:		
Structural Steel, Spray, Bridges = \$1.00 additional per hour.		

PAIN0802-003 06/01/2019		

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER.....	\$ 30.93	18.58

PAIN0934-001 06/01/2017		

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 33.74	18.95
Spray.....	\$ 34.74	18.95
Structural Steel.....	\$ 33.89	18.95

PAIN1011-002 06/02/2019

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 25.76	13.33

PLAS0599-010 06/01/2017

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area 1.....	\$ 39.46	17.17
Area 2 (BAC).....	\$ 35.07	19.75
Area 3.....	\$ 35.61	19.40
Area 4.....	\$ 34.70	20.51
Area 5.....	\$ 36.27	18.73
Area 6.....	\$ 32.02	22.99

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPPEALEAU, AND VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2019

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 29.57	22.03
3 or more Axles; Euclids Dumptor & Articulated, Truck Mechanic.....	\$ 29.72	22.03

WELL DRILLER.....\$ 16.52 3.70

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1,

2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

August 2018

**NOTICE TO BIDDERS
WAGE RATE DECISION**

The wage rate decision of the Department of Labor which has been incorporated in these advertised specifications is incomplete in that the classifications may be omitted from the Department of Labor's decision.

Since the bidder is responsible, independently, for ascertaining area practice with respect to the necessity, or lack of necessity, for the use of these classifications in the prosecution of the work contemplated by this project, no inference may be drawn from the omission of these classifications concerning prevailing area practices relative to their use. Further, this omission will not, per se, be construed as establishing any governmental liability for increased labor cost if it is subsequently determined that such classifications are required.

There may be omissions and/or errors in the federal wage rates. The bidder is responsible for evaluating and determining the correct applicable rate.

If a project includes multiple types of construction (highway, bridge over navigable water, sanitary sewer and water main, building) and there is not a separate wage determination for this type of work included in the proposal, use the wage determination that is in the proposal.

If a project includes multiple types of construction, different wage rate determinations may be inserted into the contract (WI10/Highway = in all WisDOT highway contracts, WI15/Heavy = bridge over navigable water per USDOL and US Coast Guard designation, WI8/Heavy (Sewer & Water Line & Tunnel) = sanitary sewer and water main if the cost is more than 20% of the contract and/or at least \$1,000,000, and Building). If multiple wage rate determinations are inserted into the contract, use the classification in the wage determination for the work being done. Use WI15 wage rates when working on the bridge and/or structure from bank to bank. Use WI8 wage rates when working on any sanitary sewer or water main work. Use Building wage rates for all work done within the footprint of the building. Use WI10 wage rates for all other highway work in the contract and approaches to structures. For example, if a laborer is working within the footprint of a building, use the Laborer rate in the Building wage determination inserted in the contract. If a laborer is working on a bridge/structure within the banks, use the Laborer rate in the WI15/Heavy wage determination if inserted in the contract. If the laborer is working on the highway, use the Laborer rate in the WI10/Highway wage determination.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

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	108.4300 RBC Progress Schedule	1.000 EACH	_____.	_____.
0004	201.0105 Clearing	240.000 STA	_____.	_____.
0006	201.0120 Clearing	0.600 ID	_____.	_____.
0008	201.0205 Grubbing	240.000 STA	_____.	_____.
0010	201.0220 Grubbing	0.600 ID	_____.	_____.
0012	203.0100 Removing Small Pipe Culverts	108.000 EACH	_____.	_____.
0014	203.0200 Removing Old Structure (station) 01. Station 573+00	LS	LUMP SUM	_____.
0016	203.0200 Removing Old Structure (station) 02. Station 467+70	LS	LUMP SUM	_____.
0018	203.0200 Removing Old Structure (station) 03. Station 588+40	LS	LUMP SUM	_____.
0020	204.0100 Removing Pavement	3,164.000 SY	_____.	_____.
0022	204.0110 Removing Asphaltic Surface	482.000 SY	_____.	_____.
0024	204.0115 Removing Asphaltic Surface Butt Joints	2,167.000 SY	_____.	_____.
0026	204.0120 Removing Asphaltic Surface Milling	16,252.000 SY	_____.	_____.
0028	204.0150 Removing Curb & Gutter	1,791.000 LF	_____.	_____.
0030	204.0165 Removing Guardrail	742.000 LF	_____.	_____.
0032	204.0170 Removing Fence	1,990.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

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	204.0180 Removing Delineators and Markers	66.000 EACH	_____.	_____.
0036	204.0190 Removing Surface Drains	2.000 EACH	_____.	_____.
0038	204.0225 Removing Septic Tanks	1.000 EACH	_____.	_____.
0040	204.0230 Removing Building (station) 01. Station 731+25	LS	LUMP SUM	_____.
0042	204.0230 Removing Building (station) 02. Station 389+25	LS	LUMP SUM	_____.
0044	204.0235 Removing Buildings (parcel) 01. Parcel 152	LS	LUMP SUM	_____.
0046	204.0240 Site Clearance (parcel) 01. Parcel 152	LS	LUMP SUM	_____.
0048	204.0240 Site Clearance (parcel) 02. Parcel 114	LS	LUMP SUM	_____.
0050	204.9060.S Removing (item description) 01. Height Modernization Geodetic Survey Monument	1.000 EACH	_____.	_____.
0052	205.0100 Excavation Common	712,882.000 CY	_____.	_____.
0054	205.0300 Excavation Stone Piles and Stone Fences	25.000 CY	_____.	_____.
0056	205.0400 Excavation Marsh	30,346.000 CY	_____.	_____.
0058	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	150.000 TON	_____.	_____.
0060	206.1000 Excavation for Structures Bridges (structure) 01. B-20-0205	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0062	206.1000 Excavation for Structures Bridges (structure) 02. B-20-0215	LS	LUMP SUM	_____.
0064	206.1000 Excavation for Structures Bridges (structure) 03. B-20-0218	LS	LUMP SUM	_____.
0066	208.1100 Select Borrow	85,682.000 CY	_____.	_____.
0068	210.1100 Backfill Structure Type A	1,512.000 CY	_____.	_____.
0070	213.0100 Finishing Roadway (project) 01. 1440-15-72	1.000 EACH	_____.	_____.
0072	213.0100 Finishing Roadway (project) 02. 1440-15-73	1.000 EACH	_____.	_____.
0074	214.0100 Obliterating Old Road	8.000 STA	_____.	_____.
0076	305.0110 Base Aggregate Dense 3/4-Inch	26,122.000 TON	_____.	_____.
0078	305.0120 Base Aggregate Dense 1 1/4-Inch	281,104.000 TON	_____.	_____.
0080	312.0110 Select Crushed Material	266,848.000 TON	_____.	_____.
0082	405.0100 Coloring Concrete WisDOT Red	240.000 CY	_____.	_____.
0084	415.0090 Concrete Pavement 9-Inch	141,097.000 SY	_____.	_____.
0086	415.0210 Concrete Pavement Gaps	25.000 EACH	_____.	_____.
0088	415.5110.S Concrete Pavement Joint Layout	1.000 LS	_____.	_____.
0090	416.0512 Concrete Truck Apron 12-Inch	700.000 SY	_____.	_____.
0092	416.1110 Concrete Shoulder Rumble Strips	41,567.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0094	455.0605 Tack Coat	9,827.000 GAL		
0096	460.2000 Incentive Density HMA Pavement	24,310.000 DOL	1.00000	24,310.00
0098	460.5223 HMA Pavement 3 LT 58-28 S	11,806.000 TON		
0100	460.5224 HMA Pavement 4 LT 58-28 S	10,946.000 TON		
0102	460.5424 HMA Pavement 4 LT 58-28 H	5,582.000 TON		
0104	460.6223 HMA Pavement 3 MT 58-28 S	8,852.000 TON		
0106	460.6224 HMA Pavement 4 MT 58-28 S	5,070.000 TON		
0108	465.0105 Asphaltic Surface	6,956.000 TON		
0110	465.0120 Asphaltic Surface Driveways and Field Entrances	297.000 TON		
0112	465.0125 Asphaltic Surface Temporary	2,217.000 TON		
0114	465.0315 Asphaltic Flumes	593.000 SY		
0116	465.0400 Asphaltic Shoulder Rumble Strips	70,800.000 LF		
0118	502.0100 Concrete Masonry Bridges	1,553.000 CY		
0120	502.3200 Protective Surface Treatment	2,333.000 SY		
0122	502.3210 Pigmented Surface Sealer	325.000 SY		
0124	503.0137 Prestressed Girder Type I 36W-Inch	325.000 LF		



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0126	503.0155 Prestressed Girder Type I 54W-Inch	1,846.000 LF	_____	_____
0128	504.0900 Concrete Masonry Endwalls	53.000 CY	_____	_____
0130	505.0400 Bar Steel Reinforcement HS Structures	28,570.000 LB	_____	_____
0132	505.0600 Bar Steel Reinforcement HS Coated Structures	224,280.000 LB	_____	_____
0134	505.0800.S Bar Steel Reinforcement HS Stainless Structures	1,600.000 LB	_____	_____
0136	506.2605 Bearing Pads Elastomeric Non-Laminated	42.000 EACH	_____	_____
0138	506.4000 Steel Diaphragms (structure) 01. B-20-0205	4.000 EACH	_____	_____
0140	506.4000 Steel Diaphragms (structure) 02. B-20-0218	28.000 EACH	_____	_____
0142	509.5100.S Polymer Overlay	505.000 SY	_____	_____
0144	511.1100 Temporary Shoring	3,200.000 SF	_____	_____
0146	513.7016 Railing Steel Type C3 01. B-20-0215	142.000 LF	_____	_____
0148	516.0500 Rubberized Membrane Waterproofing	80.000 SY	_____	_____
0150	520.1012 Apron Endwalls for Culvert Pipe 12-Inch	6.000 EACH	_____	_____
0152	520.1018 Apron Endwalls for Culvert Pipe 18-Inch	8.000 EACH	_____	_____
0154	520.1024 Apron Endwalls for Culvert Pipe 24-Inch	126.000 EACH	_____	_____



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0156	520.1030 Apron Endwalls for Culvert Pipe 30-Inch	14.000 EACH	_____.	_____.
0158	520.1036 Apron Endwalls for Culvert Pipe 36-Inch	16.000 EACH	_____.	_____.
0160	520.1042 Apron Endwalls for Culvert Pipe 42-Inch	10.000 EACH	_____.	_____.
0162	520.1054 Apron Endwalls for Culvert Pipe 54-Inch	14.000 EACH	_____.	_____.
0164	520.2024 Culvert Pipe Temporary 24-Inch	1,604.000 LF	_____.	_____.
0166	520.3142 Culvert Pipe Class III 42-Inch	71.000 LF	_____.	_____.
0168	520.3154 Culvert Pipe Class III 54-Inch	173.000 LF	_____.	_____.
0170	520.3318 Culvert Pipe Class III-A 18-Inch	254.000 LF	_____.	_____.
0172	520.3324 Culvert Pipe Class III-A 24-Inch	3,218.000 LF	_____.	_____.
0174	520.3330 Culvert Pipe Class III-A 30-Inch	433.000 LF	_____.	_____.
0176	520.3336 Culvert Pipe Class III-A 36-Inch	398.000 LF	_____.	_____.
0178	520.4142 Culvert Pipe Class IV 42-Inch	208.000 LF	_____.	_____.
0180	520.4154 Culvert Pipe Class IV 54-Inch	87.000 LF	_____.	_____.
0182	520.4160 Culvert Pipe Class IV 60-Inch	142.000 LF	_____.	_____.
0184	520.8000 Concrete Collars for Pipe	19.000 EACH	_____.	_____.
0186	521.1735 Apron Endwalls for Pipe Arch Sloped Side Drains Steel 35x24-Inch 6 to 1	2.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0188	521.2005.S Surface Drain Pipe Corrugated Metal Slotted (inch) 01. 18-Inch	944.000 LF	_____.	_____.
0190	521.3735 Pipe Arch Corrugated Steel 35x24-Inch	38.000 LF	_____.	_____.
0192	522.0112 Culvert Pipe Reinforced Concrete Class III 12-Inch	99.000 LF	_____.	_____.
0194	522.0118 Culvert Pipe Reinforced Concrete Class III 18-Inch	142.000 LF	_____.	_____.
0196	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	2,898.000 LF	_____.	_____.
0198	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch	943.000 LF	_____.	_____.
0200	522.0136 Culvert Pipe Reinforced Concrete Class III 36-Inch	628.000 LF	_____.	_____.
0202	522.0142 Culvert Pipe Reinforced Concrete Class III 42-Inch	149.000 LF	_____.	_____.
0204	522.0148 Culvert Pipe Reinforced Concrete Class III 48-Inch	200.000 LF	_____.	_____.
0206	522.0154 Culvert Pipe Reinforced Concrete Class III 54-Inch	906.000 LF	_____.	_____.
0208	522.0424 Culvert Pipe Reinforced Concrete Class IV 24-Inch	650.000 LF	_____.	_____.
0210	522.0430 Culvert Pipe Reinforced Concrete Class IV 30-Inch	282.000 LF	_____.	_____.
0212	522.0436 Culvert Pipe Reinforced Concrete Class IV 36-Inch	203.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0214	522.0460 Culvert Pipe Reinforced Concrete Class IV 60-Inch	382.000 LF	_____.	_____.
0216	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	8.000 EACH	_____.	_____.
0218	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	36.000 EACH	_____.	_____.
0220	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	10.000 EACH	_____.	_____.
0222	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	6.000 EACH	_____.	_____.
0224	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	1.000 EACH	_____.	_____.
0226	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	2.000 EACH	_____.	_____.
0228	522.1054 Apron Endwalls for Culvert Pipe Reinforced Concrete 54-Inch	3.000 EACH	_____.	_____.
0230	522.2319 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	521.000 LF	_____.	_____.
0232	522.2324 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	190.000 LF	_____.	_____.
0234	522.2338 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	104.000 LF	_____.	_____.
0236	522.2419 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	63.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0238	522.2424 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	62.000 LF	_____.	_____.
0240	522.2619 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	17.000 EACH	_____.	_____.
0242	522.2624 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	10.000 EACH	_____.	_____.
0244	522.2638 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 38x60-Inch	8.000 EACH	_____.	_____.
0246	524.0142 Culvert Pipe Salvaged 42-Inch	40.000 LF	_____.	_____.
0248	524.0154 Culvert Pipe Salvaged 54-Inch	24.000 LF	_____.	_____.
0250	524.0642 Apron Endwalls for Culvert Pipe Salvaged 42-Inch	2.000 EACH	_____.	_____.
0252	524.0654 Apron Endwalls for Culvert Pipe Salvaged 54-Inch	1.000 EACH	_____.	_____.
0254	550.1100 Piling Steel HP 10-Inch X 42 Lb	1,910.000 LF	_____.	_____.
0256	601.0405 Concrete Curb & Gutter 18-Inch Type A	430.000 LF	_____.	_____.
0258	601.0411 Concrete Curb & Gutter 30-Inch Type D	3,790.000 LF	_____.	_____.
0260	601.0413 Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	368.000 LF	_____.	_____.
0262	601.0553 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	2,860.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0264	601.0555 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	2,172.000 LF	_____.	_____.
0266	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	5,944.000 LF	_____.	_____.
0268	601.0580 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	600.000 LF	_____.	_____.
0270	601.0600 Concrete Curb Pedestrian	85.000 LF	_____.	_____.
0272	602.0405 Concrete Sidewalk 4-Inch	14,515.000 SF	_____.	_____.
0274	602.0505 Curb Ramp Detectable Warning Field Yellow	364.000 SF	_____.	_____.
0276	603.8000 Concrete Barrier Temporary Precast Delivered	700.000 LF	_____.	_____.
0278	603.8125 Concrete Barrier Temporary Precast Installed	700.000 LF	_____.	_____.
0280	604.0500 Slope Paving Crushed Aggregate	855.000 SY	_____.	_____.
0282	606.0100 Riprap Light	1,134.000 CY	_____.	_____.
0284	606.0200 Riprap Medium	2,046.000 CY	_____.	_____.
0286	606.0300 Riprap Heavy	327.000 CY	_____.	_____.
0288	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	1,142.000 LF	_____.	_____.
0290	611.0535 Manhole Covers Type J-Special	1.000 EACH	_____.	_____.
0292	611.0612 Inlet Covers Type C	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0294	611.0615 Inlet Covers Type F	18.000 EACH	_____.	_____.
0296	611.0624 Inlet Covers Type H	12.000 EACH	_____.	_____.
0298	611.0627 Inlet Covers Type HM	8.000 EACH	_____.	_____.
0300	611.0636 Inlet Covers Type HM-S	4.000 EACH	_____.	_____.
0302	611.0642 Inlet Covers Type MS	70.000 EACH	_____.	_____.
0304	611.0652 Inlet Covers Type T	4.000 EACH	_____.	_____.
0306	611.2005 Manholes 5-FT Diameter	2.000 EACH	_____.	_____.
0308	611.2006 Manholes 6-FT Diameter	2.000 EACH	_____.	_____.
0310	611.3004 Inlets 4-FT Diameter	15.000 EACH	_____.	_____.
0312	611.3230 Inlets 2x3-FT	16.000 EACH	_____.	_____.
0314	611.3253 Inlets 2.5x3-FT	11.000 EACH	_____.	_____.
0316	611.3902 Inlets Median 2 Grate	33.000 EACH	_____.	_____.
0318	611.3904 Inlets Median 4 Grate	1.000 EACH	_____.	_____.
0320	612.0204 Pipe Underdrain Unperforated 4-Inch	1,473.000 LF	_____.	_____.
0322	612.0406 Pipe Underdrain Wrapped 6-Inch	536.000 LF	_____.	_____.
0324	612.0700 Drain Tile Exploration	100.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0326	612.0804 Apron Endwalls for Underdrain Reinforced Concrete 4-Inch	77.000 EACH	_____.	_____.
0328	614.0150 Anchor Assemblies for Steel Plate Beam Guard	8.000 EACH	_____.	_____.
0330	614.0200 Steel Thrie Beam Structure Approach	92.000 LF	_____.	_____.
0332	614.0220 Steel Thrie Beam Bullnose Terminal	1.000 EACH	_____.	_____.
0334	614.0305 Steel Plate Beam Guard Class A	780.000 LF	_____.	_____.
0336	614.0370 Steel Plate Beam Guard Energy Absorbing Terminal	4.000 EACH	_____.	_____.
0338	614.0905 Crash Cushions Temporary	4.000 EACH	_____.	_____.
0340	614.2300 MGS Guardrail 3	100.000 LF	_____.	_____.
0342	614.2620 MGS Guardrail Terminal Type 2	8.000 EACH	_____.	_____.
0344	616.0100 Fence Woven Wire (height) 01. 4-Ft	69,102.000 LF	_____.	_____.
0346	618.0100 Maintenance And Repair of Haul Roads (project) 01. 1440-15-72	1.000 EACH	_____.	_____.
0348	618.0100 Maintenance And Repair of Haul Roads (project) 02. 1440-15-73	1.000 EACH	_____.	_____.
0350	619.1000 Mobilization	1.000 EACH	_____.	_____.
0352	620.0300 Concrete Median Sloped Nose	319.000 SF	_____.	_____.
0354	623.0200 Dust Control Surface Treatment	45,420.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0356	624.0100 Water	4,934.000 MGAL	_____	_____
0358	625.0500 Salvaged Topsoil	998,676.000 SY	_____	_____
0360	627.0200 Mulching	763,900.000 SY	_____	_____
0362	628.1104 Erosion Bales	500.000 EACH	_____	_____
0364	628.1504 Silt Fence	34,658.000 LF	_____	_____
0366	628.1520 Silt Fence Maintenance	18,561.000 LF	_____	_____
0368	628.1905 Mobilizations Erosion Control	33.000 EACH	_____	_____
0370	628.1910 Mobilizations Emergency Erosion Control	19.000 EACH	_____	_____
0372	628.2004 Erosion Mat Class I Type B	209,427.000 SY	_____	_____
0374	628.2006 Erosion Mat Urban Class I Type A	67,600.000 SY	_____	_____
0376	628.2008 Erosion Mat Urban Class I Type B	4,290.000 SY	_____	_____
0378	628.2027 Erosion Mat Class II Type C	24,500.000 SY	_____	_____
0380	628.6510 Soil Stabilizer Type B	7.000 ACRE	_____	_____
0382	628.7005 Inlet Protection Type A	79.000 EACH	_____	_____
0384	628.7015 Inlet Protection Type C	30.000 EACH	_____	_____
0386	628.7020 Inlet Protection Type D	23.000 EACH	_____	_____
0388	628.7504 Temporary Ditch Checks	5,911.000 LF	_____	_____



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0390	628.7515.S Stone or Rock Ditch Checks	19.000 CY	_____	_____
0392	628.7555 Culvert Pipe Checks	786.000 EACH	_____	_____
0394	628.7560 Tracking Pads	15.000 EACH	_____	_____
0396	628.7570 Rock Bags	235.000 EACH	_____	_____
0398	629.0210 Fertilizer Type B	640.000 CWT	_____	_____
0400	630.0120 Seeding Mixture No. 20	16,298.000 LB	_____	_____
0402	630.0130 Seeding Mixture No. 30	7,105.000 LB	_____	_____
0404	630.0140 Seeding Mixture No. 40	82.000 LB	_____	_____
0406	630.0200 Seeding Temporary	24,733.000 LB	_____	_____
0408	630.0300 Seeding Borrow Pit	1,200.000 LB	_____	_____
0410	630.0500 Seed Water	2,672.000 MGAL	_____	_____
0412	633.0100 Delineator Posts Steel	182.000 EACH	_____	_____
0414	633.0500 Delineator Reflectors	182.000 EACH	_____	_____
0416	633.1100 Delineators Temporary	134.000 EACH	_____	_____
0418	633.5200 Markers Culvert End	189.000 EACH	_____	_____
0420	634.0614 Posts Wood 4x6-Inch X 14-FT	217.000 EACH	_____	_____
0422	634.0616 Posts Wood 4x6-Inch X 16-FT	157.000 EACH	_____	_____



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0424	634.0618 Posts Wood 4x6-Inch X 18-FT	16.000 EACH	_____.	_____.
0426	634.0620 Posts Wood 4x6-Inch X 20-FT	6.000 EACH	_____.	_____.
0428	635.0200 Sign Supports Structural Steel HS	5,252.000 LB	_____.	_____.
0430	636.0100 Sign Supports Concrete Masonry	8.800 CY	_____.	_____.
0432	636.0500 Sign Supports Steel Reinforcement	1,288.000 LB	_____.	_____.
0434	637.1220 Signs Type I Reflective SH	550.000 SF	_____.	_____.
0436	637.2210 Signs Type II Reflective H	3,961.870 SF	_____.	_____.
0438	637.2220 Signs Type II Reflective SH	20.250 SF	_____.	_____.
0440	637.2230 Signs Type II Reflective F	273.750 SF	_____.	_____.
0442	638.2602 Removing Signs Type II	107.000 EACH	_____.	_____.
0444	638.3000 Removing Small Sign Supports	113.000 EACH	_____.	_____.
0446	642.5201 Field Office Type C	1.000 EACH	_____.	_____.
0448	643.0300 Traffic Control Drums	504,026.000 DAY	_____.	_____.
0450	643.0420 Traffic Control Barricades Type III	119,382.000 DAY	_____.	_____.
0452	643.0705 Traffic Control Warning Lights Type A	234,664.000 DAY	_____.	_____.
0454	643.0715 Traffic Control Warning Lights Type C	10,235.000 DAY	_____.	_____.
0456	643.0800 Traffic Control Arrow Boards	94.000 DAY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0458	643.0900 Traffic Control Signs	187,905.000 DAY	_____.	_____.
0460	643.0920 Traffic Control Covering Signs Type II	8.000 EACH	_____.	_____.
0462	643.1050 Traffic Control Signs PCMS	259.000 DAY	_____.	_____.
0464	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0466	645.0111 Geotextile Type DF Schedule A	258.000 SY	_____.	_____.
0468	645.0120 Geotextile Type HR	5,512.000 SY	_____.	_____.
0470	645.0130 Geotextile Type R	6,918.000 SY	_____.	_____.
0472	645.0140 Geotextile Type SAS	90.000 SY	_____.	_____.
0474	646.1020 Marking Line Epoxy 4-Inch	72,698.000 LF	_____.	_____.
0476	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	103,504.000 LF	_____.	_____.
0478	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	12,787.000 LF	_____.	_____.
0480	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	16,590.000 LF	_____.	_____.
0482	646.6220 Marking Yield Line Epoxy 18-Inch	4.000 EACH	_____.	_____.
0484	646.6320 Marking Dotted Extension Epoxy 18-Inch	115.000 LF	_____.	_____.
0486	646.7120 Marking Diagonal Epoxy 12-Inch	1,213.000 LF	_____.	_____.
0488	646.7220 Marking Chevron Epoxy 24-Inch	1,496.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0490	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	305.000 LF	_____.	_____.
0492	646.8120 Marking Curb Epoxy	480.000 LF	_____.	_____.
0494	646.8220 Marking Island Nose Epoxy	10.000 EACH	_____.	_____.
0496	646.8320 Marking Parking Stall Epoxy	1,512.000 LF	_____.	_____.
0498	649.0105 Temporary Marking Line Paint 4-Inch	92,195.000 LF	_____.	_____.
0500	649.0150 Temporary Marking Line Removable Tape 4-Inch	11,674.000 LF	_____.	_____.
0502	649.0760 Temporary Marking Raised Pavement Marker Type I	357.000 EACH	_____.	_____.
0504	650.4000 Construction Staking Storm Sewer	36.000 EACH	_____.	_____.
0506	650.4500 Construction Staking Subgrade	85,947.000 LF	_____.	_____.
0508	650.5000 Construction Staking Base	85,947.000 LF	_____.	_____.
0510	650.5500 Construction Staking Curb Gutter and Curb & Gutter	16,231.000 LF	_____.	_____.
0512	650.6000 Construction Staking Pipe Culverts	113.000 EACH	_____.	_____.
0514	650.6500 Construction Staking Structure Layout (structure) 01. B-20-0205	LS	LUMP SUM	_____.
0516	650.6500 Construction Staking Structure Layout (structure) 02. B-20-0215	LS	LUMP SUM	_____.
0518	650.6500 Construction Staking Structure Layout (structure) 03. B-20-0218	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0520	650.7000 Construction Staking Concrete Pavement	43,772.000 LF	_____.	_____.
0522	650.8000 Construction Staking Resurfacing Reference	8,264.000 LF	_____.	_____.
0524	650.9910 Construction Staking Supplemental Control (project) 01. 1440-15-72	LS	LUMP SUM	_____.
0526	650.9910 Construction Staking Supplemental Control (project) 02. 1440-15-73	LS	LUMP SUM	_____.
0528	650.9920 Construction Staking Slope Stakes	85,947.000 LF	_____.	_____.
0530	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	6,840.000 LF	_____.	_____.
0532	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	590.000 LF	_____.	_____.
0534	652.0615 Conduit Special 3-Inch	1,180.000 LF	_____.	_____.
0536	653.0164 Pull Boxes Non-Conductive 24x42-Inch	53.000 EACH	_____.	_____.
0538	654.0105 Concrete Bases Type 5	31.000 EACH	_____.	_____.
0540	654.0220 Concrete Control Cabinet Bases Type 10	5.000 EACH	_____.	_____.
0542	655.0610 Electrical Wire Lighting 12 AWG	5,250.000 LF	_____.	_____.
0544	655.0615 Electrical Wire Lighting 10 AWG	33,310.000 LF	_____.	_____.
0546	656.0200 Electrical Service Meter Breaker Pedestal (location) 01. Loehr Rd & STH 23	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0548	656.0200 Electrical Service Meter Breaker Pedestal (location) 02. Seven Hills Road & STH 23	LS	LUMP SUM	_____.
0550	656.0200 Electrical Service Meter Breaker Pedestal (location) 03. Park & Ride	LS	LUMP SUM	_____.
0552	656.0200 Electrical Service Meter Breaker Pedestal (location) 04. CTH G & EB STH 23	LS	LUMP SUM	_____.
0554	656.0200 Electrical Service Meter Breaker Pedestal (location) 05. CTH G & WB STH 23	LS	LUMP SUM	_____.
0556	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	31.000 EACH	_____.	_____.
0558	657.0322 Poles Type 5-Aluminum	31.000 EACH	_____.	_____.
0560	657.0710 Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	35.000 EACH	_____.	_____.
0562	659.1115 Luminaires Utility LED A	35.000 EACH	_____.	_____.
0564	690.0150 Sawing Asphalt	10,000.000 LF	_____.	_____.
0566	715.0415 Incentive Strength Concrete Pavement	42,300.000 DOL	1.00000	42,300.00
0568	715.0502 Incentive Strength Concrete Structures	9,318.000 DOL	1.00000	9,318.00
0570	715.0710 Optimized Aggregate Gradation Incentive	130,160.000 DOL	1.00000	130,160.00
0572	740.0440 Incentive IRI Ride	33,160.000 DOL	1.00000	33,160.00
0574	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,100.000 HRS	5.00000	10,500.00



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0576	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	5,760.000 HRS	5.00000	28,800.00
0578	SPV.0005 Special 01. Select Clearing And Grubbing	0.500 ACRE	_____.	_____.
0580	SPV.0005 Special 02. Preparation Of Upland Topsoil	8.200 ACRE	_____.	_____.
0582	SPV.0035 Special 01. Roadway Embankment	841,078.000 CY	_____.	_____.
0584	SPV.0035 Special 02. Foundation Backfill	697.000 CY	_____.	_____.
0586	SPV.0035 Special 03. Excavation Common Mitigation Site	301,702.000 CY	_____.	_____.
0588	SPV.0060 Special 01. Temporary Slope Drain	8.000 EACH	_____.	_____.
0590	SPV.0060 Special 02. Temporary Stone Ditch Checks	120.000 EACH	_____.	_____.
0592	SPV.0060 Special 03. Temporary Sand Bag Dike	5.000 EACH	_____.	_____.
0594	SPV.0060 Special 07. Vertical Impact Recovery Panels	40.000 EACH	_____.	_____.
0596	SPV.0060 Special 08. Vertical Impact Recovery Panel Bases	40.000 EACH	_____.	_____.
0598	SPV.0060 Special 09. Gates Wood Double Leaf 20-Foot	2.000 EACH	_____.	_____.
0600	SPV.0085 Special 01. Seeding Upland Buffer	350.000 LB	_____.	_____.
0602	SPV.0085 Special 02. Seeding Wet Meadow And Shallow Marsh Mix	250.000 LB	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0604	SPV.0085 Special 03. Low Maintenance Seed Mix	18.000 LB	_____.	_____.
0606	SPV.0090 Special 01. Fence Chain Link Polymer-Coated 6-Ft	530.000 LF	_____.	_____.
0608	SPV.0090 Special 02. Removing Centerline Rumble Strips	30,900.000 LF	_____.	_____.
0610	SPV.0090 Special 03. Relapping Steel Plate Beam Guard	484.000 LF	_____.	_____.
0612	SPV.0090 Special 04. Concrete Barrier Temporary Precast Anchoring	400.000 LF	_____.	_____.
0614	SPV.0090 Special 05. Concrete Curb & Gutter 30-Inch Type D Reinforced	140.000 LF	_____.	_____.
0616	SPV.0105 Special 01. Construction Staking Wetland Site	LS	LUMP SUM	_____.
0618	SPV.0105 Special 02. Temporary Bypass Channel, STA 572+65	LS	LUMP SUM	_____.
0620	SPV.0105 Special 03. Temporary Bypass Channel, STA 588+75 - STA 603+07	LS	LUMP SUM	_____.
0622	SPV.0165 Special 01. Concrete Sidewalk 6-Inch Reinforced	690.000 SF	_____.	_____.
0624	SPV.0180 Special 02. Salvaged Topsoil 12-Inch	240,500.000 SY	_____.	_____.
0626	SPV.0180 Special 03. Salvaged Topsoil Over Riprap	2,465.000 SY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

PLEASE ATTACH SCHEDULE OF ITEMS HERE



Wisconsin Department of Transportation

March 2, 2020

**Division of Transportation Systems
Development**

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Federal Wage Rate Addendum #01

Letting of March 10, 2020

Attached is a copy of the revised WI 10 Highway Davis Bacon Prevailing Wage Rates that are included in proposals 01 – 03, 05 – 14, 18 – 23, and 25 – 41; WI 8 Heavy (Sewer & Water Line & Tunnel) Davis Bacon Prevailing Wage Rates that are included in proposals 05 and 39; and WI 15 Heavy Davis Bacon Prevailing Wage Rates that are included in proposal 22. These wage rates are effective for all proposals they are included in in the March 10, 2020 letting. The updated wage rates are dated February 28, 2020 and are effective on or after March 9, 2020.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractors.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

"General Decision Number: WI20200010 02/28/2020

Superseded General Decision Number: WI20190010

State: Wisconsin

Construction Type: Highway

Counties: Wisconsin Statewide.

HIGHWAY, AIRPORT RUNWAY & TAXIWAY CONSTRUCTION PROJECTS (does not include bridges over navigable waters; tunnels; buildings in highway rest areas; and railroad construction)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020
1	01/24/2020
2	02/28/2020

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

BRWI0002-005 06/01/2019

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA,
CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC,
FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE,
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,
OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK,
SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA,
WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.51	23.37

BRWI0003-002 06/03/2019

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.43	25.10

BRWI0006-002 06/01/2019

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.06	23.02

BRWI0007-002 06/03/2019		

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.57	24.22

BRWI0008-002 06/01/2019		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.93	24.22

BRWI0011-002 06/03/2019		

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0019-002 06/03/2019		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

BRWI0034-002 06/03/2019		

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

CARP0087-001 05/01/2016		

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

	Rates	Fringes
Carpenter & Piledrivermen.....	\$ 36.85	18.39

 CARP0252-002 06/01/2016

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO, BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except area bordering Michigan State Line), FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON, JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E. of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CARPENTER		
CARPENTER.....	\$ 33.56	18.00
MILLWRIGHT.....	\$ 35.08	18.35
PILEDRIVER.....	\$ 34.12	18.00

 CARP0252-010 06/01/2016

ASHLAND COUNTY

	Rates	Fringes
Carpenters		
Carpenter.....	\$ 33.56	18.00
Millwright.....	\$ 35.08	18.35
Pile Driver.....	\$ 34.12	18.00

 CARP0264-003 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 35.78	22.11

CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

CARP2337-001 06/01/2016

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIVERMAN		
Zone A.....	\$ 31.03	22.69
Zone B.....	\$ 31.03	22.69

ELEC0014-002 06/03/2019

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK
(except Maryville, Colby, Unity, Sherman, Fremont, Lynn &
Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA
CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST
CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON, AND WASHBURN
COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.59	20.87

ELEC0014-007 06/03/2019

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician.....	\$ 27.25	14.34

Low voltage construction, installation, maintenance and
removal of teledata facilities (voice, data, and video)
including outside plant, telephone and data inside wire,
interconnect, terminal equipment, central offices, PABX,
fiber optic cable and equipment, micro waves, V-SAT,

bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated systems digital network).

 ELEC0127-002 06/01/2019

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 40.49	30%+12.07

 ELEC0158-002 06/03/2019

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig),
 MARINETTE(Wausaukee and area South thereof), OCONTO, MENOMINEE
 (East of a line 6 miles West of the West boundary of Oconto
 County), SHAWANO (Except Area North of Townships of Aniwa and
 Hutchins) COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.52	29.75%+10.26

 ELEC0159-003 06/01/2019

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and
 Emmet Townships), GREEN, LAKE (except Townships of Berlin,
 Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of
 Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK
 COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.30	22.24

 ELEC0219-004 06/01/2016

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern,
 Florence and Homestead) AND MARINETTE COUNTY (Township of
 Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over		
\$180,000.....	\$ 32.38	18.63

Electrical contracts under
 \$180,000.....\$ 30.18 18.42

 ELEC0242-005 05/16/2018

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 36.85	26.17

 ELEC0388-002 06/03/2019

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.56	26%+11.01

 ELEC0430-002 01/01/2020

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 40.30	22.19

 ELEC0494-005 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 41.03	25.11

 ELEC0494-006 06/01/2019

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
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Electricians:.....\$ 34.73 22.27

ELEC0494-013 06/01/2019

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

Sound & Communications

Installer.....\$ 20.53 18.13
Technician.....\$ 30.18 19.58

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

ELEC0577-003 06/01/2019

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

Rates Fringes

Electricians:.....\$ 33.15 28.50%+10.00

ELEC0890-003 06/01/2019

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,
 RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.91	25.95%+10.83

 * ELEC0953-001 06/02/2019

	Rates	Fringes
Line Construction:		
(1) Lineman.....	\$ 47.53	21.43
(2) Heavy Equipment Operator.....	\$ 42.78	19.80
(3) Equipment Operator.....	\$ 38.02	18.40
(4) Heavy Groundman Driver..	\$ 33.27	16.88
(5) Light Groundman Driver..	\$ 30.89	16.11
(6) Groundsman.....	\$ 26.14	14.60

 ENGI0139-005 06/03/2019

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.17	23.03
Group 2.....	\$ 40.67	23.03
Group 3.....	\$ 40.17	23.03
Group 4.....	\$ 39.91	23.03
Group 5.....	\$ 39.62	23.03
Group 6.....	\$ 33.72	23.03

HAZARDOUS WASTE PREMIUMS:
 EPA Level ""A"" protection - \$3.00 per hour
 EPA Level ""B"" protection - \$2.00 per hour
 EPA Level ""C"" protection - \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs;

pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender.

GROUP 6: Off-road material hauler with or without ejector.

IRON0008-002 06/01/2019

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC,
 MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO
 COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 35.07	27.62

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
 Day, Thanksgiving Day & Christmas Day.

 IRON0008-003 06/01/2019

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),
 WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.12	27.87

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
 Day, Thanksgiving Day & Christmas Day.

 IRON0383-001 06/01/2019

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST,
 GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA,
 JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON,
 MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern
 area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA,
 WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.50	26.57

 IRON0498-005 06/01/2019

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and
 WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 40.25	40.53

IRON0512-008 06/03/2019

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.60	29.40

IRON0512-021 06/03/2019

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	29.40

LAB00113-002 06/03/2019

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 29.02	21.92
Group 2.....	\$ 29.17	21.92
Group 3.....	\$ 29.37	21.92
Group 4.....	\$ 29.52	21.92
Group 5.....	\$ 29.67	21.92
Group 6.....	\$ 25.51	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;
Demolition and Wrecking Laborer; Guard Rail, Fence, and
Bridge Builder; Landscaper; Multiplate Culvert Assembler;
Stone Handler; Bituminous Worker (Shoveler, Loader, and
Utility Man); Batch Truck Dumper or Cement Handler;
Bituminous Worker (Dumper, Ironer, Smoother, and Tamper);
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler
(Pavement); Vibrator or Tamper Operator (Mechanical Hand
Operated); Chain Saw Operator; Demolition Burning Torch
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LAB00113-003 06/03/2019

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.27	21.92
Group 2.....	\$ 28.37	21.92
Group 3.....	\$ 28.42	21.92
Group 4.....	\$ 28.62	21.92
Group 5.....	\$ 28.47	21.92
Group 6.....	\$ 25.36	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

LAB00113-011 06/03/2019

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.08	21.92
Group 2.....	\$ 28.23	21.92
Group 3.....	\$ 28.43	21.92
Group 4.....	\$ 28.40	21.92
Group 5.....	\$ 28.73	21.92
Group 6.....	\$ 25.22	21.92

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

LAB00140-002 06/03/2019

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.84	17.54
Group 2.....	\$ 32.94	17.54
Group 3.....	\$ 32.99	17.54
Group 4.....	\$ 33.19	17.54
Group 5.....	\$ 33.04	17.54
Group 6.....	\$ 29.47	17.54

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LAB00464-003 06/03/2019

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.12	17.54
Group 2.....	\$ 33.22	17.54
Group 3.....	\$ 33.27	17.54
Group 4.....	\$ 33.47	17.54
Group 5.....	\$ 33.32	17.54
Group 6.....	\$ 29.47	17.54

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

 PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 30.33	17.27
Spray, Sandblast, Steel....	\$ 30.93	17.27
Repaint:		
Brush, Roller.....	\$ 28.83	17.27
Spray, Sandblast, Steel....	\$ 29.43	17.27

 PAIN0108-002 06/01/2019

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 36.08	20.36
Spray & Sandblast.....	\$ 37.08	20.36

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK,
SAWYER, ST. CROIX, AND WASHBURN COUNTIES

	Rates	Fringes
PAINTER.....	\$ 24.11	12.15

PAIN0259-004 05/01/2015

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPLEAU, AND
VERNON COUNTIES

	Rates	Fringes
PAINTER.....	\$ 22.03	12.45

PAIN0781-002 06/01/2019

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 33.30	23.86
Brush.....	\$ 32.95	23.86
Spray & Sandblast.....	\$ 33.70	23.86

PAIN0802-002 06/01/2019

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,
ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush.....	\$ 30.93	18.44

PREMIUM PAY:

 Structural Steel, Spray, Bridges = \$1.00 additional per
 hour.

PAIN0802-003 06/01/2019

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN

LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC,
 MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA,
 OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS,
 WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER.....	\$ 30.93	18.58

PAIN0934-001 06/01/2017		

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 33.74	18.95
Spray.....	\$ 34.74	18.95
Structural Steel.....	\$ 33.89	18.95

PAIN1011-002 06/02/2019		

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 25.76	13.33

PLAS0599-010 06/01/2017		

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area 1.....	\$ 39.46	17.17
Area 2 (BAC).....	\$ 35.07	19.75
Area 3.....	\$ 35.61	19.40
Area 4.....	\$ 34.70	20.51
Area 5.....	\$ 36.27	18.73
Area 6.....	\$ 32.02	22.99

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN
 COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET,
 CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE,
 FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE,
 LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE,

MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK,
 PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR,
 VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD
 COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA
 CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPPEALEAU, AND
 VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK
 COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

 TEAM0039-001 06/01/2019

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 29.57	22.03
3 or more Axles; Euclids Dumptor & Articulated, Truck Mechanic.....	\$ 29.72	22.03

WELL DRILLER.....	\$ 16.52	3.70

WELDERS - Receive rate prescribed for craft performing
 operation to which welding is incidental.

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 Note: Executive Order (EO) 13706, Establishing Paid Sick Leave
 for Federal Contractors applies to all contracts subject to the
 Davis-Bacon Act for which the contract is awarded (and any
 solicitation was issued) on or after January 1, 2017. If this
 contract is covered by the EO, the contractor must provide
 employees with 1 hour of paid sick leave for every 30 hours
 they work, up to 56 hours of paid sick leave each year.
 Employees must be permitted to use paid sick leave for their
 own illness, injury or other health-related needs, including
 preventive care; to assist a family member (or person who is
 like family to the employee) who is ill, injured, or has other
 health-related needs, including preventive care; or for reasons
 resulting from, or to assist a family member (or person who is
 like family to the employee) who is a victim of, domestic

violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and

non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.)

and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

"General Decision Number: WI20200008 02/28/2020

Superseded General Decision Number: WI20190008

State: Wisconsin

Construction Types: Heavy (Sewer and Water Line and Tunnel)

Counties: Wisconsin Statewide.

TUNNEL, SEWER & WATER LINE CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020
1	01/24/2020
2	02/28/2020

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPPEALEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019		

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

BRWI0002-005 06/01/2019		

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.51	23.37

BRWI0003-002 06/03/2019		

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019		

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.43	25.10

BRWI0006-002 06/01/2019		

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
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BRICKLAYER.....\$ 35.06 23.02

BRWI0007-002 06/03/2019

GREEN, LAFAYETTE, AND ROCK COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.57 24.22

BRWI0008-002 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

BRICKLAYER.....\$ 38.93 24.22

BRWI0009-001 06/03/2019

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,
AND WINNEBAGO COUNTIES

Rates Fringes

BRICKLAYER.....\$ 34.18 23.90

BRWI0011-002 06/03/2019

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

Rates Fringes

BRICKLAYER.....\$ 34.18 23.90

BRWI0013-002 06/03/2019

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.56 24.23

BRWI0019-002 06/03/2019

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

BRWI0021-002 06/03/2019		

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.75	24.02

BRWI0034-002 06/03/2019		

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

CARP0087-001 05/01/2016		

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys 35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

	Rates	Fringes
Carpenter & Piledrivermen.....	\$ 36.85	18.39

CARP0252-002 06/01/2016		

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO, BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except area bordering Michigan State Line), FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON, JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E. of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPPEALEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

Rates	Fringes
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CARPENTER		
CARPENTER.....	\$ 33.56	18.00
MILLWRIGHT.....	\$ 35.08	18.35
PILEDRIVER.....	\$ 34.12	18.00

 CARP0252-010 06/01/2016

ASHLAND COUNTY

	Rates	Fringes
Carpenters		
Carpenter.....	\$ 33.56	18.00
Millwright.....	\$ 35.08	18.35
Pile Driver.....	\$ 34.12	18.00

 CARP0264-003 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 35.78	22.11

 CARP0361-004 05/01/2018

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

 CARP2337-001 06/01/2016

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIVERMAN		
Zone A.....	\$ 31.03	22.69
Zone B.....	\$ 31.03	22.69

 * CARP2337-003 06/01/2019

	Rates	Fringes
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MILLWRIGHT

Zone A.....	\$ 33.58	21.53
Zone B.....	\$ 33.58	21.53

ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

ELEC0014-002 06/03/2019

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK (except Maryville, Colby, Unity, Sherman, Fremont, Lynn & Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST CROIX, SAWYER, TAYLOR, TREMPLEAU, VERNON, AND WASHBURN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.59	20.87

ELEC0127-002 06/01/2019

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 40.49	30%+12.07

ELEC0158-002 06/03/2019

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig), MARINETTE(Wausaukee and area South thereof), OCONTO, MENOMINEE (East of a line 6 miles West of the West boundary of Oconto County), SHAWANO (Except Area North of Townships of Aniwa and Hutchins) COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.52	29.75%+10.26

ELEC0159-003 06/01/2019

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and

Emmet Townships), GREEN, LAKE (except Townships of Berlin, Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.30	22.24

 ELEC0219-004 06/01/2016

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern, Florence and Homestead) AND MARINETTE COUNTY (Township of Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over		
\$180,000.....	\$ 32.38	18.63
Electrical contracts under		
\$180,000.....	\$ 30.18	18.42

 ELEC0242-005 05/16/2018

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 36.85	26.17

 ELEC0388-002 06/03/2019

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.56	26%+11.01

 ELEC0430-002 01/01/2020

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 40.30	22.19

ELEC0494-005 06/01/2019		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 41.03	25.11

ELEC0494-006 06/01/2019		

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 34.73	22.27

ELEC0577-003 06/01/2019		

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.15	28.50%+10.00

ELEC0890-003 06/01/2019		

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.91	25.95%+10.83

ENGI0139-003 06/03/2019		

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.52	22.45
Group 2.....	\$ 40.27	22.45
Group 3.....	\$ 38.97	22.45
Group 4.....	\$ 38.44	22.45
Group 5.....	\$ 36.37	22.45
Group 6.....	\$ 34.84	22.45

HAZARDOUS WASTE PREMIUMS:

EPA Level ""A"" Protection: \$3.00 per hour
EPA Level ""B"" Protection: \$2.00 per hour
EPA Level ""C"" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of over 100 tons; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,00 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs; Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic

and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweepers; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without attachments; Power Pack Vibratory/Ultra Sound Driver and Extractor; Fireman (Asphalt Plants); Screed Operator; Stone Crushers and Screening Plants; Air, Electric, Hydraulic Jacks (Slip Form); Prestress Machines; Air Compressor, 400 CFM or over; Refrigeration Plant/Freeze Machine; Boiler Operators (temporary heat); Forklifts; Welding Machines; Generators; Pumps over 3"; Heaters, Mechanical; Combination small equipment operator; Winches, small electric; Oiler; Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

 ENGI0139-007 06/03/2019

DODGE, FOND DU LAC, JEFFERSON, KENOSHA, MILWAUKEE, OZAUKEE, RACINE, SHEBOYGAN, WALWORTH, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.19	22.20
Group 2.....	\$ 40.41	22.20
Group 3.....	\$ 39.46	22.20
Group 4.....	\$ 38.41	22.20
Group 5.....	\$ 37.01	22.20

HAZARDOUS WASTE PREMIUMS:
 EPA Level "A" Protection: \$3.00 per hour
 EPA Level "B" Protection: \$2.00 per hour
 EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, and Derricks with or without attachments, with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Backhoes (Excavators) 130,000 lbs and over; Caisson Rigs and Pile Drivers

GROUP 2: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or under; or Cranes, Tower Cranes, and Derricks with boom, lead, and/or jib lengths measuring 175 feet or under; Backhoes (Excavators) under 130,000 lbs; Skid Rigs; Dredge Operator: Traveling Crane (Bridge type); Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Pumps and Boring Machines (directional)

GROUP 3: Material Hoists; Stack Hoists; Tractor or Truck mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane, 5 tons or under; Manhoist; Tractor over 40 hp; Bulldozer over 40 hp; Endloader over 40 hp; Forklift, 25 ft and over; Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Mechanic and Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Percussion Drill Operator; Rotary Drill Operator; Blaster; Air Track Drill; Trencher (wheel type or chain type having over 8 inch bucket); Elevator; Milling Machine and Boring Machine (horizontal or vertical); Backhoe Mounted Compactor

GROUP 4: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machine (road type); Roller, Rubber Tire; Concrete Batch Hopper; Concrete Conveyor System; Concrete Mixers (14S or over); Screw type Pumps and Gypsum Pumps; Grout Pumps; Tractor, Bulldozer, End Loader, under 40 hp; Pumps (well points); Trencher (chain type 8 inch or smaller bucket); Industrial Locomotives; Roller under 5 tons; Fireman (Piledrivers and Derricks); Robotic Tool Carrier with or without attachments.

GROUP 5: Hoists (Automatic); Forklift, 12 ft to 25 ft; Tamper-Compactors, riding type; A-Frame and Winch Trucks; Concrete Auto Breaker; Hydrohammer, small; Brooms and Sweepers; Hoist (Tuggers); Stump Chipper, large; Boats (Tug, Safety, Work Barges and Launch); Shouldering Machine Operator; Screed Operator; Farm or Industrial Tractor; Post Hole Digger; Stone Crushers and Screening Plants; Firemen (Asphalt Plants); Air Compressor (400 CFM or over); Augers (vertical and horizontal); Generators, 150 KW and over; Air, Electric Hydraulic Jacks (Slipform); Prestress

Machines; Skid Steer Loader with or without attachments; Boiler operators (temporary heat); Forklift, 12 ft and under; Screed Operator Milling Machine; Refrigeration Plant/Freeze Machine; Power Pack Vibratory/Ultra Sound Driver and Extractor; Generators under 150 KW; Combination small equipment operator; Compressors under 400 CFM; Welding Machines; Heaters, Mechanical; Pumps; Winches, Small Electric; Oiler and Greaser; Conveyor; High pressure utility locating machine (daylighting machine).

 IRON0008-002 06/01/2019

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 35.07	27.62

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

 IRON0008-003 06/01/2019

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.12	27.87

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

 IRON0383-001 06/01/2019

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.50	26.57

IRON0498-005 06/01/2019		

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and
WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 40.25	40.53

IRON0512-008 06/03/2019		

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.60	29.40

IRON0512-021 06/03/2019		

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	29.40

LAB00113-004 06/03/2019		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Open Cut)		
Group 1.....	\$ 15.45	20.81
Group 2.....	\$ 17.72	20.81
Group 3.....	\$ 21.26	20.81
Group 4.....	\$ 30.63	20.81
Group 5.....	\$ 30.77	20.81
Group 6.....	\$ 30.83	20.81
Group 7.....	\$ 33.04	20.81
Group 8.....	\$ 35.86	20.81

Group 9.....\$ 36.50 20.81

LABORERS CLASSIFICATIONS [OPEN CUT]

GROUP 1: Yard Laborer

GROUP 2: Landscaper

GROUP 3: Flag Person

GROUP 4: Paving Laborer

GROUP 5: General Laborer on Surface; Top Man

GROUP 6: Mud Mixer

GROUP 7: Mucker; Form Stripper; Bottom Digger and Misc;
Bottom Man and Welder on Surface

GROUP 8: Concrete Manhole Builder; Caisson Worker; Miner;
Pipe Layer; Rock Driller and Joint Man; Timber Man and
Concrete Brusher; Bracer in Trench Behind Machine & Tight
Sheeting; Concrete Formsetter and Shoveler; Jackhammer
Operator

GROUP 9: Blaster

LAB00113-005 06/03/2019

SEWER, TUNNEL & UNDERGROUND

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
Laborers:		
Group 1.....	\$ 22.12	20.81
Group 2.....	\$ 28.05	20.81
Group 3.....	\$ 30.61	20.81
Group 4.....	\$ 32.38	20.81

TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00, 15-30
lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS

GROUP 1: Flagperson

GROUP 2: Top Man, General Laborer, Wellpoint Installation, Wire Mesh and Reinforcement, Concrete Worker, Form Stripper, Strike-off Work

GROUP 3: Machine and Equipment Operator, Sheeting, Form Setting, Patch Finisher, Bottom Man, Joint Sawyer, Gunnite Man, Manhole Builder, Welder-Torchman, Blaster, Caulker, Bracer, Bull Float, Conduit Worker, Mucker and Car Pusher, Raker and Luteman, Hydraulic Jacking of Shields, Shield Drivers, Mining Machine, Lock Tenders, Mucking Machine Operator, Motor Men & Gauge Tenders and operation of incidental Mechanical Equipment and all Power Driven Tools

GROUP 4: Pipelayer, Miner and Laser Operator

LAB00113-008 06/03/2019

MILWAUKEE, OZAUCHEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel-Free Air)		
Group 1.....	\$ 21.26	20.81
Group 2.....	\$ 30.77	20.81
Group 3.....	\$ 30.83	20.81
Group 4.....	\$ 33.04	20.81
Group 5.....	\$ 33.18	20.81
Group 6.....	\$ 35.86	20.81
Group 7.....	\$ 36.50	20.81

LABORERS CLASSIFICATIONS [TUNNEL - FREE AIR]:

GROUP 1: Flagperson

GROUP 2: General Laborer on surface; Tower Man

GROUP 3: Saw Man; Top Man

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey; Welder (rate on surface)

GROUP 6: Concrete Manhole Builder; Mucking Machine; Miner; Mining Machine; Welder; Rock Driller; Concrete Buster; Jack Hammer Operator; Caisson Worker; Pipelayer and Joint Man; Bracerman

GROUP 7: Blaster

* LAB00113-009 06/03/2019

MILWAUKEE, OZAUKEE, WASHINGTON & WAUKESHA COUNTIES

	Rates	Fringes
Laborers: (Tunnel -		
*COMPRESSED AIR 0 - 15 lbs.)		
Group 1.....	\$ 21.26	20.81
Group 2.....	\$ 30.77	20.81
Group 3.....	\$ 33.58	20.81
Group 4.....	\$ 34.38	20.81
Group 5.....	\$ 34.50	20.81
Group 6.....	\$ 37.20	20.81
Group 7.....	\$ 37.82	20.81

LABORERS CLASSIFICATIONS [TUNNEL - COMPRESSED AIR]:

- *Compressed Air 15 - 30 lbs add \$2.00 to all classifications
- *Compressed Air over 30 lbs add \$3.00 to all classifications

GROUP 1: Flagperson

GROUP 2: General Laborer on surface

GROUP 3: Lock Tender on surface

GROUP 4: Form Stripper; Car Pusher

GROUP 5: Mucker; Dinkey

GROUP 6: Mucking Machine; Miner; Mining Machine; Welder & Rock Driller; Lock Tender in tunnel; Concrete Buster; Jack Hammer Operator; Caisson Worker; Pielayer and Joint Man; Bracerman; Nozzle Man on Gunite; Timber Man; Concrete Brusher

GROUP 7: Blaster

NOTE: Hazardous & Toxic Waste Removal: add \$0.15 per hour.

LAB00140-005 06/04/2018

ADAMS, ASHLAND, BARRON, BROWN, BUFFALO, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IOWA, JACKSON, JEFFERSON, JUNEAU, LACROSSE, LAFAYETTE, LANGLADE,

LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, ST CROIX, SAUK, SAWYER, SHAWANO, SHEBOYGAN, TAYLOR, TREMPPEALEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER (SEWER & WATER)		
Group 1.....	\$ 27.41	17.20
Group 2.....	\$ 29.26	17.20
Group 3.....	\$ 29.46	17.20
Group 4.....	\$ 30.21	17.20

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0-15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORER CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer, Wellpoint Installation; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

LAB00464-002 06/04/2018

DANE AND DOUGLAS COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 27.31	17.20
Group 2.....	\$ 29.51	17.20
Group 3.....	\$ 29.71	17.20
Group 4.....	\$ 30.46	17.20

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR: 0 - 15 lbs add

\$1.00, 15- 30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: General Laborer; Wellpoint Installation; Concrete Worker; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders; Mucking Machine Operators; Motor Men and Gauge Tenders; Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

LAB01091-010 06/04/2018

BAYFIELD, BURNETT, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
Laborers: (SEWER & WATER)		
Group 1.....	\$ 27.10	17.20
Group 2.....	\$ 29.16	17.20
Group 3.....	\$ 29.36	17.20
Group 4.....	\$ 30.11	17.20

FOR ALL TUNNEL WORK UNDER COMPRESSED AIR:

0 - 15 lbs add \$1.00, 15-30 lbs add \$2.00, over 30 lbs add \$3.00

LABORERS CLASSIFICATIONS:

GROUP 1: Flagperson

GROUP 2: Laborers, Wellpoint Installation; Form Stripper; Strike Off worker

GROUP 3: Sheeting Formsetting; Patch Finisher; Bottom Man; Joint Sawyer; Gunnite Man; Manhole Builder; Welder; Torchman; Blaster; Caulker Bracer; Bull Float; Mucker and Car Pusher; Raker and Luteman; Hydraulic jacking of shields, Shield Drivers; Mining Machine; Lock Tenders;

Mucking Machine Operators; Motor Men and Gauge Tenders;
Power Tool Operators

GROUP 4: Pipelayer, Miner, and Laser Operator

PLAS0599-010 06/01/2017

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area 1.....	\$ 39.46	17.17
Area 2 (BAC).....	\$ 35.07	19.75
Area 3.....	\$ 35.61	19.40
Area 4.....	\$ 34.70	20.51
Area 5.....	\$ 36.27	18.73
Area 6.....	\$ 32.02	22.99

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN
COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET,
CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE,
FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE,
LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE,
MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK,
PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR,
VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD
COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA
CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND
VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK
COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2019

	Rates	Fringes
TRUCK DRIVER		

1 & 2 Axles.....	\$ 29.57	22.03
3 or more Axles; Euclids Dumptor & Articulated, Truck Mechanic.....	\$ 29.72	22.03

WELL DRILLER.....	\$ 16.52	3.70

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the

interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

"General Decision Number: WI20200015 02/28/2020

Superseded General Decision Number: WI20190015

State: Wisconsin

Construction Type: Heavy

Counties: Wisconsin Statewide.

HEAVY CONSTRUCTION PROJECTS (Excluding Tunnel, Sewer, and Water Lines).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020
1	01/24/2020
2	02/28/2020

BOIL0107-001 01/01/2017

	Rates	Fringes
BOILERMAKER		
Boilermaker.....	\$ 35.65	29.89

Small Boiler Repair (under
25,000 lbs/hr).....\$ 26.91 16.00

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND
VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

BRWI0002-005 06/01/2019

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA,
CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC,
FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE,
LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE,
OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK,
SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA,
WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.51	23.37

BRWI0003-002 06/03/2019

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
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BRICKLAYER.....\$ 38.43 25.10

BRWI0006-002 06/01/2019

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE,
ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.06 23.02

BRWI0007-002 06/03/2019

GREEN, LAFAYETTE, AND ROCK COUNTIES

Rates Fringes

BRICKLAYER.....\$ 35.57 24.22

BRWI0008-002 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

BRICKLAYER.....\$ 38.93 24.22

BRWI0009-001 06/03/2019

GREEN LAKE, MARQUETTE, OUTAGAMIE, SHAWANO, WAUPACA, WASHARA,
AND WINNEBAGO COUNTIES

Rates Fringes

BRICKLAYER.....\$ 34.18 23.90

BRWI0011-002 06/03/2019

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

Rates Fringes

BRICKLAYER.....\$ 34.18 23.90

BRWI0013-002 06/03/2019

DANE, GRANT, IOWA, AND RICHLAND COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

BRWI0019-002 06/03/2019		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN,
PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

BRWI0021-002 06/03/2019		

DODGE AND JEFFERSON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.75	24.02

BRWI0034-002 06/03/2019		

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.56	24.23

CARP0087-001 05/01/2016		

BURNETT (W. of Hwy 48), PIERCE (W. of Hwy 29), POLK (W. of Hwys
35, 48 & 65), AND ST. CROIX (W. of Hwy 65) COUNTIES

	Rates	Fringes
Carpenter & Piledrivermen.....	\$ 36.85	18.39

CARP0252-002 06/01/2016		

ADAMS, BARRON, BAYFIELD (Eastern 2/3), BROWN, BUFFALO,
BURNETT (E. of Hwy 48), CALUMET, CHIPPEWA, CLARK, COLUMBIA,
CRAWFORD, DANE, DODGE, DOOR, DUNN, EAU CLAIRE, FLORENCE (except
area bordering Michigan State Line), FOND DU LAC, FOREST,
GRANT, GREEN, GREEN LAKE, IOWA, IRON, JACKSON, JEFFERSON,
JUNEAU, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN,
MANITOWOC, MARATHON, MARINETTE (except N.E. corner), MARQUETTE,
MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE (E.

of Hwys 29 & 65), POLK (E. of Hwys 35, 48 & 65), PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST CROIX (E. of Hwy 65), TAYLOR, TREMPLEAU, VERNON, VILAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CARPENTER		
CARPENTER.....	\$ 33.56	18.00
MILLWRIGHT.....	\$ 35.08	18.35
PILEDRIIVER.....	\$ 34.12	18.00

CARP0252-010 06/01/2016		

ASHLAND COUNTY

	Rates	Fringes
Carpenters		
Carpenter.....	\$ 33.56	18.00
Millwright.....	\$ 35.08	18.35
Pile Driver.....	\$ 34.12	18.00

CARP0264-003 06/01/2016		

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WAUKESHA, AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 35.78	22.11

CARP0361-004 05/01/2018		

BAYFIELD (West of Hwy 63) AND DOUGLAS COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 36.15	20.43

CARP2337-001 06/01/2016		

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON

ZONE B: KENOSHA & RACINE

	Rates	Fringes
PILEDRIVERMAN		
Zone A.....	\$ 31.03	22.69
Zone B.....	\$ 31.03	22.69

* CARP2337-003 06/01/2019

	Rates	Fringes
MILLWRIGHT		
Zone A.....	\$ 33.58	21.53
Zone B.....	\$ 33.58	21.53

ZONE DEFINITIONS

ZONE A: MILWAUKEE, OZAUKEE, WAUKESHA AND WASHINGTON COUNTIES

ZONE B: KENOSHA & RACINE COUNTIES

ELEC0014-002 06/03/2019

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK
(except Maryville, Colby, Unity, Sherman, Fremont, Lynn &
Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA
CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST
CROIX, SAWYER, TAYLOR, TREMPPEALEAU, VERNON, AND WASHBURN
COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.59	20.87

ELEC0014-007 06/03/2019

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician.....	\$ 27.25	14.34

Low voltage construction, installation, maintenance and
removal of teledata facilities (voice, data, and video)
including outside plant, telephone and data inside wire,
interconnect, terminal equipment, central offices, PABX,
fiber optic cable and equipment, micro waves, V-SAT,
bypass, CATV, WAN (wide area networks), LAN (local area

networks), and ISDN (integrated systems digital network).

ELEC0127-002 06/01/2019

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 40.49	30%+12.07

ELEC0158-002 06/03/2019

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig),
MARINETTE(Wausuakee and area South thereof), OCONTO, MENOMINEE
(East of a line 6 miles West of the West boundary of Oconto
County), SHAWANO (Except Area North of Townships of Aniwa and
Hutchins) COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.52	29.75%+10.26

ELEC0159-003 06/01/2019

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and
Emmet Townships), GREEN, LAKE (except Townships of Berlin,
Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of
Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK
COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.30	22.24

ELEC0219-004 06/01/2016

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern,
Florence and Homestead) AND MARINETTE COUNTY (Township of
Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over \$180,000.....	\$ 32.38	18.63
Electrical contracts under		

\$180,000.....\$ 30.18 18.42

ELEC0242-005 05/16/2018

DOUGLAS COUNTY

Rates Fringes

Electricians:.....\$ 36.85 26.17

ELEC0388-002 06/03/2019

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

Rates Fringes

Electricians:.....\$ 33.56 26%+11.01

ELEC0430-002 01/01/2020

RACINE COUNTY (Except Burlington Township)

Rates Fringes

Electricians:.....\$ 40.30 22.19

ELEC0494-005 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

Electricians:.....\$ 41.03 25.11

ELEC0494-006 06/01/2019

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

Rates Fringes

Electricians:.....\$ 34.73 22.27

ELEC0494-013 06/01/2019

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 20.53	18.13
Technician.....	\$ 30.18	19.58

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

ELEC0577-003 06/01/2019

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.15	28.50%+10.00

ELEC0890-003 06/01/2019

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE,

RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.91	25.95%+10.83

* ELEC0953-001 06/02/2019		

	Rates	Fringes
Line Construction:		
(1) Lineman.....	\$ 47.53	21.43
(2) Heavy Equipment Operator.....	\$ 42.78	19.80
(3) Equipment Operator.....	\$ 38.02	18.40
(4) Heavy Groundman Driver..	\$ 33.27	16.88
(5) Light Groundman Driver..	\$ 30.89	16.11
(6) Groundsman.....	\$ 26.14	14.60

ENGI0139-001 06/03/2019		

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 46.66	22.20
Group 2.....	\$ 46.16	22.20
Group 3.....	\$ 45.66	22.20
Group 4.....	\$ 44.97	22.20
Group 5.....	\$ 41.79	22.20
Group 6.....	\$ 36.64	22.20

HAZARDOUS WASTE PREMIUMS:
 EPA Level ""A"" Protection: \$3.00 per hour
 EPA Level ""B"" Protection: \$2.00 per hour
 EPA Level ""C"" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or w/o attachments with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Self-Erecting Tower Cranes over 4000 lbs lifting capacity; All Cranes with Boom Dollies; Boring Machines (directional); Master Mechanic.

\$0.50 additional per hour per 100 tons or 100 ft of boom over 200 ft or lifting capacity of crane over 200 tons to a maximum of 300 tons or 300 ft. Thereafter an increase of \$0.01 per ft or ton, whichever is greater.

GROUP 2: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; or Cranes, Tower Cranes Portable Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads and/or jib lengths measuring 175 feet or less; Backhoes (excavators) 130,000 lbs and over; Caisson Rigs; Pile Drivers; Boring Machines (vertical or horizontal), Versi-Lift, Tri-Lift, Gantry 20,000 lbs & over.

GROUP 3: Backhoe (excavator) under 130,000 lbs; Self-erecting Tower Crane 4000 lbs & under lifting capacity; Traveling Crane (bridge type); Skid Rigs; Dredge Operator; Mechanic; Concrete Paver (over 27E); Concrete Spreader and Distributor; Forklift/ Telehandler (machinery- moving / steel erection); Hydro Blaster, 10,000 psi and over

GROUP 4: Material Hoists; Stack Hoists; Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 5 tons or under (tractor or truck mounted); Hoist (tuggers 5 tons & over); Hydro-Excavators/Daylighters; Concrete Pumps Rotec type Conveyors; Tractor/Bulldozer/End Loader (over 40 hp); Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Rotary Drill Operator and Blaster; Percussion Drill Operator; Air Track Drill and/or Hammers; Gantry (under 20,000 lbs); Tencher (wheel type or chain type having 8 inch or larger bucket); Milling Machine; Off-Road Material Haulers.

GROUP 5: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machines (road type); Rubber Tired Roller; Concrete Batch Hopper; Concrete Conveyor Systems; Grout Pumps; Concrete Mixers (145 or over); Screw Type Pumps and Gypsum Pumps; Tractor, Bulldozer, End Loader (under 40 hp); Trencher (chain type, bucket under 8 inch); Industrial Locomotives; Rollers under 5 tons; Stump Grinder/Chipper (Large); Timber Equipment; Firemen (pile drivers and derricks); Personnel Hoist, Telehandler over 8000 lbs; Robotic Tool Carrier with or without attachments

GROUP 6: Tampers - Compactors (riding type); Assistant Engineer; A-Frames and Winch Trucks; Concrete Auto Breaker; Hydrohammers (small); Brooms and Sweepers; Hoist (tuggers under 5 tons); Boats (Tug, Safety, Work Barges, Launch);

Shouldering Machine Operator; Prestress Machines; Screed Operator; Stone Crushers and Screening Plants; Screed Operators (milling machine), Farm or Industrial Tractor Mounted Equipment; Post Hole Digger; Fireman (asphalt plants); Air Compressors over 400 CFM; Generators, over 150 KW; Augers (vertical and horizontal); Air, Electric, Hydraulic Jacks (slipform); Skid Steer Loaders (with or without attachments); Boiler Operators (temporary heat); Refrigeration Plant/Freeze Machines; Power Pack Vibratory/Ultra Sound Drivers and Extractors; Welding Machines; Heaters (mechanical); Pumps; Winches (small electric); Oiler and Greaser; Rotary Drill Tender; Conveyor; Forklifts/Telehandler 8000 lbs & under; Elevators: Automatic Hoists; Pumps (well points); Combination Small Equipment Operators

 ENGI0139-003 06/03/2019

REMAINING COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.52	22.45
Group 2.....	\$ 40.27	22.45
Group 3.....	\$ 38.97	22.45
Group 4.....	\$ 38.44	22.45
Group 5.....	\$ 36.37	22.45
Group 6.....	\$ 34.84	22.45

HAZARDOUS WASTE PREMIUMS:

EPA Level "A" Protection: \$3.00 per hour
 EPA Level "B" Protection: \$2.00 per hour
 EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of over 100 tons; Cranes, Tower Cranes, and Derricks with boom, leads and/or jib lengths 176 ft or longer.

GROUP 2: Backhoes (Excavators) weighing 130,00 lbs and over; Cranes, Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; Cranes, Tower Cranes, and Derricks with boom, leads, and/or jib lengths 175 ft or less; Caisson Rigs; Pile Driver

GROUP 3: Backhoes (Excavators) weighing under 130,000 lbs;

Travelling Crane (bridge type); Milling Machine; Concrete Paver over 27 E; Concrete Spreader and Distributor; Concrete Laser Screed; Concrete Grinder and Planing Machine; Slipform Curb and Gutter Machine; Boring Machine (Directional); Dredge Operator; Skid Rigs; over 46 meter Concrete Pump.

GROUP 4: Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 10 tons or less; Tractor, Bulldozer, or End Loader (over 40 hp); Motor Patrol; Scraper Operator; Bituminous Plant and Paver Operator; Screed-Milling Machine; Roller over 5 tons; Concrete pumps 46 meter and under; Grout Pumps; Rotec type machine; Hydro Blaster, 10,000 psi and over; Rotary Drill Operator; Percussion Drilling Machine; Air Track Drill with or without integral hammer; Blaster; Boring Machine (vertical or horizontal); Side Boom; Trencher, wheel type or chain type having 8 inch or larger bucket; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Straddle Carrier; Material Hoists; Stack Hoist; Man Hoists; Mechanic and Welder; Off Road Material Haulers.

GROUP 5: Tractor, Bulldozer, or Endloader (under 40 hp); Tampers -Compactors, riding type; Stump Chipper, large; Roller, Rubber Tire; Backfiller; Trencher, chain type (bucket under 8 inch); Concrete Auto Breaker, large; Concrete Finishing Machine (road type); Concrete Batch Hopper; Concrete Conveyor Systems; Concrete Mixers, 14S or over; Pumps, Screw Type and Gypsum); Hydrohammers, small; Brooms and Sweepers; Lift Slab Machine; Roller under 5 tons; Industrial Locomotives; Fireman (Pile Drivers and Derricks); Pumps (well points); Hoists, automatic; A-Frames and Winch Trucks; Hoists (tuggers); Boats (Tug, Safety, Work Barges and Launches); Assistant Engineer

GROUP 6: Shouldering Machine Operator; Farm or Industrial Tractor mounted equipment; Post Hole Digger; Auger (vertical and horizontal); Skid Steer Loader with or without attachments; Robotic Tool Carrier with or without attachments; Power Pack Vibratory/Ultra Sound Driver and Extractor; Fireman (Asphalt Plants); Screed Operator; Stone Crushers and Screening Plants; Air, Electric, Hydraulic Jacks (Slip Form); Prestress Machines; Air Compressor, 400 CFM or over; Refrigeration Plant/Freeze Machine; Boiler Operators (temporary heat); Forklifts; Welding Machines; Generators; Pumps over 3"; Heaters, Mechanical; Combination small equipment operator; Winches, small electric; Oiler; Greaser; Rotary Drill Tender; Conveyor; Elevator Operator

IRON0008-002 06/01/2019

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC,
MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO
COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 35.07	27.62

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
Day, Thanksgiving Day & Christmas Day.

IRON0008-003 06/01/2019

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3),
WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.12	27.87

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
Day, Thanksgiving Day & Christmas Day.

IRON0383-001 06/01/2019

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST,
GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA,
JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON,
MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern
area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA,
WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.50	26.57

IRON0512-008 06/03/2019

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON,
PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.60	29.40

IRON0512-021 06/03/2019		

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA,
PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	29.40

LABO0113-002 06/03/2019		

MILWAUKEE AND WAUKESHA COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 29.02	21.92
Group 2.....	\$ 29.17	21.92
Group 3.....	\$ 29.37	21.92
Group 4.....	\$ 29.52	21.92
Group 5.....	\$ 29.67	21.92
Group 6.....	\$ 25.51	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

 LAB00113-003 06/03/2019

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.27	21.92
Group 2.....	\$ 28.37	21.92
Group 3.....	\$ 28.42	21.92
Group 4.....	\$ 28.62	21.92
Group 5.....	\$ 28.47	21.92
Group 6.....	\$ 25.36	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

 LAB00113-011 06/03/2019

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.08	21.92
Group 2.....	\$ 28.23	21.92

Group 3.....	\$ 28.43	21.92
Group 4.....	\$ 28.40	21.92
Group 5.....	\$ 28.73	21.92
Group 6.....	\$ 25.22	21.92

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

LAB00140-002 06/03/2019

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.84	17.54
Group 2.....	\$ 32.94	17.54
Group 3.....	\$ 32.99	17.54

Group 4.....	\$ 33.19	17.54
Group 5.....	\$ 33.04	17.54
Group 6.....	\$ 29.47	17.54

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator, Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LAB00464-003 06/03/2019

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.12	17.54
Group 2.....	\$ 33.22	17.54
Group 3.....	\$ 33.27	17.54
Group 4.....	\$ 33.47	17.54
Group 5.....	\$ 33.32	17.54
Group 6.....	\$ 29.47	17.54

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler;

Bituminous Worker (Dumper, Ironer, Smoother, and Tamper);
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler
(Pavement); Vibrator or Tamper Operator (Mechanical Hand
Operated); Chain Saw Operator; Demolition Burning Torch
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 30.33	17.27
Spray, Sandblast, Steel....	\$ 30.93	17.27
Repaint:		
Brush, Roller.....	\$ 28.83	17.27
Spray, Sandblast, Steel....	\$ 29.43	17.27

PAIN0108-002 06/01/2019

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 36.08	20.36
Spray & Sandblast.....	\$ 37.08	20.36

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK,
SAWYER, ST. CROIX, AND WASHBURN COUNTIES

	Rates	Fringes
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PAINTER.....\$ 24.11 12.15

PAIN0259-004 05/01/2015

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPPEALEAU, AND
VERNON COUNTIES

Rates Fringes

PAINTER.....\$ 22.03 12.45

PAIN0781-002 06/01/2019

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

Rates Fringes

Painters:

Bridge.....\$ 33.30 23.86

Brush.....\$ 32.95 23.86

Spray & Sandblast.....\$ 33.70 23.86

PAIN0802-002 06/01/2019

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,
ROCK, AND SAUK COUNTIES

Rates Fringes

PAINTER

Brush.....\$ 30.93 18.44

PREMIUM PAY:

Structural Steel, Spruce, Bridges = \$1.00 additional per
hour.

PAIN0802-003 06/01/2019

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN
LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC,
MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA,
OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS,
WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

Rates Fringes

Painter.....	\$ 30.93	18.58
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PAIN0934-001 06/01/2017

KENOSHA AND WALWORTH COUNTIES

	Rates	Fringes
Painters:		
Brush.....	\$ 33.74	18.95
Spray.....	\$ 34.74	18.95
Structural Steel.....	\$ 33.89	18.95

PAIN1011-002 06/02/2019

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 25.76	13.33

PLAS0599-010 06/01/2017

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area 1.....	\$ 39.46	17.17
Area 2 (BAC).....	\$ 35.07	19.75
Area 3.....	\$ 35.61	19.40
Area 4.....	\$ 34.70	20.51
Area 5.....	\$ 36.27	18.73
Area 6.....	\$ 32.02	22.99

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPPEALEAU, AND VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

PLUM0011-003 05/07/2018

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, SAWYER, AND WASHBURN COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 40.63	20.72

PLUM0075-002 06/01/2016

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 40.27	21.47

PLUM0075-004 06/01/2016

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 40.52	21.47

PLUM0075-009 06/01/2016

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 38.82	20.12

PLUM0111-007 05/28/2018

MARINETTE COUNTY (Niagara only)

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 33.33	24.48

PLUM0118-002 06/01/2019		

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
Plumber and Steamfitter.....	\$ 42.95	23.60

PLUM0400-003 06/04/2018		

ADAMS, BROWN, CALUMET, DODGE (except Watertown), DOOR, FOND DU LAC, GREEN LAKE, KEWAUNEE, MANITOWOC, MARINETTE (except Niagara), MENOMINEE, OCONTO, OUTAGAMIE, SHAWANO, SHEBOYGAN, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 36.74	19.06

PLUM0434-002 06/03/2018		

BARON, BUFFALO, CHIPPEWA, CLARK, CRAWFORD, DUNN, EAU CLAIRE, FLORENCE, FOREST, GRANT, JACKSON, JUNEAU, LA CROSSE, LANGLADE, LINCOLN, MARATHON, MONROE, ONEIDA, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RUSK, ST. CROIX, TAYLOR, TREMPPEALEAU, VERNON, VILAS, AND WOOD COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 40.15	18.57

PLUM0601-003 06/03/2019		

DODGE (Watertown), GREEN, JEFFERSON, LAFAYETTE, MILWAUKEE, OZAUKEE, ROCK, WASHINGTON AND WAUKESHA COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 46.89	25.29

PLUM0601-009 06/04/2017		

COLUMBIA, DANE, IOWA, MARQUETTE, RICHLAND AND SAUK COUNTIES

	Rates	Fringes
PIPEFITTER.....	\$ 47.08	20.89

TEAM0039-002 06/01/2019

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axle Trucks.....	\$ 29.57	22.03
3 or more axles; Euclids or Dumptor, Articulated Truck, Mechanic.....	\$ 29.72	22.03

SUWI2011-001 11/16/2011

	Rates	Fringes
WELL DRILLER.....	\$ 16.52	

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

=====

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor

200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION"



Wisconsin Department of Transportation

February 28, 2020

Division of Transportation Systems Development

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #18: 1440-15-72
Fond Du Lac – Plymouth
Seven Hills Road–East County Line
STH 23
Fond Du Lac County

1440-15-73, WISC 2020 109
Fond Du Lac – Plymouth
Seven Hills Road–East County Line
STH 23
Fond Du Lac County

Letting of March 10, 2020

This is Addendum No. 01, which provides for the following:

Special Provisions:

Added Special Provisions	
Article No.	Description
70	Notice to Contractor – Spraying of Reed Canary Grass in Schaefer Wetland Mitigation Site

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
205.0100	Common Excavation	CY	712,882	7,330	720,212
208.1100	Select Borrow	CY	85,682	968	86,650
305.0110	Base Aggregate Dense ¾-Inch	TON	26,122	95	26,217
305.0120	Base Aggregate Dense 1 ¼-Inch	TON	281,104	502	281,606
455.0605	Tack Coat	GAL	9,827	69	9,896
460.6223	HMA Pavement 3 MT 58-28 S	TON	8,852	741	9,593
460.6224	HMA Pavement 4 MT 58-28 S	TON	5,070	332	5,402
465.0105	Asphaltic Surface	TON	6,956	247	7,203
520.1018	Apron Endwalls For Culvert Pipe 18-Inch	EA	8	1	9

520.3318	Culvert Pipe Class III-A 18-Inch	LF	254	322	576
521.2005.S	Surface Drain Pipe Corrugated Metal Slotted (Inch) 01. 18-Inch	LF	944	-109	835
611.2005	Manholes 5-Ft Diameter	EA	2	-1	1
616.0100	Woven Wire Fence 4-Ft	LF	69,102	1,563	70,665
624.0100	Water	MGAL	4,934	4	4,938
627.0200	Mulching	SY	763,900	88,890	852,790
628.1504	Silt Fence	LF	34,658	-100	34,558
628.1520	Silt Fence Maintenance	LF	18,561	-1,600	16,961
629.0210	Fertilizer	CWT	640	56	696
630.0200	Seeding Temporary	LB	24,733	600	25,333
SPV.0035.01	Roadway Embankment	CY	841,078	490	841,568

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
201.0115	Clearing	ACRE	0	0.6	0.6
201.0215	Grubbing	ACRE	0	0.6	0.6

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
201.0120	Clearing	ID	0.6	-0.6	0
201.0220	Grubbing	ID	0.6	-0.6	0
611.0612	Inlet Covers Type C	EA	1	-1	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
7	Typical Section – Clarified concrete pavement that will be placed under this contract
17	Construction Detail – Removed pipe station from connection detail due to modifying crossover A drainage to accommodate a future project
73	Grading Footprint – Removed comment “Done By Others” due to purchase of parcel 146
74	Grading Footprint – Removed comment “Done By Others” due to purchase of parcel 146
104	Paving Details – Modified crossover A to accommodate future project
105	Paving Details – Modified crossover A to accommodate future project
360	Traffic Control – Modified crossover A to accommodate future project
361	Traffic Control – Modified crossover A to accommodate future project
372	Fencing – Revised woven wire fence at Parcel 146 that was labeled “Done By Others” and is now included under this contract.
373	Fencing – Revised woven wire fence at Parcel 146 that was labeled “Done By Others” and is now included under this contract.
427	Miscellaneous Quantities – Revised earthwork quantity to account for modifying crossover A to accommodate a future project. Revised the trail earthwork at Parcel 146 that was labeled “Done By Others” and is now included under this contract. Revised an earthwork sheet error that incorrectly calculated the select borrow.
428	Miscellaneous Quantities – Revised base aggregates at crossover A to accommodate a future project
430	Miscellaneous Quantities – Revised base aggregates at crossover A to accommodate a future project
436	Miscellaneous Quantities – Revised HMA at crossover A to accommodate a future project
438	Miscellaneous Quantities – Revised HMA at crossover A to accommodate a future project

441	Miscellaneous Quantities – Revised culvert pipes at crossover A to accommodate a future project
442	Miscellaneous Quantities – Revised culvert pipes at crossover A to accommodate a future project
453	Miscellaneous Quantities – Revised pipe structures at crossover A to accommodate a future project
454	Miscellaneous Quantities – Revised pipe structures at crossover A to accommodate a future project
455	Miscellaneous Quantities – Revised culvert pipe at crossover A to accommodate a future project
459	Miscellaneous Quantities – Revised culvert pipe at crossover A to accommodate a future project
464	Miscellaneous Quantities – Revised silt fence and silt fence maintenance quantities
466	Miscellaneous Quantities – Revised mulching, fertilizer type B, and seeding temporary quantities
499	Miscellaneous Quantities – Revised woven wire fence quantities at Parcel 146 that was labeled “Done By Others”
514	Miscellaneous Quantities – Revised trail quantities at Parcel 146 that was labeled “Done By Others”
573	Plan & Profile – Modified crossover A within the westbound plan & profile to accommodate a future project
575	Plan & Profile – Revised Right-of-Way at the Church parcel 133
578	Plan & Profile – Removed comment “Done By Others” due to purchase of parcel 146
579	Plan & Profile – Removed comment “Done By Others” due to purchase of parcel 146
586	Plan & Profile – Modified crossover A within the eastbound plan & profile to accommodate a future project
588	Plan & Profile – Revised Right-of-Way at the Church parcel 133
591	Plan & Profile – Removed comment “Done By Others” due to purchase of parcel 146
592	Plan & Profile – Removed comment “Done By Others” due to purchase of parcel 146
599	Plan & Profile – Modified crossover A plan & profile to accommodate a future project
601	Plan & Profile – Revised Right-of-Way at the Church parcel 133
604	Plan & Profile – Removed comment “Done By Others” due to purchase of parcel 146
605	Plan & Profile – Removed comment “Done By Others” due to purchase of parcel 146
613	Plan & Profile – Removed comment “Done By Others” due to purchase of parcel 146
618	Plan & Profile – Removed comment “Done By Others” due to purchase of parcel 146
632	Plan & Profile – Modified crossover A plan & profile to accommodate a future project
888	Earthwork Computations – Revised select borrow EBS backfill column error
893	Earthwork Computations – Revised select borrow EBS backfill column error
921	Earthwork Computations – Revised staging comment
922	Earthwork Computations – Revised staging comment
923	Earthwork Computations – Revised staging comment
951	Earthwork Computations – Revised staging comment
959	Earthwork Computations – Removed comment “Done By Others” due to purchase of parcel 146
960	Earthwork Computations – Removed comment “Done By Others” due to purchase of parcel 146
970	Earthwork Computations – Revised staging comment
972	Earthwork Computations – Revised staging comment
973	Earthwork Computations – Revised staging comment
974	Earthwork Computations – Revised staging comment
975	Earthwork Computations – Revised staging comment
977	Earthwork Computations – Revised staging comment
978	Earthwork Computations – Revised staging comment
979	Earthwork Computations – Revised staging comment

980	Earthwork Computations – Revised staging comment
984	Earthwork Computations – Revised staging comment
985	Earthwork Computations – Revised staging comment
986	Earthwork Computations – Revised staging comment
987	Earthwork Computations – Revised staging comment
1001	Cross Sections – Modified westbound cross-sections for crossover A to accommodate a future project
1002	Cross Sections – Modified westbound cross-sections for crossover A to accommodate a future project
1003	Cross Sections – Modified westbound cross-sections for crossover A to accommodate a future project
1004	Cross Sections – Modified westbound cross-sections for crossover A to accommodate a future project
1005	Cross Sections – Modified westbound cross-sections for crossover A to accommodate a future project
1006	Cross Sections – Modified westbound cross-sections for crossover A to accommodate a future project
1117	Cross Sections – Removed comment “Done By Others” due to purchase of parcel 146
1118	Cross Sections – Removed comment “Done By Others” due to purchase of parcel 146
1119	Cross Sections – Removed comment “Done By Others” due to purchase of parcel 146
1123	Cross Sections – Removed comment “Done By Others” due to purchase of parcel 146
1124	Cross Sections – Removed comment “Done By Others” due to purchase of parcel 146

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 1

1440-15-72

February 28, 2020

Special Provisions

70. Notice to Contractor – Spraying of Reed Canary Grass in Schaefer Wetland Mitigation Site

The department has contracted with a consultant to spray for Reed Canary Grass in the Schaefer Wetland Mitigation Site. The department and/or their hired consultant will coordinate the schedule and details of this operation with the contractor.

Schedule of Items

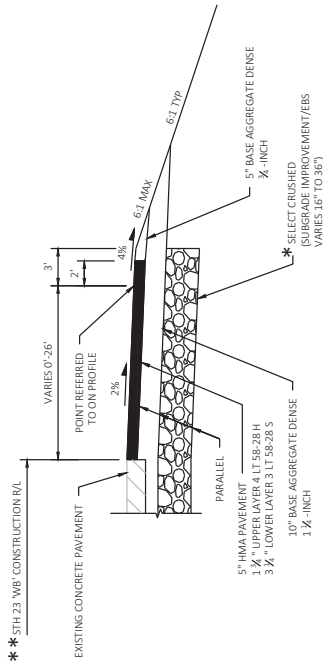
Attached, dated February 28, 2020, are the revised Schedule of Items Pages 1 – 21.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 7, 17, 73, 74, 104, 105, 360, 361, 372, 373, 427, 428, 430, 436, 438, 441, 442, 453, 454, 455, 459, 464, 466, 499, 514, 573, 575, 578, 579, 586, 588, 591, 592, 599, 601, 604, 605, 613, 618, 632, 888, 893, 921, 922, 923, 951, 959, 960, 970, 972, 973, 974, 975, 977, 978, 979, 980, 984, 985, 986, 987, 1001, 1002, 1003, 1004, 1005, 1006, 1117, 1118, 1119, 1123, 1124.

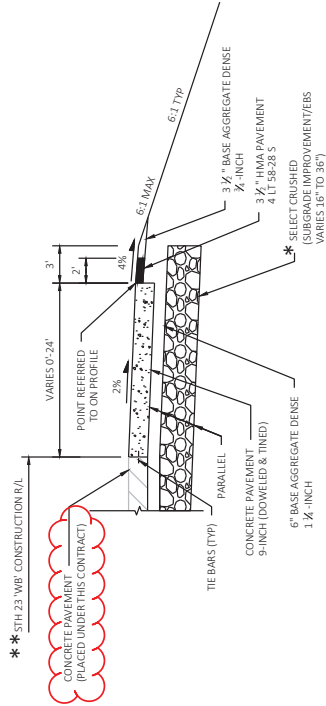
END OF ADDENDUM



TYPICAL FINISHED CROSS SECTION FOR STH 23 LEFT TURN LANES TO J-TURN AND LEFT ONLY INTERSECTIONS

* SEE PLAN & PROFILE STH 23 WESTBOUND AND EASTBOUND FOR LOCATIONS
 ** STH 23 EB TYPICAL FINISHED CROSS SECTIONS ARE A MIRROR
 IMAGE OF WHAT'S SHOWN ABOVE - SEE R/L DESIGNATION BELOW

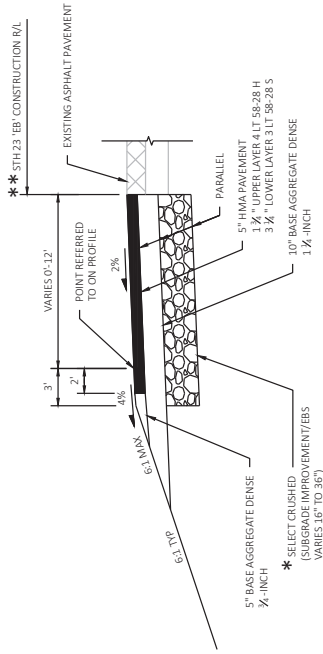
- STA 398+42 TO STA 402+84 (WB R/L)
- STA 409+00 TO STA 412+51 (EB R/L)
- STA 417+38 TO STA 421+31 (WB R/L)
- STA 461+89 TO STA 466+28 (EB R/L)
- STA 470+76 TO STA 474+32 (WB R/L)
- STA 487+06 TO STA 491+06 (WB R/L)
- STA 486+57 TO STA 500+28 (WB R/L)
- STA 489+69 TO STA 504+73 (WB R/L)
- STA 656+00 TO STA 661+18 (EB R/L)



TYPICAL FINISHED CROSS SECTION FOR STH 23 LEFT TURN LANES TO MEDIAN CROSSOVERS AND FULL ACCESS INTERSECTIONS

* SEE PLAN & PROFILE STH 23 WESTBOUND AND EASTBOUND FOR LOCATIONS
 ** STH 23 EB TYPICAL FINISHED CROSS SECTIONS ARE A MIRROR
 IMAGE OF WHAT'S SHOWN ABOVE - SEE R/L DESIGNATION BELOW

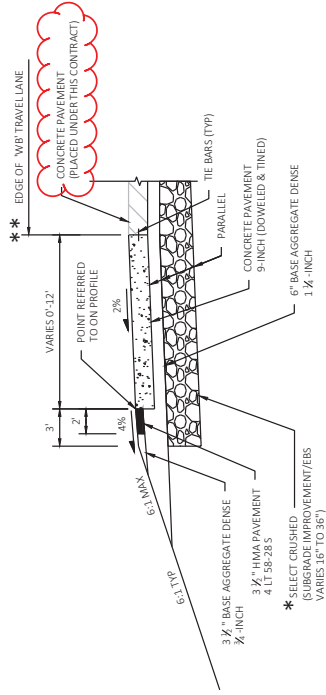
- STA 529+22 TO STA 534+29 (EB R/L)
- STA 572+71 TO STA 578+37 (EB R/L)
- STA 615+06 TO STA 620+06 (EB R/L)
- STA 627+57 TO STA 632+67 (EB R/L)



TYPICAL FINISHED CROSS SECTION FOR STH 23 LEFT TURN ADJACENT TO EXISTING ROADWAY

* SEE PLAN & PROFILE STH 23 WESTBOUND AND EASTBOUND FOR LOCATIONS
 ** STH 23 EB TYPICAL FINISHED CROSS SECTIONS ARE A MIRROR
 IMAGE OF WHAT'S SHOWN ABOVE - SEE R/L DESIGNATION BELOW

- STA 442+30 TO STA 447+29 (EB R/L)
- STA 621+07 TO STA 626+00 (WB R/L)



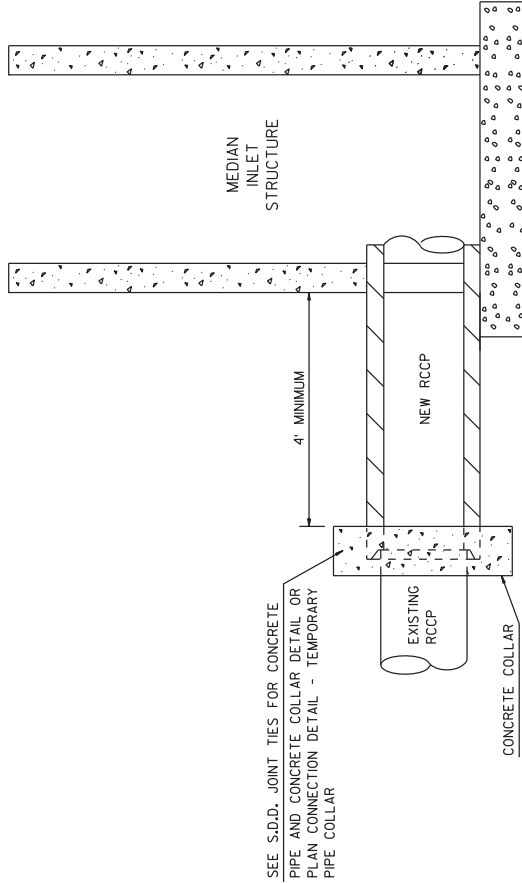
TYPICAL FINISHED CROSS SECTION FOR STH 23 RIGHT TURN LANES

* SEE PLAN & PROFILE STH 23 WESTBOUND AND EASTBOUND FOR LOCATIONS
 ** STH 23 EB TYPICAL FINISHED CROSS SECTIONS ARE A MIRROR
 IMAGE OF WHAT'S SHOWN ABOVE - SEE R/L DESIGNATION BELOW

- STA 409+19 TO STA 413+90 (EB R/L)
- STA 416+00 TO STA 420+64 (WB R/L)
- STA 462+45 TO STA 467+13 (EB R/L)
- STA 488+97 TO STA 473+12 (WB R/L)
- STA 495+10 TO STA 499+72 (WB R/L)
- STA 574+83 TO STA 579+37 (EB R/L)
- STA 657+19 TO STA 662+93 (EB R/L)

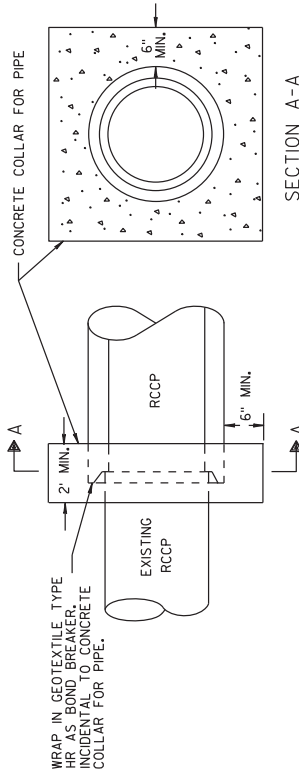
Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 7
 February 28, 2020

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 17
February 28, 2020



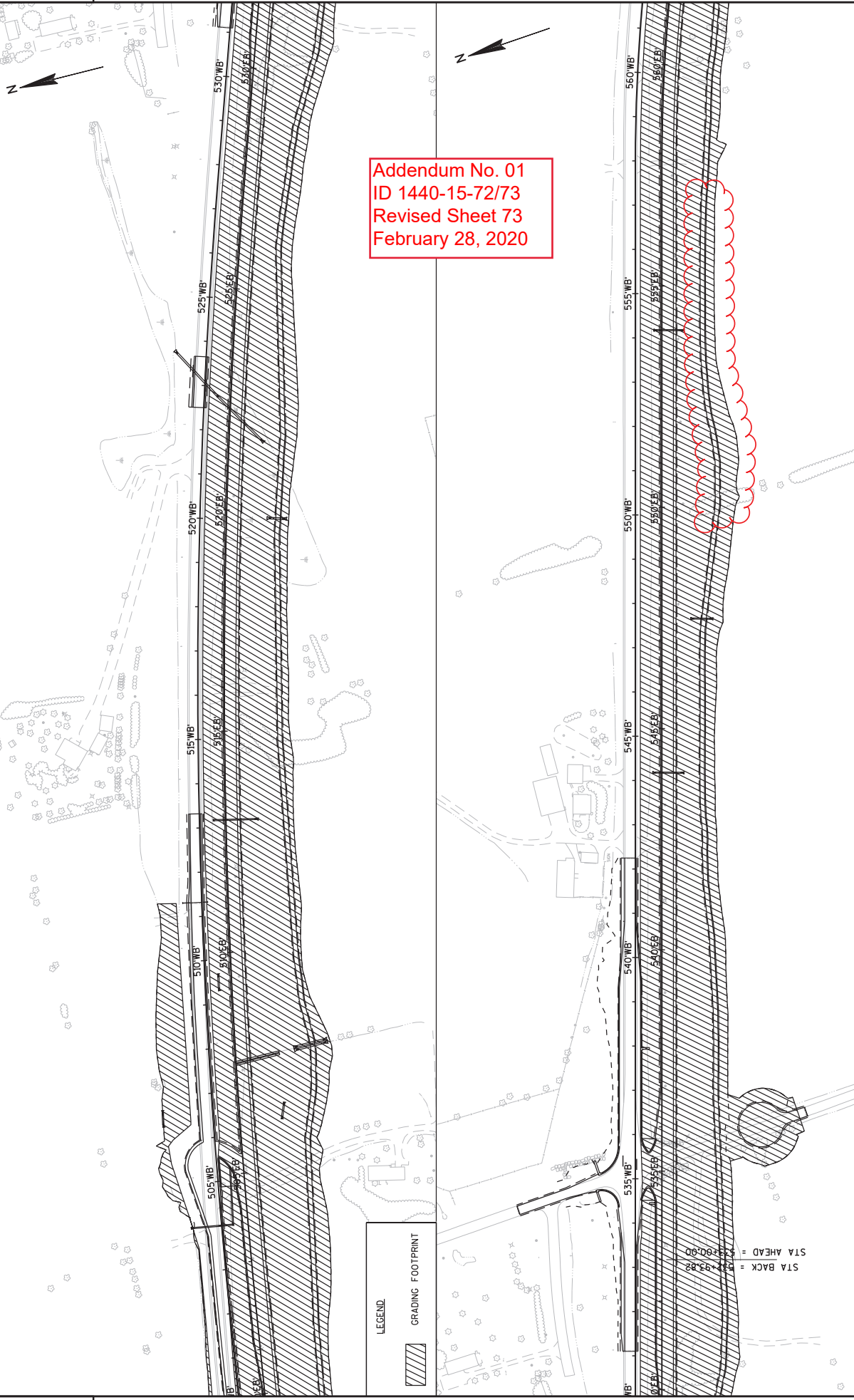
CONNECTION DETAIL - EXISTING CROSS-PIPES TO MEDIAN INLETS

- STRUCTURES LOCATED AT:
- STA 407+WB+29
- STA 434+WB+10
- STA 451+WB+00
- STA 551+WB+00
- STA 669+WB+69



CONNECTION DETAIL - TEMPORARY PIPE COLLAR

- STA 407+WB+29
- STA 462+WB+03
- STA 581+WB+00



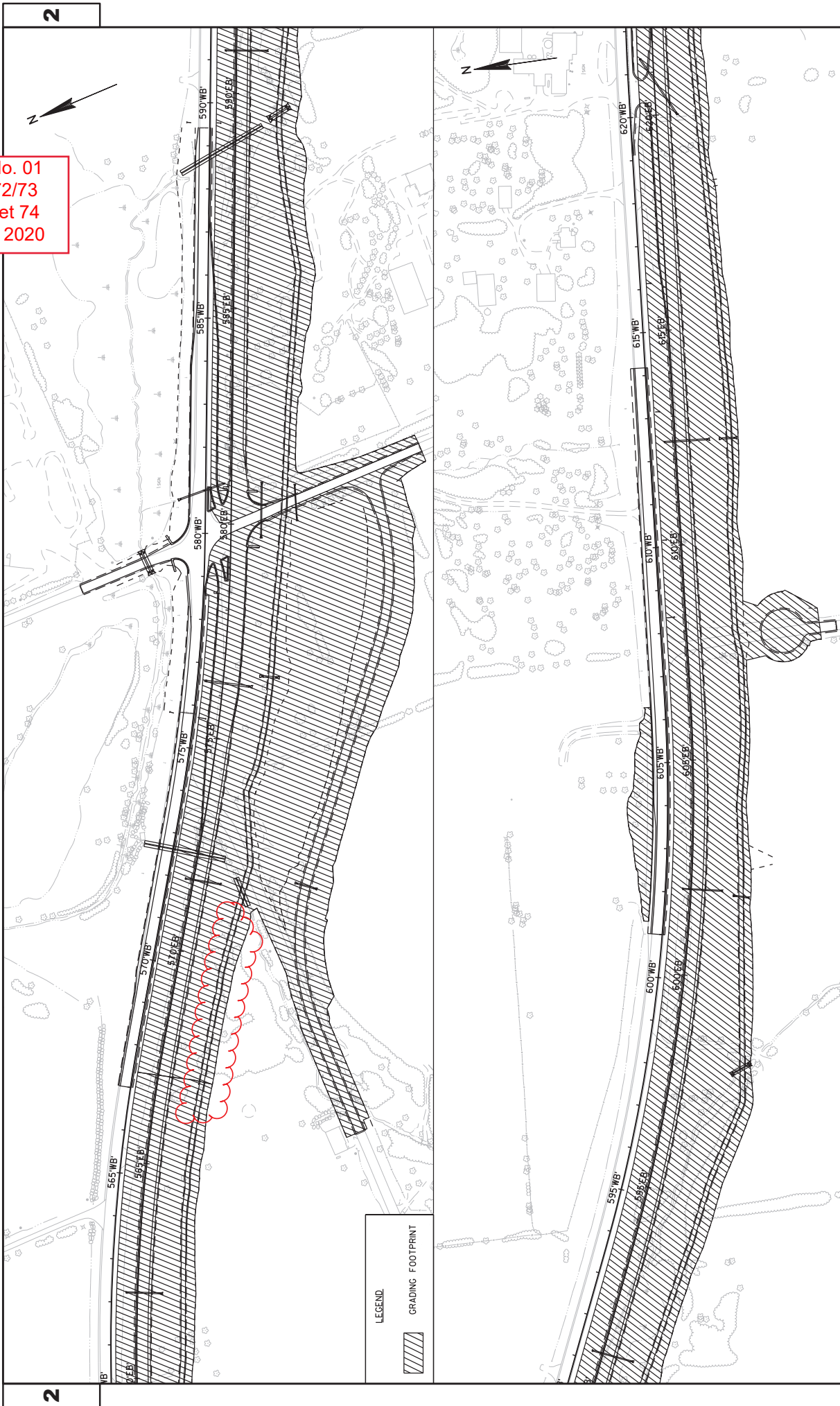
Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 73
 February 28, 2020

LEGEND
 GRADING FOOTPRINT

STA AHEAD = 523+90.90
 STA BACK = 522+93.82

PROJECT NO: 1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	GRADING FOOTPRINT - STAGE 1	SHEET 73	E
FILE NAME : N:\VPOS\C30\14401501\SHEETS\PLAN\GRADING FOOTPRINT\GRADINGFOOTPRINTDETAIL-STAGE 1.DWG PLOT NAME - GRADINGFOOTPRINTDETAIL-STAGE 1 - GP_S1 - (38) PLOT DATE : 2/19/2020 12:40 PM PLOT BY : VOGEL, KURT MICHAEL PLOT NAME : PLOT SCALE : 1 IN:200 FT WISDOT/CADD SHEET 42					

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 74
 February 28, 2020



LEGEND
 GRADING FOOTPRINT

PROJECT NO: 1440-15-72/73 FILE NAME : N:\POS\C3D\14401501\SHEETS\PLAN\GRADING FOOTPRINT\GRADINGFOOTPRINTDETAIL-STAGE 1.DWG LAYOUT NAME - GRADINGFOOTPRINTDETAIL-STAGE 1 - GP S1- (20)	HWY: STH 23	COUNTY: FOND DU LAC	GRADING FOOTPRINT - STAGE 1 PLOT BY : VOREL, KURT MICHAEL, PLOT NAME :	SHEET 74 WISDOT/CADD SHEET 42
---	-------------	---------------------	---	----------------------------------



LEGEND

- (AP1) 3 1/2" HMA PAVEMENT 4 LT 58-28 S
- (CP9) CONCRETE PAVEMENT 9-INCH
- (EX) EXISTING PAVEMENT TO REMAIN
- (DWI) BASE AGGREGATE DENSE 3/4-INCH
- (AP6) 3 1/4" HMA PAVEMENT 4 MT 58-28 S
- (AP6) 3 1/4" HMA PAVEMENT 3 MT 58-28 S

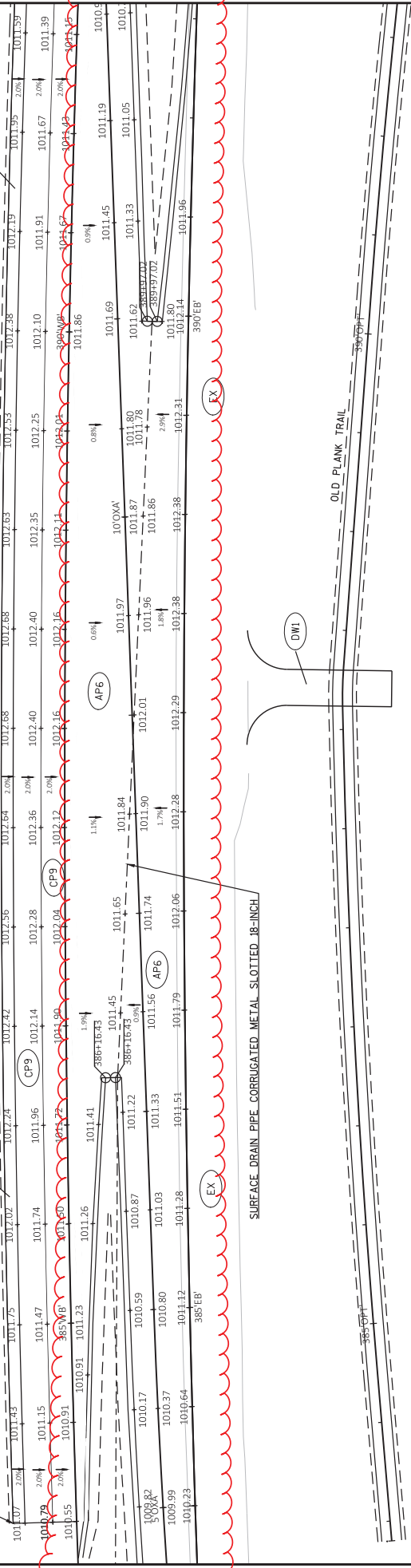
BEGIN CONSTRUCTION
S/A 384'WB'00

(AP1)

(CP9)

(AP6)

(EX)



SURFACE DRAIN PIPE CORRUGATED METAL SLOTTED 18-INCH

OLD PLANK TRAIL

(DWI)

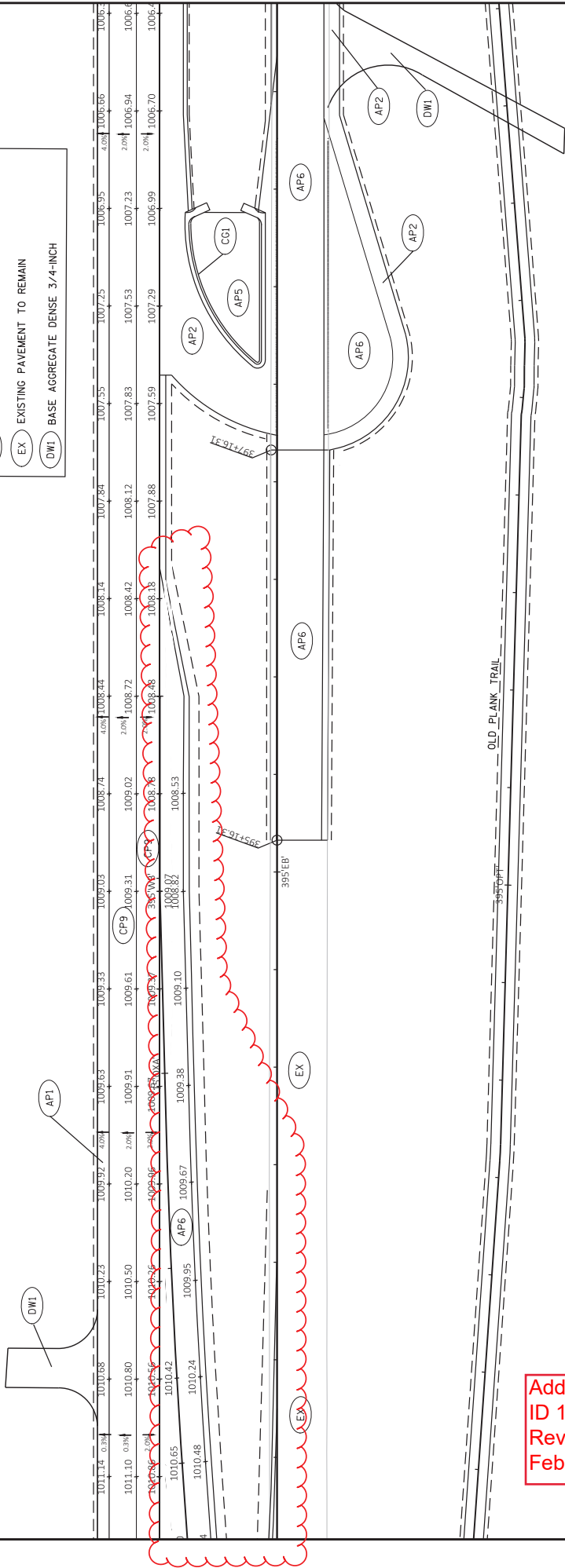
(EX)

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 104
 February 28, 2020

PROJECT NO: 1440-15-72/73	HWY: 5TH Z3	COUNTY: FOND DU LAC	PAVING DETAILS	SHEET 104	E
FILE NAME: N:\PDS\320\1440150150\SHETS\PAVING\DETAILS\PAVING DETAILS.DWG	LAYOUT NAME: Pav Detail1	FLYBY: VOGEL, KURT MICHAEL	FLYBY: VOGEL, KURT MICHAEL	1 IN=50 FT	WISDOT/CADDS SHEET 42
	DATE: 2/20/2020 4:16 PM				



- LEGEND**
- (AP1) 3 1/2" HMA PAVEMENT 4 LT 58-28 S
 - (AP2) 1 3/4" HMA PAVEMENT 4 LT 58-28 H
 - (AP3) 3 1/4" HMA PAVEMENT 3 LT 58-28 S
 - (AP5) ASPHALTIC SURFACE 2-INCH
 - (AP6) 1 3/4" HMA PAVEMENT 4 MT 58-28 S
 - (AP7) 3 1/4" HMA PAVEMENT 3 MT 58-28 S
 - (CG1) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
 - (CP9) CONCRETE PAVEMENT 9-INCH
 - (EX) EXISTING PAVEMENT TO REMAIN
 - (DWI) BASE AGGREGATE DENSE 3/4-INCH



Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 105
 February 28, 2020

GENERAL NOTES: TRAFFIC CONTROL:

PLACE VERTICAL IMPACT RECOVERY PANELS AT AN OFFSET 4 FEET FROM THE PAVEMENT MARKING AS SHOWN.
TEMPORARY DELINEATORS SHALL BE PLACED 2 FEET FROM THE EDGLINES



CROSSOVER "A" CONSTRUCTION R/L

SEE PAVEMENT MARKING DETAIL FOR WEST CROSSOVER



50'

25'

STA 3800'EB+82 (START VERTICAL PANELS)

STA 3855'EB+82 (END VERTICAL PANELS)

TRAFFIC CONTROL FOR CROSS OVER "A" (WEST END CONNECTION)
END OF OF STAGE 2C

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 360
February 28, 2020

SYMBOLS

- DIRECTION OF TRAFFIC FLOW
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- VERTICAL IMPACT RECOVERY PANEL/BASE
- DELINEATOR W/ SINGLE DELINEATOR COLOR OF DELINEATOR SHALL MATCH RESPECTIVE EDGLINE MARKING.

PROJECT NO: 1440-15-72/73

HWY: STH 23

COUNTY: FOND DU LAC

TRAFFIC CONTROL - PERMANENT

SHEET 360

E

FILE NAME: N:\PDS\320\1440\15\72\73\TRAFFIC CONTROL\CROSSOVERS A DETAIL.DWG

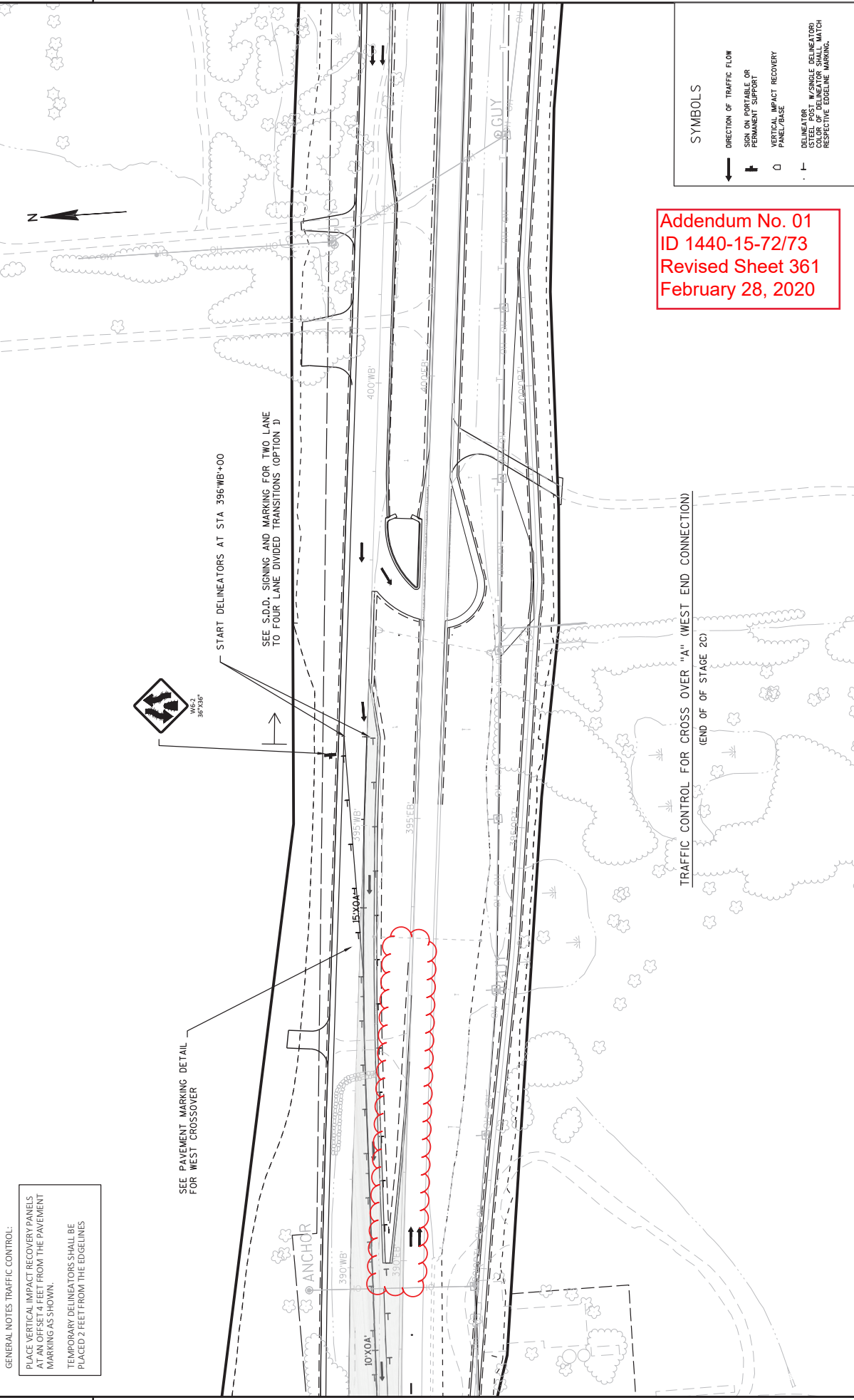
LAYOUT NAME: Crossover A Detail 1

PLOT DATE: 2/21/2020 8:50 AM

PLOT BY: VOGEL, KURT MICHAEL

PLOT SCALE: 1 IN=100 FT

WISDOT/CADD/SHEET 42



GENERAL NOTES: TRAFFIC CONTROL:
 PLACE VERTICAL IMPACT RECOVERY PANELS AT AN OFFSET 4 FEET FROM THE PAVEMENT MARKING AS SHOWN.
 TEMPORARY DELINEATORS SHALL BE PLACED 2 FEET FROM THE EDGELINES

SEE PAVEMENT MARKING DETAIL FOR WEST CROSSOVER

START DELINEATORS AT STA 396'WB+00

SEE S.D.D. SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS (OPTION 1)



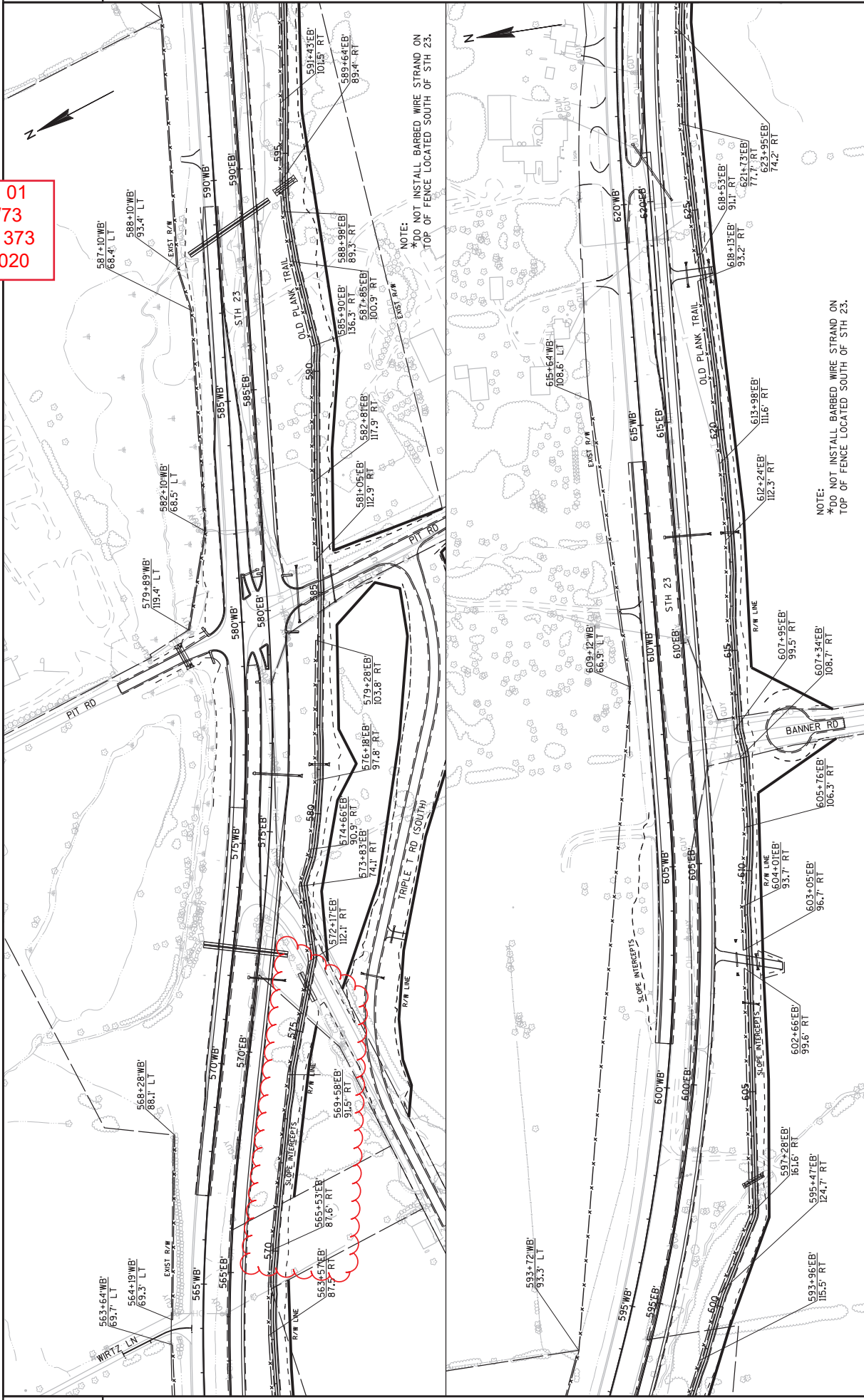
Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 361
 February 28, 2020

SYMBOLS

- ← DIRECTION OF TRAFFIC FLOW
- ▬ SIGN ON PORTABLE OR PERMANENT SUPPORT
- VERTICAL IMPACT RECOVERY PANEL/BASE
- ┆ DELINEATOR W/SINGLE DELINEATOR; COLOR OF DELINEATOR SHALL MATCH RESPECTIVE EDGELINE MARKING.

PROJECT NO: 1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	TRAFFIC CONTROL - PERMANENT	SHEET 361	E
FILE NAME: N:\PDS\3DU\44015\015\015\TRAFFIC CONTROL\CROSSOVERS A DETAIL.DWG	LAYOUT NAME: Crossover A Detail 2	PLOT DATE: 2/21/2020 8:52 AM	FLOT BY: VOGEL, KURT MICHAEL	PLOT SCALE: 1 IN=100 FT	WISDOT/CADD/SHEET 42

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 373
 February 28, 2020



NOTE:
 *DO NOT INSTALL BARBED WIRE STRAND ON
 TOP OF FENCE LOCATED SOUTH OF STH 23.

NOTE:
 *DO NOT INSTALL BARBED WIRE STRAND ON
 TOP OF FENCE LOCATED SOUTH OF STH 23.

ROADWAY	FRONT TO STATION	LOCATION	205,610 COMBINED EXCAVATION		205,640 AVAILABLE MATERIAL	208,1100 SELECT BORROW MARSH BACKFILL (7)	208,1100 SELECT BORROW EBS BACKFILL (8)	UNEXPANDED FILL (9)	877,655.61 ROADWAY EMBANKMENT (10)
			CUT (2)	EXCAVATION (3)					
Division 1									
STAGE 1A									
Westbound (WB)	384WB+00-449WB+88	WB	36,848	8,013	38,848	30,760	7,921	79,848	79,848
Crossover B1									
DIVISION 1 SUBTOTAL			36,848	8,013	38,848	30,760	7,921	79,848	79,848
Division 2									
STAGE 2A									
Westbound (WB)	457WB+62-670WB+33	WB	34,648	9,804	34,648	5,169	10,369	70,833	70,833
Eastbound (EB)	397EB+25-763EB+60	EB	1,400	0	1,400	0	0	1,400	1,400
Crossover A	379WB+00-389WB+00	WB	0	0	0	0	0	0	0
Crossover B2	383WB+00-733WB+06	WB	0	0	0	0	0	0	0
CHG Rk to Trail	189WB+00-215WB+00	Trail	8,644	0	8,644	0	0	5,136	5,136
Seven Hills Rd	189WB+00-215WB+00	Trail	649	0	649	0	0	782	782
Henn Rd	497WB+00-511WB+19	Henn Rd	0	349	349	0	0	465	465
Log Tavern Rd	391LW+00-503LW+00	Log Tavern Rd	1,111	0	1,111	0	0	209	209
PK Rd	407WB+01-487WB+53	PK Rd	3,839	209	3,839	0	0	75	75
Hickory Rd	00BK+43-01BK+48	PK Rd	838	0	838	0	0	115	115
Division Rd	00HK+66-02HK+29	PK Rd	469	0	469	0	0	147	147
Division Rd	111DV+05-12DV+60	PK Rd	1,734	0	1,734	0	0	147	147
TTT Rd South	10TTTS+03-25TTTS+55	PK Rd Connect	14,523	0	14,523	0	0	37	37
Hickory Rd	45HV+21-763HV+42	Hickory Rd	1,854	210	1,854	0	0	330	330
Frontage Rd	00FR+73-33FR+57	Frontage Rd	16,205	0	16,205	0	0	1,854	1,854
Park and Ride	00PR+10-04PR+14	Park and Ride	3,621	0	3,621	0	0	4,579	4,579
CHG Interchange	37G+00-03G+00	CHG	8,789	1,860	8,789	0	0	1,634	1,634
NE Ramp	71NE+00-73NE+25	NE Ramp	1,093	0	1,093	0	0	106,938	106,938
SE Ramp	71SE+20-73SE+00	SE Ramp	40,995	0	40,995	0	0	7,714	7,714
SW Ramp	69SW+00-71SW+00	SW Ramp	5,471	15,146	5,471	0	0	2,341	2,341
NW Ramp	69NW+00-71NW+00	NW Ramp	5,471	0	5,471	0	0	178,172	178,172
Crossover B2 Removal	654WB+20	WB	0	0	0	0	0	59,960	59,960
Shallow Rpe Exc.			529,276	58,540	529,276	5,304	35,618	738,814	738,814
STAGE 2A SUBTOTAL			529,276	58,540	529,276	5,304	35,618	738,814	738,814
Division 3									
STAGE 3A									
TTT Rd South	10TTTS+03-15TTTS+00	PK Rd Connect	739	0	739	0	0	9	9
Shallow Rpe Exc.			330	0	330	0	0	0	0
STAGE 3A SUBTOTAL			1,069	0	1,069	0	0	9	9
DIVISION 3 SUBTOTAL			1,069	0	1,069	0	0	9	9
Division 4									
STAGE 4A									
Westbound (WB)	397WB+00-453WB+00	WB	7,326	325	7,326	3,252	493	14,537	14,537
Eastbound (EB)	397EB+25-482EB+00	EB	10,867	0	10,867	466	0	3,569	3,569
Crossover B2	472EB+00-482EB+00	EB	462	0	462	0	0	1,789	1,789
Seven Hills Rd South	145SH+24-17SH+48	Seven Hills Rd	1,149	0	1,149	0	0	29	29
CTH W South	00WMS+00-02WMS+70	CTH W South	655	0	655	0	0	247	247
DIVISION 4 SUBTOTAL			20,559	325	20,559	2,998	493	20,171	20,171
STAGE 4A SUBTOTAL			20,559	325	20,559	2,998	493	20,171	20,171

ROADWAY	FRONT TO STATION	LOCATION	205,610 COMBINED EXCAVATION		205,640 AVAILABLE MATERIAL	208,1100 SELECT BORROW MARSH BACKFILL (7)	208,1100 SELECT BORROW EBS BACKFILL (8)	UNEXPANDED FILL (9)	877,655.61 ROADWAY EMBANKMENT (10)
			CUT (2)	EXCAVATION (3)					
Division 4									
STAGE 4B									
Westbound (WB)	482WB+00-511WB+30	CTH W North	24,580	1,436	24,580	0	0	1,289	1,289
531WB+10-545WB+25	Log Tavern Rd	Log Tavern Rd	4,969	0	4,969	0	0	189	189
579WB+60-589WB+40	PK Rd	PK Rd	7,358	0	7,358	0	0	0	0
579WB+60-589WB+37	PK Rd	PK Rd	307	27	307	0	0	271	271
579WB+60-589WB+25	PK Rd	PK Rd	101	57	101	0	0	0	0
601WB+25-606WB+30	W&B Removal	W&B Removal	1,843	0	1,843	0	0	0	0
633WB+75-643WB+65	TTT Rd North	TTT Rd North	6,089	0	6,089	0	0	429	429
659WB+75-670WB+60	TTT Rd North	TTT Rd North	43	0	43	0	0	0	0
659WB+75-670WB+53	Hickory Rd	Hickory Rd	5,960	0	5,960	0	0	115	115
50WMS+00-51WMS+70	Project Limits	Project Limits	2,995	0	2,995	0	0	0	0
37LW+38-39LW+15	Log Tavern Rd	Log Tavern Rd	1,045	0	1,045	0	0	144	144
00TTT+00-05TTT+22	TTT Rd North	TTT Rd North	524	0	524	0	0	100	100
581WB+00	WB	WB	802	0	802	0	0	24	24
Shallow Rpe Exc.			375	0	375	0	0	0	0
STAGE 4B SUBTOTAL			57,000	1,500	57,000	0	0	2,962	2,962
DIVISION 4 SUBTOTAL			57,000	1,500	57,000	0	0	2,962	2,962
Division 5									
STAGE 5C									
Westbound (WB)	141WB+30-151WB+15	Seven Hills Rd Median	15	0	15	0	0	0	0
467WB+00-483WB+45	Henn Rd	Henn Rd	8	0	8	0	0	36	36
464WB+00-480WB+45	CTH W North Median	CTH W North Median	208	0	208	0	0	6	6
482WB+00-492WB+00	Hickory Rd	Hickory Rd	196	32	196	0	0	0	0
482WB+00-492WB+00	Lehr Rd	Lehr Rd	82	0	82	0	0	19	19
482WB+00-492WB+00	Hickory Rd	Hickory Rd	33	0	33	0	0	46	46
472EB+00-482EB+00	EB	EB	2,980	0	2,980	0	0	0	0
675EB+00-685EB+00	EB	EB	2,781	0	2,781	0	0	0	0
Crossover B2 Removal			6,266	65	6,266	0	0	63	63
Shallow Rpe Exc.			1,500	0	1,500	0	0	0	0
STAGE 5C SUBTOTAL			62,366	65	62,366	0	0	63	63
DIVISION 5 SUBTOTAL			62,366	65	62,366	0	0	63	63
GRAND TOTAL			651,750	30,440	651,750	30,448	42,618	44,032	841,867
			651,750	30,440	651,750	30,448	42,618	44,032	841,867

Addendum No. 01
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 February 28, 2020

- NOTES:
- (1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205,0100
 - (2) SALVAGED UNSUABLE PAVEMENT MATERIAL AND EXCAVATION FOR SUBGRADE IMPROVEMENT IS INCLUDED IN CUT.
 - (3) EBS EXCAVATION MATERIAL IS UNSUABLE WITHIN PROJECT LIMITS AND IS TO BE BACKFILLED WITH SELECT BORROW OR SELECT CRUSHED MATERIAL AS SHOWN IN THE PLAN. ESTIMATED DEPTH OF 3 FEET; A CTUAL DEPTH VARIES AND IS TO BE DETERMINED IN-FIELD BY ENGINEER.
 - (4) AVAILABLE MATERIAL = CUT
 - (5) MARSH EXCAVATION MATERIAL IS UNSUABLE WITHIN PROJECT LIMITS AND IS TO BE BACKFILLED WITH SELECT BORROW MATERIAL. ESTIMATED DEPTH OF 3 FEET; A CTUAL DEPTH VARIES AND IS TO BE DETERMINED IN-FIELD BY ENGINEER.
 - (6) MARSH BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL TO ONE (1) FOOT ABOVE NATURAL GROUND. ITEM NUMBER 208,1100
 - (7) MARSH BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL TO ONE (1) FOOT ABOVE NATURAL GROUND. ITEM NUMBER 208,1100
 - (8) EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL TO ONE (1) FOOT ABOVE NATURAL GROUND. ITEM NUMBER 208,1100
 - (9) UNEXPANDED FILL ADJUSTED TO ACCOUNT FOR SELECT BORROW MATERIAL BEING BACKFILLED TO ONE (1) FOOT ABOVE NATURAL GROUND. SEE CONSTRUCTION DETAILS FOR MORE INFORMATION.
 - (10) SEE CONSTRUCTION DETAILS FOR MORE INFORMATION
- **QUANTITIES SHOWN ELSEWHERE IN PLAN**
 EBS EXCAVATION FOR THE SW RAMP AND CTH G IS TO BE BACKFILLED WITH ROADWAY EMBANKMENT

NEW_CULVERT_PIPES_WITH_TRANSITION_SUMMARY

STATION	LOCATION	CY	TON	REMARKS
572'WB'+65	STH 23 WB	330	37	CULVERT PIPE REPLACEMENT STAGE 1B
581'WB'+00	STH 23 WB	375	---	CULVERT PIPE REPLACEMENT STAGE 2B
654'WB'+20	STH 23 WB	532	47	CULVERT PIPE REPLACEMENT STAGE 1A
SUBTOTAL		1,237	84	851

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

DISPOSAL_OF_CONTAMINATED_MATERIALS

STATION	TO	STATION	OFFET	LOCATION	TON
619'EB'+30	-	620'EB'+40	70' RT	STH 23	150
PROJECT TOTAL					150

205.0501.S
EXCAVATION,
HAULING, AND
DISPOSAL OF
PETROLEUM
CONTAMINATED
MATERIAL

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BASE_AGGREGATE_SUMMARY - TEMPORARY_CROSSOVERS

STATION	TO	STATION	LOCATION	TON	TON	MGAL	REMARKS
380'WB'+50	-	392'WB'+87	CROSSOVER A	373	5,758	86	STAGE 1A
481'WB'+00	-	486'WB'+12	CROSSOVER B1	116	1,122	17	STAGE 1A
675'WB'+00	-	686'WB'+00	CROSSOVER C	133	3,293	48	STAGE 1A
473'WB'+00	-	484'WB'+00	CROSSOVER B2	194	3,761	55	STAGE 2A
SUBTOTALS				816	13,935	207	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

DUST_CONTROL_SUMMARY

STATION	TO	STATION	LOCATION	MGAL
384'WB'+00	-	745'WB'+60	STH 23	959
SUBTOTAL				959

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

*624.0100
WATER

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

BASE AGGREGATE SUMMARY CONTINUED

I440-15-73

*305.0110 *305.0120 *312.0115 *624.0100

BASE SELECT BASE SELECT
AGGREGATE CRUSHED WATER
DENSE MATERIAL
3/4-INCH 1 1/4-INCH

STATION TO STATION	LOCATION	TON	TON	TON	MGAL	REMARKS
522'WB'+59 - 523'WB'+65	STH 23 WB	27	520	398	8	MAINLINE
529'WB'+58 - 540'WB'+84	STH 23 MEDIAN	33	1,159	1,643	17	INTERSECTION & TURN LANES
533'WB'+80 - 543'WB'+00	LOG TAVERN ROAD NORTH OF STH 23	62		927	14	INTERSECTION & TURN LANE
33'LT'+32 - 34'LT'+90	LOG TAVERN ROAD	37	710	--	10	CUL-DU-SAC
531'WB'+10 - 543'WB'+00	STH 23 WB	307	5,835	4,185	86	MAINLINE
567'WB'+20 - 575'WB'+80	STH 23 WB	188	--	--	3	MAINLINE (MILL/OVERLAY)
573'WB'+23 - 587'WB'+41	STH 23 MEDIAN	32	3,317	3,167	47	INTERSECTION & TURN LANES
575'WB'+80 - 589'WB'+42	STH 23 WB	351	6,678	5,112	98	MAINLINE
579'WB'+04 - 584'WB'+54	PIT ROAD NORTH OF STH 23	37	1,680	598	24	INTERSECTION & TURN LANE
574'EB'+84 - 579'EB'+55	STH 23 EB, RT	20	251	478	4	TURN LANE
44'PT'+50 - 40'PT'+00	PIT ROAD SOUTH OF STH 23	51	739	433	11	INTERSECTION
10'TTS'+00 - 25'TTS'+87	TRIPLE T ROAD	310	3,225	--	49	SIDE ROAD CONNECTION
606'WB'+50 - 609'WB'+20	STH 23 WB	59	--	--	1	MAINLINE (MILL/OVERLAY)
615'EB'+10 - 626'EB'+10	STH 23 MEDIAN	56	1,600	1,695	1	MEDIAN CROSSOVER & TURN LANES
627'EB'+57 - 632'EB'+67	STH 23 EB, LT	13	1,870	591	26	TURN LANE
629'WB'+73 - 640'WB'+55	STH 23 WB, LT	279	3,869	4,061	58	MAINLINE
632'WB'+80 - 639'WB'+30	STH 23 MEDIAN	13	2,020	1,406	28	INTERSECTION & WB TURN LANE
633'WB'+87 - 638'WB'+54	STH 23 WB, LT	33	959	530	14	TURN LANE
0'TTN'+25 - 2'TTN'+26	TRIPLE T ROAD NORTH OF STH 23	22	596	386	9	INTERSECTION
658'WB'+75 - 670'WB'+33	STH 23 WB	299	3,736	4,346	56	MAINLINE
50'HW'+87 - 52'HW'+50	HILLVIEW ROAD NORTH OF STH 23	18	249	474	4	INTERSECTION
663'WB'+17 - 668'WB'+31	STH 23 WB, LT	37	1,343	627	19	TURN LANE
656'EB'+00 - 662'EB'+79	STH 23 MEDIAN	37	1,173	1,329	17	INTERSECTION & TURN LANE
657'EB'+19 - 662'EB'+02	STH 23 EB, RT	36	590	507	9	TURN LANE
46'HW'+69 - 49'HW'+74	HILLVIEW ROAD SOUTH OF STH 23	50	736	442	11	INTERSECTION
689'WB'+00 - 692'WB'+00	STH 23 WB	66	--	--	1	MAINLINE (MILL/OVERLAY)
689'EB'+00 - 690'EB'+00	STH 23 MEDIAN	981	5500	--	91	MAINTENANCE CROSSOVER
714'WB'+00 - 723'WB'+70	STH 23 WB	212	--	--	3	MAINLINE (MILL/OVERLAY)
690'NW'+28 - 706'NW'+50	CTH G, NW RAMP	161	3226	--	47	RAMP
695'SW'+54 - 701'SW'+50	CTH G, SW RAMP	56	924	--	14	RAMP
726'NE'+00 - 730'NE'+95	CTH G, NE RAMP	52	1167	--	17	RAMP
730'SE'+00 - 744'SE'+17	CTH G, SE RAMP	133	1950	--	29	RAMP
0'BN'+05 - 1'BN'+80	BANNER ROAD	42	805	--	12	CUL-DU-SAC
0'HK'+97 - 3'HK'+15	HICKORY ROAD	50	895	--	13	CUL-DU-SAC
11'DV'+13 - 13'DV'+14	DIVISION ROAD	43	818	--	12	CUL-DU-SAC
0'FR'+72 - 33'FR'+57	FRONTAGE ROAD	620	6,308	--	97	SIDE ROAD CONNECTION
0'PR'+72 - 3'PR'+96	PARK & RIDE	103	2,313	--	34	PARKING LOT & ROADWAY
741'WB'+41 - 747'WB'+00	STH 23 WB	122	--	--	2	MAINLINE (MILL/OVERLAY)
SUBTOTALS		5,048	67,687	33,333	996	
PROJECT TOTAL		23,567	261,789	266,848	4,888	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

COUNTY: FOND DU LAC

MISCELLANEOUS QUANTITIES

HWY: STH 23

PROJECT NO: 1440-15-7273

FILE NAME: N:\PDS\1440200_mq.ppk

PLOT DATE: June 14, 1911

PLOT NAME: PLOT SCALE: 1:1

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

SHEET: 430

E

Addendum No. 01
ID 1440-15-7273
Revised Sheet 430
February 28, 2020

ASPHALTIC CONCRETE PAVEMENT SUMMARY

1440-15-73

*455.0605 *460.5223 *460.5224 460.5424 *460.6223 *460.6224 *460.6224

TACK COAT HMA PAVEMENT HMA PAVEMENT HMA PAVEMENT HMA PAVEMENT HMA PAVEMENT HMA PAVEMENT

Table with columns: STATION TO STATION, LOCATION, GAL, TON, TON, TON, TON, TON, TON, TON, REMARKS. Includes rows for stations 380+50 to 487+06 and a SUBTOTALS row.

2,421 1,438

Addendum No. 01 ID 1440-15-72/73 Revised Sheet 436 February 28, 2020

PROJECT NO: 1440-15-72/73 HWY: STH 23 COUNTY: FOND DU LAC MISCELLANEOUS QUANTITIES ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 SHEET: 436 E

ASPHALTIC CONCRETE PAVEMENT SUMMARY CONTINUED

1440-15-73
*455.0605 *460.5223 *460.5224 460.5424 *460.6223 *460.6224
TACK COAT HMA PAVEMENT HMA PAVEMENT HMA PAVEMENT HMA PAVEMENT HMA PAVEMENT HMA PAVEMENT

Table with columns: STATION TO, STATION, LOCATION, GAL, TON, TON, TON, TON, TON, TON, REMARKS. Includes rows for various road sections like STH 23 WB, SEVEN HILLS ROAD, etc.

Handwritten red annotations: 2,807, 1,842, 9,593, 5,403

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 1440-15-7273 HWY: STH 23 COUNTY: FOND DU LAC MISCELLANEOUS QUANTITIES SHEET: 438 E
ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 438
February 28, 2020

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 441
 February 28, 2020

3

3

CULVERT PIPE SUMMARY - PROJECT TOTALS

1440-15-72

*520.2024 CULVERT PIPE TEMPORARY 24-INCH	*520.3142 CULVERT PIPE CLASS III 42-INCH	*520.3154 CULVERT PIPE CLASS III 54-INCH	*520.3318 CULVERT PIPE CLASS III-A 18-INCH	*520.3324 CULVERT PIPE CLASS III-A 24-INCH	*520.3330 CULVERT PIPE CLASS III-A 30-INCH	*520.3336 CULVERT PIPE CLASS III-A 36-INCH	*520.4142 CULVERT PIPE CLASS IV 42-INCH	*520.4154 CULVERT PIPE CLASS IV 54-INCH
LF	LF	LF	LF	LF	LF	LF	LF	LF
1,123	71	173	576	3,218	433	398	208	87
*520.4160 CULVERT PIPE CLASS IV 60-INCH	*522.0112 CULVERT PIPE REINFORCED CONCRETE CLASS III 12-INCH	*522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH	*522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH	*522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH	*522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH	*522.0142 CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH	*522.0148 CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH	*522.0154 CULVERT PIPE REINFORCED CONCRETE CLASS III 54-INCH
LF	LF	LF	LF	LF	LF	LF	LF	LF
142	99	142	2,898	943	628	149	200	906
*522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH	*522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH	*522.0460 CULVERT PIPE REINFORCED CONCRETE CLASS IV 60-INCH	*522.2319 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH	*522.2324 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH	*522.2338 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 38X60-INCH	*522.2419 CONCRETE PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH	*524.0142 CULVERT PIPE SALVAGED 42-INCH	*524.0154 CULVERT PIPE SALVAGED 54-INCH
LF	LF	LF	LF	LF	LF	LF	LF	LF
650	203	382	521	190	104	63	40	24

*DETAILS SHOWN ELSEWHERE

PROJECT NO: 1440-15-72/73

HWY: STH 23

COUNTY: FOND DU LAC

MISCELLANEOUS QUANTITIES

SHEET: 441

FILE NAME : N:\PDS\...030200_mq.ppk

PLOT DATE : June 14, 1911

PLOT NAME :

PLOT SCALE : 1:1

APRON ENDWALLS FOR CULVERT PIPE SUMMARY -- PROJECT TOTALS
1440-15-72

*504.0900 CONCRETE MASONRY ENDWALLS	*520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH	*520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH	*520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH	*520.1030 APRON ENDWALLS FOR CULVERT PIPE 30-INCH	*520.1036 APRON ENDWALLS FOR CULVERT PIPE 36-INCH	*520.1042 APRON ENDWALLS FOR CULVERT PIPE 42-INCH	*520.1054 APRON ENDWALLS FOR CULVERT PIPE 54-INCH	*522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH
CY	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
53	6	9	126	14	16	10	14	36

*522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH	*522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH	*522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH	*522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH	*522.1054 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 54-INCH	*522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH	*522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH	*522.2638 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 38X60-INCH	*524.0642 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 42-INCH
EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
10	6	1	2	3	17	10	8	2

*524.0654 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 54-INCH	*633.5200 CULVERT MARKER ENDS
EACH	EACH
1	189

*DETAILS SHOWN ELSEWHERE

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 442
February 28, 2020

CULVERT PIPE STRUCTURE SUMMARY

1440-15-72

STRUCTURE NUMBER	STATION	OFFSET	LOCATION	RIM ELEVATION		INVERT ELEVATION	611.0535 MANHOLE COVERS		611.0615 INLET COVERS		611.2006 MANHOLES 6-FT DIAMETER		*611.3004 INLETS 4-FT DIAMETER		611.3253 INLETS 2.5X3-FT		611.3902 INLETS MEDIAN 2 GRATE		REMARKS	
				TYPE J-- SPECIAL EACH	TYPE F EACH		TYPE MS EACH	TYPE MS EACH	TYPE MS EACH	TYPE MS EACH	TYPE MS EACH	TYPE MS EACH	TYPE MS EACH	TYPE MS EACH	TYPE MS EACH	TYPE MS EACH	TYPE MS EACH	TYPE MS EACH		TYPE MS EACH
2	407'WB'+21	32.6' RT	STH 23	998.19	993.50	993.50	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 1A	
3	409'WB'+99	29.2' RT	STH 23	996.16	992.31	992.31	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 1A	
4	414'WB'+30	17.8' RT	STH 23	995.77	991.61	991.61	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 1A	
5	414'WB'+85	11.0' RT	STH 23	996.42	990.50	990.50	---	---	1	---	---	---	---	---	---	---	---	---	STAGE 1A	
6	414'WB'+93	28.9' RT	STH 23	996.05	991.44	991.44	---	---	---	---	---	---	1	---	---	---	---	---	STAGE 2C	
7	414'WB'+61	54.5' RT	STH 23	996.74	992.33	992.33	---	---	---	---	---	---	1	---	---	---	---	---	STAGE 2C	
8	417'WB'+25	5.1' RT	STH 23	993.90	986.92	986.92	---	---	1	---	---	---	---	---	---	---	---	---	STAGE 1A	
9	417'WB'+25	12.6' RT	STH 23	993.65	987.00	987.00	---	---	1	---	---	---	---	---	---	---	---	---	STAGE 1A	
10	419'WB'+29	35.9' RT	STH 23	988.12	982.20	982.20	---	---	---	---	---	---	---	---	---	---	---	1	STAGE 1A	
11	428'WB'+80	22.1' RT	STH 23	970.32	964.00	964.00	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 1A	
12	429'WB'+66	25.1' RT	STH 23	971.67	968.51	968.51	---	---	---	---	---	---	1	---	---	---	---	---	STAGE 1A	
13	433'WB'+98	20.2' RT	STH 23	961.74	956.36	956.36	---	---	2	---	---	---	---	---	---	---	---	---	STAGE 1A	
14	447'WB'+00	27.0' RT	STH 23	951.80	948.80	948.80	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 1A	
15	461'WB'+00	31.2' RT	STH 23	958.29	953.79	953.79	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 1A	
16	466'WB'+40	47.9' RT	STH 23	965.54	959.79	959.79	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 2C	
17	466'WB'+40	54.3' RT	STH 23	965.69	959.99	959.99	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 2C	
18	468'WB'+27	29.0' RT	STH 23	969.47	965.06	965.06	---	---	1	---	---	---	---	---	---	---	---	---	STAGE 2C	
19	468'WB'+34	49.0' RT	STH 23	969.92	964.80	964.80	---	---	1	---	---	---	---	---	---	---	---	---	STAGE 1A	
20	469'WB'+00	45.1' RT	STH 23	970.15	963.50	963.50	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 1A	
21	469'WB'+00	5.37' RT	STH 23	972.12	963.61	963.61	---	---	1	---	---	---	---	---	---	---	---	---	STAGE 1A	
22	475'WB'+00	28.1' RT	STH 23	992.08	988.08	988.08	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 1A	
23	481'WB'+52	38.8' RT	STH 23	1014.88	1011.72	1011.72	---	---	1	---	---	---	1	---	---	---	---	---	STAGE 2C	
24	482'EB'+49	21.4' LT	STH 23	1015.22	1011.78	1011.78	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 2C	
25	485'EB'+89	23.0' LT	STH 23	1021.31	1017.90	1017.90	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 1A	
26	492'EB'+66	40.1' LT	STH 23	1023.34	1013.71	1013.71	---	---	2	---	---	---	---	---	---	---	---	1	STAGE 1A	
27	493'WB'+91	5.43' RT	STH 23	1024.68	1020.27	1020.27	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 2B	
28	494'WB'+15	32.47' RT	STH 23	1024.37	1019.50	1019.50	---	---	---	---	---	---	1	---	---	---	---	---	STAGE 2B	
29	493'WB'+62	47.69' RT	STH 23	1025.18	1013.59	1013.59	---	---	---	---	---	1	---	---	---	---	---	---	STAGE 1A	
30	496'EB'+36	54.0' LT	STH 23	1023.37	1016.50	1016.50	---	---	---	---	---	---	---	---	---	---	---	1	STAGE 1A	
			SUBTOTALS				1	15	26	1	5	10	13							

RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES OR THE CENTER OF THE STRUCTURE FOR FIELD INLETS

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 454
 February 28, 2020

CULVERT PIPE STRUCTURE SUMMARY CONTINUED

1440-15-72

STRUCTURE NUMBER	STATION	OFFSET	LOCATION	RIM ELEVATION		INVERT ELEVATION	SPECIAL TYPE	611.0535 MANHOLE COVERS		611.0615 INLET COVERS		611.0642 MANHOLES 5-FT DIAMETER		611.2005 MANHOLES 6-FT DIAMETER		*611.3004 INLETS 4-FT DIAMETER		611.3253 INLETS 2.5X3-FT MEDIAN		611.3902 INLETS 2 GRATE		REMARKS	
				EACH	EACH			EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		EACH
31	496'EB'+36	47.8' LT	STH 23	1023.18	1016.40	1016.40	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
32	504'WB'+00	25.8' RT	STH 23	1016.95	1013.00	1013.00	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
33	505'WB'+30	29.92' RT	STH 23	1018.54	1015.37	1015.37	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
34	513'EB'+00	32.6' LT	STH 23	1013.06	1009.06	1009.06	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
35	522'WB'+77	30.1' RT	STH 23	1009.51	1000.53	1000.53	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
36	562'EB'+00	25.9' LT	STH 23	972.09	968.50	968.50	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
37	571'EB'+68	18.6' LT	STH 23	953.94	950.36	950.36	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
38	576'EB'+31	39.0' LT	STH 23	949.20	943.95	943.95	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
39	581'WB'+17	42.3' RT	STH 23	951.12	946.65	946.65	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
40	591'EB'+00	29.8' LT	STH 23	963.67	959.67	959.67	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
41	602'EB'+00	24.8' LT	STH 23	951.12	985.38	985.38	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
42	612'EB'+41	29.3' LT	STH 23	999.14	990.35	990.35	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
43	621'WB'+34	30.2' RT	STH 23	1006.35	1004.06	1004.06	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
44	647'EB'+76	22.0' LT	STH 23	1015.48	1013.44	1013.44	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
45	651'EB'+00	22.5' LT	STH 23	1014.00	1011.79	1011.79	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
46	662'WB'+61	29.0' RT	STH 23	1032.47	1028.26	1028.26	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 2C
47	663'EB'+56	26.0' LT	STH 23	1032.03	1025.10	1025.10	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
48	669'EB'+74	20.0' LT	STH 23	1035.17	1028.80	1028.80	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
49	681'EB'+00	26.6' LT	STH 23	1032.46	1024.33	1024.33	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 2C
50	700'EB'+00	31.0' LT	STH 23	1024.35	1019.32	1019.32	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
51	722'EB'+13	34.1' LT	STH 23	1065.04	1059.35	1059.35	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
52	728'EB'+00	33.6' LT	STH 23	1074.02	1069.10	1069.10	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
53	743'EB'+99	26.0' LT	STH 23	1069.91	1065.61	1065.61	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	STAGE 1A
				SUBTOTAL	0	3	40	0	2	15	1	1	20										
				PROJECT TOTAL	1	18	66	1	2	66	1	11	33										

RIM ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES OR THE CENTER OF THE STRUCTURE FOR FIELD INLETS

HWY: STH 23

COUNTY: FOND DU LAC

MISCELLANEOUS QUANTITIES

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

SHEET: 454

E

PROJECT NO: 1440-15-72/73

HWY: STH 23

COUNTY: FOND DU LAC

MISCELLANEOUS QUANTITIES

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

SHEET: 454

E

FILE NAME: N:\PDS\1440200_mq.ppk

PLOT DATE: June 14, 1911

PLOT BY: A.R.H.

PLOT NAME:

PLOT SCALE: 1:1

CORRUGATED STEEL CULVERT PIPE THICKNESS

SIZE (INCH)	THICKNESS (INCH)
12	0.064
18	0.064
24	0.064
30	0.079
36	0.079
42	0.109
48	0.109
54	0.109
60	0.138
72	0.138

SALVAGED CULVERT PIPE

1440-15-72

STATION	LOCATION	LF	LF	EACH	EACH
384' EB'+18	STH 23 EB	24	---	1	---
397' EB'+03	STH 23 EB	---	24	---	1
425' EB'+75	STH 23 EB	16	---	1	---
SUBTOTAL		40	24	2	1

524.0142 SALVAGED 42-INCH
524.0154 SALVAGED 54-INCH
524.0642 APRON ENDWALLS FOR CULVERT PIPE
524.0654 APRON ENDWALLS FOR CULVERT PIPE

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 455
February 28, 2020

TEMPORARY PIPE FOR MEDIAN CROSSEVERS

1440-15-72

STATION (INLET)	TO	STATION (DISCH)	INLET ELEV.	DISCH ELEV.	CLASS	LF	EACH	REMARKS
386' WB'+24, 24.7' RT	-	383' WB'+50, 15.3' RT	1009.32	1007.0	*520.3318 CLASS III-A 18-INCH FOR CULVERT PIPE	322	1	CROSSOVER A
479' WB'+04, 22.4' RT	-	477' WB'+29, 40.7' RT	1008.3	1001.5	*520.1018 APRON ENDWALLS	175	---	CROSSOVER B
680' WB'+28, 17.1' RT	-	683' WB'+30, 45.6' RT	1031.5	1028.9	*520.2024 CULVERT PIPE 24-INCH	306	---	CROSSOVER C
SUBTOTAL						322	1	481

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE COLLARS FOR PIPE SUMMARY

1440-15-72

STATION	LOCATION	EACH	REMARKS
397' WB'+03	STH 23 WB	1	STAGE 1
407' WB'+29	STH 23 WB	1	STAGE 1&2B, SEE CONSTRUCTION DETAIL
425' WB'+75	STH 23 WB	2	STAGE 1
434' WB'+10	STH 23 WB	1	STAGE 1
462' WB'+03	STH 23 WB	2	STAGE 1&2B, SEE CONSTRUCTION DETAIL
467' WB'+50	STH 23 WB	4	STAGE 2B
493' WB'+42	STH 23 WB	1	STAGE 2B
507' WB'+48	STH 23 WB	2	STAGE 1
576' WB'+60	STH 23 WB	1	STAGE 1
581' WB'+00	STH 23 WB	1	STAGE 1&2B, SEE CONSTRUCTION DETAIL
612' WB'+44	STH 23 WB	1	STAGE 1
669' WB'+69	STH 23 WB	1	STAGE 1
680' WB'+22	STH 23 WB	1	STAGE 1
PROJECT TOTAL		19	

520.8000 CONCRETE COLLARS FOR PIPE

PROJECT NO: 1440-15-72/73

HWY: STH 23

COUNTY: FOND DU LAC

MISCELLANEOUS QUANTITIES

SHEET: 455

E

SURFACE DRAIN SUMMARY

1440-15-72

*521.2005.S
SURFACE DRAIN
PIPE CORRUGATED
METAL SLOTTED
18-INCH

STATION TO	STATION	LF	REMARKS
386'WB'+24, 25' RT	- 390'WB'+06, 39' RT	380	CROSSOVER A
473'WB'+85, 24' RT	- 478'WB'+00, 0' RT	246	CROSSOVER B
684'WB'+07, 0' RT	- 686'WB'+45, 16' RT	239	CROSSOVER C
PROJECT TOTAL			835

* 6" special grate depth required

TEMPORARY SLOPE DRAIN SUMMARY

1440-15-72

SPV.0060.01

STATION	LOCATION	EACH
449'WB'+93	B-20-205	2
455'OPT'+00	B-20-215	2
49'G'+13	B-20-218	2
51'G'+16	B-20-218	2
PROJECT TOTAL		
8		

RUMBLE STRIP SUMMARY

1440-15-73

STATION TO	STATION	LOCATION	LF	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS	416.1110 CONCRETE SHOULDER RUMBLE STRIPS
384'WB'+00	- 413'WB'+71	STH 23 WB	1,782	2,409	---
384'EB'+00	- 397'EB'+16	STH 23 EB	---	2,643	---
400'EB'+20	- 408'EB'+70	STH 23 EB	852	967	---
416'EB'+07	- 429'EB'+92	STH 23 EB	1,306	787	---
420'WB'+64	- 466'WB'+86	STH 23 WB	4,000	3,947	---
429'EB'+92	- 461'EB'+70	STH 23 EB	34	4,335	---
469'EB'+26	- 488'EB'+45	STH 23 EB	1,552	1,694	---
473'WB'+12	- 493'WB'+08	STH 23 WB	1,404	1,228	---
496'EB'+02	- 535'EB'+06	STH 23 EB	3,651	2,671	---
499'WB'+76	- 533'WB'+51	STH 23 WB	3,029	3,285	---
535'EB'+06	- 574'EB'+34	STH 23 EB	3,921	3,509	---
540'WB'+82	- 578'WB'+77	STH 23 WB	934	6,266	---
581'EB'+11	- 633'EB'+23	STH 23 EB	5,094	3,850	---
585'WB'+39	- 632'WB'+06	STH 23 WB	2,577	5,118	---
633'EB'+23	- 656'EB'+69	STH 23 EB	2,347	2,064	---
638'WB'+54	- 661'WB'+36	STH 23 WB	358	3,982	---
663'EB'+12	- 745'EB'+60	STH 23 EB	7,321	8,235	---
663'WB'+74	- 745'WB'+60	STH 23 WB	1,405	13,810	---
PROJECT TOTAL			41,567	70,800	

BEAM GUARD SUMMARY

1440-15-73

STATION TO	STATION	LOCATION	LF	EACH	REMARKS
447'EB'+80	- 450'EB'+05	STH 23 EB RT	---	1	SPV.0090.03
448'EB'+39	- 453'EB'+36	STH 23 MEDIAN	46	1	RELAPING STEEL PLATE BEAM GUARD
448'WB'+52	- 452'WB'+92	STH 23 WB LT	46	2	FLEXIBLE FOR GUARD RAIL TERMINAL TYPE 2
35'LT'+00		LOG TAVERN RD	---	---	
1'BN'+95		BANNER RD	---	2	
0'HK'+80		HICKORY RD	---	2	CUL-DE-SAC
11'DIV'+28		DIVISION RD	---	25	CUL-DE-SAC
PROJECT TOTAL			92	1	4
PROJECT TOTAL			100	8	484

* INCIDENTAL TO BID ITEM 614.0370

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 459
February 28, 2020

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 464
February 28, 2020

EROSION CONTROL SUMMARY CONTINUED

1440-15-72

STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH	LF	LF	EACH	EACH
590'	EB'+04	-	599'	EB'+47	RT	1,000	---	---	---	---	---
602'	EB'+00	-	606'	EB'+00	RT	473	---	---	---	---	---
612'	EB'+00	-	614'	EB'+00	RT	211	---	---	---	---	---
626'	EB'+00	-	628'	EB'+00	RT	219	---	---	---	---	---
640'	EB'+00	-	642'	EB'+00	RT	228	---	---	---	---	---
652'	EB'+21	-	654'	EB'+53	RT	258	---	---	---	---	---
655'	EB'+04	-	662'	EB'+77	RT	826	---	---	---	---	---
659'	WB'+00	-	661'	WB'+50	LT	268	---	---	---	---	---
670'	EB'+00	-	679'	EB'+00	RT	896	---	---	---	---	---
678'	EB'+49	-	679'	EB'+91	RT	173	---	---	---	---	---
680'	EB'+20	-	681'	EB'+44	RT	156	---	---	---	---	---
687'	EB'+00	-	691'	EB'+00	RT	420	---	---	---	---	---
697'	EB'+43	-	704'	EB'+08	LT	670	---	---	---	---	---
700'	EB'+42	-	709'	EB'+81	RT	995	---	---	---	---	---
708'	EB'+00	-	726'	EB'+00	RT	---	---	---	---	---	20
739'	EB'+22	-	742'	EB'+15	RT	293	---	---	---	---	---
50'	HIN'+25	-	52'	HIN'+23	LT	226	---	---	---	---	---
0'	FR'+00	-	33'	FR'+57	---	---	---	---	---	---	---
				UNDISTRIBUTED		6,053	---	---	---	149	---
				SUBTOTAL		13,365	0	0	149	1,541	80
				PROJECT TOTAL		34,558	79	23	786	5,611	120

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

EROSION CONTROL MOBILIZATION - GRADING

1440-15-72

STATION	TO	STATION	EACH	EACH
384'	EB'+00	-	745'	EB'+60
1440-15-72 TOTAL				

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

EROSION CONTROL MOBILIZATION - PAVING

1440-15-73

STATION	TO	STATION	EACH	EACH
384'	EB'+00	-	745'	EB'+60
1440-15-73 TOTAL				

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PLOT SCALE: 1:1

PLOT NAME:

PLOT BY: A.R.H.

PLOT DATE: June 14, 1911

FILE NAME: N:\PDS\...030200_mq.ppk

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 466
February 28, 2020

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RESTORATION SUMMARY CONTINUED
1440-15-72

STATION	TO	STATION	LOCATION	SY	SY	SY	CWT	SEEDING MIX NO 20	SEEDING MIX NO 30	SEEDING TEMPORARY	REMARKS
661'WB'+00	-	700'WB'+00	STH 23 LEFT	5,440	3,926	1,514	3	67	53	147	NOTE A/B
661'WB'+00	-	700'WB'+00	STH 23 MEDIAN	19,855	16,535	3,319	13	---	357	536	NOTE B
661'WB'+00	-	690'WB'+00	STH 23 RIGHT	26,700	24,129	2,571	17	588	89	721	NOTE A/B
661'WB'+00	-	690'WB'+00	STH 23 RIGHT OF TRAIL	39,082	36,537	2,545	25	1,055	---	1,055	NOTE A
703'SW'+95	-	706'SW'+02	CTH G EB OFF RAMP RT	1,588	665	923	1	22	14	43	NOTE A/B
705'WB'+08	-	716'WB'+07	CTH G EB OFF RAMP LT	15,049	6,812	7,237	10	308	65	407	NOTE A/B
700'WB'+00	-	745'WB'+60	STH 23 MEDIAN	24,202	20,168	4,034	15	---	436	653	NOTE B
718'SE'+86	-	723'SE'+13	CTH G EB ON RAMP RT	14,009	12,733	1,276	9	284	63	379	NOTE A/B
690'WB'+00	-	715'WB'+08	STH 23 RIGHT OF TRAIL	6,542	3,830	2,712	4	177	---	177	NOTE A
722'WB'+72	-	727'WB'+30	CTH G EB ON RAMP LT	4,095	1,854	2,241	3	57	36	111	NOTE A/B
715'WB'+30	-	745'WB'+60	RIGHT FRONTAGE RD	29,676	28,286	1,390	19	651	100	801	NOTE A/B
0'FR'+00	-	33'FR'+57	RIGHT FRONTAGE RD LEFT	11,591	8,704	2,888	7	156	105	313	NOTE A/B
0'FR'+00	-	33'FR'+57	FRONTAGE RD LEFT	13,406	10,518	2,888	8	216	97	362	NOTE A/B
1'PR'+00	-	40'PR'+00	PARK AND RIDE	2,452	---	2,452	2	66	---	66	NOTE A
10'TTS'+00	-	25'TTS'+86	REALIGNED POPLAR LEFT	4,513	3,400	1,113	3	50	48	122	NOTE A/B
10'TTS'+00	-	25'TTS'+86	REALIGNED POPLAR RIGHT	7,088	5,852	1,236	4	120	48	191	NOTE A/B
33'LOG'+20	-	35'LOG'+08	LOG TAVERN RD CUL DE SAC	700	---	700	1	---	13	19	NOTE B
0'BAN'+05	-	2'BAN'+00	LOG TAVERN RD CUL DE SAC	1,191	---	1,191	1	---	21	32	NOTE B
0'HIC'+65	-	2'HIC'+25	HICORY RD CUL DE SAC	1,648	---	1,648	1	---	30	44	NOTE B
			UNDISTRIBUTED	170,741	134,685	31,844	108	2,698	1,287	4,610	
			SUBTOTAL	399,568	318,632	75,724	254	6,515	2,862	10,789	
			PROJECT TOTAL	998,676	852,790	209,427	696	16,298	7,105	25,333	

NOTE A: SEED MIXTURE NO. 20 USED FOR ALL HIGH CUT AND FILL SLOPES
NOTE B: SEED MIXTURE NO. 30 USED FOR MEDIANS AND SLOPES WITHIN 15 FEET OF THE SHOULDER
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TRACKING PADS
1440-15-72/73

PROJECT	LOCATION	EACH
1440-15-73	STH 23	10
SUBTOTAL		10
PROJECT TOTAL		12

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

WATER FOR SEED AREAS
1440-15-72/73

LOCATION	MGAL
UNDISTRIBUTED	337
SUBTOTAL	337
PROJECT TOTAL	2672

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

SOIL STABILIZER
1440-15-72/73

STATION	TO	STATION	LOCATION	ACRE	ACRE	ACRE
384'WB'+00	-	745'WB'+60	STH 23	2	2	2
			SUBTOTAL	6	7	7
			PROJECT TOTAL	6	7	7

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

BORROW PIT SEEDING
1440-15-72

STATION	TO	STATION	SY	CWT	SEEDING TEMPORARY	SEEDING TEMPORARY	SEEDING TEMPORARY
384'WB'+00	-	745'WB'+60	88,890	56	1,200	600	1,500
			SUBTOTAL	88,890	56	1,200	3,000
			PROJECT TOTAL	600	600	3,000	1,500

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 1440-15-72/73 HWY: STH 23 COUNTY: FOND DU LAC MISCELLANEOUS QUANTITIES ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 SHEET: 466 E

3

DELINEATORS
1440-15-73

STATION TO STATION	LOCATION	SPACING	EACH	633-0100 DELINEATOR POSTS STEEL	EACH	633-0500 DELINEATOR REFLECTORS	EACH	633-1100 DELINEATORS TEMPORARY	EACH
384'WB'+00 - 745'WB'+60	STH 23 WB	400' MAINLINE	91		91				
383'EB'+94 - 745'EB'+60	STH 23 EB	400' MAINLINE	91		91				
380'EB'+50 - 395'EB'+00	STAGE 2A CROSSOVER A	50'						12	
380'EB'+00 - 396'EB'+00	STAGE 2C CROSSOVER A	50'						58	
474'EB'+00 - 481'EB'+00	STAGE 2B CROSSOVER B2	50'						24	
675'WB'+00 - 686'WB'+00	STAGE 2B CROSSOVER C	50'						40	
PROJECT TOTAL			182		182			134	

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Revised Sheet 499
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FENCING

1440-15-73

616-0100 SPV.0060.09
WOVEN WIRE GATES WOOD
FENCE 4-FT DOUBLE LEAF
20-FOOT

STATION TO STATION	LOCATION	EACH	REMARKS
383'WB'+20 - 744'WB'+80	MAINLINE LT	31,574	NORTH OF STH 23
383'EB'+78 - 745'EB'+46	MAINLINE RT	36,043	SOUTH OF STH 23
669'OPT'+67 - 700'OPT'+49	OLD PLANK TRAIL	3,048	SOUTH OF OLD PLANK TRAIL
509'EB'+40	140' RT	1	SNOWMOBILE CROSSING
509'WB'+50	110' LT	1	SNOWMOBILE CROSSING
PROJECT TOTAL		70,665	2

TEMPORARY BYPASS CHANNEL

1440-15-72

SPV.0105.02 SPV.0105.03 SPV.0060.03
TEMPORARY TEMPORARY TEMPORARY SAND
BYPASS CHANNEL BYPASS CHANNEL BAG DIKE

STATION	LOCATION	LS	LS	LS	EACH
572'WB'+69	STH 23	1	---	---	4
588'WB'+75	STH 23	---	1	---	1
PROJECT TOTAL		1	1	1	5

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PROJECT NO: 1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	MISCELLANEOUS QUANTITIES	SHEET: 499	E
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FILE NAME: N:\PDS\1440200_mq.ppk

PLOT DATE: June 14, 1911

PLOT BY: A.R.H.

PLOT SCALE: 1:1

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 514
February 28, 2020

OLD PLANK TRAIL BASE AGGREGATE SUMMARY

1440-15-73

STATION	TO	STATION	LOCATION	TON	REMARKS
383'OPT'+90	-	415'OPT'+83	BOP - SEVEN HILLS RD	237	OLD PLANK TRAIL
415'OPT'+30	-	472'OPT'+16	SEVEN HILLS RD - CTH W	421	OLD PLANK TRAIL
472'OPT'+63	-	499'OPT'+25	CTH W - LOEHR RD	197	OLD PLANK TRAIL
499'OPT'+55	-	584'OPT'+94	LOEHR RD - PIT RD	705	OLD PLANK TRAIL
585'OPT'+30	-	641'OPT'+08	PIT RD - HILLVIEW RD	4,712	OLD PLANK TRAIL
641'OPT'+34	-	703'OPT'+20	HILLVIEW RD - PARK AND RIDE	4,358	OLD PLANK TRAIL
703'OPT'+46	-	733'OPT'+00	PARK AND RIDE - EOP	1,536	OLD PLANK TRAIL
CATEGORY 0060 TOTALS				2,650	19,517

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

*305.0110
BASE AGGREGATE DENSE 3/4-INCH 1 1/4-INCH

*305.0120
BASE AGGREGATE DENSE 1 1/4-INCH

OLD PLANK TRAIL ASPHALTIC CONCRETE PAVEMENT SUMMARY

1440-15-73

STATION	TO	STATION	LOCATION	GAL	TON	REMARKS
383'OPT'+90	-	414'OPT'+87	OLD PLANK TRAIL	172.1	612.5	BOP - SEVEN HILLS RD
415'OPT'+27	-	472'OPT'+19	OLD PLANK TRAIL	293.1	1,043.3	SEVEN HILLS RD - CTH W SOUTH
472'OPT'+61	-	499'OPT'+28	OLD PLANK TRAIL	146.1	520.3	CTH W SOUTH - LOEHR RD
499'OPT'+32	-	584'OPT'+97	OLD PLANK TRAIL	475.9	1,694.1	LOEHR RD - PIT ROAD
585'OPT'+27	-	641'OPT'+10	OLD PLANK TRAIL	466.5	1,104.2	PIT RD - HILLVIEW RD
641'OPT'+32	-	700'OPT'+66	OLD PLANK TRAIL	329.7	1,176.9	HILLVIEW RD - CTH G
701'OPT'+06	-	703'OPT'+23	OLD PLANK TRAIL	11.9	46.4	CTH G - PARK AND RIDE
703'OPT'+43	-	733'OPT'+07	OLD PLANK TRAIL	164.8	586.8	PARK AND RIDE - EOP
CATEGORY 0060 TOTALS				2,060	6,785	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

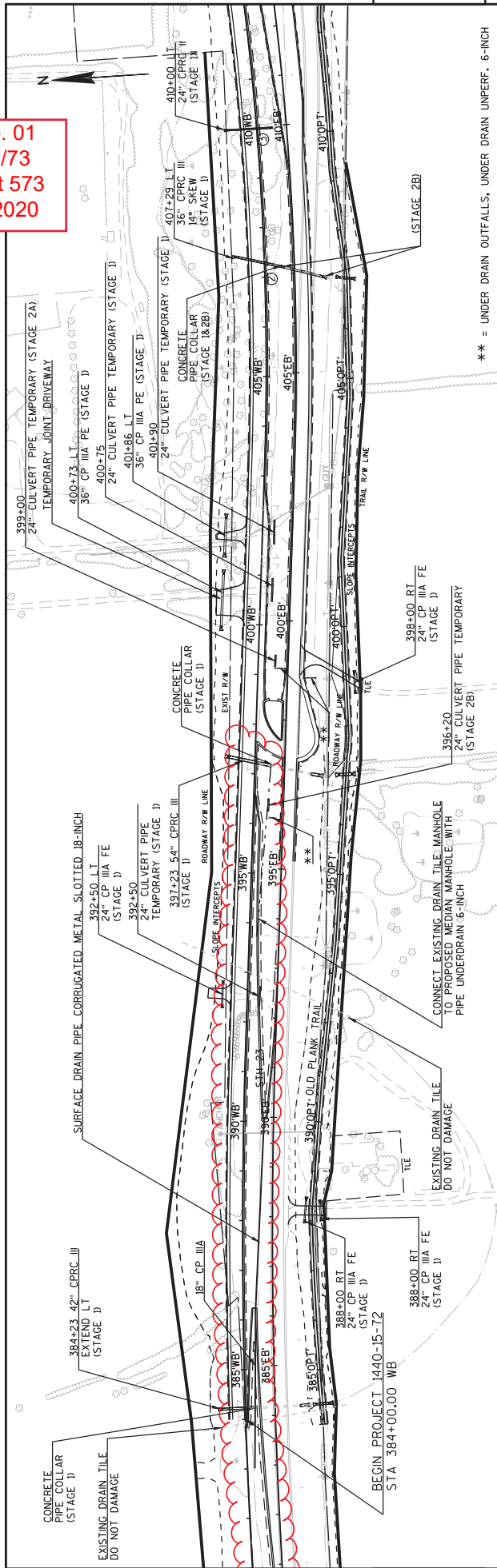
DETECTABLE WARNING FIELDS

1440-15-73

STATION	LOCATION	SF	SF	REMARKS	
414'OPT'+83	OLD PLANK TRAIL	36	20	SEVEN HILLS RD LT	
415'OPT'+31	OLD PLANK TRAIL	35	20	SEVEN HILLS RD RT	
472'OPT'+15	OLD PLANK TRAIL	35	20	CTH W SOUTH LT	
472'OPT'+64	OLD PLANK TRAIL	34	20	CTH W SOUTH RT	
499'OPT'+24	OLD PLANK TRAIL	44	20	LOEHR RD LT	
499'OPT'+56	OLD PLANK TRAIL	32	20	LOEHR RD RT	
584'OPT'+91	OLD PLANK TRAIL	34	23	PIT RD LT	
585'OPT'+28	OLD PLANK TRAIL	43	20	PIT RD RT	
641'OPT'+08	OLD PLANK TRAIL	30	20	HILLVIEW RD LT	
641'OPT'+34	OLD PLANK TRAIL	30	20	HILLVIEW RD RT	
700'OPT'+64	OLD PLANK TRAIL	32	21	CTH G LT	
701'OPT'+09	OLD PLANK TRAIL	50	20	CTH G RT	
703'OPT'+20	OLD PLANK TRAIL	30	20	PARK AND RIDE LT	
703'OPT'+46	OLD PLANK TRAIL	30	20	PARK AND RIDE RT	
CATEGORY 0060 TOTALS				495	284

ALL ITEMS ON THIS SHEET ARE CATEGORY 0060

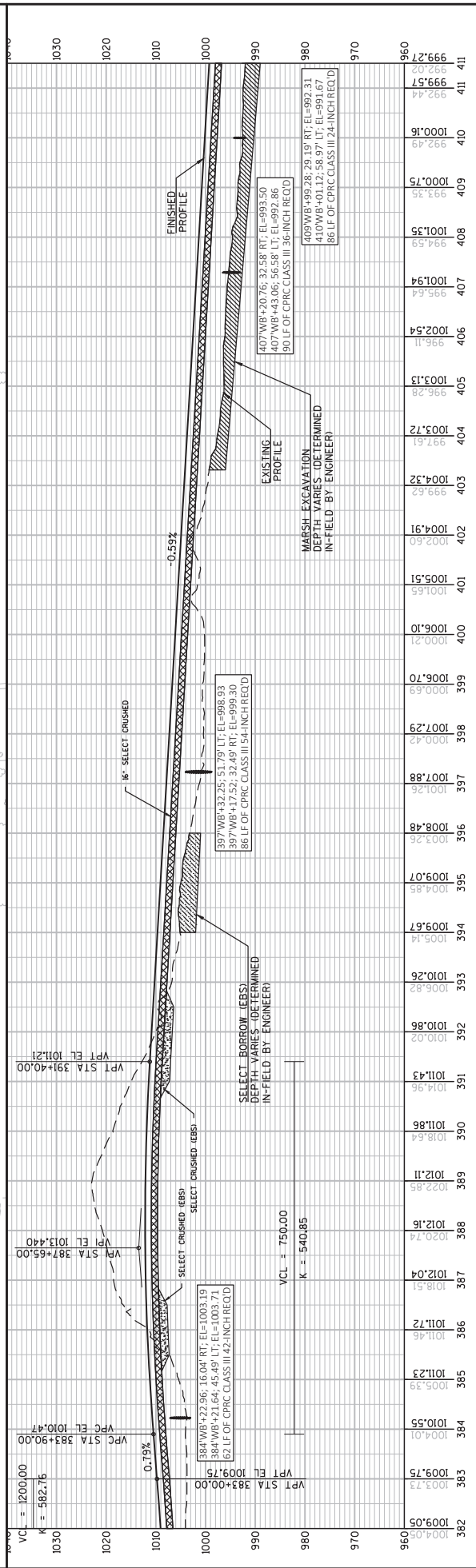
Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 573
 February 28, 2020



5

** = UNDER DRAIN OUTFALLS, UNDER DRAIN UNPERF. 6-INCH

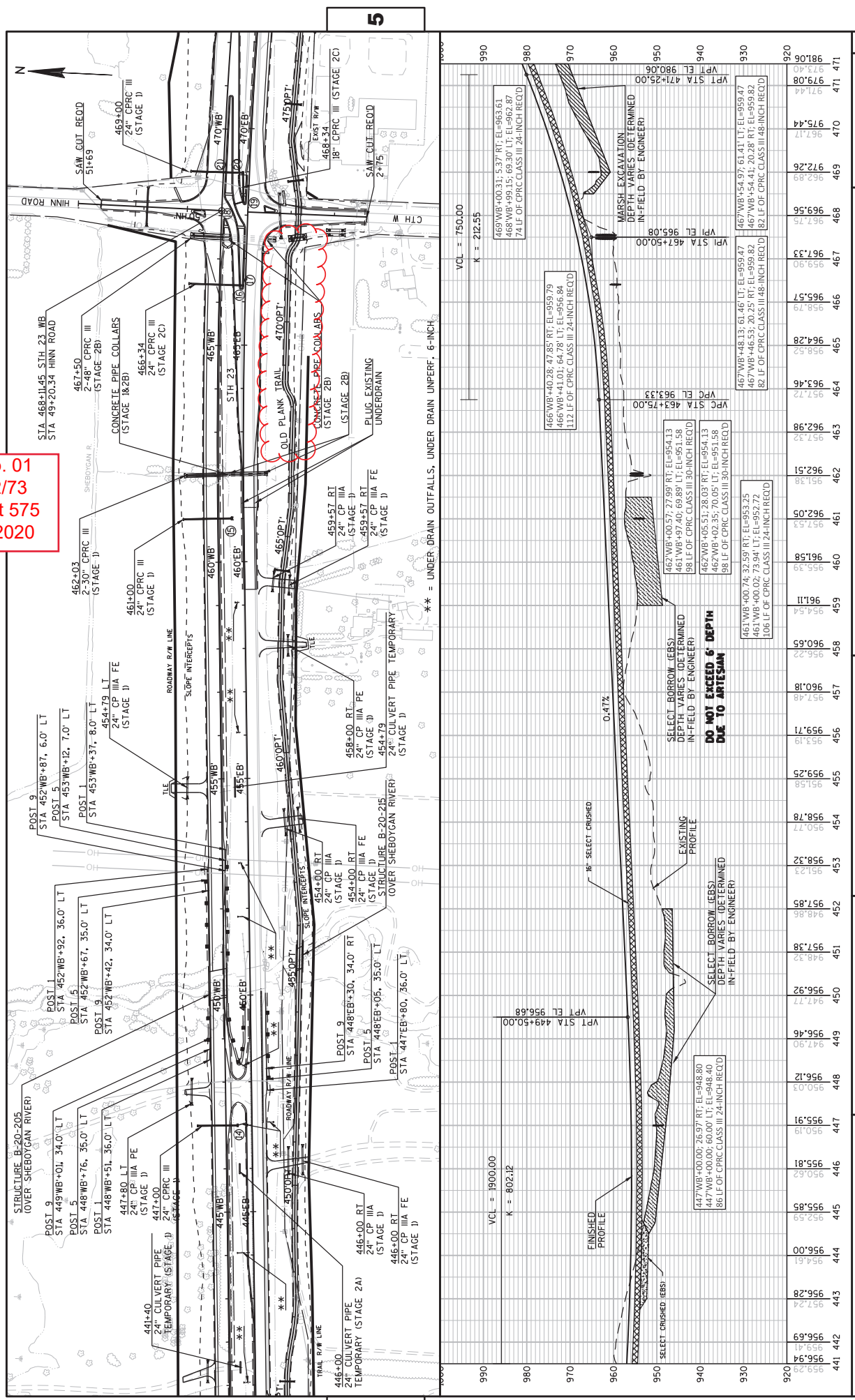
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PROJECT NO: 1440-15-72/73
 COUNTY: FOND DU LAC
 HWY: STH 23
 PLAN AND PROFILE: WESTBOUND
 SHEET 573

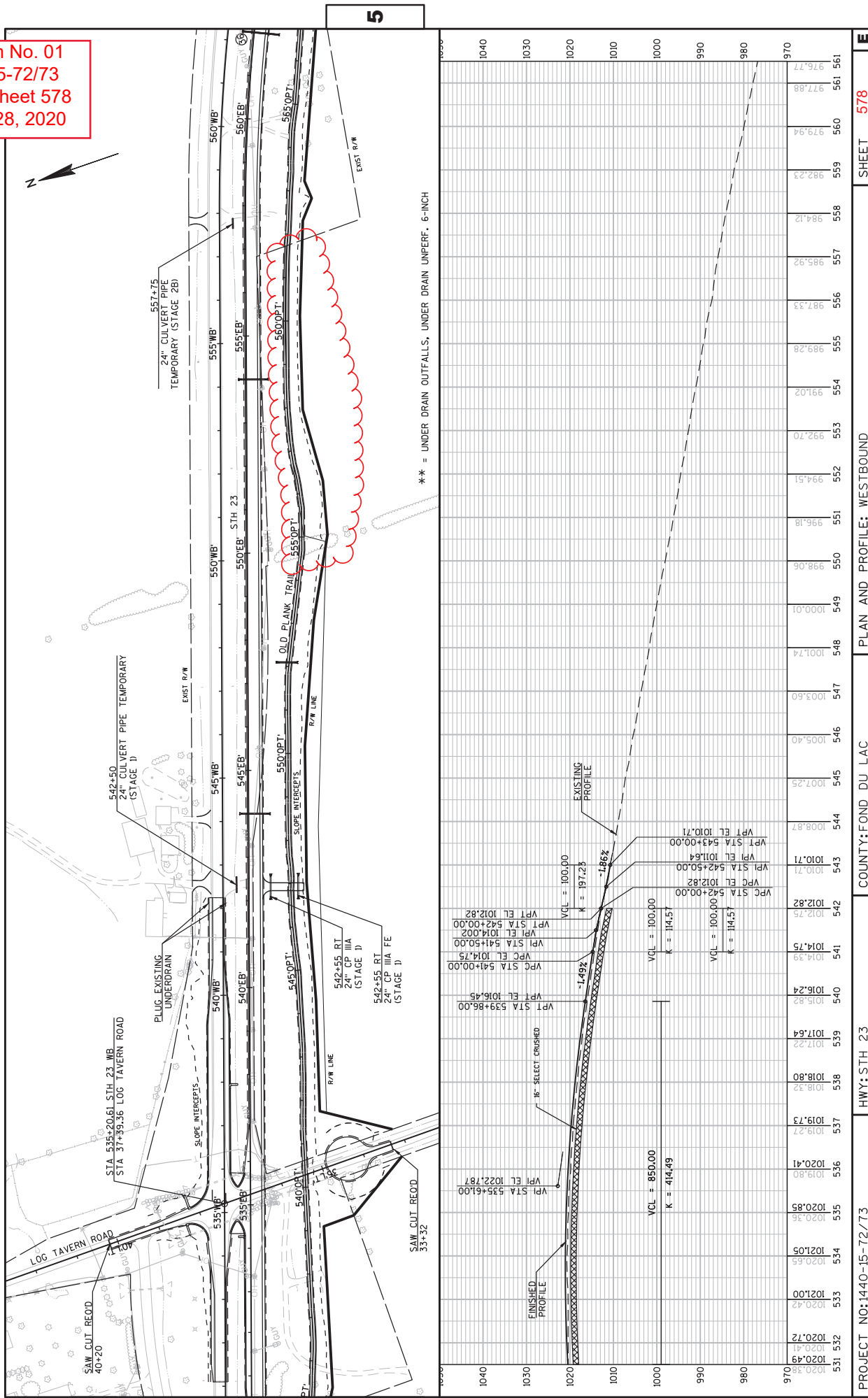
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 PLOT DATE : 2/24/2020 2:35 PM
 PLOT BY : VOSELL, KURT MICHAEL
 PLOT NAME :
 PLOT SCALE : 1 IN=200 FT
 WSDOT/CADD SHEET 44

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 575
 February 28, 2020

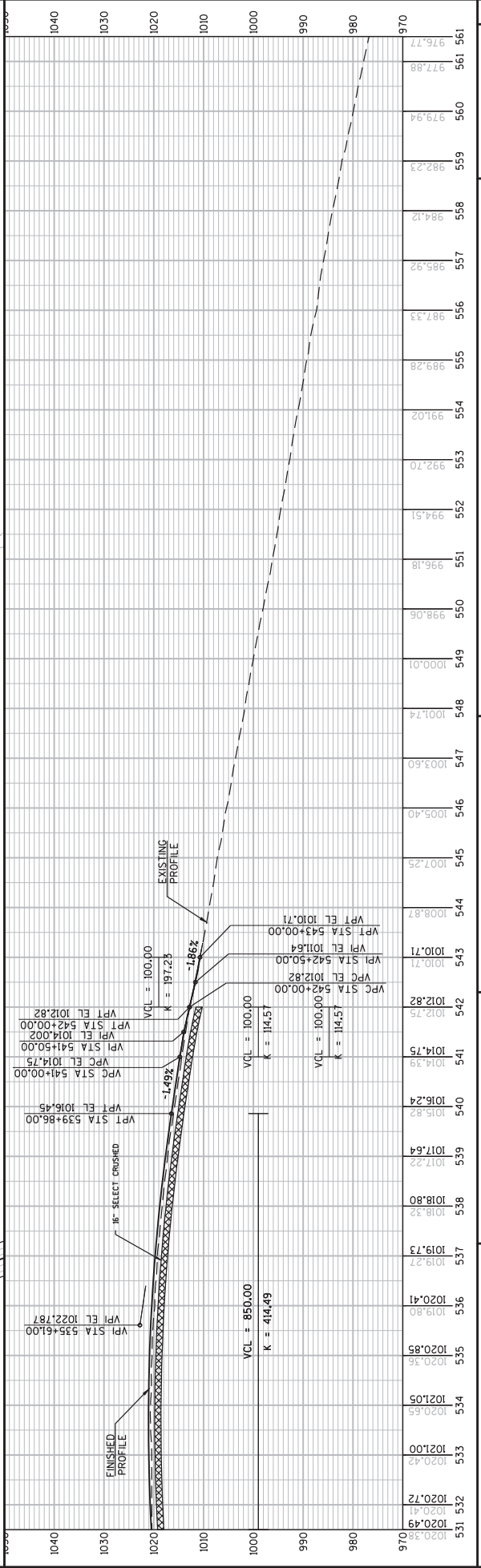


PROJECT NO: 1440-15-72/73
 COUNTY: FOND DU LAC
 HWY: STH 23
 PLAN AND PROFILE: WESTBOUND
 SHEET 575
 FILE NAME: N:\POS\330\14401501\SHEETS\PLAN AND PROFILES\MAIN\LINE\STH 23 - WB.DWG
 LAYOUT NAME - STH 23 - WB - (3)
 PLOT DATE: 2/25/2020 10:48 AM
 PLOT BY: VOSEIL, KURT MICHAEL
 PLOT NAME: WESTBOUND
 PLOT SCALE: 1 IN=200 FT
 WSDOT/CADD SHEET 44

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 578
February 28, 2020



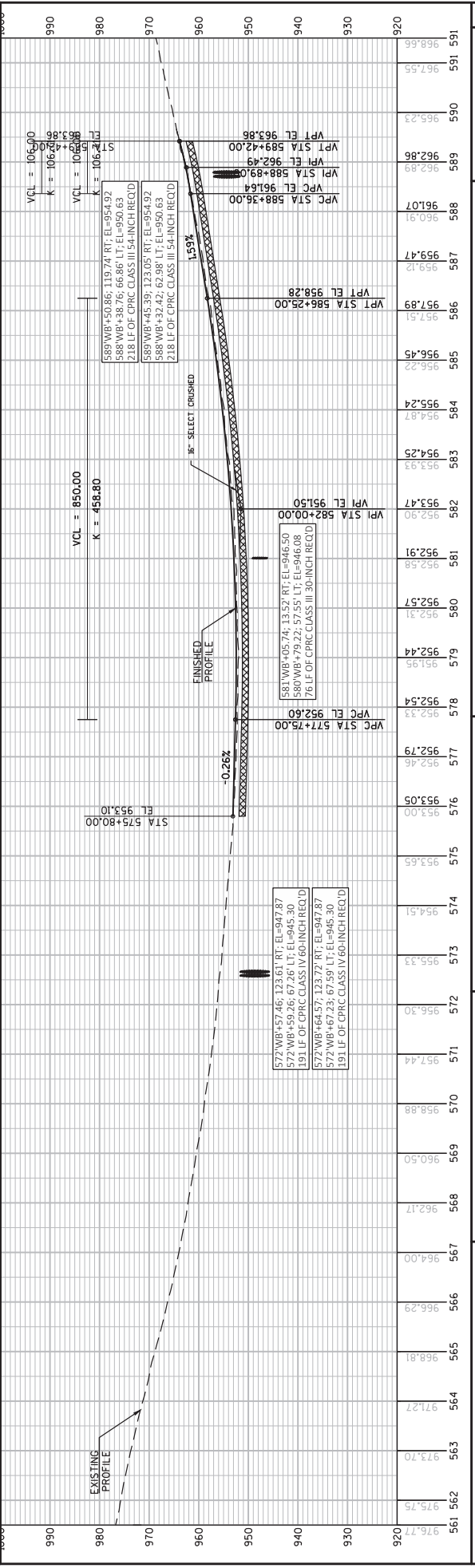
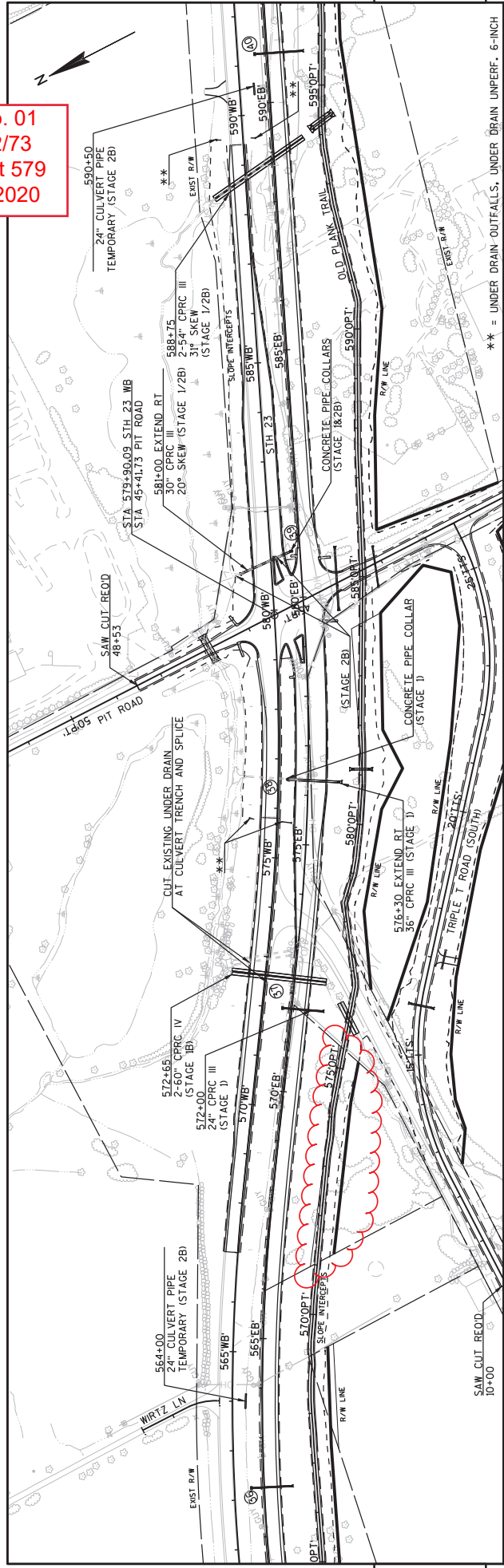
** = UNDER DRAIN OUTFALLS, UNDER DRAIN UNPERF. 6-INCH



PROJECT NO: 1440-15-72/73
 COUNTY: FOND DU LAC
 HWY: STH 23
 PLAN AND PROFILE: WESTBOUND
 SHEET 578
 E

FILE NAME : N:\POS\C30\14401501\SHEETS\PLAN\PLAN AND PROFILES\MATLINE\STH 23 - WB.DWG
 LAYOUT NAME - STH 23 - WB - (6)
 PLOT BY : VOSELL, KURT MICHAEL PLOT NAME :
 PLOT DATE : 2/19/2020 1:04 PM
 PLOT SCALE : 1 IN:200 FT

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 579
 February 28, 2020

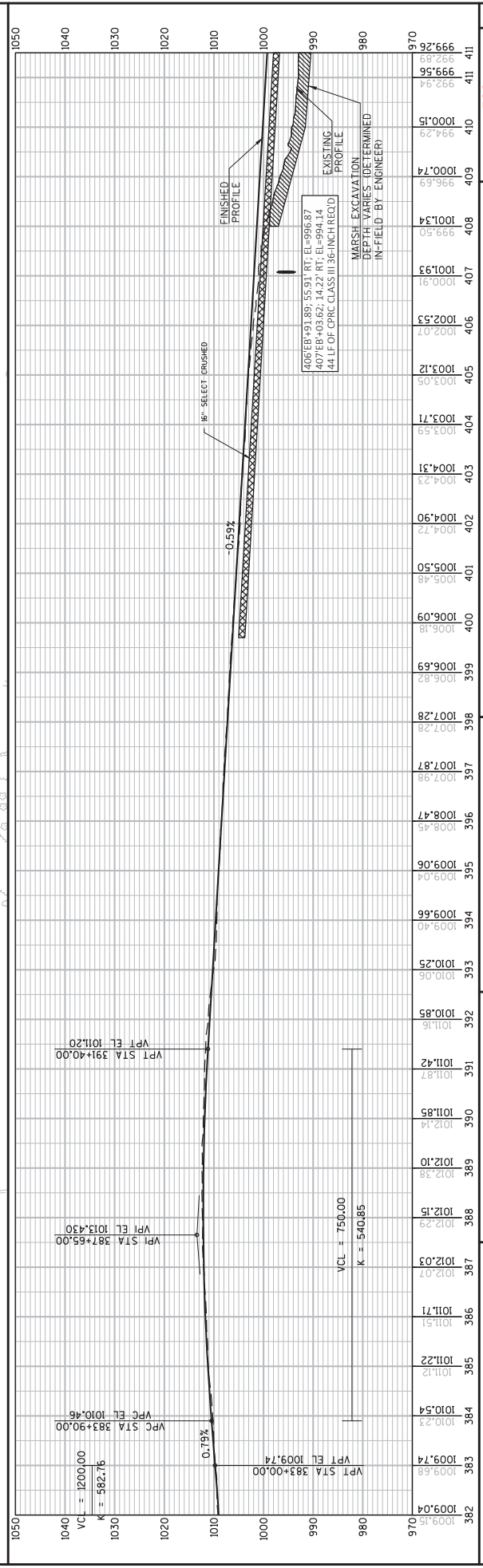
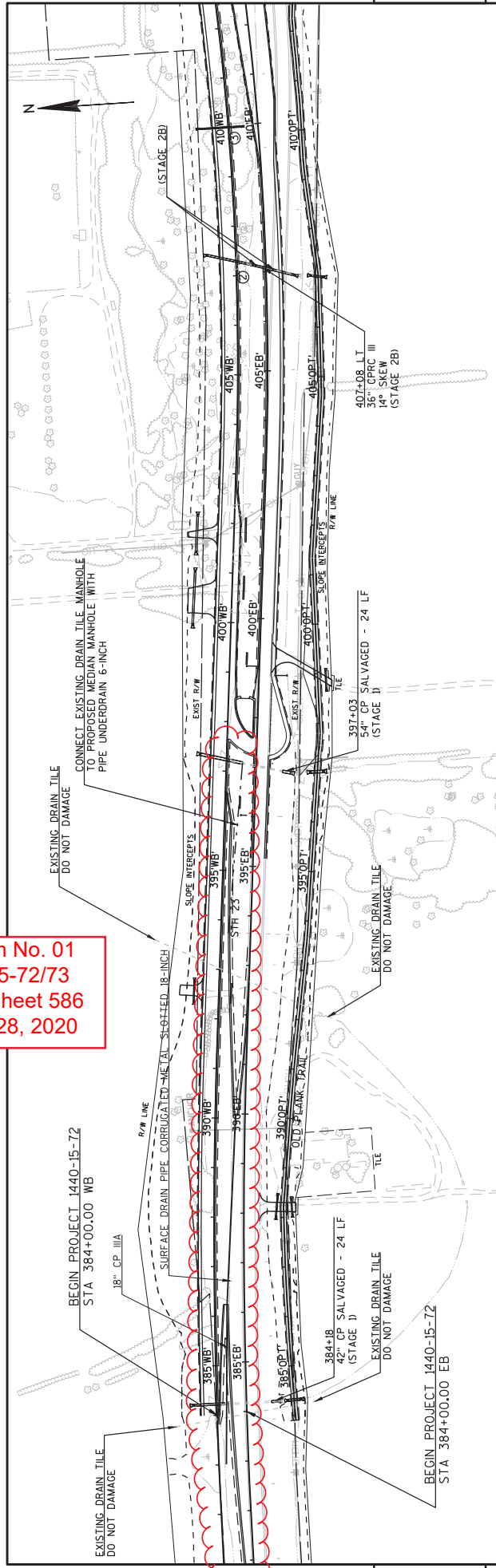


STATION	ELEVATION	DESCRIPTION
561	975.75	EXISTING PROFILE
562	973.70	EXISTING PROFILE
563	971.27	EXISTING PROFILE
564	969.81	EXISTING PROFILE
565	966.29	EXISTING PROFILE
566	964.00	EXISTING PROFILE
567	962.17	EXISTING PROFILE
568	960.50	EXISTING PROFILE
569	958.88	EXISTING PROFILE
570	957.44	EXISTING PROFILE
571	956.30	EXISTING PROFILE
572	955.33	EXISTING PROFILE
573	954.51	EXISTING PROFILE
574	953.65	EXISTING PROFILE
575	953.00	EXISTING PROFILE
576	953.05	EXISTING PROFILE
577	952.46	EXISTING PROFILE
578	952.79	EXISTING PROFILE
579	952.33	EXISTING PROFILE
580	952.54	EXISTING PROFILE
581	952.91	EXISTING PROFILE
582	953.47	EXISTING PROFILE
583	954.25	EXISTING PROFILE
584	955.24	EXISTING PROFILE
585	956.45	EXISTING PROFILE
586	957.51	EXISTING PROFILE
587	957.89	EXISTING PROFILE
588	958.28	EXISTING PROFILE
589	958.86	EXISTING PROFILE
590	959.23	EXISTING PROFILE
591	959.55	EXISTING PROFILE
592	959.66	EXISTING PROFILE

PROJECT NO: 1440-15-72/73
 HWY: STH 23
 COUNTY: FOND DU LAC
 PLAN AND PROFILE: WESTBOUND
 SHEET 579

FILE NAME: N:\NPOS\C30\14401501\SHEETS\PLAN AND PROFILES\MAIN\LINE\STH 23 - WB.DWG
 LAYOUT NAME - STH 23 - WB - (7)
 PLOT DATE: 2/19/2020 1:05 PM
 PLOT BY: VOGEL, KURT MICHAEL
 PLOT NAME: WESTBOUND
 PLOT SCALE: 1 IN=200 FT
 WISDOT/CADD SHEET 44

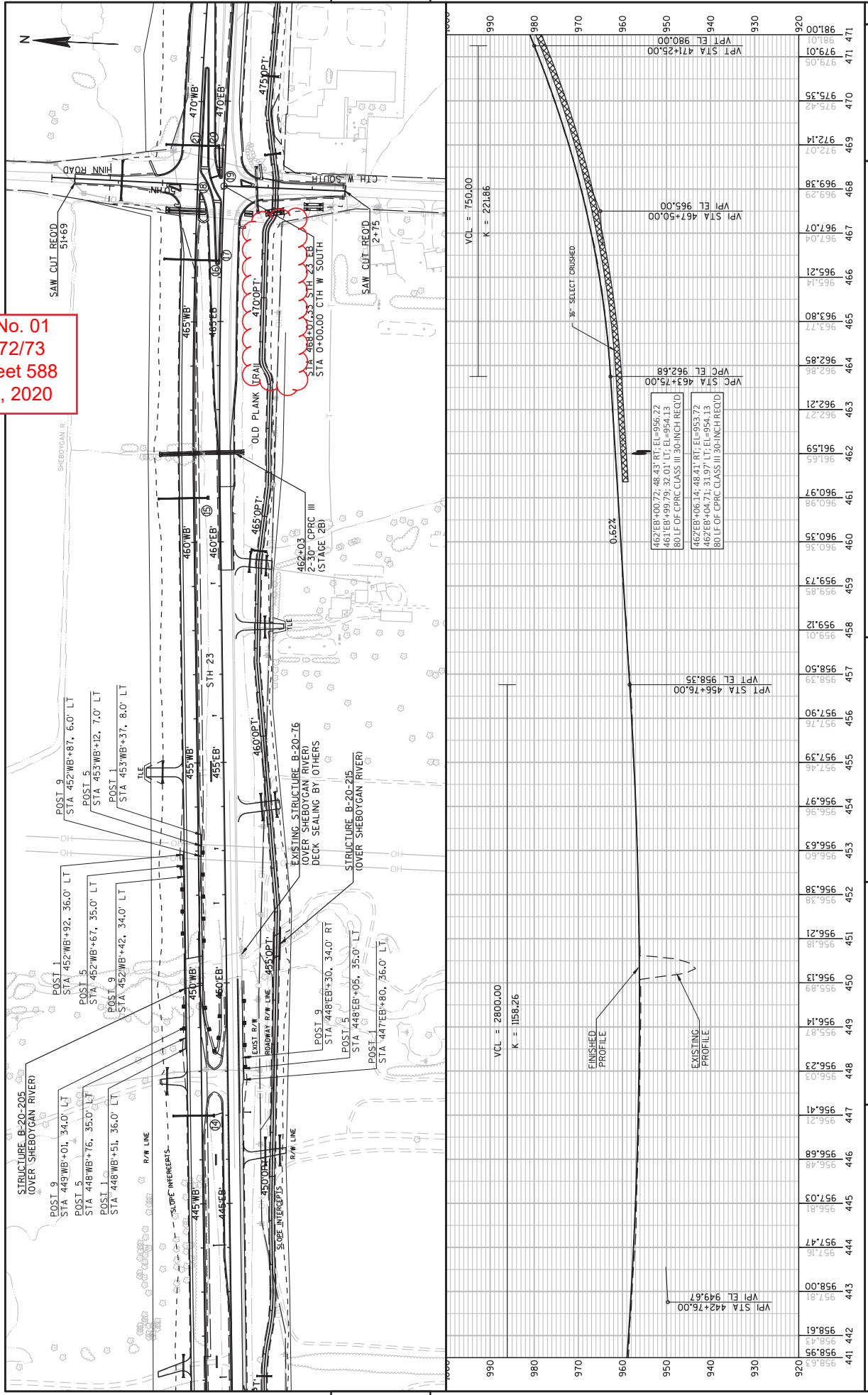
Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 586
 February 28, 2020



STATION	ELEVATION	PLAN AND PROFILE	EASTBOUND	SHEET
382	1009.04			
383	1009.68			
384	1010.23			
385	1011.12			
386	1011.71			
387	1012.03			
388	1012.29			
389	1012.38			
390	1012.14			
391	1011.87			
392	1011.16			
393	1010.85			
394	1009.40			
395	1009.04			
396	1008.45			
397	1007.98			
398	1007.28			
399	1006.82			
400	1006.69			
401	1005.48			
402	1004.72			
403	1004.23			
404	1003.71			
405	1003.12			
406	1002.07			
407	1001.93			
408	1001.59			
409	1001.34			
410	1000.15			
411	999.24			
411	999.56			
411	999.26			

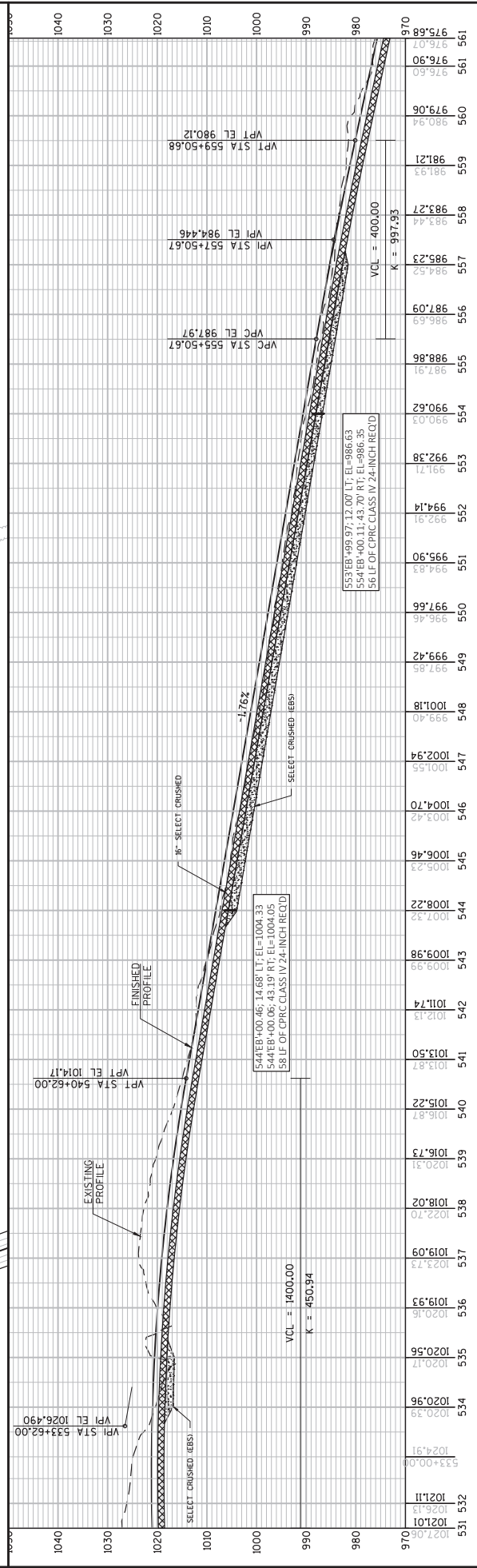
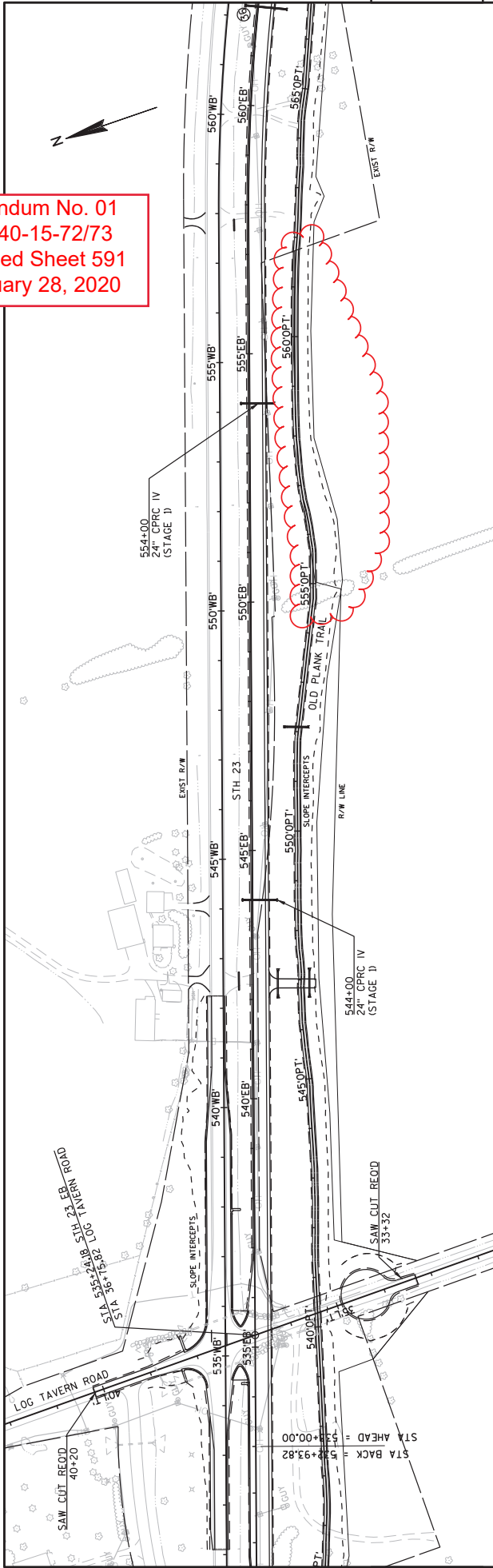
PROJECT NO: 1440-15-72/73
 HWY: STH. 23
 COUNTY: FOND DU LAC
 PLAN AND PROFILE: EASTBOUND
 SHEET 586
 FLOT SCALE: 1 IN=200 FT
 FLOT BY: VOEL, KURT MICHAEL
 FLOT NAME:
 FILE NAME: N:\PDS\CD\14401501\SHEETS\PLAN AND PROFILES\MAIN\LINE\STH 23 - EB.DWG
 LAYOUT NAME - EB - (1)

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 588
 February 28, 2020



PROJECT NO: 1440-15-72/73		COUNTY: FOND DU LAC		PLAN AND PROFILE: EASTBOUND		SHEET 588	
HWY: STH 23		PLOT DATE: 2/21/2020 9:34 AM		PLOT BY: VOSEIL, KURT MICHAEL		PLOT SCALE: 1 IN:200 FT	
FILE NAME: N:\VPOS\C30\14401501\SHEETSP\PLAN AND PROFILES\MAIN\LINE\STH 23 - EB.DWG		LAYOUT NAME: STH 23 - EB - (3)		WISDOT/CADD SHEET 44			
958.61	958.61	441	442	443	444	445	446
958.95	958.95	447	448	449	450	451	452
957.81	957.81	453	454	455	456	457	458
957.03	957.03	459	460	461	462	463	464
956.68	956.68	465	466	467	468	469	470
956.21	956.21	471	472	473	474	475	476
955.87	955.87	477	478	479	480	481	482
955.14	955.14	483	484	485	486	487	488
954.83	954.83	489	490	491	492	493	494
954.48	954.48	495	496	497	498	499	500
954.11	954.11	499	500	501	502	503	504
953.87	953.87	505	506	507	508	509	510
953.23	953.23	511	512	513	514	515	516
952.13	952.13	517	518	519	520	521	522
951.87	951.87	523	524	525	526	527	528
951.47	951.47	529	530	531	532	533	534
951.03	951.03	535	536	537	538	539	540
950.68	950.68	541	542	543	544	545	546
950.21	950.21	547	548	549	550	551	552
949.48	949.48	553	554	555	556	557	558
948.83	948.83	559	560	561	562	563	564
948.11	948.11	565	566	567	568	569	570
947.47	947.47	571	572	573	574	575	576
946.81	946.81	577	578	579	580	581	582
946.14	946.14	583	584	585	586	587	588
945.48	945.48	589	590	591	592	593	594
944.83	944.83	595	596	597	598	599	600
944.11	944.11	601	602	603	604	605	606
943.47	943.47	607	608	609	610	611	612
942.81	942.81	613	614	615	616	617	618
942.13	942.13	619	620	621	622	623	624
941.47	941.47	625	626	627	628	629	630
940.81	940.81	631	632	633	634	635	636
940.14	940.14	637	638	639	640	641	642
939.48	939.48	643	644	645	646	647	648
938.83	938.83	649	650	651	652	653	654
938.11	938.11	655	656	657	658	659	660
937.47	937.47	661	662	663	664	665	666
936.81	936.81	667	668	669	670	671	672
936.14	936.14	673	674	675	676	677	678
935.48	935.48	679	680	681	682	683	684
934.83	934.83	685	686	687	688	689	690
934.11	934.11	691	692	693	694	695	696
933.47	933.47	697	698	699	700	701	702
932.81	932.81	703	704	705	706	707	708
932.13	932.13	709	710	711	712	713	714
931.47	931.47	715	716	717	718	719	720
930.81	930.81	721	722	723	724	725	726
930.14	930.14	727	728	729	730	731	732
929.48	929.48	733	734	735	736	737	738
928.83	928.83	739	740	741	742	743	744
928.11	928.11	745	746	747	748	749	750
927.47	927.47	751	752	753	754	755	756
926.81	926.81	757	758	759	760	761	762
926.14	926.14	763	764	765	766	767	768
925.48	925.48	769	770	771	772	773	774
924.83	924.83	775	776	777	778	779	780
924.11	924.11	781	782	783	784	785	786
923.47	923.47	787	788	789	790	791	792
922.81	922.81	793	794	795	796	797	798
922.13	922.13	799	800	801	802	803	804
921.47	921.47	805	806	807	808	809	810
920.81	920.81	811	812	813	814	815	816
920.14	920.14	817	818	819	820	821	822
919.48	919.48	823	824	825	826	827	828
918.83	918.83	829	830	831	832	833	834
918.11	918.11	835	836	837	838	839	840
917.47	917.47	841	842	843	844	845	846
916.81	916.81	847	848	849	850	851	852
916.14	916.14	853	854	855	856	857	858
915.48	915.48	859	860	861	862	863	864
914.83	914.83	865	866	867	868	869	870
914.11	914.11	871	872	873	874	875	876
913.47	913.47	877	878	879	880	881	882
912.81	912.81	883	884	885	886	887	888
912.13	912.13	889	890	891	892	893	894
911.47	911.47	895	896	897	898	899	900
910.81	910.81	901	902	903	904	905	906
910.14	910.14	907	908	909	910	911	912
909.48	909.48	913	914	915	916	917	918
908.83	908.83	919	920	921	922	923	924
908.11	908.11	925	926	927	928	929	930
907.47	907.47	931	932	933	934	935	936
906.81	906.81	937	938	939	940	941	942
906.14	906.14	943	944	945	946	947	948
905.48	905.48	949	950	951	952	953	954
904.83	904.83	955	956	957	958	959	960
904.11	904.11	961	962	963	964	965	966
903.47	903.47	967	968	969	970	971	972
902.81	902.81	973	974	975	976	977	978
902.13	902.13	979	980	981	982	983	984
901.47	901.47	985	986	987	988	989	990
900.81	900.81	991	992	993	994	995	996
900.14	900.14	997	998	999	1000		

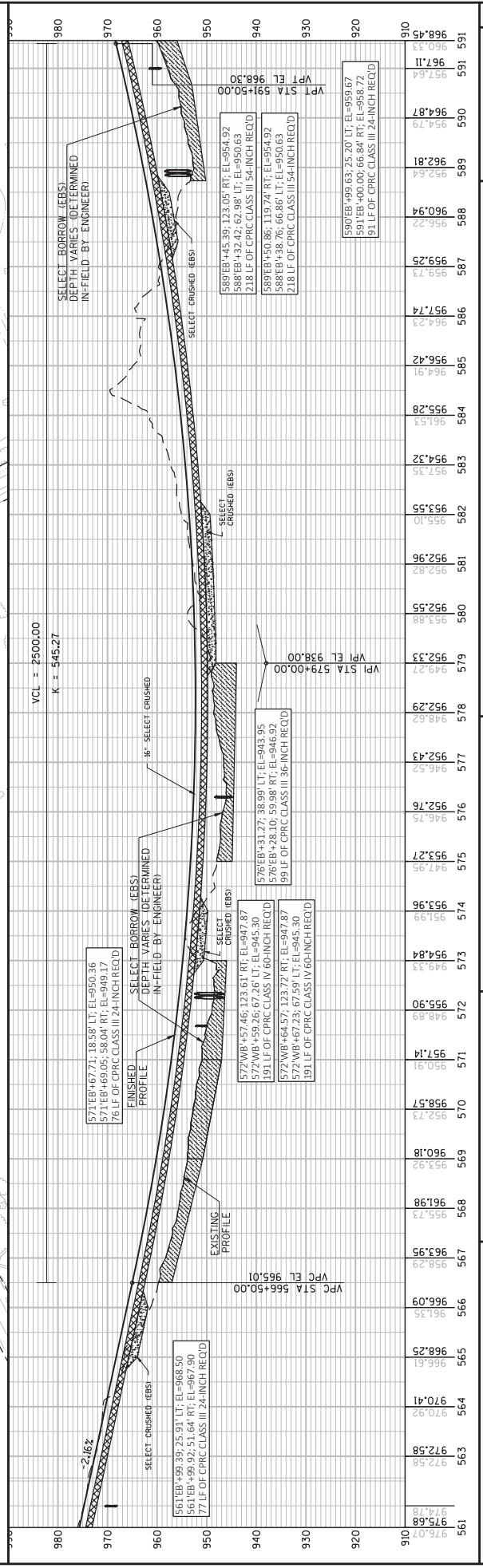
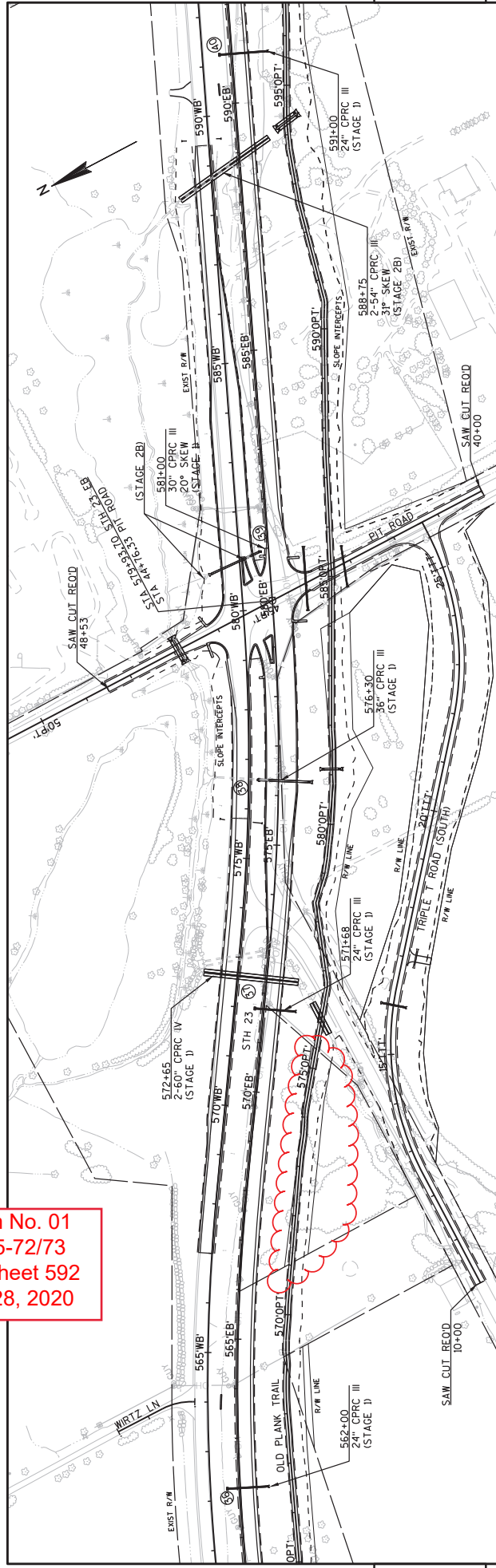
Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 591
 February 28, 2020



STATION	ELEVATION	STATION	ELEVATION
531	1021.00	551	995.90
532	1021.11	552	994.14
533	1024.91	553	992.38
534	1020.96	554	990.62
535	1020.56	555	988.86
536	1020.16	556	987.09
537	1019.93	557	985.23
538	1019.09	558	983.27
539	1018.02	559	981.21
540	1015.22	560	979.06
541	1013.50		976.60
542	1011.74		976.90
543	1009.98		975.66
544	1007.32		
545	1006.46		
546	1004.70		
547	1002.94		
548	1001.18		
549	999.40		
550	997.66		
551	995.90		
552	994.14		
553	992.38		
554	990.62		
555	988.86		
556	987.09		
557	985.23		
558	983.27		
559	981.21		
560	979.06		
561	976.60		
562	976.90		
563	975.66		

PROJECT NO: 1440-15-72/73
 HWY: STH 23
 COUNTY: FOND DU LAC
 PLAN AND PROFILE: EASTBOUND
 SHEET 591
 WISDOT/CADD SHEET 44
 FILE NAME: N:\POS\330\14401501\SHEETS\PLAN AND PROFILES\MAIN\LINE\STH 23 - EB.DWG
 LAYOUT NAME - STH 23 - EB - EB - (6)
 PLOT DATE: 2/19/2020 1:13 PM
 PLOT BY: VOEHL, KURT MICHAEL
 PLOT NAME: VPI STA 533+62.00
 PLOT SCALE: 1 IN:200 FT

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 592
 February 28, 2020

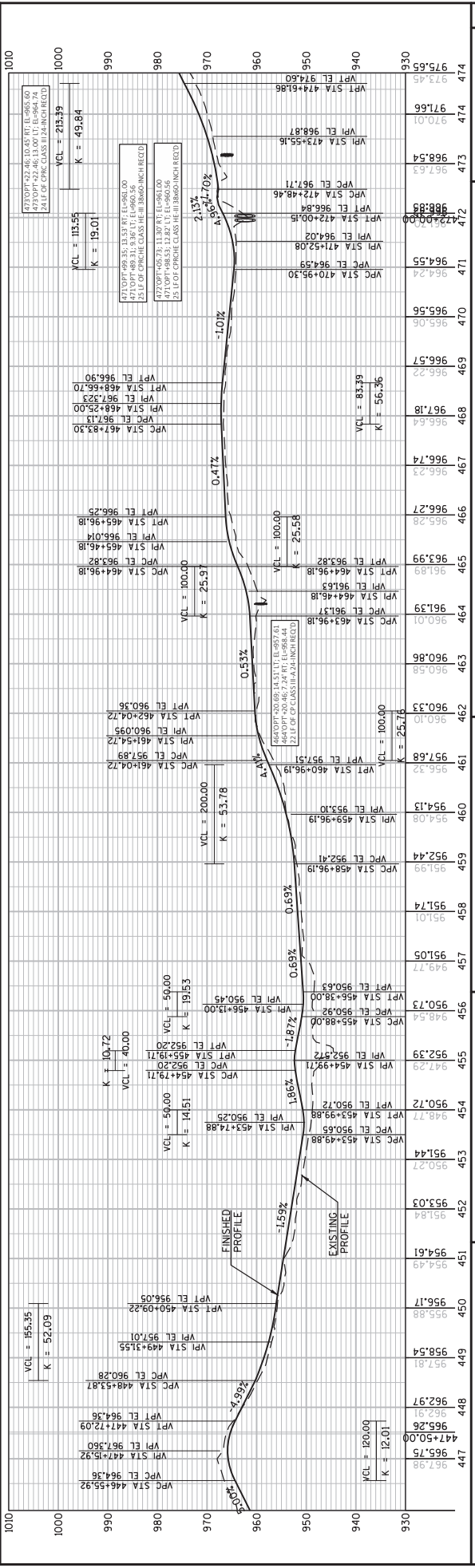
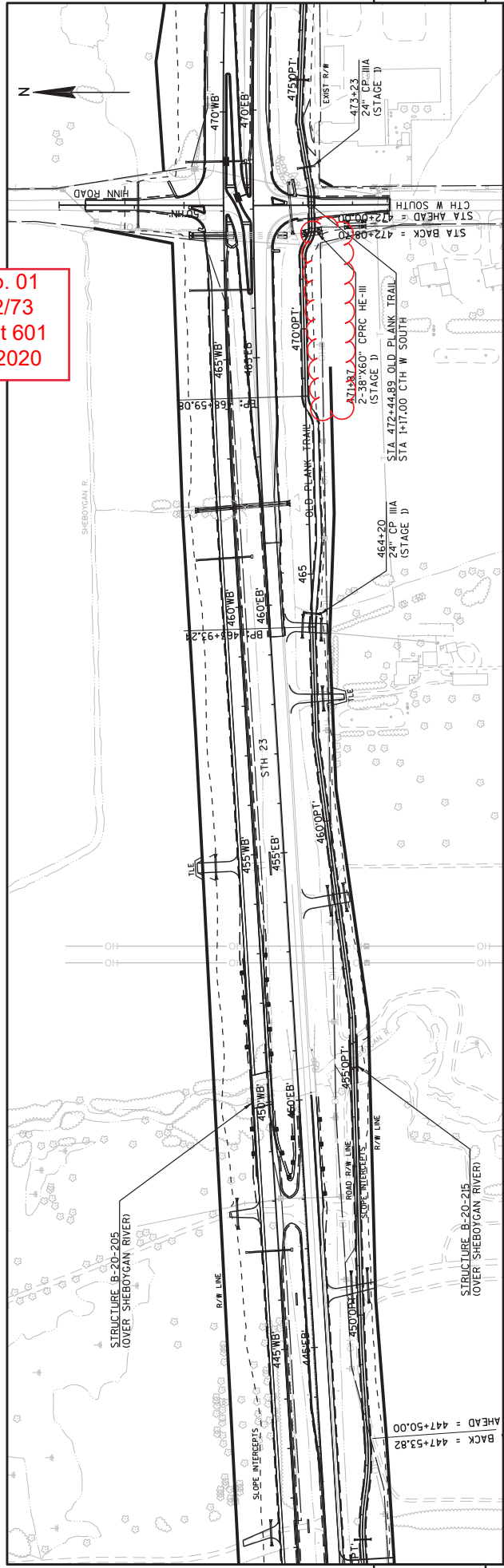


Station	Elevation (ft)	Notes
561	976.0	
562	975.6	
563	972.58	
564	970.92	
565	968.25	
566	966.09	
567	963.95	
568	961.98	
569	960.18	
570	958.57	
571	957.14	
572	955.90	
573	954.84	
574	953.96	
575	953.27	
576	952.76	
577	952.43	
578	952.29	
579	952.33	
580	953.88	
581	952.82	
582	952.96	
583	953.55	
584	955.10	
585	957.35	
586	961.53	
587	965.28	
588	969.49	
589	974.91	
590	980.42	
591	986.47	
592	992.64	
593	999.33	
594	1006.02	
595	1012.71	
596	1019.40	
597	1026.09	
598	1032.78	
599	1039.47	
600	1046.16	

PROJECT NO: 1440-15-72/73
 HWY: STH 23
 PLAN AND PROFILE: EASTBOUND
 SHEET 592

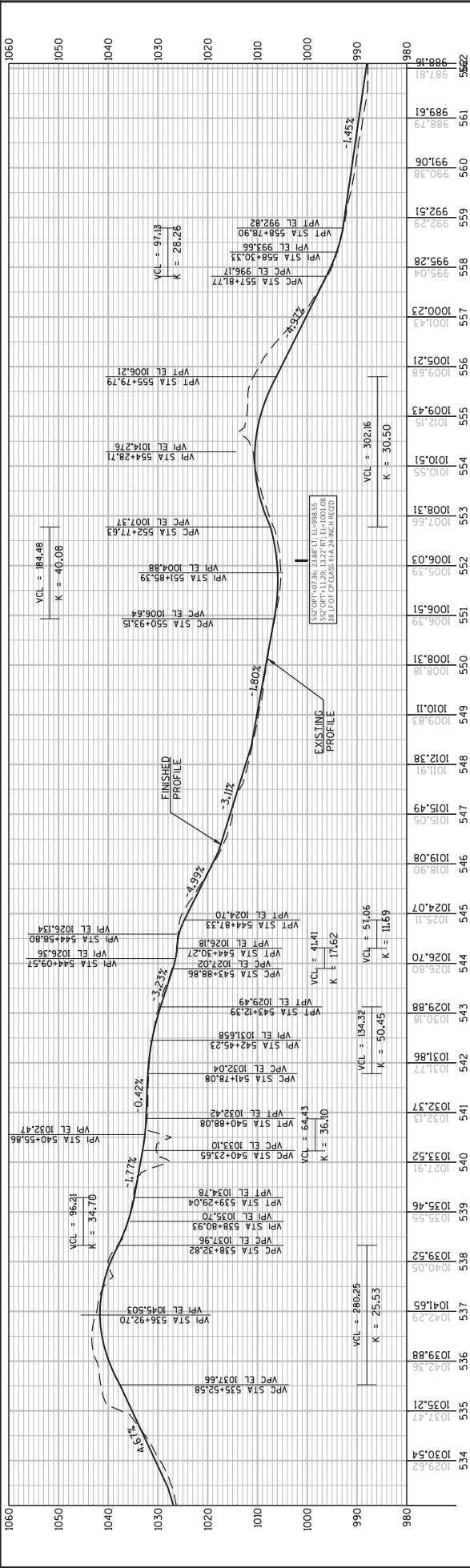
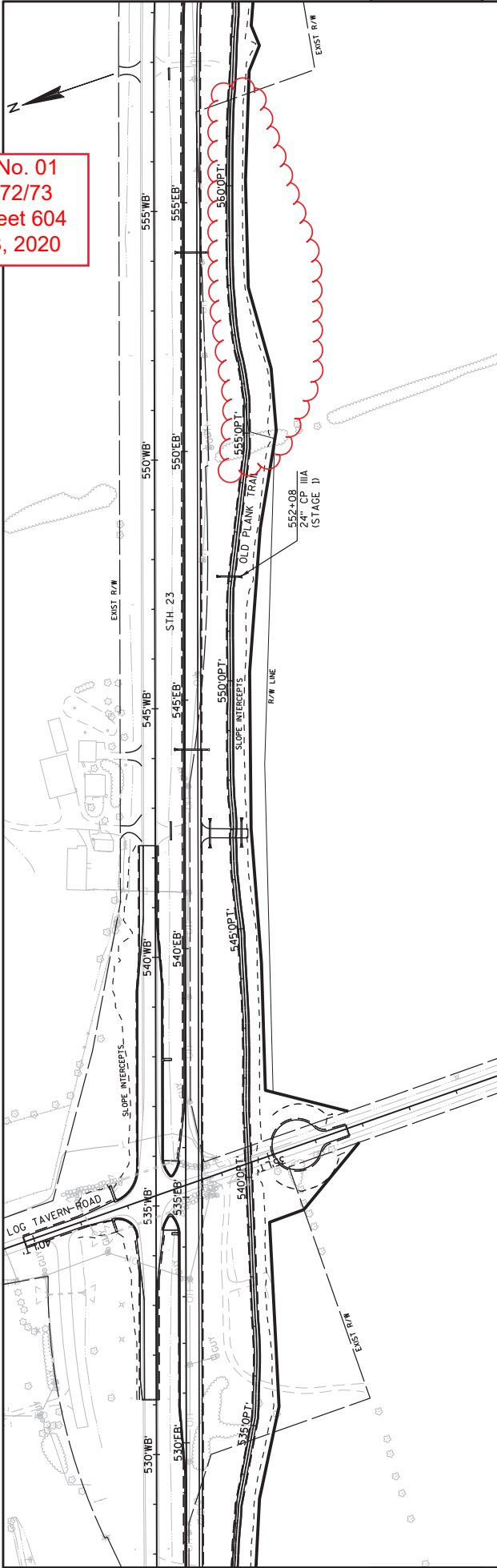
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 PLOT BY: VOSEIL, KURT MICHAEL
 PLOT NAME: HWY: STH 23
 PLAN AND PROFILE: EASTBOUND
 SHEET 592
 WSDOT/CADD SHEET 44
 PLOT SCALE: 1 IN:200 FT

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 601
 February 28, 2020

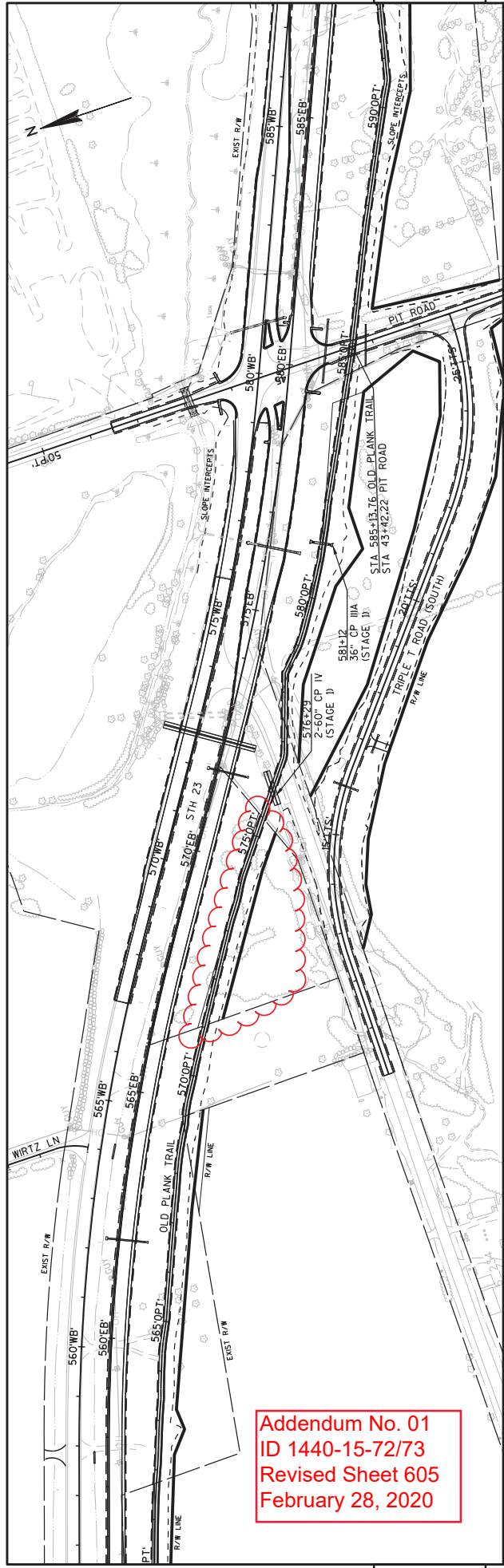


STATION	ELEVATION	STATION	ELEVATION
447	967.98	474	973.65
447+50.00	965.26	474	971.66
447+50.00	965.75	473	968.54
447+50.00	967.98	473	966.63
447+50.00	967.98	472	968.85
447+50.00	967.98	472	967.00
447+50.00	967.98	471	964.55
447+50.00	967.98	471	964.24
447+50.00	967.98	470	965.56
447+50.00	967.98	470	965.66
447+50.00	967.98	469	966.57
447+50.00	967.98	469	966.22
447+50.00	967.98	468	967.18
447+50.00	967.98	468	966.64
447+50.00	967.98	467	966.74
447+50.00	967.98	467	966.23
447+50.00	967.98	466	966.27
447+50.00	967.98	466	965.28
447+50.00	967.98	465	963.99
447+50.00	967.98	465	961.89
447+50.00	967.98	464	961.39
447+50.00	967.98	464	960.01
447+50.00	967.98	463	960.86
447+50.00	967.98	463	960.58
447+50.00	967.98	462	960.33
447+50.00	967.98	462	960.10
447+50.00	967.98	461	957.68
447+50.00	967.98	461	956.23
447+50.00	967.98	460	954.13
447+50.00	967.98	460	954.08
447+50.00	967.98	459	952.44
447+50.00	967.98	459	951.99
447+50.00	967.98	458	951.74
447+50.00	967.98	458	951.01
447+50.00	967.98	457	949.77
447+50.00	967.98	457	949.77
447+50.00	967.98	456	950.73
447+50.00	967.98	456	949.54
447+50.00	967.98	455	952.39
447+50.00	967.98	455	947.28
447+50.00	967.98	454	950.72
447+50.00	967.98	454	949.77
447+50.00	967.98	453	951.44
447+50.00	967.98	453	950.27
447+50.00	967.98	452	953.03
447+50.00	967.98	452	951.84
447+50.00	967.98	451	954.61
447+50.00	967.98	451	954.49
447+50.00	967.98	450	956.17
447+50.00	967.98	450	955.88
447+50.00	967.98	449	958.54
447+50.00	967.98	449	957.81
447+50.00	967.98	448	962.97
447+50.00	967.98	448	962.91
447+50.00	967.98	447	965.75
447+50.00	967.98	447	965.98

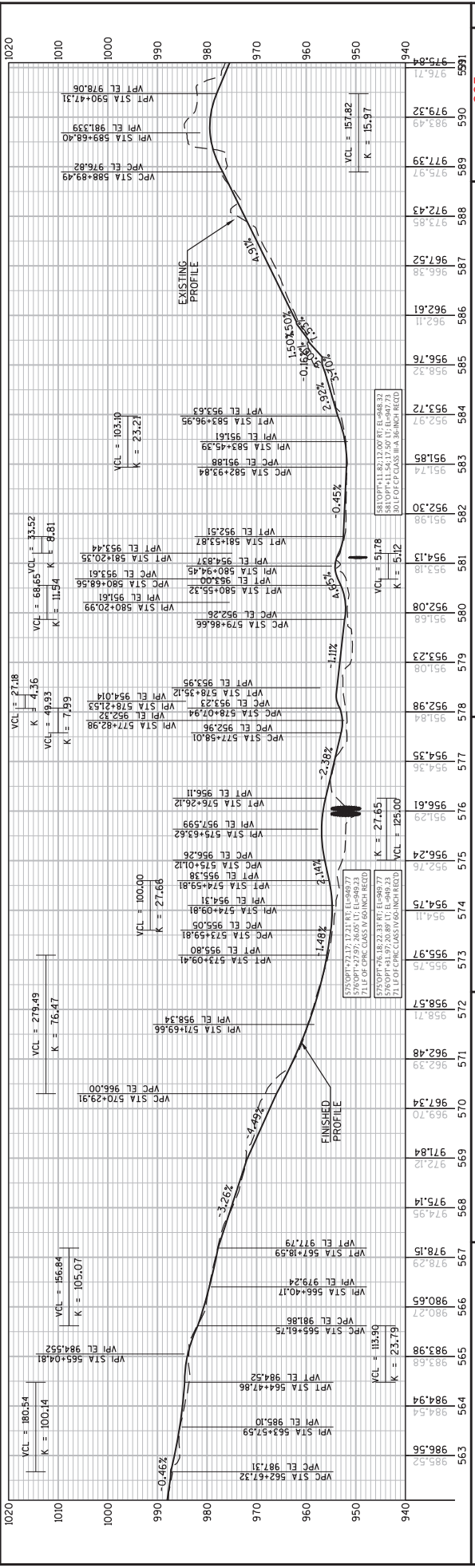
Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 604
 February 28, 2020



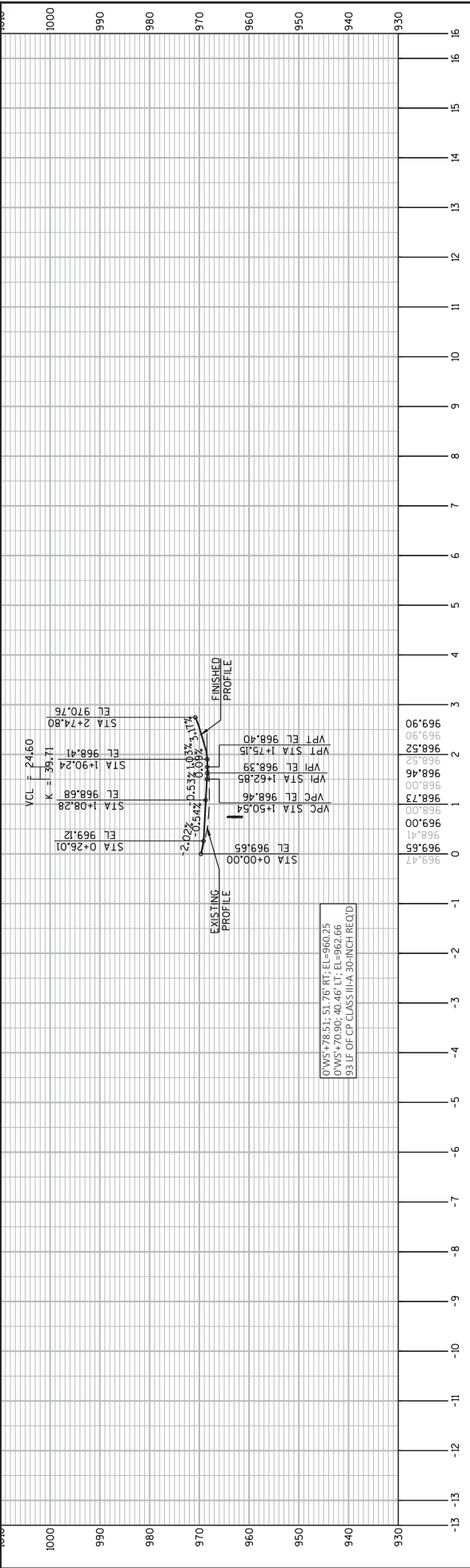
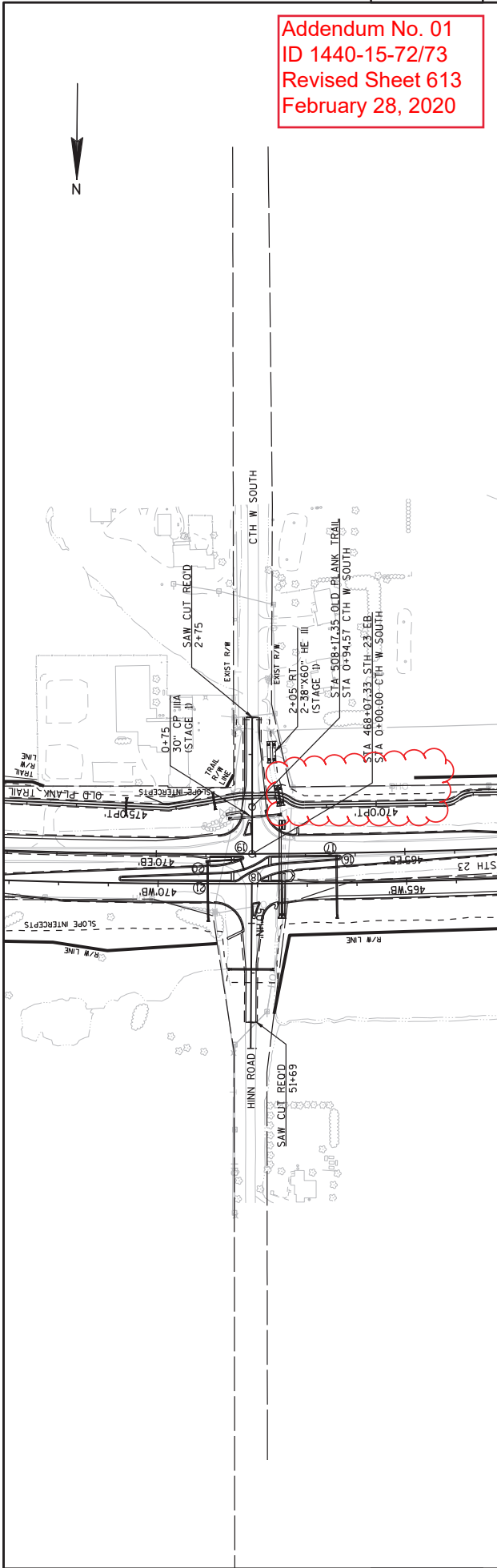
PROJECT NO:	1440-15-72/73	HWY:	STH 23	COUNTY:	FOND DU LAC	PLAN AND PROFILE:	OLD PLANK TRAIL	SHEET	604
FILE NAME:	N:\PDS\320V\44015015\015015\015015\PROFILES\OLD PLANK TRAIL\OLD PLANK TRAIL PROPOSED (2018).DWG								
LAYOUT NAME:	PP Tab - 16								
PLOT DATE:	2/19/2020 1:21 PM								
PLOT BY:	VOGEL, KURT MICHAEL								
PLOT SCALE:	1 IN=200 FT								



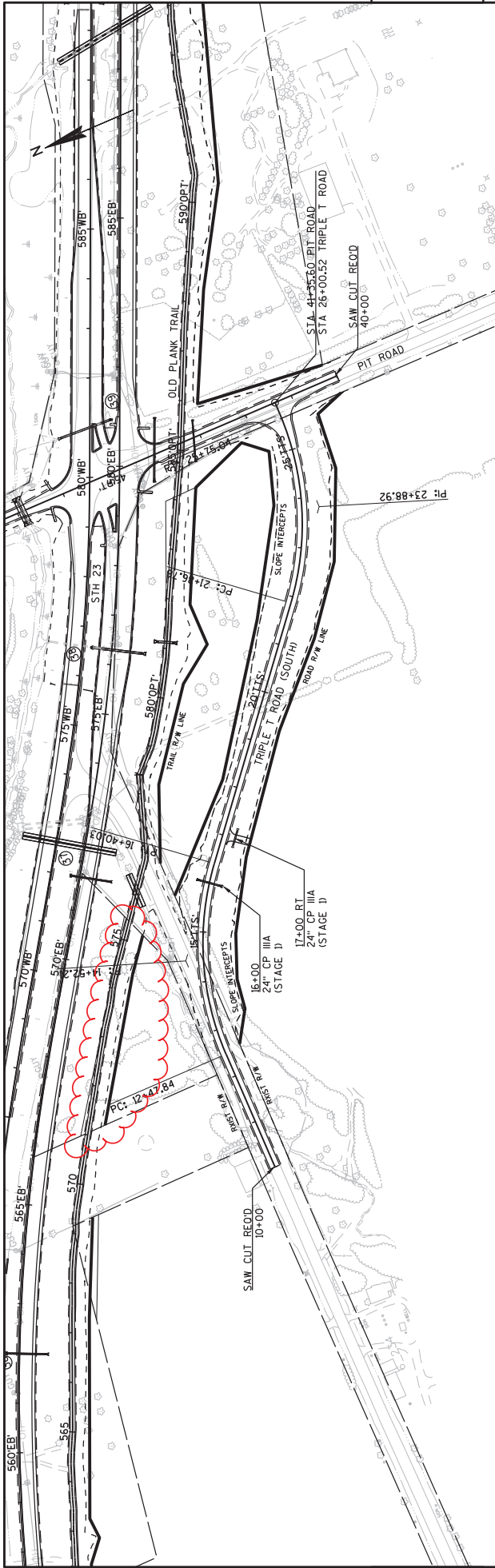
Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 605
 February 28, 2020



Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 613
 February 28, 2020

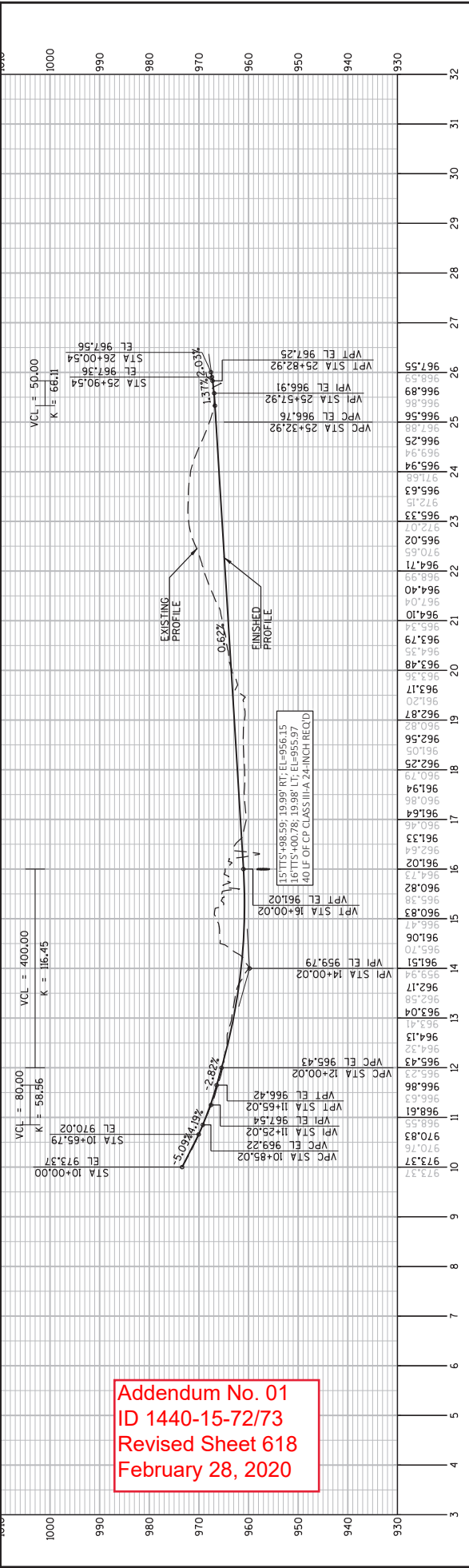


PROJECT NO: 1440-15-72/73
 HWY: STH 23
 COUNTY: FOND DU LAC
 PLAN AND PROFILE: CTH W SOUTH
 SHEET 613
 FILE NAME: N:\NPOS\330\14401501\SHEETS\PLAN AND PROFILES\ACTH W SOUTH\ACTH W SOUTH.DWG
 LAYOUT NAME: CTH W SOUTH - CTH W SOUTH - (1)
 PLOT DATE: 2/25/2020 4:07 PM
 PLOT BY: VOGEL, KURT MICHAEL
 PLOT NAME: CTH W SOUTH
 PLOT SCALE: 1 IN:200 FT
 WSDOT/CADD SHEET 44

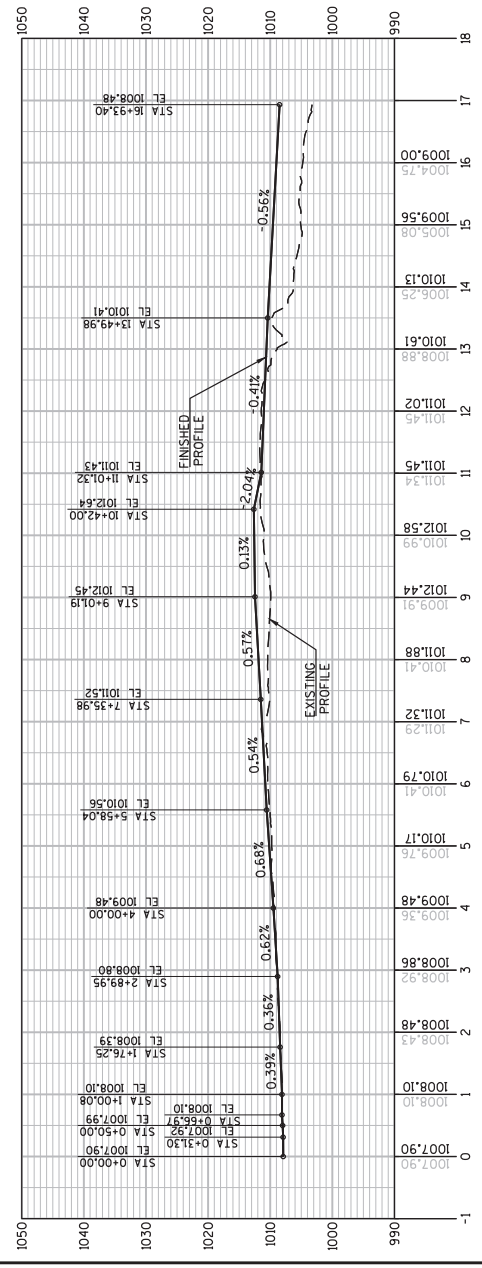
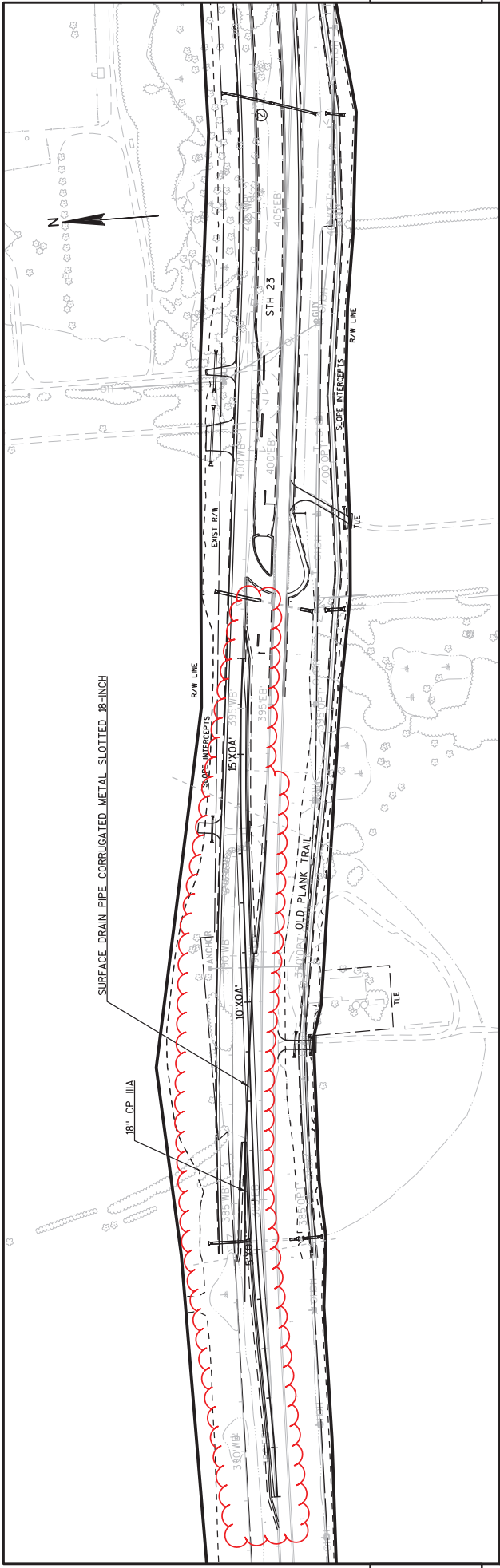


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Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 618
 February 28, 2020



Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 632
 February 28, 2020

STH 23 - WB - STAGE 1A

STATION	REAL STATION/DISTANCE	AREA (SF)		INCREMENTAL VOL. (CY) (UNADJUSTED)						CUMULATIVE VOL. (CY)						
		CUT	FILL	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS Select	Borrow	Crushed	CUT	MARSH BACKFILL	EBS/BACKFILL	NOTE 5		
450+62.22	45062.22	0.00	9.45	0.00	624.96	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	199
451+00	45100.00	37.78	1.46	0.00	640.92	0.00	0.00	213.22	0.00	0.00	8	0	149	0	8	1.307
452+00	45200.00	100.00	9.57	0.00	606.57	0.00	0.00	228.41	0.00	0.00	20	0	0	0	28	1.889
453+00	45300.00	100.00	15.39	0.00	491.88	0.00	0.00	0.00	0.00	0.00	46	0	423	0	74	1.889
454+00	45400.00	100.00	3.11	0.00	554.48	0.00	0.00	0.00	0.00	0.00	34	0	0	0	109	1.889
454+79.98	45479.98	79.98	15.20	0.00	420.49	0.00	0.00	0.00	0.00	0.00	27	0	0	0	136	1.889
455+00	45500.00	20.02	0.88	0.00	502.96	0.00	0.00	0.00	0.00	0.00	6	0	0	0	142	1.889
456+00	45600.00	100.00	2.66	0.00	418.79	0.00	0.00	0.00	0.00	0.00	7	0	0	0	148	1.889
457+00	45700.00	100.00	19.60	0.00	135.82	0.00	0.00	0.00	0.00	0.00	41	0	0	0	189	1.889
458+00	45800.00	100.00	5.80	0.00	255.04	0.00	0.00	0.00	0.00	0.00	47	0	0	0	236	1.889
459+00	45900.00	100.00	0.00	0.00	434.25	0.00	0.00	653.10	0.00	0.00	11	0	1,209	0	247	3.314
460+00	46000.00	100.00	0.00	0.00	431.11	0.00	0.00	620.89	0.00	0.00	0	0	2,359	0	247	6.093
460+83.48	46083.48	83.48	6.94	0.00	301.51	0.00	0.00	570.34	0.00	0.00	11	0	1,842	0	258	8.260
461+00	46100.00	16.52	8.43	0.00	295.43	0.00	0.00	566.50	0.00	0.00	5	0	348	0	263	8.668
462+00	46200.00	100.00	0.07	0.00	866.91	0.00	0.00	0.00	0.00	0.00	16	0	1,049	0	278	9.901
463+00	46300.00	100.00	1.89	0.00	392.56	0.00	0.00	0.00	0.00	0.00	4	0	0	0	282	9.901
464+00	46400.00	100.00	4.31	0.00	365.92	0.00	0.00	0.00	0.00	0.00	11	0	0	0	294	9.901
465+00	46500.00	100.00	2.91	0.00	374.17	0.00	0.00	0.00	0.00	0.00	13	0	0	0	307	9.901
466+00	46600.00	100.00	0.25	0.00	485.74	0.00	0.00	0.00	0.00	0.00	6	0	0	0	313	9.901
467+00	46700.00	100.00	0.00	0.00	367.75	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
467+58.98	46758.98	58.98	0.00	0.00	547.88	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
467+60	46760.00	1.02	0.00	0.00	595.48	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
467+65	46765.00	5.00	0.00	0.00	606.69	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
467+70	46770.00	5.00	0.00	0.00	504.66	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
467+75	46775.00	5.00	0.00	0.00	398.28	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
467+80	46780.00	5.00	0.00	0.00	284.65	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
467+85	46785.00	5.00	0.00	0.00	61.51	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
467+90	46790.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
467+95	46795.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
468+00	46800.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
468+05	46805.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
468+10	46810.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
468+11.45	46811.45	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
468+15	46815.00	3.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
468+20	46820.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901
468+25	46825.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	313	9.901

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 888
February 28, 2020

NOTES:
1 - CUT
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL
4 - EXPANDED MARSH BACKFILL
5 - EXPANDED EBS

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 893
 February 28, 2020

STH 23 - WB - STAGE 1A

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL. (CY) (UNADJUSTED)						CUMULATIVE VOL. (CY)										
			CUT	FILL	SALVAGED UNUSABLE PAVEMENT MATERIAL	FILL	MARSH	ROCK	EBS	CUT	MARSH	ROCK	EBS/BACKFILL								
575+80	57580.00	0.00	27.21	0.00	56.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
576+00	57600.00	20.00	26.00	0.00	56.70	0.00	0.00	32.79	0.00	20	0	0	23	0	20	0	0	0	0	0	34
576+58.78	57658.78	58.78	29.30	0.00	93.36	0.00	0.00	33.52	0.00	60	0	128	0	80	0	0	0	0	0	0	141
577+00	57700.00	41.22	31.16	0.00	55.48	0.00	0.00	29.27	0.00	46	0	90	0	48	0	0	0	0	0	0	213
578+00	57800.00	100.00	14.53	0.00	47.54	0.00	0.00	34.28	0.00	85	0	125	0	118	0	0	0	0	0	0	396
579+00	57900.00	100.00	7.05	0.00	18.95	0.00	0.00	68.21	0.00	40	0	37	0	190	0	0	0	0	0	0	673
579+05.65	57905.65	5.65	7.19	0.00	18.85	0.00	0.00	63.70	0.00	1	0	0	0	14	0	0	0	0	0	0	692
579+10	57910.00	4.35	9.44	0.00	20.81	0.00	0.00	50.72	0.00	1	0	0	0	9	0	0	0	0	0	0	705
579+15	57915.00	5.00	11.91	0.00	16.86	0.00	0.00	40.87	0.00	2	0	0	0	8	0	0	0	0	0	0	717
579+20	57920.00	5.00	16.32	0.00	11.69	0.00	0.00	38.32	0.00	3	0	0	0	7	0	0	0	0	0	0	728
579+25	57925.00	5.00	22.87	0.00	3.81	0.00	0.00	37.27	19.94	4	0	0	0	7	2	0	0	0	0	0	739
579+30	57930.00	5.00	28.57	0.00	2.54	0.00	0.00	33.88	19.91	5	0	0	0	7	4	0	0	0	0	0	749
579+35	57935.00	5.00	29.85	0.00	1.40	0.00	0.00	29.74	20.00	5	0	0	0	6	4	0	0	0	0	0	758
579+40	57940.00	5.00	33.45	0.00	1.08	0.00	0.00	29.01	20.00	6	0	0	0	5	4	0	0	0	0	0	766
579+45	57945.00	5.00	37.94	0.00	0.16	0.00	0.00	28.68	20.00	7	0	0	0	5	4	0	0	0	0	0	773
579+50	57950.00	5.00	43.82	0.00	0.00	0.00	0.00	25.29	20.00	8	0	0	0	5	4	0	0	0	0	0	781
579+55	57955.00	5.00	40.62	0.00	0.00	0.00	0.00	22.72	20.00	8	0	0	0	4	4	0	0	0	0	0	787
579+60	57960.00	5.00	32.88	0.00	0.00	0.00	0.00	20.31	20.00	7	0	0	0	4	4	0	0	0	0	0	792
579+65	57965.00	5.00	26.32	0.00	0.00	0.00	0.00	10.03	20.00	5	0	0	0	3	4	0	0	0	0	0	797
579+70	57970.00	5.00	23.04	0.00	0.00	0.00	0.00	1.98	20.00	5	0	0	0	1	4	0	0	0	0	0	798
579+75	57975.00	5.00	21.50	0.00	0.00	0.00	0.00	0.00	20.00	4	0	0	0	0	4	0	0	0	0	0	799
579+80	57980.00	5.00	14.32	0.00	0.00	0.00	0.00	0.00	13.73	3	0	0	0	0	3	0	0	0	0	0	799
579+85	57985.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0	0	0	0	1	0	0	0	0	0	799
579+90	57990.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	799
579+90.08	57990.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	799
579+95	57995.00	4.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	799
580+00	58000.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	799
580+05	58005.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	799
580+10	58010.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	799
580+15	58015.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	799
580+20	58020.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	799
580+25	58025.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	799
580+30	58030.00	5.00	4.68	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	799
580+35	58035.00	5.00	75.80	0.00	0.00	0.00	0.00	0.00	3.49	7	0	0	0	0	0	0	0	0	0	0	799
580+36.78	58036.78	1.78	91.75	0.00	0.00	0.00	0.00	0.00	7.05	6	0	0	0	0	0	0	0	0	0	0	799
580+58.13	58058.13	21.35	75.66	0.00	0.00	0.00	0.00	0.00	9.99	66	0	0	0	0	0	0	0	0	0	0	799

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
2 - SALVAGED UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
5 - EXPANDED EBS	WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

PROJECT NO: 1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	EARTHWORK COMP: WB STAGE 1A
FILE NAME: N:\PDS\320V\44015015\SHETS\PLAN\EA\THWK\COMP\UT\ONSU\4401572_73\WB STAGE 1A EARTHWORK COMPS.DWG	PLOT DATE: 2/21/2020 9:44 AM	FLOT BY: VOGEL, KURT MICHAEL	PLOT NAME:

STH 23 - WB STAGE 2B

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL. (CY) (UNADJUSTED)						CUMULATIVE VOL. (CY)										
			CUT	UNUSABLE PAVEMENT MATERIAL	SALVAGED UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EMBT MAT	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED ROCK	EXPANDED EBS BACKFILL	
			NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 6	NOTE 7	NOTE 8	
535+05	53505.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535+10	53510.00	5.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535+15	53515.00	5.00	26.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535+20	53520.00	5.00	48.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535+20.61	53520.61	0.61	48.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535+25	53525.00	4.39	75.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535+30	53530.00	5.00	52.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535+35	53535.00	5.00	12.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535+40	53540.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 921
February 28, 2020

NOTES:
1 - CUT
2 - SALVAGED UNUSABLE PAVEMENT MATERIAL
3 - FILL
4 - EXPANDED MARSH BACKFILL
5 - EXPANDED EBS

CUT INCLUDES SALVAGED UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

PROJECT NO: 1440-15-72/73
HWY: STH 23
COUNTY: FOND DU LAC
EARTHWORK COMP: WB STAGE 2B
SHEET 921

FILE NAME: N:\PDS\3DU\4015015SHEETS\PLAN\EARTHWORK\COMPUTATIONS\401572_73_WB STAGE 2C EARTHWORK.COMPS.DWG
LAYOUT NAME: 01
PLOT DATE: 2/21/2020 9:57 AM
PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.
WISDOT/CADDS SHEET 49

STH 23 - WB STAGE 2B

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL. (CY) (UNADJUSTED)					CUMULATIVE VOL. (CY)									
			CUT	FILL	SALVAGED PAVEMENT MATERIAL	UNUSABLE FILL	MARSH EXC	ROCK EXC	EBS	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	MARSH BACKFILL	EBS/BACKFILL	
					NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5
579+60	57960.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0
579+65	57965.00	5.00	7.19	0.00	0.00	0.00	0.00	0.00	0.00	1	0	0	0	0	1	0	0	0	0
579+70	57970.00	5.00	16.70	0.00	0.00	0.00	0.00	0.00	0.00	2	0	0	0	0	3	0	0	0	0
579+75	57975.00	5.00	26.60	0.00	0.00	0.00	0.00	0.00	0.00	4	0	0	0	0	7	0	0	0	0
579+80	57980.00	5.00	36.55	0.00	0.00	0.00	0.00	0.00	0.00	6	0	0	0	0	13	0	0	0	0
579+85	57985.00	5.00	44.70	0.00	0.00	0.00	0.00	0.81	0.81	8	0	0	0	0	20	0	0	0	0
579+90	57990.00	5.00	141.54	0.00	0.00	0.00	0.00	20.00	20.00	17	0	0	0	0	38	0	0	0	0
579+90.09	57990.09	0.09	145.58	0.00	0.00	0.00	0.00	20.00	20.00	0	0	0	0	0	38	0	0	0	0
579+95	57995.00	4.91	239.79	0.00	0.00	0.00	0.00	20.00	20.00	35	0	0	0	4	73	0	0	0	0
580+00	58000.00	5.00	220.13	0.00	0.00	0.00	0.00	20.00	20.00	43	0	0	0	4	116	0	0	0	0
580+05	58005.00	5.00	197.11	0.00	0.00	0.00	0.00	20.00	20.00	39	0	0	0	4	154	0	0	0	0
580+10	58010.00	5.00	183.99	0.00	0.00	0.00	0.00	20.00	20.00	35	0	0	0	4	190	0	0	0	0
580+15	58015.00	5.00	167.22	0.00	0.00	0.00	0.00	9.99	9.99	33	0	0	0	3	222	0	0	0	0
580+20	58020.00	5.00	146.81	0.00	0.00	0.00	0.00	9.99	9.99	29	0	0	0	2	251	0	0	0	0
580+25	58025.00	5.00	124.48	0.00	0.00	0.00	0.00	9.99	9.99	25	0	0	0	2	276	0	0	0	0
580+30	58030.00	5.00	93.41	0.00	0.00	0.00	0.00	9.99	9.99	20	0	0	0	2	296	0	0	0	0
580+35	58035.00	5.00	14.48	0.00	0.00	0.00	0.00	6.51	6.51	10	0	0	0	2	306	0	0	0	0
580+36.78	58036.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	2	307	0	0	0	0
										307	0	0	0	0	27				

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 922
February 28, 2020

NOTES:
1 - CUT
2 - SALVA GED UNUSABLE PAVEMENT MATERIAL
3 - FILL
4 - EXPANDED MARSH BACKFILL
5 - EXPANDED EBS

CUT INCLUDES SALVA GED UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

PROJECT NO: 1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	EARTHWORK COMP: WB STAGE 2B	SHEET 922
FILE NAME: N:\PDS\3DU\4015015SHEETS\PLAN\EA\THWORK COMPUTATION\401572_73 WB STAGE 2C EARTHWORK COMPS.DWG	DATE: 2/21/2020 10:00 AM	PLOT BY: VOSE ENGINEERING	PLOT NAME: STH 23 - WB STAGE 2B	PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 923
 February 28, 2020

STH 23 - WB-STAGE 2B

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)					
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	MARSH BACKFILL
			NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5
633+40	63340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
633+45	63345.00	5.00	16.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
633+50	63350.00	5.00	31.39	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
633+52.9	63352.90	2.90	38.36	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00
633+55	63355.00	2.10	56.84	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00
633+60	63360.00	5.00	72.35	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00
633+65	63365.00	5.00	38.51	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	36.00	0.00	0.00	0.00	0.00
633+70	63370.00	5.00	14.63	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	41.00	0.00	0.00	0.00	0.00
633+75	63375.00	5.00	3.70	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	42.00	0.00	0.00	0.00	0.00
633+80	63380.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.00	0.00	0.00	0.00	0.00
									43	0	0	0	0	0	0	0

NOTES:
 1 - CUT
 2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
 3 - FILL
 4 - EXPANDED MARSH BACKFILL
 5 - EXPANDED EBS

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
 THIS DOES NOT SHOW UP IN CROSS SECTIONS
 ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
 WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
 WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

PROJECT NO: 1440-15-72/73
 HWY: STH 23
 COUNTY: FOND DU LAC
 EARTHWORK COMP: WB STAGE 2B
 FLOT BY: VOGEL
 FLOT DATE: 2/21/2020 10:02 AM
 PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.
 SHEET 923

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 951
 February 28, 2020

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL. (CY) (UNADJUSTED)						CUMULATIVE VOL. (CY)					
			CUT		FILL		CUT	UNUSABLE PAVEMENT MATERIAL	FILL	MARSH/EXC	ROCK/EXC	EBS	Select Crush	CUT	MARSH BACKFILL	EBS/BACKFILL		
			UNUSABLE PAVEMENT MATERIAL	CUT	UNUSABLE PAVEMENT MATERIAL	FILL											NOTE 1	NOTE 2
579+90(2)	57953.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
579+95(2)	57958.82	5.00	9.21	0.00	0.00	0.00	0.00	0.00	0.00	11.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
579+70(2)	57963.82	5.00	28.47	0.00	0.00	0.00	0.00	0.00	0.00	28.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
579+71.72(2)	57965.54	1.72	36.93	0.00	0.00	0.00	0.00	0.00	0.00	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
579+75(2)	57968.82	3.28	57.60	0.00	0.00	0.00	0.00	0.00	0.00	45.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
579+80(2)	57973.82	5.00	99.03	0.00	0.00	0.00	0.00	0.00	0.00	62.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
579+85(2)	57978.82	5.00	99.25	0.00	0.00	0.00	0.00	0.00	0.00	46.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
579+90(2)	57983.82	5.00	46.24	0.00	0.00	0.00	0.00	0.00	0.00	19.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
579+93.71(2)	57987.52	3.71	0.08	0.00	0.00	0.00	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
579+96(2)	57988.82	1.29	5.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
579+98.73(2)	57993.54	4.73	22.82	0.00	0.00	0.00	0.00	0.00	0.00	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
580+00(2)	57993.82	0.27	23.82	0.00	0.00	0.00	0.00	0.00	0.00	9.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
580+05(2)	57998.82	5.00	41.82	0.00	0.00	0.00	0.00	0.00	0.00	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
580+10(2)	58003.82	5.00	57.87	0.00	0.00	0.00	0.00	0.00	0.00	25.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
580+15(2)	58008.82	5.00	59.63	0.00	0.00	0.00	0.00	0.00	0.00	28.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
580+20(2)	58013.82	5.00	25.31	0.00	0.00	0.00	0.00	0.00	0.00	11.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
580+25(2)	58018.82	5.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
						101	0	0	0	0	0	0	0	0	0	0	0	57

NOTES:
 1 - CUT
 2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
 3 - FILL
 4 - EXPANDED MARSH BACKFILL
 5 - EXPANDED EBS

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
 THIS DOES NOT SHOW UP IN CROSS SECTIONS
 ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
 WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
 WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 959
 February 28, 2020

OLD PLANK TRAIL-STAGE 1A

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL. (CY) (UNADJUSTED)					CUMULATIVE VOL. (CY)							
			CUT	SALVAGED UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED MARSH BACKFILL	EXPANDED EBS/BACKFILL	
			NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5			
532+00(4)	52767.72	100.00	93.61	0.00	2.12	0.00	0.00	0.00	0.00	0.00	313	16	0	0	0	12,366	0	0
533+00(4)	52867.72	100.00	94.41	0.00	0.72	0.00	0.00	0.00	0.00	0.00	348	5	0	0	0	12,714	0	0
534+00(4)	52967.72	100.00	80.06	0.00	0.06	0.00	0.00	0.00	0.00	0.00	323	0	0	0	0	13,038	0	0
535+00(4)	53067.72	100.00	315.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	733	0	0	0	0	13,771	0	0
536+00(4)	53167.72	100.00	251.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,051	0	0	0	0	14,822	0	0
537+00(4)	53267.72	100.00	140.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	726	0	0	0	0	15,548	0	0
538+00(4)	53367.72	100.00	120.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	485	0	0	0	0	16,033	0	0
539+00(4)	53467.72	100.00	128.90	0.00	0.04	0.00	0.00	0.00	0.00	0.00	463	0	0	0	0	16,495	0	0
540+00(4)	53567.72	100.00	4.19	0.00	175.38	0.00	0.00	0.00	0.00	0.00	246	0	0	0	0	16,742	0	0
541+00(4)	53667.72	100.00	85.71	0.00	0.18	0.00	0.00	0.00	0.00	0.00	166	0	0	0	0	16,908	0	0
542+00(4)	53767.72	100.00	72.28	0.00	0.19	0.00	0.00	0.00	0.00	0.00	293	0	0	0	0	17,201	0	0
543+00(4)	53867.72	100.00	86.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	295	0	0	0	0	17,496	0	0
544+00(4)	53967.72	100.00	82.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	314	0	0	0	0	17,810	0	0
545+00(4)	54067.72	100.00	106.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	351	0	0	0	0	18,161	0	0
546+00(4)	54167.72	100.00	56.73	0.00	6.27	0.00	0.00	0.00	0.00	0.00	302	12	0	0	0	18,463	0	0
546+94.06(4)	54261.78	94.06	56.67	0.00	4.92	0.00	0.00	0.00	0.00	0.00	198	0	19	0	0	18,660	0	0
547+00(4)	54267.72	5.94	60.16	0.00	3.25	0.00	0.00	0.00	0.00	0.00	13	1	0	0	0	18,673	0	0
548+00(4)	54367.72	100.00	58.48	0.00	5.09	0.00	0.00	0.00	0.00	0.00	220	0	15	0	0	18,893	0	0
549+00(4)	54467.72	100.00	66.32	0.00	1.54	0.00	0.00	0.00	0.00	0.00	231	0	12	0	0	19,124	0	0
550+00(4)	54567.72	100.00	71.80	0.00	1.10	0.00	0.00	0.00	0.00	0.00	256	5	0	0	0	19,380	0	0
551+00(4)	54667.72	100.00	83.45	0.00	1.56	0.00	0.00	0.00	0.00	0.00	287	5	0	0	0	19,667	0	0
552+00(4)	54767.72	100.00	125.34	0.00	3.64	0.00	0.00	0.00	0.00	0.00	387	0	10	0	0	20,054	0	0
553+00(4)	54867.72	100.00	123.80	0.00	4.76	0.00	0.00	0.00	0.00	0.00	472	0	16	0	0	20,526	0	0
554+00(4)	54967.72	100.00	135.87	0.00	2.44	0.00	0.00	0.00	0.00	0.00	492	0	13	0	0	21,018	0	0
555+00(4)	55067.72	100.00	248.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	711	5	0	0	0	21,729	0	0
556+00(4)	55167.72	100.00	367.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,141	0	0	0	0	22,870	0	0
557+00(4)	55267.72	100.00	157.11	0.00	0.01	0.00	0.00	0.00	0.00	0.00	972	0	0	0	0	23,842	0	0
558+00(4)	55367.72	100.00	53.57	0.00	5.57	0.00	0.00	0.00	0.00	0.00	390	10	0	0	0	24,232	0	0
559+00(4)	55467.72	100.00	64.56	0.00	0.08	0.00	0.00	0.00	0.00	0.00	219	0	10	0	0	24,451	0	0
560+00(4)	55567.72	100.00	48.97	0.00	3.39	0.00	0.00	0.00	0.00	0.00	210	6	0	0	0	24,661	0	0
561+00(4)	55667.72	100.00	54.31	0.00	4.76	0.00	0.00	0.00	0.00	0.00	191	0	15	0	0	24,853	0	0
562+00(4)	55767.72	100.00	73.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	237	0	9	0	0	25,090	0	0
563+00(4)	55867.72	100.00	37.48	0.00	9.63	0.00	0.00	0.00	0.00	0.00	206	18	0	0	0	25,296	0	0
564+00(4)	55967.72	100.00	66.35	0.00	0.23	0.00	0.00	0.00	0.00	0.00	192	0	18	0	0	25,488	0	0
565+00(4)	56067.72	100.00	90.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	291	0	0	0	0	25,779	0	0

NOTES:
 1 - CUT
 2 - SALVAGED UNUSABLE PAVEMENT MATERIAL
 3 - FILL
 4 - EXPANDED MARSH BACKFILL
 5 - EXPANDED EBS

CUT INCLUDES SALVAGED UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
 THIS DOES NOT SHOW UP IN CROSS SECTIONS
 ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
 WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
 WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

HINN RD-STAGE 1A

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/PAVEMENT MATERIAL	SALVAGED/PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	MARSH BACKFILL	EXPANDED EBS/BACKFILL	EXPANDED EBS/BACKFILL
			NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	
49+20.35	4920.35	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	
49+25	4925.00	4.65	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	
49+30	4930.00	5.00	0.00	0.00	0.00	0.00	0.00	1	0	0	1	0	
49+35	4935.00	5.00	3.54	0.00	0.21	0.00	0.00	1	0	0	2	0	
49+40	4940.00	5.00	4.39	0.00	0.94	0.00	0.00	1	0	0	2	0	
49+45	4945.00	5.00	5.45	0.00	1.98	0.00	0.00	1	0	0	3	0	
49+50	4950.00	5.00	6.13	0.00	4.57	0.00	0.00	1	0	1	4	0	
49+55	4955.00	5.00	6.60	0.00	9.09	0.00	0.00	1	0	1	5	0	
49+60	4960.00	5.00	7.43	0.00	16.15	0.00	0.00	1	0	2	6	0	
49+65	4965.00	5.00	9.00	0.00	29.10	0.00	0.00	2	0	4	7	0	
49+70	4970.00	5.00	9.85	0.00	49.37	0.00	0.00	2	0	7	8	0	
49+75	4975.00	5.00	10.12	0.00	81.68	0.00	0.00	2	0	12	10	0	
49+80	4980.00	5.00	10.34	0.00	126.70	0.00	0.00	2	0	19	14	0	
49+85	4985.00	5.00	10.32	0.00	169.02	0.00	0.00	2	0	27	16	0	
49+90	4990.00	5.00	10.34	0.00	201.54	0.00	0.00	2	0	34	18	0	
49+95	4995.00	5.00	10.22	0.00	218.84	0.00	0.00	2	0	39	20	0	
50+00	5000.00	5.00	8.44	0.00	227.57	0.00	0.00	2	0	41	21	0	
50+05	5005.00	5.00	8.56	0.00	228.96	0.00	0.00	2	0	42	23	0	
50+10	5010.00	5.00	9.36	0.00	215.47	0.00	0.00	2	0	41	25	0	
50+15	5015.00	5.00	10.13	0.00	194.10	0.00	0.00	2	0	38	26	0	
50+17.19	5017.19	2.19	7.80	0.00	188.66	0.00	0.00	1	0	16	27	0	
50+25	5025.00	7.81	0.00	0.00	215.88	0.00	0.00	1	0	59	28	0	
50+50	5050.00	25.00	0.00	0.00	183.18	0.00	0.00	0	0	185	28	0	
50+75	5075.00	25.00	0.03	0.00	101.21	0.00	0.00	0	0	132	28	0	
51+00	5100.00	25.00	3.78	0.00	33.65	0.00	0.00	2	0	62	30	0	
51+19.17	5119.17	19.17	28.75	0.00	18.48	0.00	0.00	12	0	19	42	0	
								42	0	782	0	0	

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 972
February 28, 2020

NOTES:
1 - CUT
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL
4 - EXPANDED MARSH BACKFILL
5 - EXPANDED EBS

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

PROJECT NO: 1440-15-72/73

HWY: 5TH E3

COUNTY: FOND DU LAC

EARTHWORK COMP: HINN RD

SHEET 972

E

FILE NAME: N:\PDS\3DU\44015015SHEETS\PAVE\PAVE\AR\HINN RD EARTHWORK COMPS.DWG

PLOT DATE: 2/21/2020 10:14 AM

PLOT BY: VOGEL, KURT MICHAEL

PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.

WISDOT/CADDS SHEET 49

CTH W NORTH STAGE 2B

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL. (CY) (UNADJUSTED)					CUMULATIVE VOL. (CY)						
			CUT	SALVAGED UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED UNUSABLE	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED MARSH BACKFILL
									NOTE 1	NOTE 2	NOTE 3		NOTE 1	NOTE 4	NOTE 5	
50+00	5000.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
50+05	5005.00	5.00	24.73	0.00	0.00	0.00	0.00	0.00	2	0	0	0	2	0	0	0
50+10	5010.00	5.00	50.05	0.00	0.00	0.00	0.00	0.00	7	0	0	0	9	0	0	0
50+15	5015.00	5.00	78.87	0.00	0.00	0.00	0.00	0.00	12	0	0	0	21	0	0	0
50+20	5020.00	5.00	112.20	0.00	0.00	0.00	0.00	0.00	18	0	0	0	39	0	0	0
50+25	5025.00	5.00	148.45	0.00	0.00	0.00	0.00	0.00	24	0	0	0	63	0	0	0
50+30	5030.00	5.00	180.87	0.00	0.00	0.00	0.00	0.00	30	0	0	0	93	0	0	0
50+35	5035.00	5.00	208.95	0.00	0.00	0.00	0.00	0.00	36	0	0	0	130	0	0	0
50+40	5040.00	5.00	235.05	0.00	0.00	0.00	0.00	0.00	41	0	0	0	171	0	0	0
50+45	5045.00	5.00	257.67	0.00	0.00	0.00	0.00	0.00	46	0	0	0	216	0	0	0
50+50	5050.00	5.00	281.19	0.00	0.00	0.00	0.00	0.00	50	0	0	0	266	0	0	0
50+55	5055.00	5.00	290.65	0.00	0.00	0.00	0.00	0.00	53	0	0	0	319	0	0	0
50+60	5060.00	5.00	302.54	0.00	0.00	0.00	0.00	0.00	55	0	0	0	374	0	0	0
50+65	5065.00	5.00	310.63	0.00	0.00	0.00	0.00	0.00	57	0	0	0	431	0	0	0
50+70	5070.00	5.00	318.13	0.00	0.00	0.00	0.00	0.00	58	0	0	0	489	0	0	0
50+75	5075.00	5.00	314.34	0.00	1.17	0.00	0.00	0.00	59	0	0	0	548	0	0	0
50+80	5080.00	5.00	286.92	0.00	13.13	0.00	0.00	0.00	56	0	1	0	603	0	0	0
50+85	5085.00	5.00	272.34	0.00	48.06	0.00	0.00	0.00	52	0	6	0	655	0	0	0
50+90	5090.00	5.00	272.60	0.00	84.02	0.00	0.00	0.00	50	0	12	0	706	0	0	0
50+95	5095.00	5.00	254.11	0.00	92.00	0.00	0.00	0.00	49	0	16	0	754	0	0	0
51+00	5100.00	5.00	215.37	0.00	85.01	0.00	0.00	0.00	43	0	16	0	798	0	0	0
51+05	5105.00	5.00	157.38	0.00	86.65	0.00	0.00	0.00	35	0	16	0	832	0	0	0
51+10	5110.00	5.00	155.13	0.00	80.86	0.00	0.00	0.00	29	0	16	0	861	0	0	0
51+15	5115.00	5.00	137.90	0.00	65.24	0.00	0.00	0.00	27	0	14	0	888	0	0	0
51+20	5120.00	5.00	128.21	0.00	55.07	0.00	0.00	0.00	25	0	11	0	913	0	0	0
51+25	5125.00	5.00	124.68	0.00	43.89	0.00	0.00	0.00	23	0	9	0	936	0	0	0
51+30	5130.00	5.00	78.25	0.00	34.95	0.00	0.00	0.00	19	0	7	0	955	0	0	0
51+35	5135.00	5.00	64.11	0.00	27.73	0.00	0.00	0.00	13	0	6	0	968	0	0	0
51+40	5140.00	5.00	59.57	0.00	20.12	0.00	0.00	0.00	11	0	4	0	980	0	0	0
51+45	5145.00	5.00	57.16	0.00	15.45	0.00	0.00	0.00	11	0	3	0	991	0	0	0
51+50	5150.00	5.00	54.85	0.00	9.74	0.00	0.00	0.00	10	0	2	0	1,001	0	0	0
51+55	5155.00	5.00	55.09	0.00	5.14	0.00	0.00	0.00	10	0	1	0	1,011	0	0	0
51+60	5160.00	5.00	59.61	0.00	3.69	0.00	0.00	0.00	11	0	1	0	1,022	0	0	0
51+65	5165.00	5.00	62.72	0.00	4.40	0.00	0.00	0.00	11	0	1	0	1,033	0	0	0
51+70	5170.00	5.00	64.53	0.00	5.27	0.00	0.00	0.00	12	0	1	0	1,045	0	0	0
									1,045	0	144	0				

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 973
February 28, 2020

NOTES:
1 - CUT
2 - SALVAGED UNUSABLE PAVEMENT MATERIAL
THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL
4 - EXPANDED MARSH BACKFILL
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
5 - EXPANDED EBS
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

LOEHR RD-STAGE 1A

STATION/REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)									
		CUT	SALVAGED/ PAVEMENT MATERIAL	FILL	MARSH/EXC	ROCK/EXC	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH/EXC	ROCK/EXC	EBS	CUT	EXPANDED MARSH/BACKFILL 1:50	EXPANDED EBS/BACKFILL 1:15	NOTE 5
00+00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	
00+05	5.00	5.63	0.00	0.00	0.00	0.00	0.00	1	0	0	0	0	1	0	0	0	
00+10	10.00	9.74	0.00	0.00	0.00	0.00	0.00	1	0	0	0	0	2	0	0	0	
00+15	15.00	13.81	0.00	0.00	0.00	0.00	0.00	2	0	0	0	0	4	0	0	0	
00+20	20.00	18.54	0.00	0.00	0.00	0.00	0.00	3	0	0	0	0	7	0	0	0	
00+25	25.00	22.98	0.00	0.00	0.00	0.00	0.00	4	0	0	0	0	11	0	0	0	
00+30	30.00	26.13	0.00	0.00	0.00	0.00	0.00	5	0	0	0	0	16	0	0	0	
00+35	35.00	29.11	0.00	0.00	0.00	0.00	0.00	5	0	0	0	0	21	0	0	0	
00+40	40.00	33.00	0.00	0.00	0.00	0.00	0.00	6	0	0	0	0	26	0	0	0	
00+45	45.00	36.75	0.00	0.00	0.00	0.00	0.00	6	0	0	0	0	33	0	0	0	
00+50	50.00	41.02	0.00	0.00	0.00	0.00	0.00	7	0	0	0	0	40	0	0	0	
00+55	55.00	43.84	0.00	0.00	0.00	0.00	0.00	8	0	0	0	0	48	0	0	0	
00+60	60.00	45.66	0.00	0.00	0.00	0.00	0.00	8	0	0	0	0	56	0	0	0	
00+65	65.00	46.26	0.00	0.00	0.00	0.00	0.00	9	0	1	0	0	65	0	0	0	
00+70	70.00	46.57	0.00	17.80	0.00	0.00	0.00	9	0	2	0	0	73	0	0	0	
00+75	75.00	46.86	0.00	23.38	0.00	0.00	0.00	9	0	4	0	0	82	0	0	0	
00+80	80.00	47.43	0.00	28.50	0.00	0.00	0.00	9	0	5	0	0	91	0	0	0	
00+85	85.00	48.06	0.00	32.91	0.00	0.00	0.00	9	0	6	0	0	100	0	0	0	
00+90	90.00	48.39	0.00	31.69	0.00	0.00	0.00	9	0	6	0	0	108	0	0	0	
00+95	95.00	32.69	0.00	31.05	0.00	0.00	0.00	8	0	6	0	0	116	0	0	0	
01+00	100.00	24.92	0.00	28.55	0.00	0.00	0.00	5	0	6	0	0	121	0	0	0	
01+05	105.00	26.34	0.00	24.29	0.00	0.00	0.00	5	0	5	0	0	126	0	0	0	
01+10	110.00	14.73	0.00	29.13	0.00	0.00	0.00	4	0	5	0	0	130	0	0	0	
01+15	115.00	33.57	0.00	18.54	0.00	0.00	0.00	4	0	4	0	0	134	0	0	0	
01+20	120.00	71.15	0.00	11.72	0.00	0.00	0.00	10	0	3	0	0	144	0	0	0	
01+25	125.00	88.91	0.00	8.65	0.00	0.00	0.00	15	0	2	0	0	159	0	0	0	
01+30	130.00	99.29	0.00	5.66	0.00	0.00	0.00	17	0	1	0	0	176	0	0	0	
01+35	135.00	103.46	0.00	5.03	0.00	0.00	0.00	19	0	1	0	0	195	0	0	0	
01+40	140.00	100.90	0.00	3.66	0.00	0.00	0.00	19	0	1	0	0	214	0	0	0	
01+45	145.00	89.07	0.00	2.27	0.00	0.00	0.00	18	0	1	0	0	232	0	0	0	
01+50	150.00	60.37	0.00	0.60	0.00	0.00	0.00	14	0	0	0	0	245	0	0	0	
01+55	155.00	21.29	0.00	6.31	0.00	0.00	0.00	8	0	1	0	0	253	0	0	0	
01+60	160.00	16.95	0.00	61.90	0.00	0.00	0.00	4	0	6	0	0	256	0	0	0	
01+65	165.00	16.02	0.00	130.80	0.00	0.00	0.00	3	0	18	0	0	260	0	0	0	
01+70	170.00	19.18	0.00	196.55	0.00	0.00	0.00	3	0	30	0	0	263	0	0	0	
01+75	175.00	22.61	0.00	246.08	0.00	0.00	0.00	4	0	41	0	0	267	0	0	0	

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 974
February 28, 2020

NOTES:
1 - CUT
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL
4 - EXPANDED MARSH BACKFILL
5 - EXPANDED EBS

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

PROJECT NO: 1440-15-72/73

HWY: 5TH Z3

COUNTY: FOND DU LAC

EARTHWORK COMP: LOEHR RD

SHEET 974

E

LOEHR RD-STAGE 1A

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)										
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	MARSH BACKFILL	EXPANDED EBS/BACKFILL			
			NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5					
01+80	180.00	5.00	26.23	0.00	273.84	0.00	0.00	0.00	0.00	0.00	5	0	48	0	0	0	0	271	0	0
01+85	185.00	5.00	30.98	0.00	294.78	0.00	0.00	0.00	0.00	0.00	5	0	53	0	0	0	0	276	0	0
01+90	190.00	5.00	32.98	0.00	296.92	0.00	0.00	0.00	0.00	0.00	6	0	55	0	0	0	0	282	0	0
01+95	195.00	5.00	35.44	0.00	267.31	0.00	0.00	0.00	0.00	0.00	6	0	52	0	0	0	0	289	0	0
02+00	200.00	5.00	38.38	0.00	207.72	0.00	0.00	0.00	0.00	0.00	7	0	44	0	0	0	0	296	0	0
02+05	205.00	5.00	40.30	0.00	131.15	0.00	0.00	0.00	0.00	0.00	7	0	31	0	0	0	0	303	0	0
02+10	210.00	5.00	47.52	0.00	65.44	0.00	0.00	0.00	0.00	0.00	8	0	18	0	0	0	0	311	0	0
02+15	215.00	5.00	62.64	0.00	17.78	0.00	0.00	0.00	0.00	0.00	10	0	8	0	0	0	0	321	0	0
02+20	220.00	5.00	55.22	0.00	0.52	0.00	0.00	0.00	0.00	0.00	11	0	2	0	0	0	0	332	0	0
02+25	225.00	5.00	43.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	0	0	0	0	0	0	341	0	0
02+29.59	229.59	4.59	44.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7	0	0	0	0	0	0	349	0	0
											349	0	465	0	0	0	0			

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 975
February 28, 2020

NOTES:

- 1 - CUT
- 2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
- 3 - FILL
- 4 - EXPANDED MARSH BACKFILL
- 5 - EXPANDED EBS

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

PROJECT NO: 1440-15-72/73

HWY: 5TH Z3

COUNTY: FOND DU LAC

EARTHWORK COMP: LOEHR RD

SHEET

975

E

LOG TAVERN RD-STAGE 2B

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL. (CY) (UNADJUSTED)				CUMULATIVE VOL. (CY)							
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	EXPANDED MARSH BACKFILL	EXPANDED EBS/BACKFILL
37+39.36	3739.36	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+40	3740.00	0.64	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+45	3745.00	5.00	22.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+50	3750.00	5.00	43.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+55	3755.00	5.00	62.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+60	3760.00	5.00	80.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+65	3765.00	5.00	97.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+70	3770.00	5.00	112.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+75	3775.00	5.00	123.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+80	3780.00	5.00	131.08	0.00	0.00	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+85	3785.00	5.00	130.22	0.00	0.00	21.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+90	3790.00	5.00	131.41	0.00	0.00	38.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
37+95	3795.00	5.00	127.51	0.00	0.00	60.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+00	3800.00	5.00	123.84	0.00	0.00	81.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+05	3805.00	5.00	129.54	0.00	0.00	65.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+10	3810.00	5.00	126.04	0.00	0.00	54.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+15	3815.00	5.00	119.07	0.00	0.00	53.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+20	3820.00	5.00	115.47	0.00	0.00	42.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+25	3825.00	5.00	92.19	0.00	0.00	46.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+30	3830.00	5.00	90.69	0.00	0.00	32.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+35	3835.00	5.00	101.41	0.00	0.00	17.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+39.33	3839.33	4.33	92.11	0.00	0.00	5.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+50	3850.00	10.67	47.50	0.00	0.00	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38+75	3875.00	25.00	60.32	0.00	0.00	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
39+00	3900.00	25.00	48.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
39+15.35	3915.35	15.35	43.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
								524	0	100	0	0	0	0	0	

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 977
February 28, 2020

NOTES:
1 - CUT THIS DOES NOT SHOW UP IN CROSS SECTIONS
2 - SALVAGED UNUSABLE PAVEMENT MATERIAL ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
3 - FILL WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
4 - EXPANDED MARSH BACKFILL WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
5 - EXPANDED EBS

PT RD-STAGE 1A

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL. (CY) (UNADJUSTED)						CUMULATIVE VOL. (CY)					
			CUT	UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED / UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED MARSH BACKFILL	EXPANDED EBS/BACKFILL
40+01.01	4001.01	0.00	44.82	0.00	9.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40+25	4025.00	23.99	58.01	0.00	6.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40+50	4050.00	25.00	80.67	0.00	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40+75	4075.00	25.00	115.66	0.00	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41+00	4100.00	25.00	177.71	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41+25	4125.00	25.00	131.61	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41+50	4150.00	25.00	123.43	0.00	1.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41+75	4175.00	25.00	174.68	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42+00	4200.00	25.00	200.82	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42+25	4225.00	25.00	224.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42+50	4250.00	25.00	255.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42+75	4275.00	25.00	243.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42+78.77	4278.77	3.77	241.99	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42+80	4280.00	1.23	241.68	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42+85	4285.00	5.00	245.69	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42+90	4290.00	5.00	262.91	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42+95	4295.00	5.00	269.54	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+00	4300.00	5.00	279.52	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+05	4305.00	5.00	266.92	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+10	4310.00	5.00	236.16	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+15	4315.00	5.00	222.45	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+20	4320.00	5.00	228.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+25	4325.00	5.00	241.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+30	4330.00	5.00	235.98	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+35	4335.00	5.00	243.15	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+40	4340.00	5.00	256.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+45	4345.00	5.00	249.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+50	4350.00	5.00	252.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+55	4355.00	5.00	278.31	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+60	4360.00	5.00	302.16	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+65	4365.00	5.00	313.81	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+70	4370.00	5.00	313.01	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+75	4375.00	5.00	280.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+80	4380.00	5.00	284.30	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+85	4385.00	5.00	259.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43+90	4390.00	5.00	254.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 978
February 28, 2020

NOTES:
1 - CUT
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
4 - EXPANDED MARSH BACKFILL
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
5 - EXPANDED EBS
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

PROJECT NO: 1440-15-72/73 HWY: 5TH E3 COUNTY: FOND DU LAC EARTHWORK COMP: PIT RD
FILE NAME: N:\PDS\3DU\4015015SHEETS\PAVE\AR\COMPUT\401572_73_PIT RD EARTHWORK COMPS.DWG PLOT DATE: 2/21/2020 10:36 AM PLOT NAME: VOGEL, KURT MICHAEL
LAYOUT NAME: 01 PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.

PIT RD-STAGE 1A

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL. (CY) (UNADJUSTED)					CUMULATIVE VOL. (CY)							
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	MARSH BACKFILL	EXPANDED EBS/BACKFILL
			NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 4	NOTE 5	NOTE 5	NOTE 5
43+95	4395.00	5.00	262.77	0.00	0.00	0.00	0.00	43.37	0.00	0.00	0.00	0.00	8	2.772	0	0	0
44+00	4400.00	5.00	281.32	0.00	0.00	0.00	0.00	84.83	0.00	0.00	0.00	0.00	12	2.772	0	0	0
44+05	4405.00	5.00	282.37	0.00	0.00	0.00	0.00	85.16	0.00	0.00	0.00	0.00	16	2.825	0	0	0
44+10	4410.00	5.00	271.55	0.00	0.00	0.00	0.00	82.88	0.00	0.00	0.00	0.00	16	2.876	0	0	0
44+15	4415.00	5.00	253.10	0.00	0.00	0.00	0.00	81.28	0.00	0.00	0.00	0.00	15	2.924	0	0	0
44+20	4420.00	5.00	231.47	0.00	0.68	0.00	0.00	80.39	0.00	0.00	0.00	0.00	15	2.969	0	0	0
44+25	4425.00	5.00	207.59	0.00	1.81	0.00	0.00	80.24	0.00	0.00	0.00	0.00	15	3.010	0	0	0
44+30	4430.00	5.00	191.20	0.00	3.50	0.00	0.00	80.94	0.00	0.00	0.00	0.00	15	3.047	0	0	0
44+35	4435.00	5.00	184.73	0.00	4.03	0.00	0.00	82.38	0.00	0.00	0.00	0.00	15	3.082	0	0	0
44+40	4440.00	5.00	171.75	0.00	0.00	0.00	0.00	78.00	0.00	0.00	0.00	0.00	15	3.115	0	0	0
44+45	4445.00	5.00	151.81	0.00	0.00	0.00	0.00	67.26	0.00	0.00	0.00	0.00	13	3.145	0	0	0
44+50	4450.00	5.00	129.82	0.00	0.00	0.00	0.00	56.53	0.00	0.00	0.00	0.00	11	3.171	0	0	0
44+55	4455.00	5.00	106.53	0.00	0.00	0.00	0.00	45.80	0.00	0.00	0.00	0.00	9	3.193	0	0	0
44+60	4460.00	5.00	82.52	0.00	0.00	0.00	0.00	35.06	0.00	0.00	0.00	0.00	7	3.210	0	0	0
44+65	4465.00	5.00	58.02	0.00	0.00	0.00	0.00	24.33	0.00	0.00	0.00	0.00	5	3.223	0	0	0
44+70	4470.00	5.00	32.90	0.00	0.00	0.00	0.00	13.59	0.00	0.00	0.00	0.00	4	3.232	0	0	0
44+75	4475.00	5.00	7.03	0.00	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00	2	3.235	0	0	0
44+76.32	4476.32	1.32	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0	3.235	0	0	0

3.235 0 22 0 0 209

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 979
February 28, 2020

NOTES:
1 - CUT
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL
4 - EXPANDED MARSH BACKFILL
5 - EXPANDED EBS

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

PROJECT NO: 1440-15-72/73

COUNTY: FOND DU LAC

EARTHWORK COMP: PIT RD

SHEET 979

E

PIT RD-STAGE 1A

STATION/REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL. (CY) (UNADJUSTED)				CUMULATIVE VOL. (CY)					
		CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS
45+41.73	0.00	47.11	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
45+45	3.27	11.95	0.00	0.00	0.00	0.00	0.00	4	0	0	0	0	4
45+50	5.00	30.46	0.00	0.00	0.00	0.00	0.00	4	0	0	0	0	7
45+55	5.00	49.80	0.00	0.00	0.00	0.00	0.00	7	0	0	0	0	15
45+60	5.00	65.83	0.00	0.00	0.00	0.00	0.00	11	0	0	0	0	26
45+65	5.00	81.51	0.00	0.00	0.00	0.00	0.00	14	0	0	0	0	39
45+70	5.00	97.25	0.00	0.00	0.00	0.00	0.00	17	0	0	0	0	56
45+75	5.00	112.54	0.00	0.00	0.00	0.00	0.00	19	0	0	0	0	75
45+80	5.00	110.30	0.00	10.57	0.00	0.00	0.00	21	0	1	0	0	96
45+85	5.00	103.76	0.00	21.69	0.00	0.00	0.00	20	0	3	0	0	116
45+90	5.00	97.24	0.00	27.02	0.00	0.00	0.00	19	0	5	0	0	134
45+95	5.00	92.25	0.00	27.53	0.00	0.00	0.00	18	0	5	0	0	152
46+00	5.00	88.92	0.00	22.50	0.00	0.00	0.00	17	0	5	0	0	169
46+05	5.00	87.03	0.00	18.42	0.00	0.00	0.00	16	0	4	0	0	185
46+10	5.00	86.00	0.00	15.84	0.00	0.00	0.00	16	0	3	0	0	201
46+15	5.00	86.03	0.00	12.28	0.00	0.00	0.00	16	0	3	0	0	217
46+20	5.00	87.44	0.00	9.24	0.00	0.00	0.00	16	0	2	0	0	233
46+22.14	2.14	80.36	0.00	9.30	0.00	0.00	0.00	7	0	1	0	0	239
46+25	2.86	70.85	0.00	5.12	0.00	0.00	0.00	8	0	1	0	0	248
46+50	25.00	26.12	0.00	3.39	0.00	0.00	0.00	45	0	4	0	0	292
46+75	25.00	32.69	0.00	10.46	0.00	0.00	0.00	27	0	6	0	0	320
47+00	25.00	38.42	0.00	3.14	0.00	0.00	0.00	33	0	6	0	0	353
47+25	25.00	36.21	0.00	1.41	0.00	0.00	0.00	35	0	2	0	0	387
47+50	25.00	40.60	0.00	0.03	0.00	0.00	0.00	36	0	1	0	0	423
47+75	25.00	50.28	0.00	0.00	0.00	0.00	0.00	42	0	0	0	0	465
48+00	25.00	49.60	0.00	0.05	0.00	0.00	0.00	46	0	0	0	0	511
48+25	25.00	49.89	0.00	0.10	0.00	0.00	0.00	46	0	0	0	0	557
48+50	25.00	40.88	0.00	2.72	0.00	0.00	0.00	42	0	1	0	0	599
48+53	3.00	40.46	0.00	2.59	0.00	0.00	0.00	5	0	0	0	0	604

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 980
February 28, 2020

NOTES:
1 - CUT
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL
4 - EXPANDED MARSH BACKFILL
5 - EXPANDED EBS

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

HILLVIEW RD-STAGE 1A

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)							
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED MARSH BACKFILL	EXPANDED EBS/BACKFILL
45+20.95	4520.95	0.00	51.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45+25	4525.00	4.05	51.32	0.00	0.01	0.00	0.00	0.00	0.00	8	0	0	0	0	8	0	0
45+50	4550.00	25.00	51.62	0.00	0.00	0.00	0.00	0.00	0.00	48	0	0	0	55	0	0	0
45+75	4575.00	25.00	49.87	0.00	0.72	0.00	0.00	0.00	0.00	47	0	0	0	102	0	0	0
48+00	4800.00	25.00	54.47	0.00	3.52	0.00	0.00	0.00	0.00	48	0	2	0	151	0	0	0
48+25	4825.00	25.00	108.59	0.00	0.00	0.00	0.00	0.00	0.00	75	0	2	0	226	0	0	0
48+50	4850.00	25.00	136.25	0.00	2.99	0.00	0.00	0.00	0.00	113	0	1	0	340	0	0	0
48+75	4875.00	25.00	46.04	0.00	152.83	0.00	0.00	0.00	0.00	84	0	72	0	424	0	0	0
47+00	4700.00	25.00	48.99	0.00	421.72	0.00	0.00	0.00	0.00	44	0	266	0	468	0	0	0
47+25	4725.00	25.00	76.99	0.00	278.25	0.00	0.00	0.00	0.00	58	0	324	0	526	0	0	0
47+50	4750.00	25.00	97.34	0.00	80.14	0.00	0.00	0.00	0.00	81	0	166	0	607	0	0	0
47+75	4775.00	25.00	117.89	0.00	37.21	0.00	0.00	0.00	0.00	100	0	54	0	707	0	0	0
48+00	4800.00	25.00	72.85	0.00	189.81	0.00	0.00	0.00	0.00	88	0	105	0	795	0	0	0
48+07.18	4807.18	7.18	70.51	0.00	215.62	0.00	0.00	0.00	0.00	19	0	54	0	814	0	0	0
48+10	4810.00	2.82	67.09	0.00	227.54	0.00	0.00	0.00	0.00	7	0	23	0	821	0	0	0
48+15	4815.00	5.00	61.58	0.00	229.73	0.00	0.00	0.00	0.00	12	0	42	0	833	0	0	0
48+20	4820.00	5.00	56.61	0.00	220.40	0.00	0.00	0.00	0.00	11	0	42	0	844	0	0	0
48+25	4825.00	5.00	53.64	0.00	213.34	0.00	0.00	0.00	0.00	10	0	40	0	854	0	0	0
48+30	4830.00	5.00	51.48	0.00	209.69	0.00	0.00	0.00	0.00	10	0	39	0	864	0	0	0
48+35	4835.00	5.00	48.44	0.00	212.84	0.00	0.00	0.00	0.00	9	0	39	0	873	0	0	0
48+40	4840.00	5.00	43.74	0.00	210.72	0.00	0.00	0.00	0.00	9	0	39	0	882	0	0	0
48+45	4845.00	5.00	40.24	0.00	198.38	0.00	0.00	0.00	0.00	8	0	38	0	890	0	0	0
48+50	4850.00	5.00	36.15	0.00	174.87	0.00	0.00	0.00	0.00	7	0	35	0	897	0	0	0
48+55	4855.00	5.00	31.36	0.00	140.72	0.00	0.00	0.00	0.00	6	0	29	0	903	0	0	0
48+60	4860.00	5.00	27.69	0.00	111.81	0.00	0.00	0.00	0.00	5	0	23	0	908	0	0	0
48+65	4865.00	5.00	24.58	0.00	86.81	0.00	0.00	0.00	0.00	5	0	18	0	913	0	0	0
48+70	4870.00	5.00	22.66	0.00	65.43	0.00	0.00	0.00	0.00	4	0	14	0	918	0	0	0
48+75	4875.00	5.00	21.57	0.00	55.08	0.00	0.00	0.00	0.00	4	0	11	0	922	0	0	0
48+80	4880.00	5.00	23.82	0.00	64.43	0.00	0.00	0.00	0.00	4	0	11	0	926	0	0	0
48+85	4885.00	5.00	22.18	0.00	88.11	0.00	0.00	0.00	0.00	4	0	14	0	930	0	0	0
48+90	4890.00	5.00	15.66	0.00	111.61	0.00	0.00	0.00	0.00	4	0	18	0	934	0	0	0
48+95	4895.00	5.00	14.46	0.00	127.70	0.00	0.00	0.00	0.00	3	0	22	0	936	0	0	0
49+00	4900.00	5.00	9.77	0.00	141.61	0.00	0.00	0.00	0.00	2	0	25	0	939	0	0	0
49+05	4905.00	5.00	38.81	0.00	165.54	0.00	0.00	0.00	0.00	4	0	28	0	943	0	0	0
49+10	4910.00	5.00	54.78	0.00	167.02	0.00	0.00	0.00	0.00	9	0	31	0	952	0	0	0
49+15	4915.00	5.00	60.32	0.00	164.48	0.00	0.00	0.00	0.00	11	0	31	0	962	0	0	0

Addendum No. 01
ID 1440-15-72/73
Revised Sheet 985
February 28, 2020

NOTES:
1 - CUT
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL
4 - EXPANDED MARSH BACKFILL
5 - EXPANDED EBS

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

PROJECT NO: 1440-15-72/73

COUNTY: FOND DU LAC

EARTHWORK COMP: HILLVIEW RD

SHEET 985

HILLVIEW RD-STAGE 1A

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVEVOL (CY)							
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	MARSH BACKFILL	EXPANDED EBS/BACKFILL	EXPANDED EBS/BACKFILL
49+20	4920.00	5.00	65.04	0.00	158.02	0.00	0.00	0.00	0.00	71.77	12	0	30	0	0	0	0	974
49+25	4925.00	5.00	65.92	0.00	144.09	0.00	0.00	0.00	77.07	12	12	0	28	0	0	0	0	986
49+30	4930.00	5.00	66.27	0.00	120.68	0.00	0.00	0.00	83.72	12	12	0	25	0	0	0	0	998
49+35	4935.00	5.00	66.20	0.00	83.79	0.00	0.00	0.00	88.26	12	12	0	19	0	0	0	0	1,011
49+40	4940.00	5.00	66.06	0.00	58.62	0.00	0.00	0.00	90.62	12	12	0	13	0	0	0	0	1,023
49+45	4945.00	5.00	65.78	0.00	35.87	0.00	0.00	0.00	91.68	12	12	0	9	0	0	0	0	1,035
49+50	4950.00	5.00	65.60	0.00	10.58	0.00	0.00	0.00	90.11	12	12	0	4	0	0	0	0	1,047
49+55	4955.00	5.00	64.24	0.00	2.92	0.00	0.00	0.00	85.79	12	12	0	1	0	0	0	0	1,059
49+60	4960.00	5.00	61.30	0.00	0.35	0.00	0.00	0.00	78.50	12	12	0	0	0	0	0	0	1,071
49+65	4965.00	5.00	57.84	0.00	0.00	0.00	0.00	0.00	69.00	11	11	0	0	0	0	0	0	1,082
49+70	4970.00	5.00	51.92	0.00	0.00	0.00	0.00	0.00	59.14	10	10	0	0	0	0	0	0	1,092
49+75	4975.00	5.00	47.15	0.00	0.00	0.00	0.00	0.00	49.28	9	9	0	0	0	0	0	0	1,101
49+80	4980.00	5.00	44.75	0.00	0.00	0.00	0.00	0.00	39.43	9	9	0	0	0	0	0	0	1,110
49+85	4985.00	5.00	39.17	0.00	0.00	0.00	0.00	0.00	29.57	8	8	0	0	0	0	0	0	1,118
49+90	4990.00	5.00	29.88	0.00	0.00	0.00	0.00	0.00	19.71	6	6	0	0	0	0	0	0	1,124
49+95	4995.00	5.00	16.82	0.00	0.00	0.00	0.00	0.00	9.85	4	4	0	0	0	0	0	0	1,128
50+00	5000.00	5.00	0.06	0.00	0.00	0.00	0.00	0.00	0.03	2	2	0	0	0	0	0	0	1,130

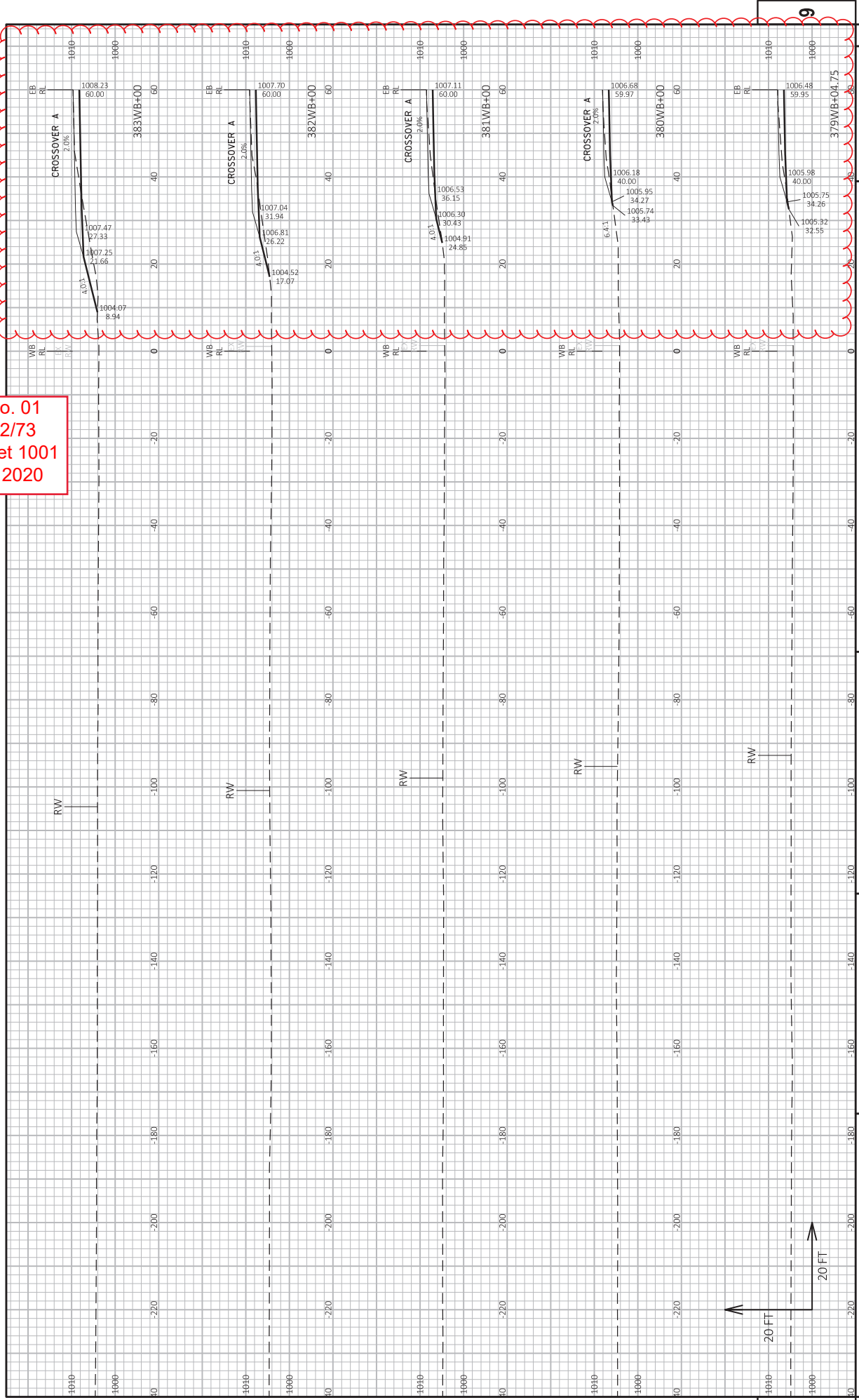
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Addendum No. 01
ID 1440-15-72/73
Revised Sheet 986
February 28, 2020

NOTES:
1 - CUT
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL
4 - EXPANDED MARSH BACKFILL
5 - EXPANDED EBS

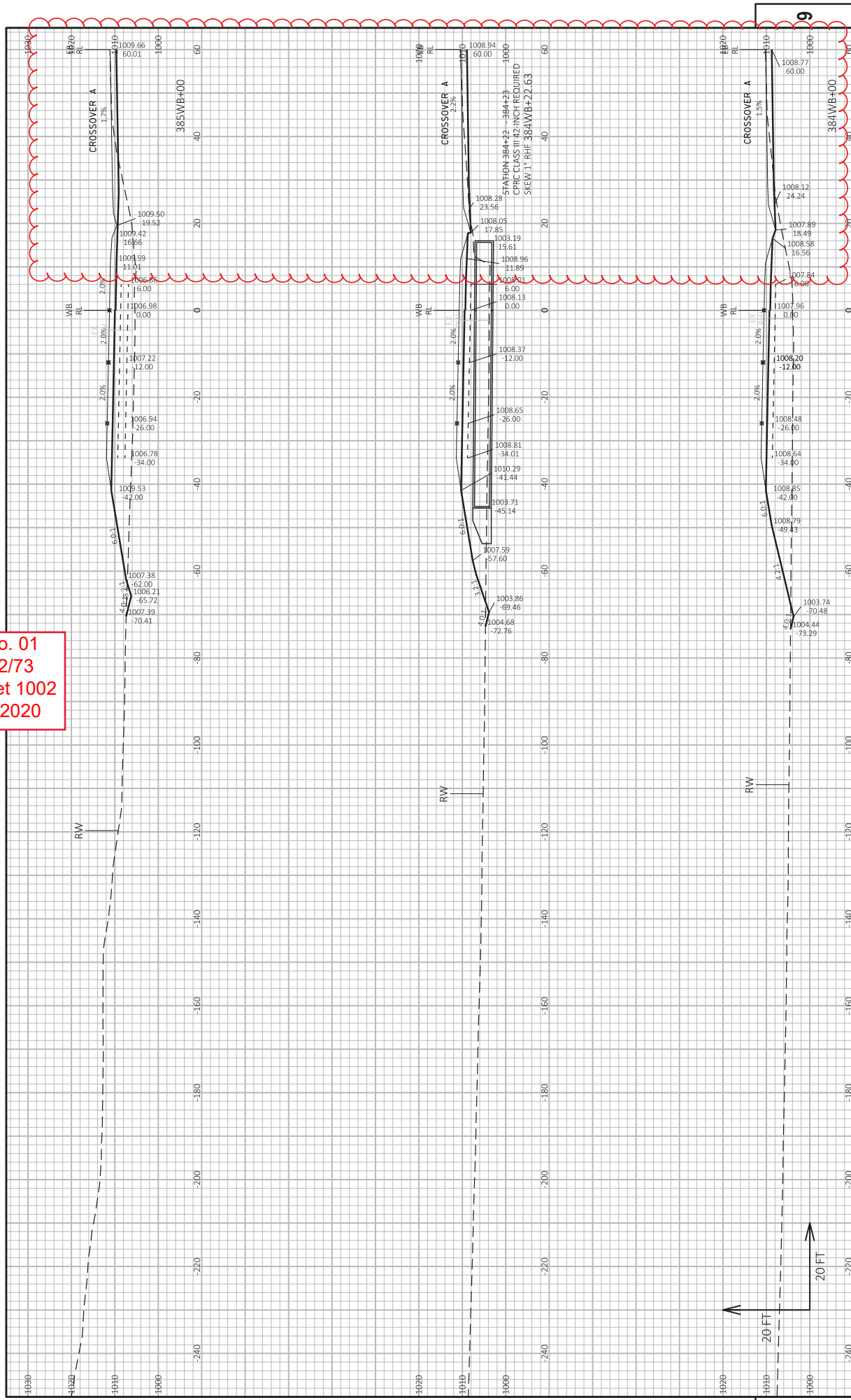
CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL AND EXCAVATION REQUIRED FOR SUBGRADE IMPROVEMENT
THIS DOES NOT SHOW UP IN CROSS SECTIONS
ACCOUNTS FOR SELECT BORROW BEING BACKFILLED ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND
WILL BE BACKFILLED WITH SELECT BORROW TO ONE (1) FOOT ABOVE NATURAL GROUND

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 1001
 February 28, 2020



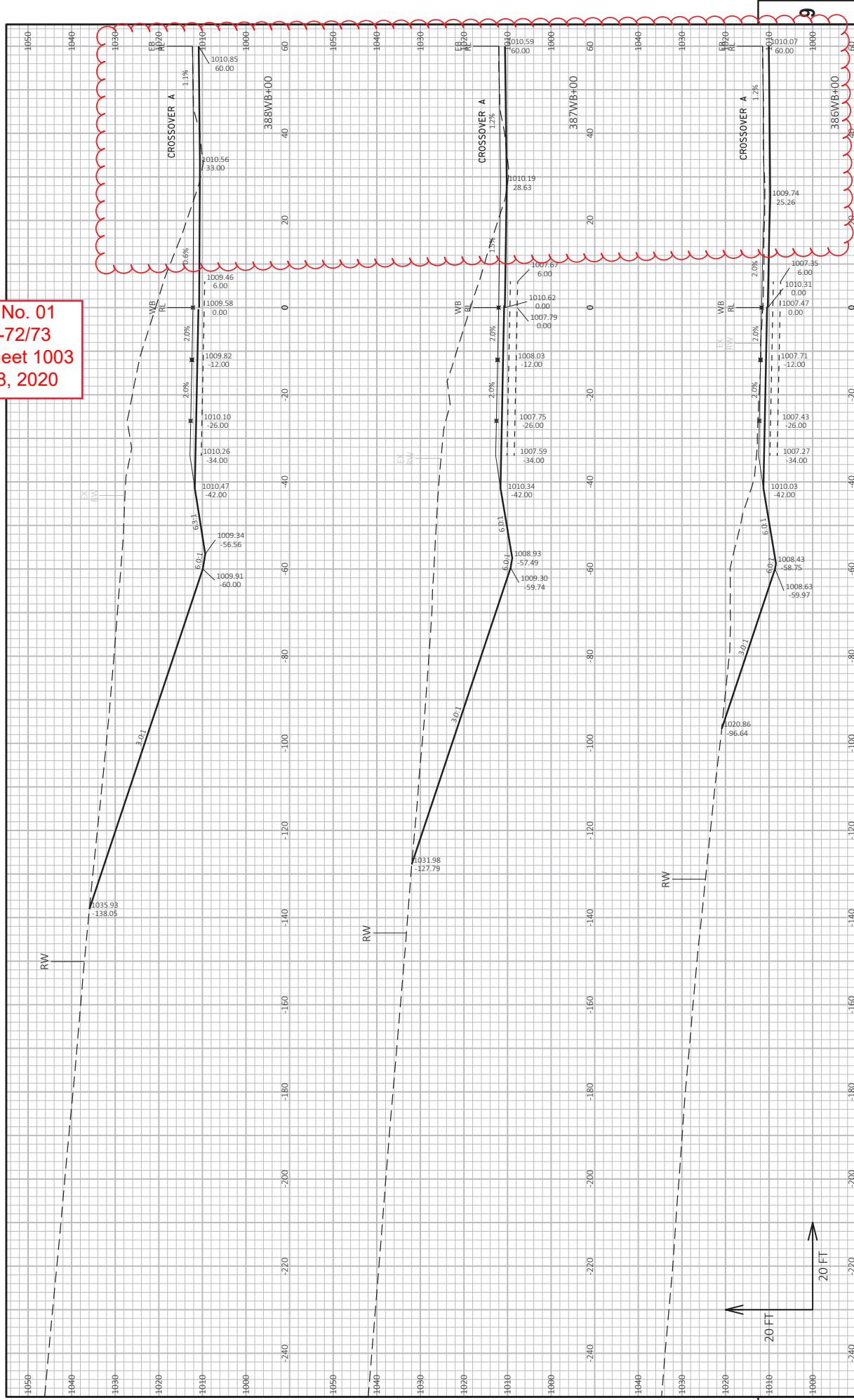
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 COUNTY: FOND DU LAC
 HWY: STH 23
 CROSS SECTIONS: STH 23-WESTBOUND (WB)
 SHEET: 1001
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 PLOT BY: VOGEL, KURT MICHAEL
 PLOT NAME: STH 23-WESTBOUND (WB)
 PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.
 WISDOT/CADDIS SHEET 49

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 1002
 February 28, 2020



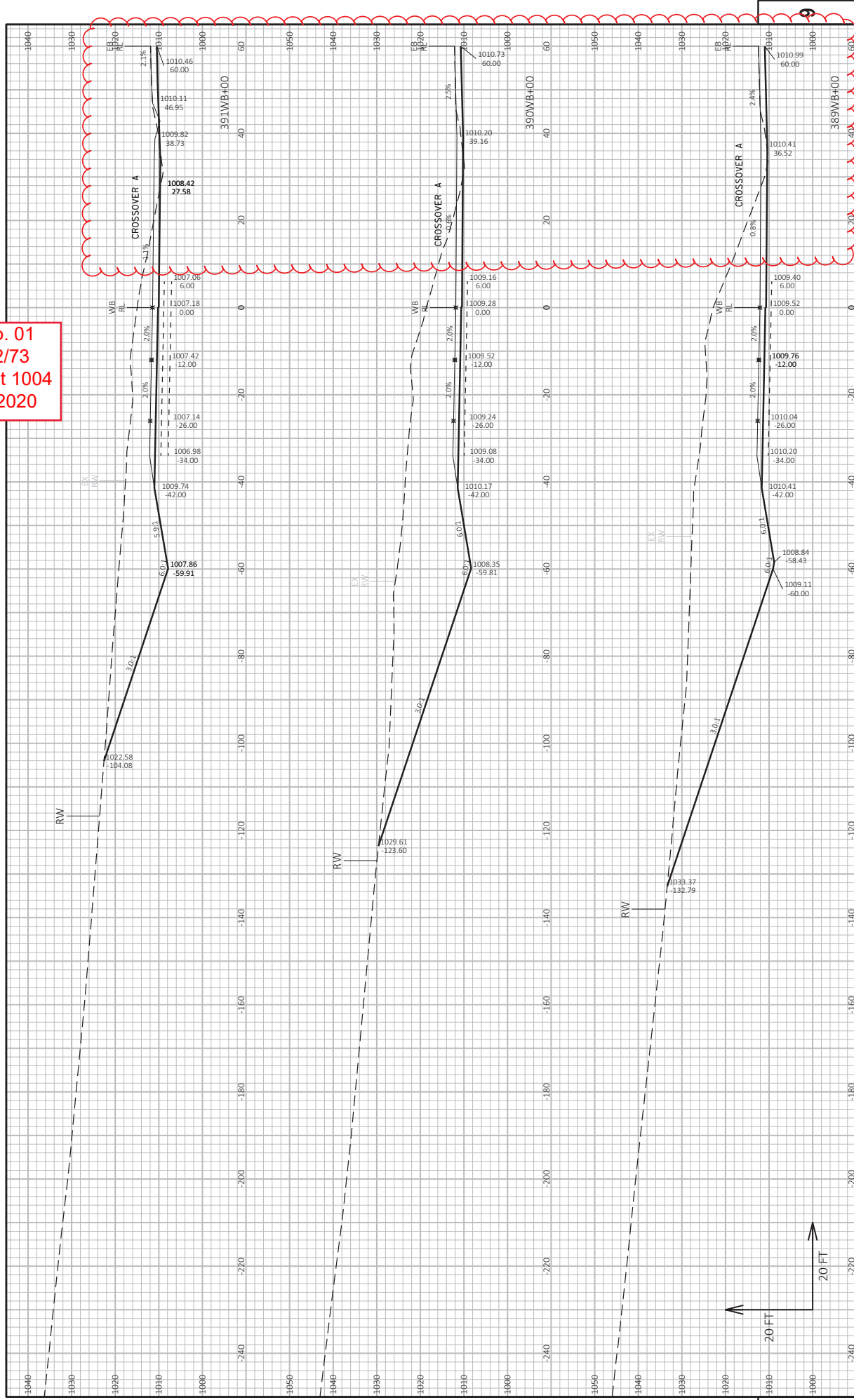
PROJECT NO: 1440-15-72/73
 COUNTY: FOND DU LAC
 HWY: STH 23
 CROSS SECTIONS: STH 23 WESTBOUND (WB)
 SHEET 1002
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 PLOT NAME: STH 23 WESTBOUND (WB)
 PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.
 WISDOT/CADD/SHEET 49

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 1003
 February 28, 2020



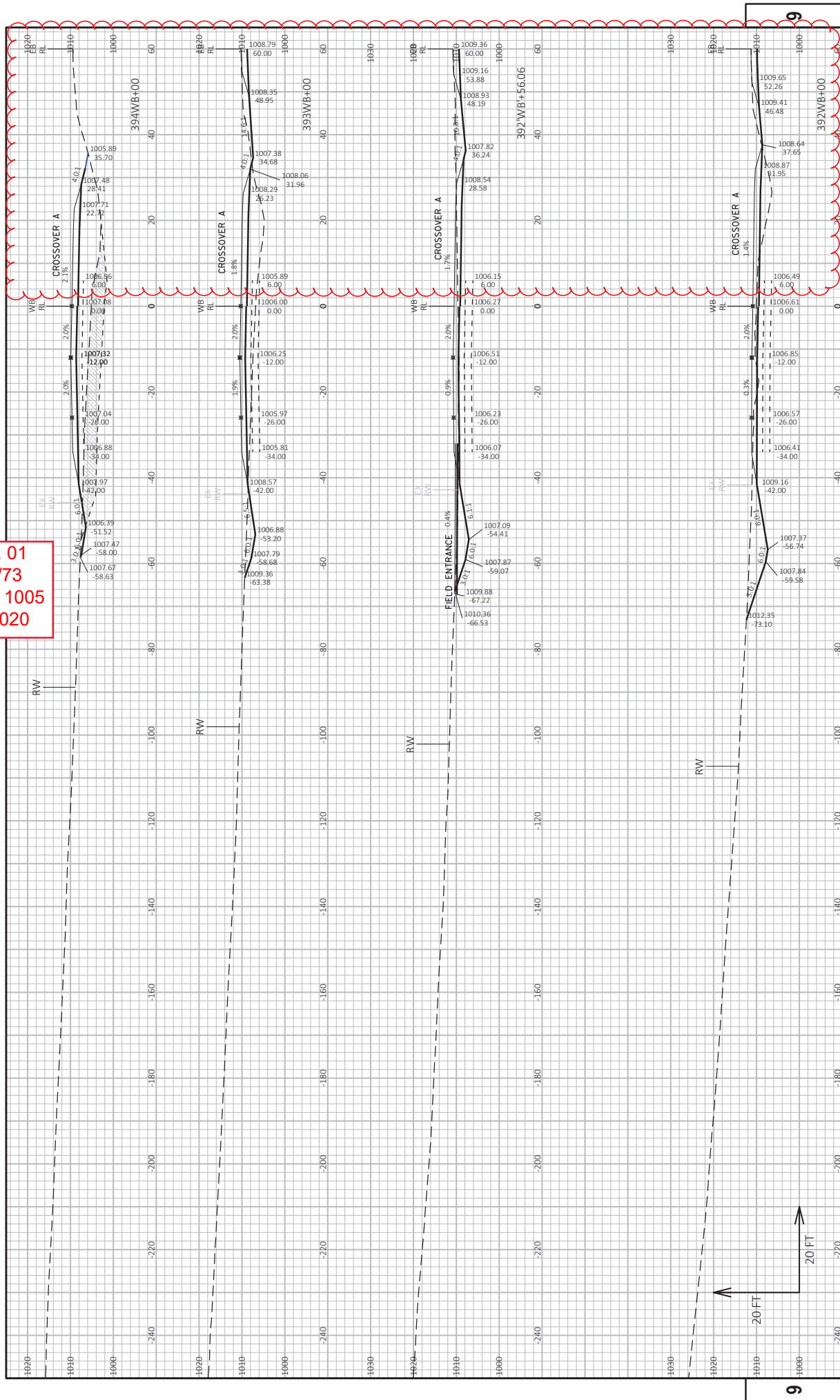
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 COUNTY: FOND DU LAC
 CROSS SECTIONS: STH 23 WESTBOUND (WB)
 SHEET 1003
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 PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.
 WISDOT/CADDS SHEET 49

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 1004
 February 28, 2020



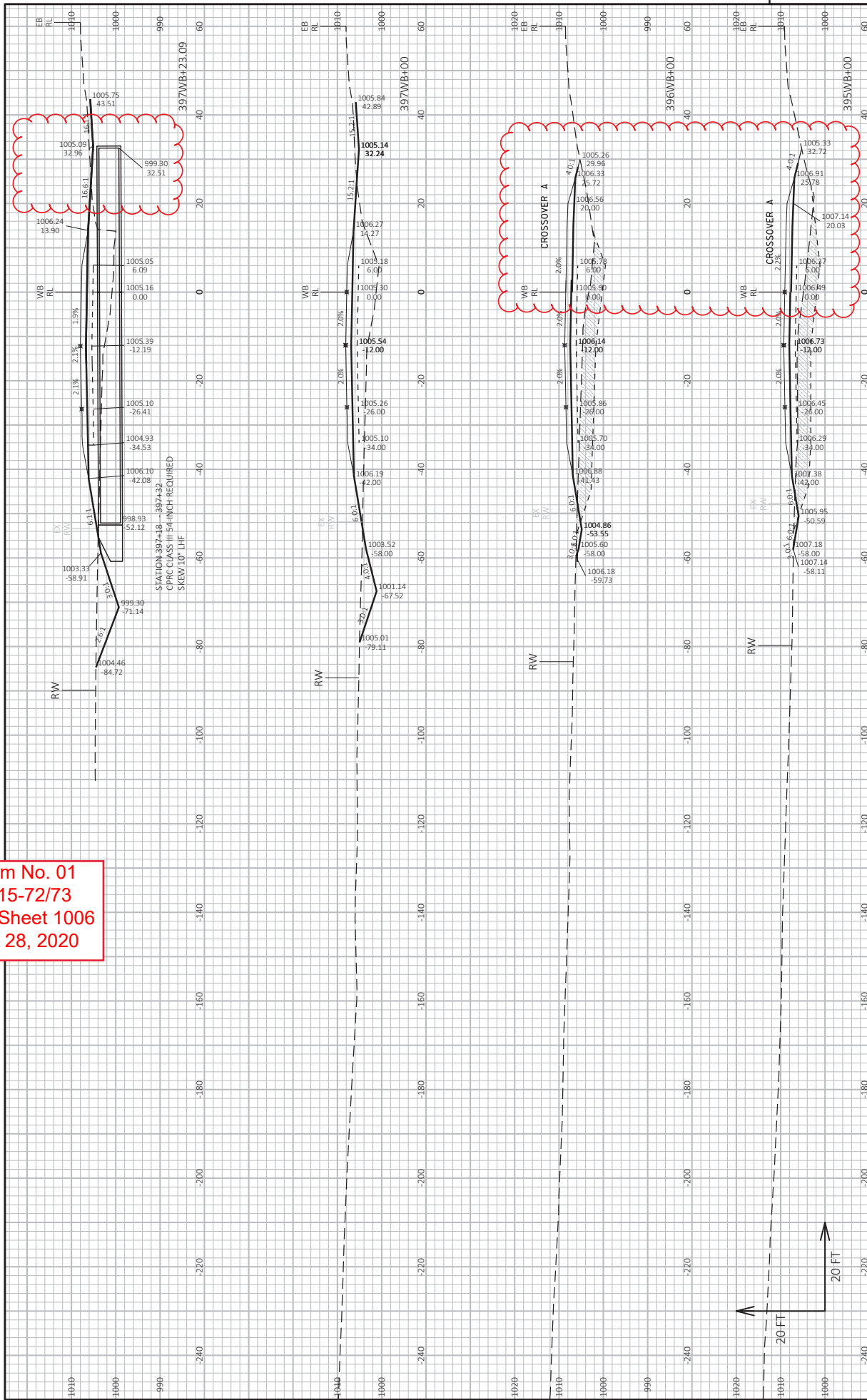
PROJECT NO: 1440-15-72/73
 COUNTY: FOND DU LAC
 HWY: STH 23
 CROSS SECTIONS: STH 23 - WESTBOUND (WB)
 SHEET 1004
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 PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.
 WISDOT/CADDS SHEET 49

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 1005
 February 28, 2020

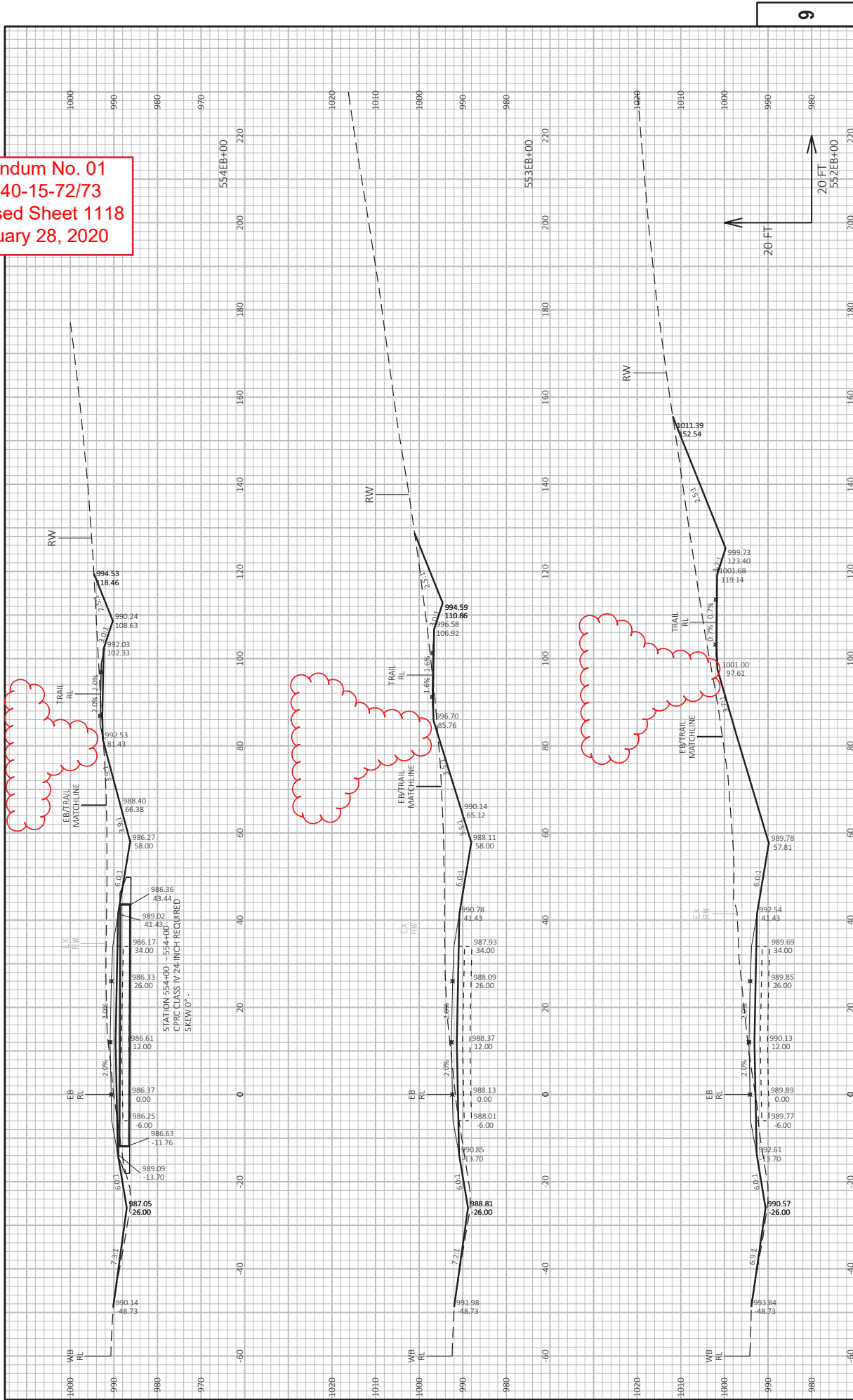


PROJECT NO: 1440-15-72/73
 COUNTY: FOND DU LAC
 HWY: STH 23
 CROSS SECTIONS: STH 23 - WESTBOUND (WB)
 SHEET 1005
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 PLOT NAME:
 PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.
 WISDOT/CARDS SHEET 49

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 1006
 February 28, 2020

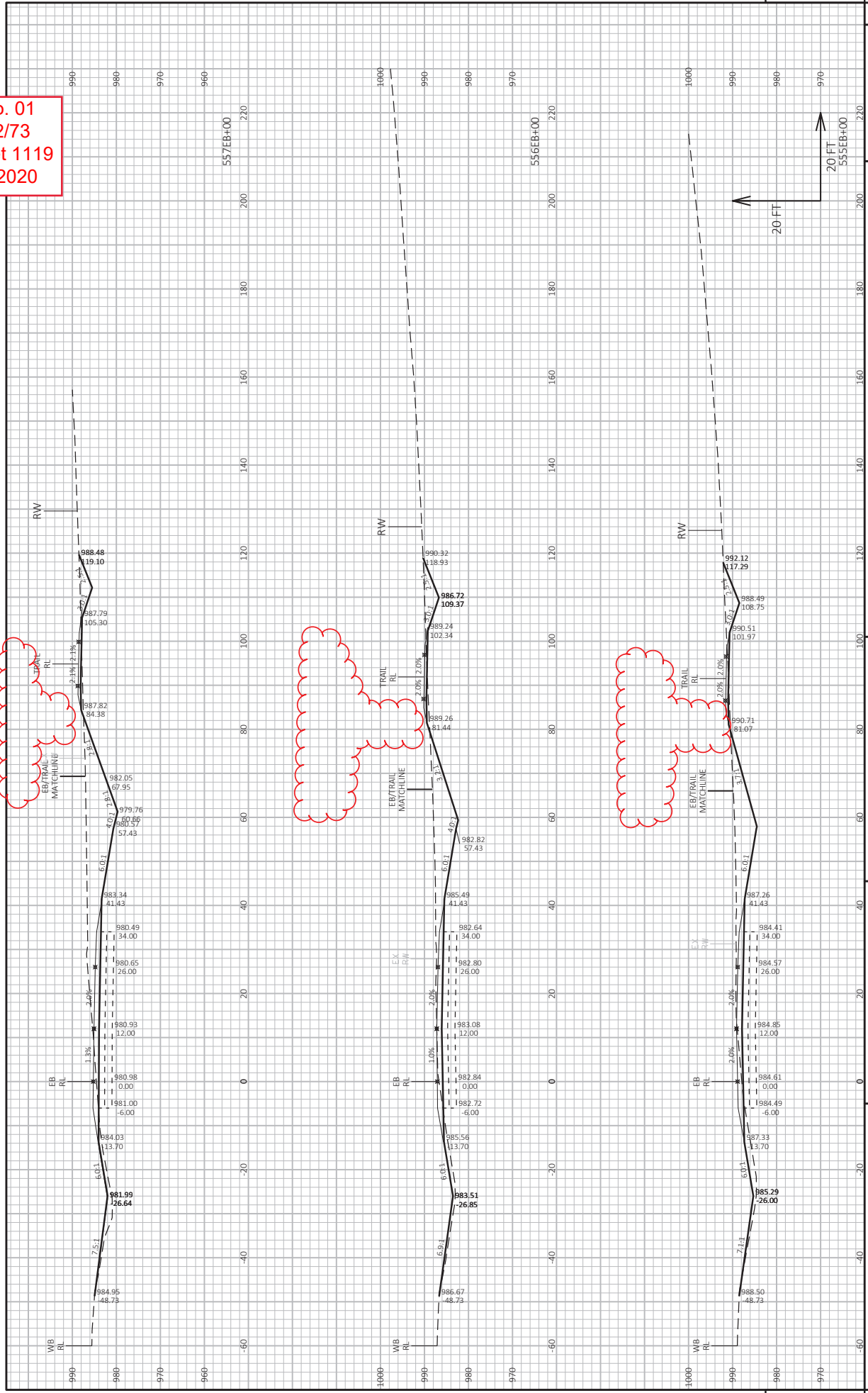


Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 1118
 February 28, 2020



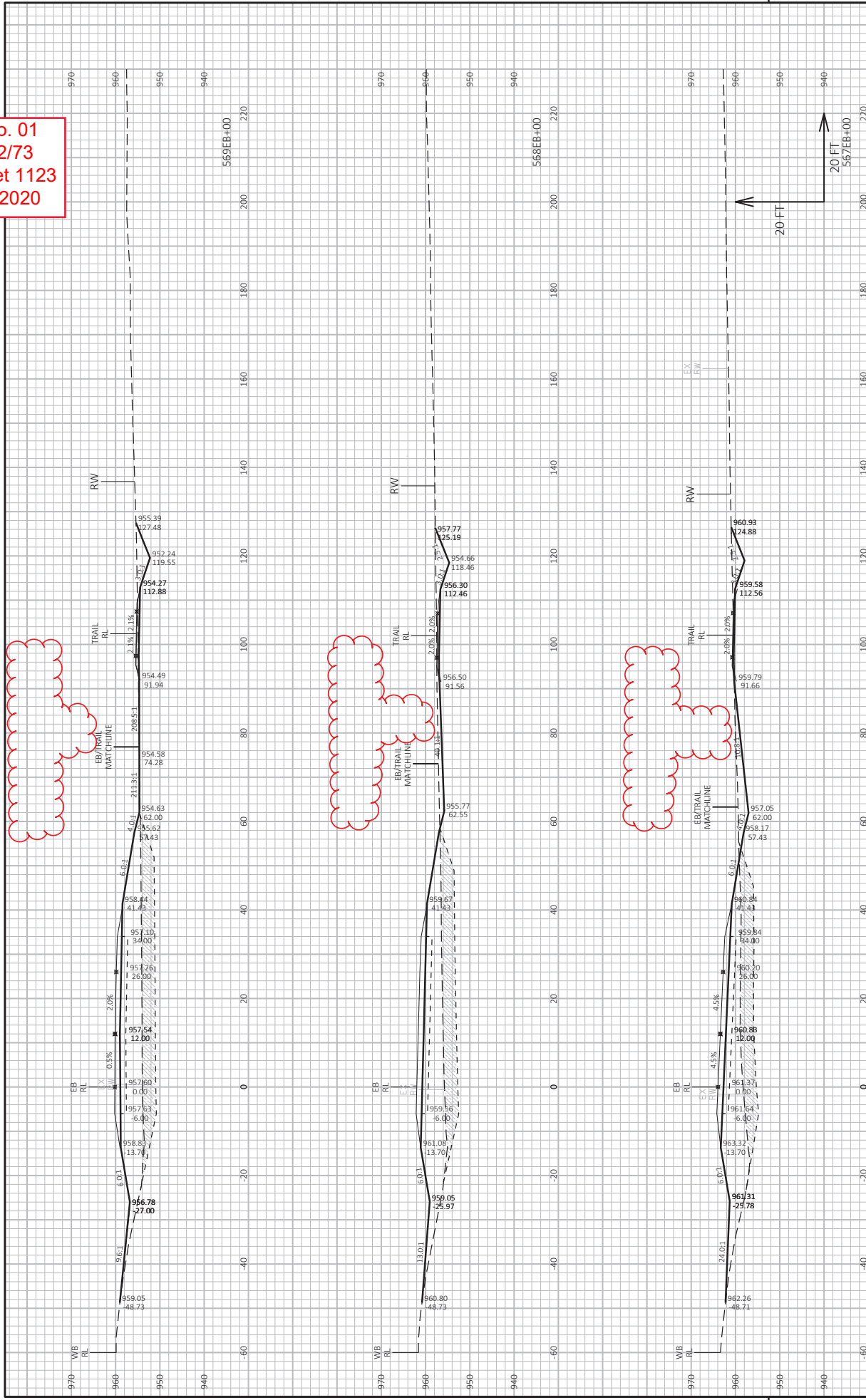
PROJECT NO: 1440-15-72/73
 COUNTY: FOND DU LAC
 HWY: STH 23
 CROSS SECTIONS: STH 23-EASTBOUND (EB)
 SHEET 1118
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 PLOT NAME: STH 23-EASTBOUND (EB)
 PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.
 WISDOT/CADD/SHEET 49

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 1119
 February 28, 2020

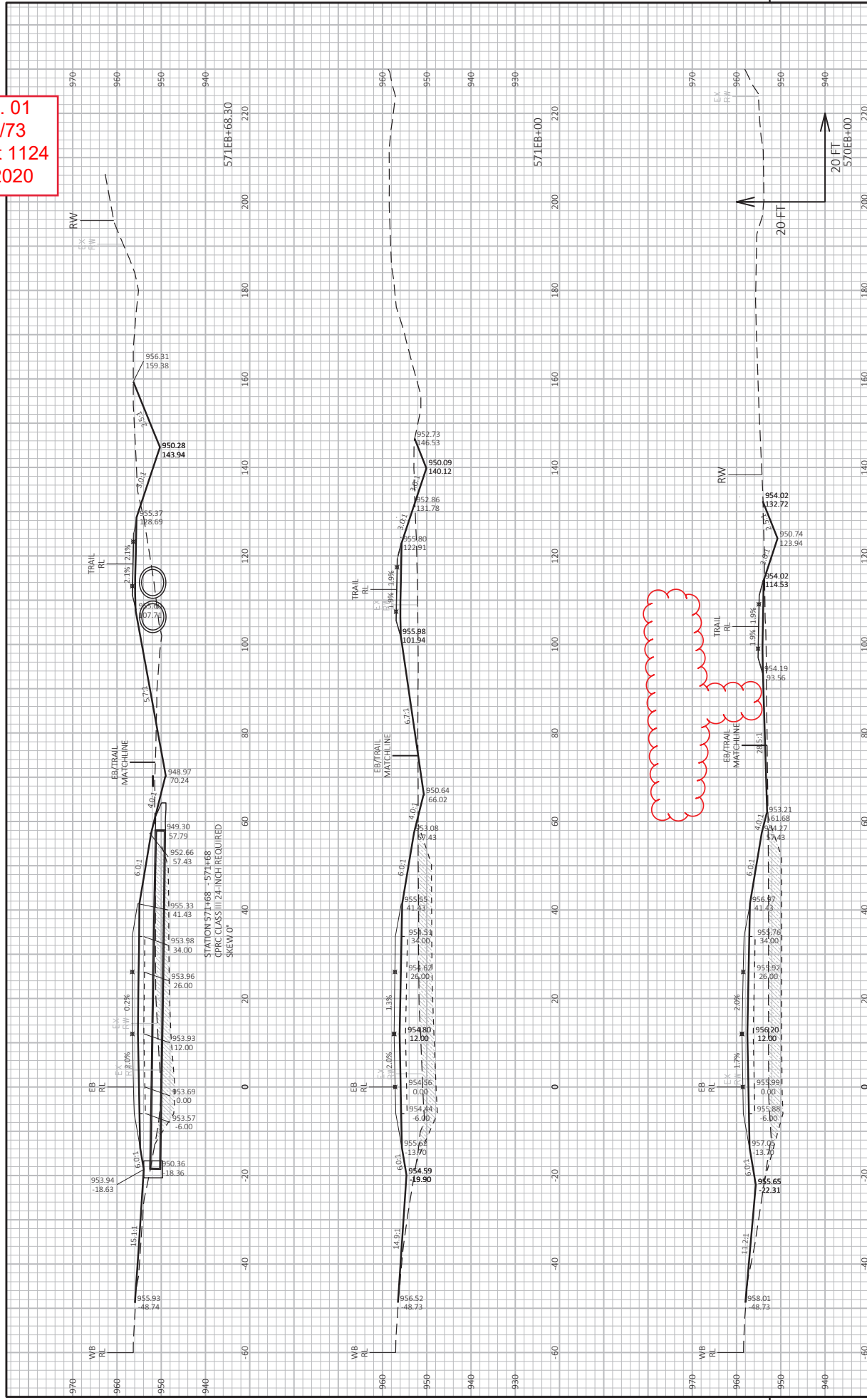


PROJECT NO: 1440-15-72/73
 COUNTY: FOND DU LAC
 HWY: STH 23
 CROSS SECTIONS: STH 23-EASTBOUND (EB)
 SHEET 1119
 FILE NAME: N:\PDS\320\144015015\SPANS\CROSSSECTIONS\14401573\14401573_EB_P.DWG
 LAYOUT NAME: 14401573-602119-85
 PLOT DATE: 2/19/2024 4:12 PM
 PLOT BY: VOGEL, KURT MICHAEL
 PLOT NAME: STH 23-EASTBOUND (EB)
 PLOT SCALE: 1 IN=20 FT HORZ. / 1 IN=20 FT VERT.
 WISDOT/CADDS SHEET 49

Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 1123
 February 28, 2020



Addendum No. 01
 ID 1440-15-72/73
 Revised Sheet 1124
 February 28, 2020



PROJECT NO: 1440-15-72/73 HWY: STH 23
 COUNTY: FOND DU LAC CROSS SECTIONS: STH 23-EASTBOUND (EB)
 SHEET 1124
 FILE NAME: N:\PDS\320\144015015\SHETS\PLAN\CROSSSECTIONS\14401573\14401573_EB_PD.DWG
 LAYOUT NAME: 14401573-690212-85
 PLOT DATE: 2/20/2020 8:24 AM
 PLOT BY: VOGEL, KURT MICHAEL
 PLOT NAME: WISDOT\CAD\SS\14401573-690212-85



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

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	108.4300 RBC Progress Schedule	1.000 EACH	_____.	_____.
0004	201.0105 Clearing	240.000 STA	_____.	_____.
0008	201.0205 Grubbing	240.000 STA	_____.	_____.
0012	203.0100 Removing Small Pipe Culverts	108.000 EACH	_____.	_____.
0014	203.0200 Removing Old Structure (station) 01. Station 573+00	LS	LUMP SUM	_____.
0016	203.0200 Removing Old Structure (station) 02. Station 467+70	LS	LUMP SUM	_____.
0018	203.0200 Removing Old Structure (station) 03. Station 588+40	LS	LUMP SUM	_____.
0020	204.0100 Removing Pavement	3,164.000 SY	_____.	_____.
0022	204.0110 Removing Asphaltic Surface	482.000 SY	_____.	_____.
0024	204.0115 Removing Asphaltic Surface Butt Joints	2,167.000 SY	_____.	_____.
0026	204.0120 Removing Asphaltic Surface Milling	16,252.000 SY	_____.	_____.
0028	204.0150 Removing Curb & Gutter	1,791.000 LF	_____.	_____.
0030	204.0165 Removing Guardrail	742.000 LF	_____.	_____.
0032	204.0170 Removing Fence	1,990.000 LF	_____.	_____.
0034	204.0180 Removing Delineators and Markers	66.000 EACH	_____.	_____.
0036	204.0190 Removing Surface Drains	2.000 EACH	_____.	_____.



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Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

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Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0038	204.0225 Removing Septic Tanks	1.000 EACH	_____.	_____.
0040	204.0230 Removing Building (station) 01. Station 731+25	LS	LUMP SUM	_____.
0042	204.0230 Removing Building (station) 02. Station 389+25	LS	LUMP SUM	_____.
0044	204.0235 Removing Buildings (parcel) 01. Parcel 152	LS	LUMP SUM	_____.
0046	204.0240 Site Clearance (parcel) 01. Parcel 152	LS	LUMP SUM	_____.
0048	204.0240 Site Clearance (parcel) 02. Parcel 114	LS	LUMP SUM	_____.
0050	204.9060.S Removing (item description) 01. Height Modernization Geodetic Survey Monument	1.000 EACH	_____.	_____.
0052	205.0100 Excavation Common	720,212.000 CY	_____.	_____.
0054	205.0300 Excavation Stone Piles and Stone Fences	25.000 CY	_____.	_____.
0056	205.0400 Excavation Marsh	30,346.000 CY	_____.	_____.
0058	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	150.000 TON	_____.	_____.
0060	206.1000 Excavation for Structures Bridges (structure) 01. B-20-0205	LS	LUMP SUM	_____.
0062	206.1000 Excavation for Structures Bridges (structure) 02. B-20-0215	LS	LUMP SUM	_____.
0064	206.1000 Excavation for Structures Bridges (structure) 03. B-20-0218	LS	LUMP SUM	_____.



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Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0066	208.1100 Select Borrow	86,650.000 CY	_____.	_____.
0068	210.1100 Backfill Structure Type A	1,512.000 CY	_____.	_____.
0070	213.0100 Finishing Roadway (project) 01. 1440-15-72	1.000 EACH	_____.	_____.
0072	213.0100 Finishing Roadway (project) 02. 1440-15-73	1.000 EACH	_____.	_____.
0074	214.0100 Obliterating Old Road	8.000 STA	_____.	_____.
0076	305.0110 Base Aggregate Dense 3/4-Inch	26,217.000 TON	_____.	_____.
0078	305.0120 Base Aggregate Dense 1 1/4-Inch	281,606.000 TON	_____.	_____.
0080	312.0110 Select Crushed Material	266,848.000 TON	_____.	_____.
0082	405.0100 Coloring Concrete WisDOT Red	240.000 CY	_____.	_____.
0084	415.0090 Concrete Pavement 9-Inch	141,097.000 SY	_____.	_____.
0086	415.0210 Concrete Pavement Gaps	25.000 EACH	_____.	_____.
0088	415.5110.S Concrete Pavement Joint Layout	1.000 LS	_____.	_____.
0090	416.0512 Concrete Truck Apron 12-Inch	700.000 SY	_____.	_____.
0092	416.1110 Concrete Shoulder Rumble Strips	41,567.000 LF	_____.	_____.
0094	455.0605 Tack Coat	9,896.000 GAL	_____.	_____.
0096	460.2000 Incentive Density HMA Pavement	24,310.000 DOL	1.00000	24,310.00



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0098	460.5223 HMA Pavement 3 LT 58-28 S	11,806.000 TON	_____.	_____.
0100	460.5224 HMA Pavement 4 LT 58-28 S	10,946.000 TON	_____.	_____.
0102	460.5424 HMA Pavement 4 LT 58-28 H	5,582.000 TON	_____.	_____.
0104	460.6223 HMA Pavement 3 MT 58-28 S	9,593.000 TON	_____.	_____.
0106	460.6224 HMA Pavement 4 MT 58-28 S	5,402.000 TON	_____.	_____.
0108	465.0105 Asphaltic Surface	7,203.000 TON	_____.	_____.
0110	465.0120 Asphaltic Surface Driveways and Field Entrances	297.000 TON	_____.	_____.
0112	465.0125 Asphaltic Surface Temporary	2,217.000 TON	_____.	_____.
0114	465.0315 Asphaltic Flumes	593.000 SY	_____.	_____.
0116	465.0400 Asphaltic Shoulder Rumble Strips	70,800.000 LF	_____.	_____.
0118	502.0100 Concrete Masonry Bridges	1,553.000 CY	_____.	_____.
0120	502.3200 Protective Surface Treatment	2,333.000 SY	_____.	_____.
0122	502.3210 Pigmented Surface Sealer	325.000 SY	_____.	_____.
0124	503.0137 Prestressed Girder Type I 36W-Inch	325.000 LF	_____.	_____.
0126	503.0155 Prestressed Girder Type I 54W-Inch	1,846.000 LF	_____.	_____.
0128	504.0900 Concrete Masonry Endwalls	53.000 CY	_____.	_____.



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Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0130	505.0400 Bar Steel Reinforcement HS Structures	28,570.000 LB	_____.	_____.
0132	505.0600 Bar Steel Reinforcement HS Coated Structures	224,280.000 LB	_____.	_____.
0134	505.0800.S Bar Steel Reinforcement HS Stainless Structures	1,600.000 LB	_____.	_____.
0136	506.2605 Bearing Pads Elastomeric Non-Laminated	42.000 EACH	_____.	_____.
0138	506.4000 Steel Diaphragms (structure) 01. B-20-0205	4.000 EACH	_____.	_____.
0140	506.4000 Steel Diaphragms (structure) 02. B-20-0218	28.000 EACH	_____.	_____.
0142	509.5100.S Polymer Overlay	505.000 SY	_____.	_____.
0144	511.1100 Temporary Shoring	3,200.000 SF	_____.	_____.
0146	513.7016 Railing Steel Type C3 01. B-20-0215	142.000 LF	_____.	_____.
0148	516.0500 Rubberized Membrane Waterproofing	80.000 SY	_____.	_____.
0150	520.1012 Apron Endwalls for Culvert Pipe 12-Inch	6.000 EACH	_____.	_____.
0152	520.1018 Apron Endwalls for Culvert Pipe 18-Inch	9.000 EACH	_____.	_____.
0154	520.1024 Apron Endwalls for Culvert Pipe 24-Inch	126.000 EACH	_____.	_____.
0156	520.1030 Apron Endwalls for Culvert Pipe 30-Inch	14.000 EACH	_____.	_____.
0158	520.1036 Apron Endwalls for Culvert Pipe 36-Inch	16.000 EACH	_____.	_____.



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Contract Items

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Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0160	520.1042 Apron Endwalls for Culvert Pipe 42-Inch	10.000 EACH	_____.	_____.
0162	520.1054 Apron Endwalls for Culvert Pipe 54-Inch	14.000 EACH	_____.	_____.
0164	520.2024 Culvert Pipe Temporary 24-Inch	1,604.000 LF	_____.	_____.
0166	520.3142 Culvert Pipe Class III 42-Inch	71.000 LF	_____.	_____.
0168	520.3154 Culvert Pipe Class III 54-Inch	173.000 LF	_____.	_____.
0170	520.3318 Culvert Pipe Class III-A 18-Inch	576.000 LF	_____.	_____.
0172	520.3324 Culvert Pipe Class III-A 24-Inch	3,218.000 LF	_____.	_____.
0174	520.3330 Culvert Pipe Class III-A 30-Inch	433.000 LF	_____.	_____.
0176	520.3336 Culvert Pipe Class III-A 36-Inch	398.000 LF	_____.	_____.
0178	520.4142 Culvert Pipe Class IV 42-Inch	208.000 LF	_____.	_____.
0180	520.4154 Culvert Pipe Class IV 54-Inch	87.000 LF	_____.	_____.
0182	520.4160 Culvert Pipe Class IV 60-Inch	142.000 LF	_____.	_____.
0184	520.8000 Concrete Collars for Pipe	19.000 EACH	_____.	_____.
0186	521.1735 Apron Endwalls for Pipe Arch Sloped Side Drains Steel 35x24-Inch 6 to 1	2.000 EACH	_____.	_____.
0188	521.2005.S Surface Drain Pipe Corrugated Metal Slotted (inch) 01. 18-Inch	835.000 LF	_____.	_____.
0190	521.3735 Pipe Arch Corrugated Steel 35x24-Inch	38.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0192	522.0112 Culvert Pipe Reinforced Concrete Class III 12-Inch	99.000 LF	_____.	_____.
0194	522.0118 Culvert Pipe Reinforced Concrete Class III 18-Inch	142.000 LF	_____.	_____.
0196	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	2,898.000 LF	_____.	_____.
0198	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch	943.000 LF	_____.	_____.
0200	522.0136 Culvert Pipe Reinforced Concrete Class III 36-Inch	628.000 LF	_____.	_____.
0202	522.0142 Culvert Pipe Reinforced Concrete Class III 42-Inch	149.000 LF	_____.	_____.
0204	522.0148 Culvert Pipe Reinforced Concrete Class III 48-Inch	200.000 LF	_____.	_____.
0206	522.0154 Culvert Pipe Reinforced Concrete Class III 54-Inch	906.000 LF	_____.	_____.
0208	522.0424 Culvert Pipe Reinforced Concrete Class IV 24-Inch	650.000 LF	_____.	_____.
0210	522.0430 Culvert Pipe Reinforced Concrete Class IV 30-Inch	282.000 LF	_____.	_____.
0212	522.0436 Culvert Pipe Reinforced Concrete Class IV 36-Inch	203.000 LF	_____.	_____.
0214	522.0460 Culvert Pipe Reinforced Concrete Class IV 60-Inch	382.000 LF	_____.	_____.
0216	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	8.000 EACH	_____.	_____.



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Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0218	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	36.000 EACH	_____.	_____.
0220	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	10.000 EACH	_____.	_____.
0222	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	6.000 EACH	_____.	_____.
0224	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	1.000 EACH	_____.	_____.
0226	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	2.000 EACH	_____.	_____.
0228	522.1054 Apron Endwalls for Culvert Pipe Reinforced Concrete 54-Inch	3.000 EACH	_____.	_____.
0230	522.2319 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	521.000 LF	_____.	_____.
0232	522.2324 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	190.000 LF	_____.	_____.
0234	522.2338 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	104.000 LF	_____.	_____.
0236	522.2419 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	63.000 LF	_____.	_____.
0238	522.2424 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	62.000 LF	_____.	_____.
0240	522.2619 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	17.000 EACH	_____.	_____.



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Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0242	522.2624 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	10.000 EACH	_____.	_____.
0244	522.2638 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 38x60-Inch	8.000 EACH	_____.	_____.
0246	524.0142 Culvert Pipe Salvaged 42-Inch	40.000 LF	_____.	_____.
0248	524.0154 Culvert Pipe Salvaged 54-Inch	24.000 LF	_____.	_____.
0250	524.0642 Apron Endwalls for Culvert Pipe Salvaged 42-Inch	2.000 EACH	_____.	_____.
0252	524.0654 Apron Endwalls for Culvert Pipe Salvaged 54-Inch	1.000 EACH	_____.	_____.
0254	550.1100 Piling Steel HP 10-Inch X 42 Lb	1,910.000 LF	_____.	_____.
0256	601.0405 Concrete Curb & Gutter 18-Inch Type A	430.000 LF	_____.	_____.
0258	601.0411 Concrete Curb & Gutter 30-Inch Type D	3,790.000 LF	_____.	_____.
0260	601.0413 Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	368.000 LF	_____.	_____.
0262	601.0553 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	2,860.000 LF	_____.	_____.
0264	601.0555 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	2,172.000 LF	_____.	_____.
0266	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	5,944.000 LF	_____.	_____.
0268	601.0580 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	600.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0270	601.0600 Concrete Curb Pedestrian	85.000 LF	_____.	_____.
0272	602.0405 Concrete Sidewalk 4-Inch	14,515.000 SF	_____.	_____.
0274	602.0505 Curb Ramp Detectable Warning Field Yellow	364.000 SF	_____.	_____.
0276	603.8000 Concrete Barrier Temporary Precast Delivered	700.000 LF	_____.	_____.
0278	603.8125 Concrete Barrier Temporary Precast Installed	700.000 LF	_____.	_____.
0280	604.0500 Slope Paving Crushed Aggregate	855.000 SY	_____.	_____.
0282	606.0100 Riprap Light	1,134.000 CY	_____.	_____.
0284	606.0200 Riprap Medium	2,046.000 CY	_____.	_____.
0286	606.0300 Riprap Heavy	327.000 CY	_____.	_____.
0288	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	1,142.000 LF	_____.	_____.
0290	611.0535 Manhole Covers Type J-Special	1.000 EACH	_____.	_____.
0294	611.0615 Inlet Covers Type F	18.000 EACH	_____.	_____.
0296	611.0624 Inlet Covers Type H	12.000 EACH	_____.	_____.
0298	611.0627 Inlet Covers Type HM	8.000 EACH	_____.	_____.
0300	611.0636 Inlet Covers Type HM-S	4.000 EACH	_____.	_____.
0302	611.0642 Inlet Covers Type MS	70.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0304	611.0652 Inlet Covers Type T	4.000 EACH	_____.	_____.
0306	611.2005 Manholes 5-FT Diameter	1.000 EACH	_____.	_____.
0308	611.2006 Manholes 6-FT Diameter	2.000 EACH	_____.	_____.
0310	611.3004 Inlets 4-FT Diameter	15.000 EACH	_____.	_____.
0312	611.3230 Inlets 2x3-FT	16.000 EACH	_____.	_____.
0314	611.3253 Inlets 2.5x3-FT	11.000 EACH	_____.	_____.
0316	611.3902 Inlets Median 2 Grate	33.000 EACH	_____.	_____.
0318	611.3904 Inlets Median 4 Grate	1.000 EACH	_____.	_____.
0320	612.0204 Pipe Underdrain Unperforated 4-Inch	1,473.000 LF	_____.	_____.
0322	612.0406 Pipe Underdrain Wrapped 6-Inch	536.000 LF	_____.	_____.
0324	612.0700 Drain Tile Exploration	100.000 LF	_____.	_____.
0326	612.0804 Apron Endwalls for Underdrain Reinforced Concrete 4-Inch	77.000 EACH	_____.	_____.
0328	614.0150 Anchor Assemblies for Steel Plate Beam Guard	8.000 EACH	_____.	_____.
0330	614.0200 Steel Thrie Beam Structure Approach	92.000 LF	_____.	_____.
0332	614.0220 Steel Thrie Beam Bullnose Terminal	1.000 EACH	_____.	_____.
0334	614.0305 Steel Plate Beam Guard Class A	780.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0336	614.0370 Steel Plate Beam Guard Energy Absorbing Terminal	4.000 EACH	_____.	_____.
0338	614.0905 Crash Cushions Temporary	4.000 EACH	_____.	_____.
0340	614.2300 MGS Guardrail 3	100.000 LF	_____.	_____.
0342	614.2620 MGS Guardrail Terminal Type 2	8.000 EACH	_____.	_____.
0344	616.0100 Fence Woven Wire (height) 01. 4-Ft	70,665.000 LF	_____.	_____.
0346	618.0100 Maintenance And Repair of Haul Roads (project) 01. 1440-15-72	1.000 EACH	_____.	_____.
0348	618.0100 Maintenance And Repair of Haul Roads (project) 02. 1440-15-73	1.000 EACH	_____.	_____.
0350	619.1000 Mobilization	1.000 EACH	_____.	_____.
0352	620.0300 Concrete Median Sloped Nose	319.000 SF	_____.	_____.
0354	623.0200 Dust Control Surface Treatment	45,420.000 SY	_____.	_____.
0356	624.0100 Water	4,938.000 MGAL	_____.	_____.
0358	625.0500 Salvaged Topsoil	998,676.000 SY	_____.	_____.
0360	627.0200 Mulching	852,790.000 SY	_____.	_____.
0362	628.1104 Erosion Bales	500.000 EACH	_____.	_____.
0364	628.1504 Silt Fence	34,558.000 LF	_____.	_____.
0366	628.1520 Silt Fence Maintenance	16,961.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0368	628.1905 Mobilizations Erosion Control	33.000 EACH	_____.	_____.
0370	628.1910 Mobilizations Emergency Erosion Control	19.000 EACH	_____.	_____.
0372	628.2004 Erosion Mat Class I Type B	209,427.000 SY	_____.	_____.
0374	628.2006 Erosion Mat Urban Class I Type A	67,600.000 SY	_____.	_____.
0376	628.2008 Erosion Mat Urban Class I Type B	4,290.000 SY	_____.	_____.
0378	628.2027 Erosion Mat Class II Type C	24,500.000 SY	_____.	_____.
0380	628.6510 Soil Stabilizer Type B	7.000 ACRE	_____.	_____.
0382	628.7005 Inlet Protection Type A	79.000 EACH	_____.	_____.
0384	628.7015 Inlet Protection Type C	30.000 EACH	_____.	_____.
0386	628.7020 Inlet Protection Type D	23.000 EACH	_____.	_____.
0388	628.7504 Temporary Ditch Checks	5,911.000 LF	_____.	_____.
0390	628.7515.S Stone or Rock Ditch Checks	19.000 CY	_____.	_____.
0392	628.7555 Culvert Pipe Checks	786.000 EACH	_____.	_____.
0394	628.7560 Tracking Pads	15.000 EACH	_____.	_____.
0396	628.7570 Rock Bags	235.000 EACH	_____.	_____.
0398	629.0210 Fertilizer Type B	696.000 CWT	_____.	_____.
0400	630.0120 Seeding Mixture No. 20	16,298.000 LB	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0402	630.0130 Seeding Mixture No. 30	7,105.000 LB	_____.	_____.
0404	630.0140 Seeding Mixture No. 40	82.000 LB	_____.	_____.
0406	630.0200 Seeding Temporary	25,333.000 LB	_____.	_____.
0408	630.0300 Seeding Borrow Pit	1,200.000 LB	_____.	_____.
0410	630.0500 Seed Water	2,672.000 MGAL	_____.	_____.
0412	633.0100 Delineator Posts Steel	182.000 EACH	_____.	_____.
0414	633.0500 Delineator Reflectors	182.000 EACH	_____.	_____.
0416	633.1100 Delineators Temporary	134.000 EACH	_____.	_____.
0418	633.5200 Markers Culvert End	189.000 EACH	_____.	_____.
0420	634.0614 Posts Wood 4x6-Inch X 14-FT	217.000 EACH	_____.	_____.
0422	634.0616 Posts Wood 4x6-Inch X 16-FT	157.000 EACH	_____.	_____.
0424	634.0618 Posts Wood 4x6-Inch X 18-FT	16.000 EACH	_____.	_____.
0426	634.0620 Posts Wood 4x6-Inch X 20-FT	6.000 EACH	_____.	_____.
0428	635.0200 Sign Supports Structural Steel HS	5,252.000 LB	_____.	_____.
0430	636.0100 Sign Supports Concrete Masonry	8.800 CY	_____.	_____.
0432	636.0500 Sign Supports Steel Reinforcement	1,288.000 LB	_____.	_____.
0434	637.1220 Signs Type I Reflective SH	550.000 SF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0436	637.2210 Signs Type II Reflective H	3,961.870 SF	_____.	_____.
0438	637.2220 Signs Type II Reflective SH	20.250 SF	_____.	_____.
0440	637.2230 Signs Type II Reflective F	273.750 SF	_____.	_____.
0442	638.2602 Removing Signs Type II	107.000 EACH	_____.	_____.
0444	638.3000 Removing Small Sign Supports	113.000 EACH	_____.	_____.
0446	642.5201 Field Office Type C	1.000 EACH	_____.	_____.
0448	643.0300 Traffic Control Drums	504,026.000 DAY	_____.	_____.
0450	643.0420 Traffic Control Barricades Type III	119,382.000 DAY	_____.	_____.
0452	643.0705 Traffic Control Warning Lights Type A	234,664.000 DAY	_____.	_____.
0454	643.0715 Traffic Control Warning Lights Type C	10,235.000 DAY	_____.	_____.
0456	643.0800 Traffic Control Arrow Boards	94.000 DAY	_____.	_____.
0458	643.0900 Traffic Control Signs	187,905.000 DAY	_____.	_____.
0460	643.0920 Traffic Control Covering Signs Type II	8.000 EACH	_____.	_____.
0462	643.1050 Traffic Control Signs PCMS	259.000 DAY	_____.	_____.
0464	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0466	645.0111 Geotextile Type DF Schedule A	258.000 SY	_____.	_____.
0468	645.0120 Geotextile Type HR	5,512.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0470	645.0130 Geotextile Type R	6,918.000 SY	_____.	_____.
0472	645.0140 Geotextile Type SAS	90.000 SY	_____.	_____.
0474	646.1020 Marking Line Epoxy 4-Inch	72,698.000 LF	_____.	_____.
0476	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	103,504.000 LF	_____.	_____.
0478	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	12,787.000 LF	_____.	_____.
0480	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	16,590.000 LF	_____.	_____.
0482	646.6220 Marking Yield Line Epoxy 18-Inch	4.000 EACH	_____.	_____.
0484	646.6320 Marking Dotted Extension Epoxy 18-Inch	115.000 LF	_____.	_____.
0486	646.7120 Marking Diagonal Epoxy 12-Inch	1,213.000 LF	_____.	_____.
0488	646.7220 Marking Chevron Epoxy 24-Inch	1,496.000 LF	_____.	_____.
0490	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	305.000 LF	_____.	_____.
0492	646.8120 Marking Curb Epoxy	480.000 LF	_____.	_____.
0494	646.8220 Marking Island Nose Epoxy	10.000 EACH	_____.	_____.
0496	646.8320 Marking Parking Stall Epoxy	1,512.000 LF	_____.	_____.
0498	649.0105 Temporary Marking Line Paint 4-Inch	92,195.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0500	649.0150 Temporary Marking Line Removable Tape 4-Inch	11,674.000 LF	_____.	_____.
0502	649.0760 Temporary Marking Raised Pavement Marker Type I	357.000 EACH	_____.	_____.
0504	650.4000 Construction Staking Storm Sewer	36.000 EACH	_____.	_____.
0506	650.4500 Construction Staking Subgrade	85,947.000 LF	_____.	_____.
0508	650.5000 Construction Staking Base	85,947.000 LF	_____.	_____.
0510	650.5500 Construction Staking Curb Gutter and Curb & Gutter	16,231.000 LF	_____.	_____.
0512	650.6000 Construction Staking Pipe Culverts	113.000 EACH	_____.	_____.
0514	650.6500 Construction Staking Structure Layout (structure) 01. B-20-0205	LS	LUMP SUM	_____.
0516	650.6500 Construction Staking Structure Layout (structure) 02. B-20-0215	LS	LUMP SUM	_____.
0518	650.6500 Construction Staking Structure Layout (structure) 03. B-20-0218	LS	LUMP SUM	_____.
0520	650.7000 Construction Staking Concrete Pavement	43,772.000 LF	_____.	_____.
0522	650.8000 Construction Staking Resurfacing Reference	8,264.000 LF	_____.	_____.
0524	650.9910 Construction Staking Supplemental Control (project) 01. 1440-15-72	LS	LUMP SUM	_____.
0526	650.9910 Construction Staking Supplemental Control (project) 02. 1440-15-73	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0528	650.9920 Construction Staking Slope Stakes	85,947.000 LF	_____.	_____.
0530	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	6,840.000 LF	_____.	_____.
0532	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	590.000 LF	_____.	_____.
0534	652.0615 Conduit Special 3-Inch	1,180.000 LF	_____.	_____.
0536	653.0164 Pull Boxes Non-Conductive 24x42-Inch	53.000 EACH	_____.	_____.
0538	654.0105 Concrete Bases Type 5	31.000 EACH	_____.	_____.
0540	654.0220 Concrete Control Cabinet Bases Type 10	5.000 EACH	_____.	_____.
0542	655.0610 Electrical Wire Lighting 12 AWG	5,250.000 LF	_____.	_____.
0544	655.0615 Electrical Wire Lighting 10 AWG	33,310.000 LF	_____.	_____.
0546	656.0200 Electrical Service Meter Breaker Pedestal (location) 01. Loehr Rd & STH 23	LS	LUMP SUM	_____.
0548	656.0200 Electrical Service Meter Breaker Pedestal (location) 02. Seven Hills Road & STH 23	LS	LUMP SUM	_____.
0550	656.0200 Electrical Service Meter Breaker Pedestal (location) 03. Park & Ride	LS	LUMP SUM	_____.
0552	656.0200 Electrical Service Meter Breaker Pedestal (location) 04. CTH G & EB STH 23	LS	LUMP SUM	_____.
0554	656.0200 Electrical Service Meter Breaker Pedestal (location) 05. CTH G & WB STH 23	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0556	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	31.000 EACH	_____.	_____.
0558	657.0322 Poles Type 5-Aluminum	31.000 EACH	_____.	_____.
0560	657.0710 Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	35.000 EACH	_____.	_____.
0562	659.1115 Luminaires Utility LED A	35.000 EACH	_____.	_____.
0564	690.0150 Sawing Asphalt	10,000.000 LF	_____.	_____.
0566	715.0415 Incentive Strength Concrete Pavement	42,300.000 DOL	1.00000	42,300.00
0568	715.0502 Incentive Strength Concrete Structures	9,318.000 DOL	1.00000	9,318.00
0570	715.0710 Optimized Aggregate Gradation Incentive	130,160.000 DOL	1.00000	130,160.00
0572	740.0440 Incentive IRI Ride	33,160.000 DOL	1.00000	33,160.00
0574	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,100.000 HRS	5.00000	10,500.00
0576	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	5,760.000 HRS	5.00000	28,800.00
0578	SPV.0005 Special 01. Select Clearing And Grubbing	0.500 ACRE	_____.	_____.
0580	SPV.0005 Special 02. Preparation Of Upland Topsoil	8.200 ACRE	_____.	_____.
0582	SPV.0035 Special 01. Roadway Embankment	841,568.000 CY	_____.	_____.
0584	SPV.0035 Special 02. Foundation Backfill	697.000 CY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0586	SPV.0035 Special 03. Excavation Common Mitigation Site	301,702.000 CY	_____.	_____.
0588	SPV.0060 Special 01. Temporary Slope Drain	8.000 EACH	_____.	_____.
0590	SPV.0060 Special 02. Temporary Stone Ditch Checks	120.000 EACH	_____.	_____.
0592	SPV.0060 Special 03. Temporary Sand Bag Dike	5.000 EACH	_____.	_____.
0594	SPV.0060 Special 07. Vertical Impact Recovery Panels	40.000 EACH	_____.	_____.
0596	SPV.0060 Special 08. Vertical Impact Recovery Panel Bases	40.000 EACH	_____.	_____.
0598	SPV.0060 Special 09. Gates Wood Double Leaf 20-Foot	2.000 EACH	_____.	_____.
0600	SPV.0085 Special 01. Seeding Upland Buffer	350.000 LB	_____.	_____.
0602	SPV.0085 Special 02. Seeding Wet Meadow And Shallow Marsh Mix	250.000 LB	_____.	_____.
0604	SPV.0085 Special 03. Low Maintenance Seed Mix	18.000 LB	_____.	_____.
0606	SPV.0090 Special 01. Fence Chain Link Polymer-Coated 6-Ft	530.000 LF	_____.	_____.
0608	SPV.0090 Special 02. Removing Centerline Rumble Strips	30,900.000 LF	_____.	_____.
0610	SPV.0090 Special 03. Relapping Steel Plate Beam Guard	484.000 LF	_____.	_____.
0612	SPV.0090 Special 04. Concrete Barrier Temporary Precast Anchoring	400.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0614	SPV.0090 Special 05. Concrete Curb & Gutter 30-Inch Type D Reinforced	140.000 LF	_____.	_____.
0616	SPV.0105 Special 01. Construction Staking Wetland Site	LS	LUMP SUM	_____.
0618	SPV.0105 Special 02. Temporary Bypass Channel, STA 572+65	LS	LUMP SUM	_____.
0620	SPV.0105 Special 03. Temporary Bypass Channel, STA 588+75 - STA 603+07	LS	LUMP SUM	_____.
0622	SPV.0165 Special 01. Concrete Sidewalk 6-Inch Reinforced	690.000 SF	_____.	_____.
0624	SPV.0180 Special 02. Salvaged Topsoil 12-Inch	240,500.000 SY	_____.	_____.
0626	SPV.0180 Special 03. Salvaged Topsoil Over Riprap	2,465.000 SY	_____.	_____.
0628	201.0115 Clearing	0.600 ACRE	_____.	_____.
0630	201.0215 Grubbing	0.600 ACRE	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.



Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

March 5, 2020

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #18: 1440-15-72
Fond Du Lac – Plymouth
Seven Hills Road – East County
Line
STH 23
Fond Du Lac

1440-15-73, WISC 2020 109
Fond Du Lac – Plymouth
Seven Hills Road – East County
Line
STH 23
Fond Du Lac

Letting of March 10, 2020

This is Addendum No. 02, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
29	QMP Subgrade

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
614.0305	Steel Plate Beam Guard Class A	LF	780	-184	596
SPV.0060.02	Temporary Stone Ditch Checks	EACH	120	-115	15

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
210.1500	Backfill Structure Type A	TON	0	1,512	1,512
614.0230	Steel Thrie Beam	LF	0	184	184

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
210.1100	Backfill Structure Type A	CY	1,512	-1,512	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
168	Erosion Control – Temporary - Added Temporary Stone Ditch Check symbol to legend
169	Erosion Control – Temporary - Added Temporary Stone Ditch Check symbol to legend and added Temporary Stone Ditch Check symbols to temporary erosion control layout
170	Erosion Control – Temporary – Added Temporary Stone Ditch Check symbol to legend
171	Erosion Control – Temporary – Added Temporary Stone Ditch Check symbol to legend and added Temporary Stone Ditch Check symbols to temporary erosion control layout
172	Erosion Control – Temporary – Added Temporary Stone Ditch Check symbol to legend
173	Erosion Control – Temporary – Added Temporary Stone Ditch Check symbol to legend and added Temporary Stone Ditch Check symbols to temporary erosion control layout
174	Erosion Control – Temporary – Replaced incorrect sheet in plan with correct Erosion Control – Temporary sheet
459	Miscellaneous Quantities – Revised quantities at the bullnose terminal
463	Miscellaneous Quantities – Revised quantities for Temporary Stone Ditch Checks
464	Miscellaneous Quantities – Revised quantities for Temporary Stone Ditch Checks
479	Miscellaneous Quantities – Revised note on sheet
865	Structure B-20-218 – Revised unit for item Backfill Structure Type A

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
773A & 774A	Sign Plate A3-1.20
775A	Sign Plate A3-2.5
775B	Sign Plate A3-3.5
776A	Sign Plate A4-1.12

Deleted Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was deleted)
773	Sign Plate A3-1.18 Page 1
774	Sign Plate A3-1.18 Page 2
776	Sign Plate A4-1.10

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 02

1440-15-72

March 5, 2020

Special Provisions

29. QMP Subgrade.

*Replace paragraph one under section titled **A Description** with the following:*

- (1) This special provision describes requirements for subgrade materials within the roadway foundation as defined in standard spec 101.3. These requirements apply to all roadway foundations constructed under this contract including STH 23, ramps, county roads, and local roads. Conform to standard spec 207 as modified in this special provision for all work within roadway foundations at the locations the plans show.

Schedule of Items

Attached, dated March 5, 2020, are the revised Schedule of Items Pages 1 - 21.

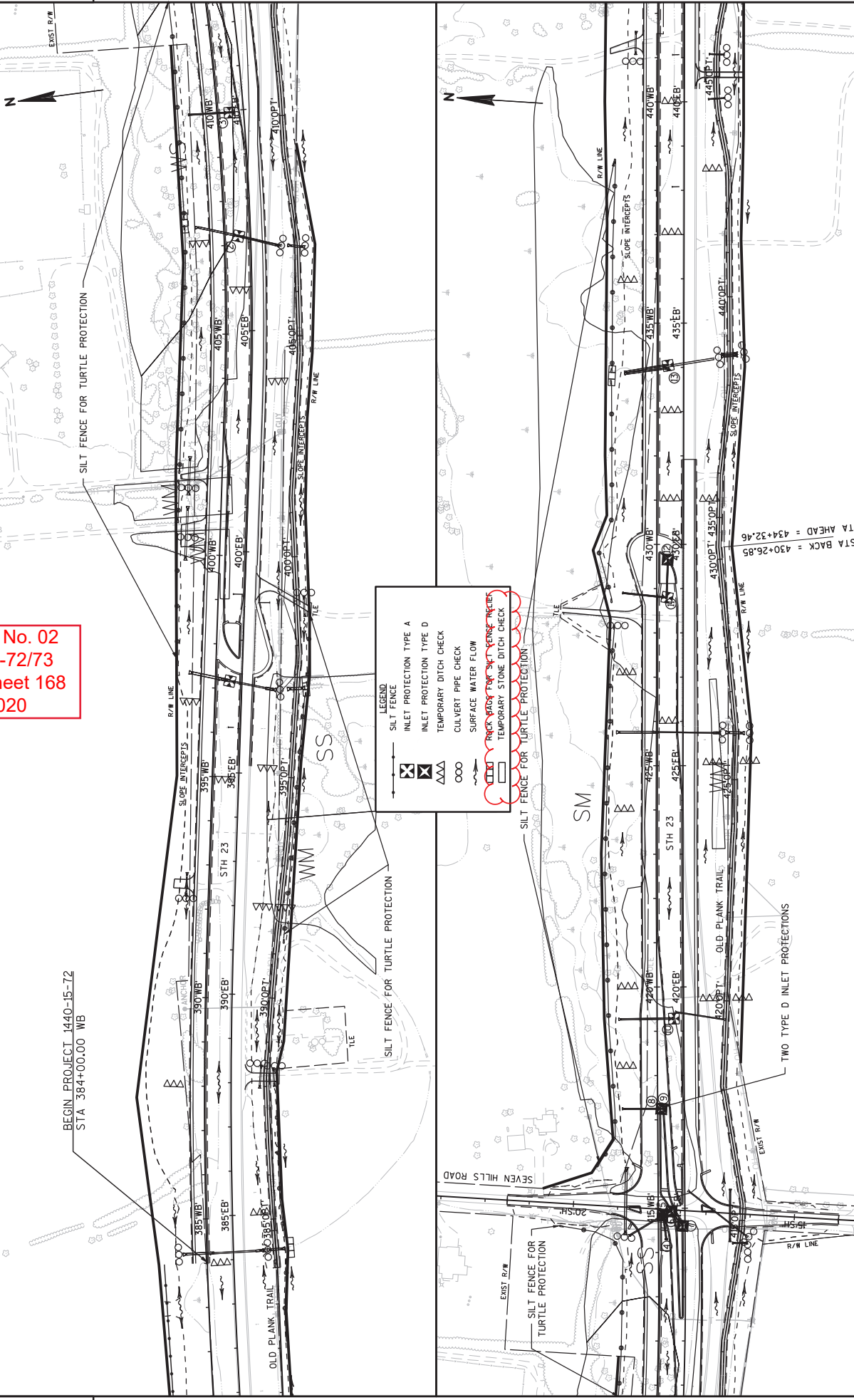
Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 168, 169, 170, 171, 172, 173, 174, 459, 463, 464, 479, 865.

Added: 773A, 774A, 775A, 775B, and 776A

END OF ADDENDUM

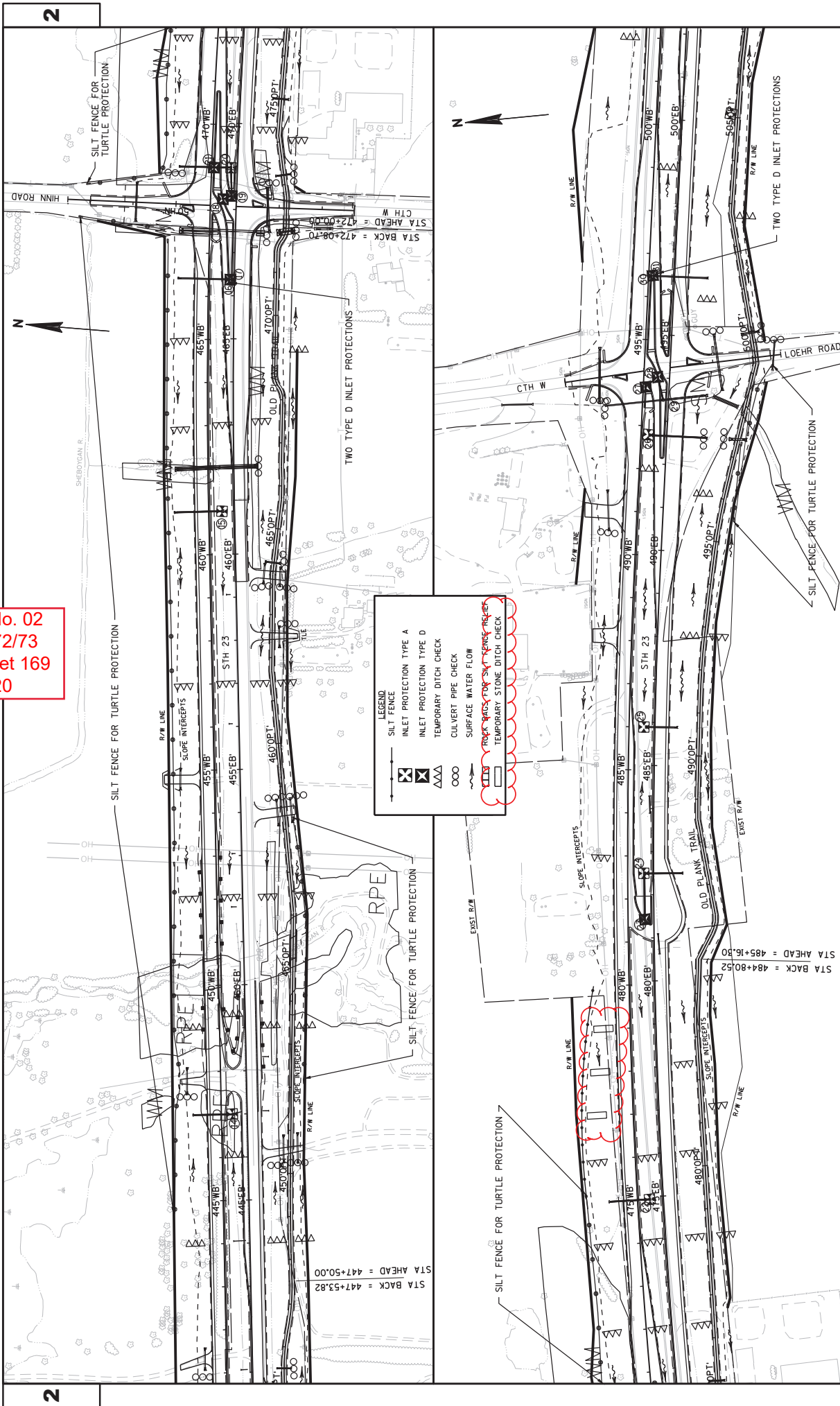


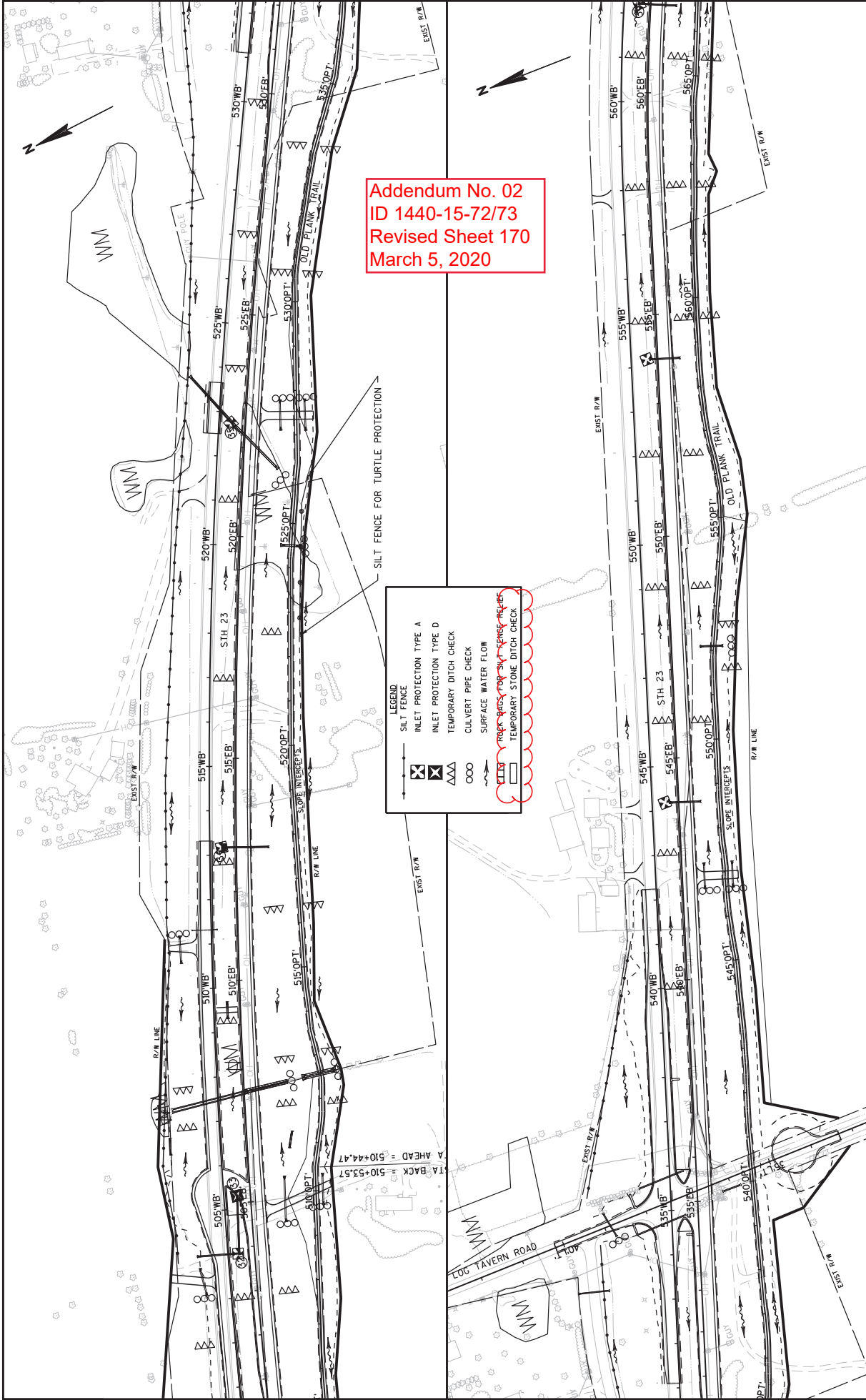
Addendum No. 02
 ID 1440-15-72/73
 Revised Sheet 168
 March 5, 2020

BEGIN PROJECT 1440-15-72
 STA 384+00.00 WB

STA AHEAD = 434+32.46
 STA BACK = 430+26.85

Addendum No. 02
 ID 1440-15-72/73
 Revised Sheet 169
 March 5, 2020

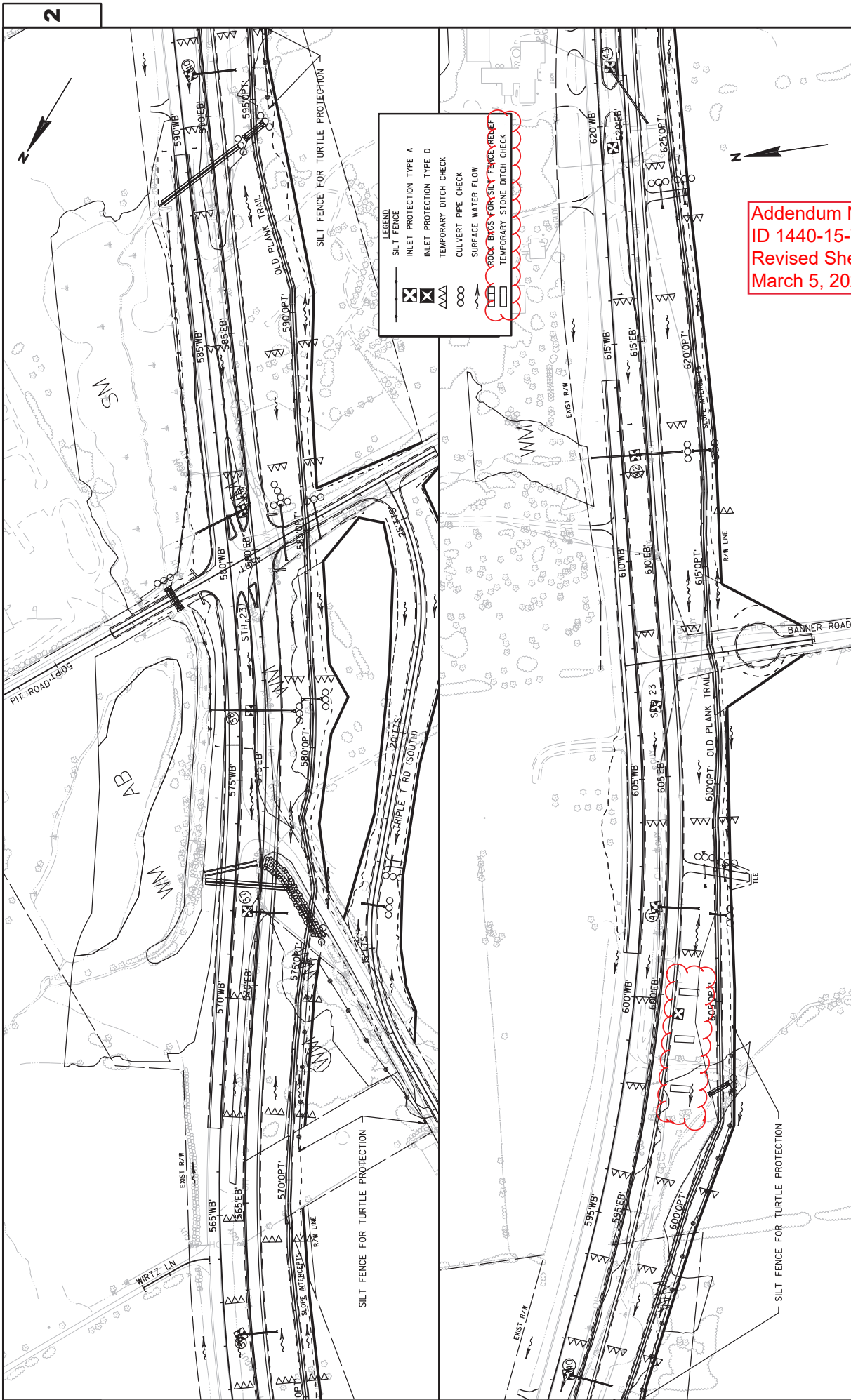




Addendum No. 02
 ID 1440-15-72/73
 Revised Sheet 170
 March 5, 2020

LEGEND

- SILT FENCE
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ROCK BACKS FOR SILT FENCE REPAIR
- TEMPORARY STONE DITCH CHECK



LEGEND

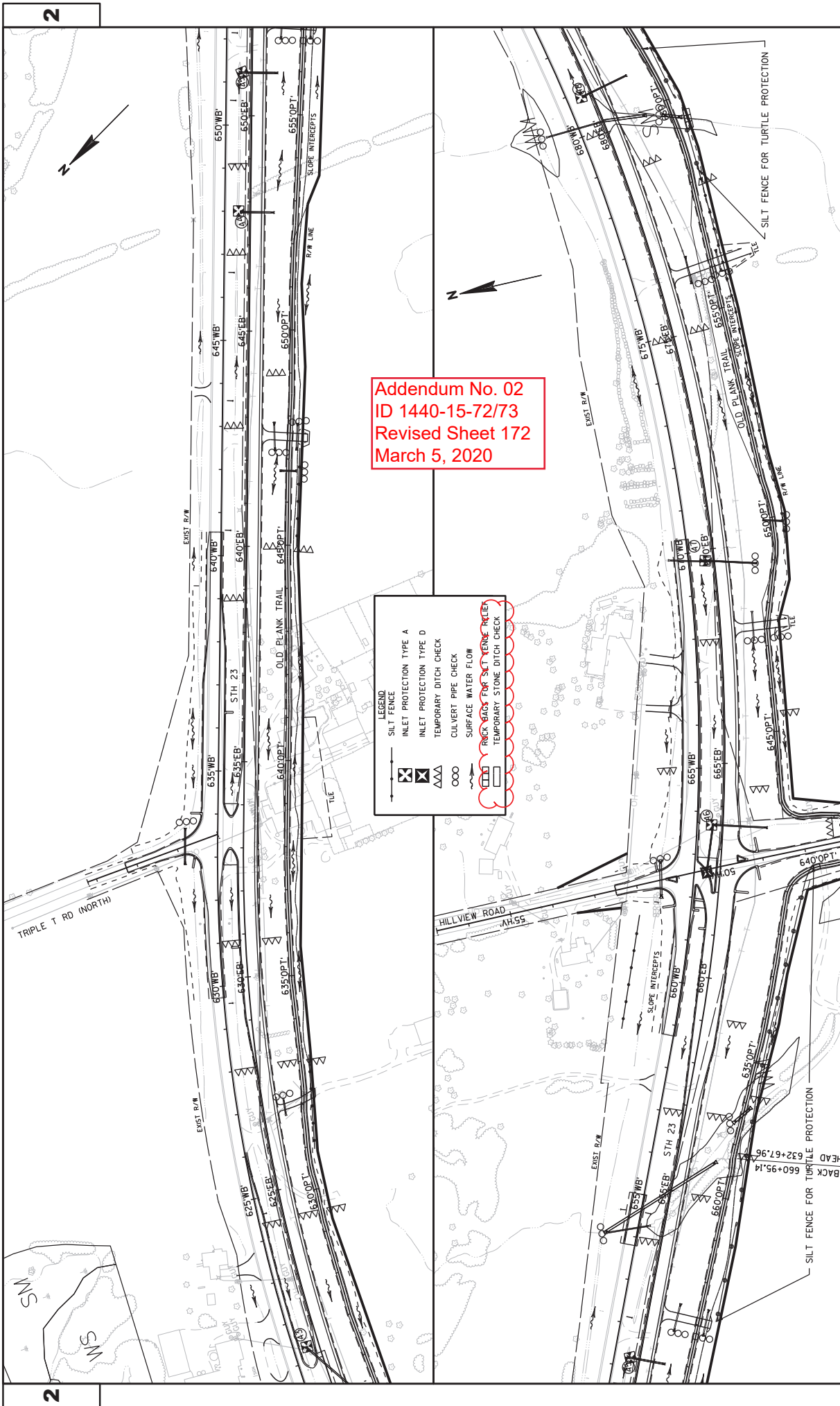
- SILT FENCE
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ROCK BAGS FOR SILT FENCE RELIEF
- TEMPORARY STONE DITCH CHECK

Addendum No. 02
 ID 1440-15-72/73
 Revised Sheet 171
 March 5, 2020

2

2

PROJECT NO: 1440-15-72/73 FILE NAME : N:\NPOS\330\14401501\SHEETS\PLAN\EROSION CONTROL\EC-TEMP.DWG LAYOUT NAME - EC-TEMP - 02014	COUNTY: FOND DU LAC HWY: STH 23 EROSION CONTROL - TEMPORARY PLOT BY : BERG, MATTHEW T PLOT NAME :	SHEET 171 WISDOT/CADD SHEET 44
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Addendum No. 02
 ID 1440-15-72/73
 Revised Sheet 172
 March 5, 2020

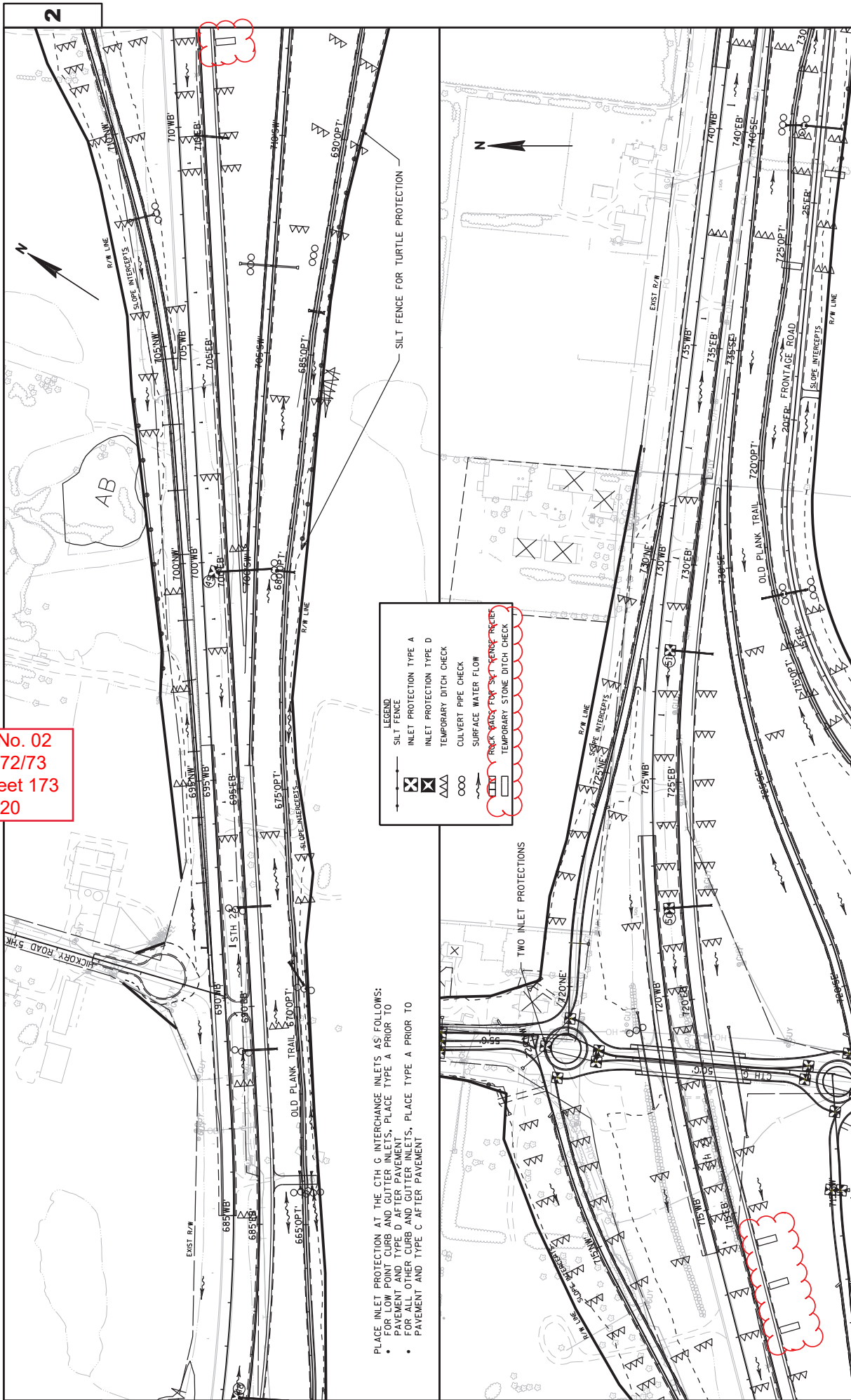
LEGEND

- SILT FENCE
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ROCK BAGS FOR SILT FENCE RELIEF
- TEMPORARY STONE DITCH CHECK

2

2

Addendum No. 02
 ID 1440-15-72/73
 Revised Sheet 173
 March 5, 2020

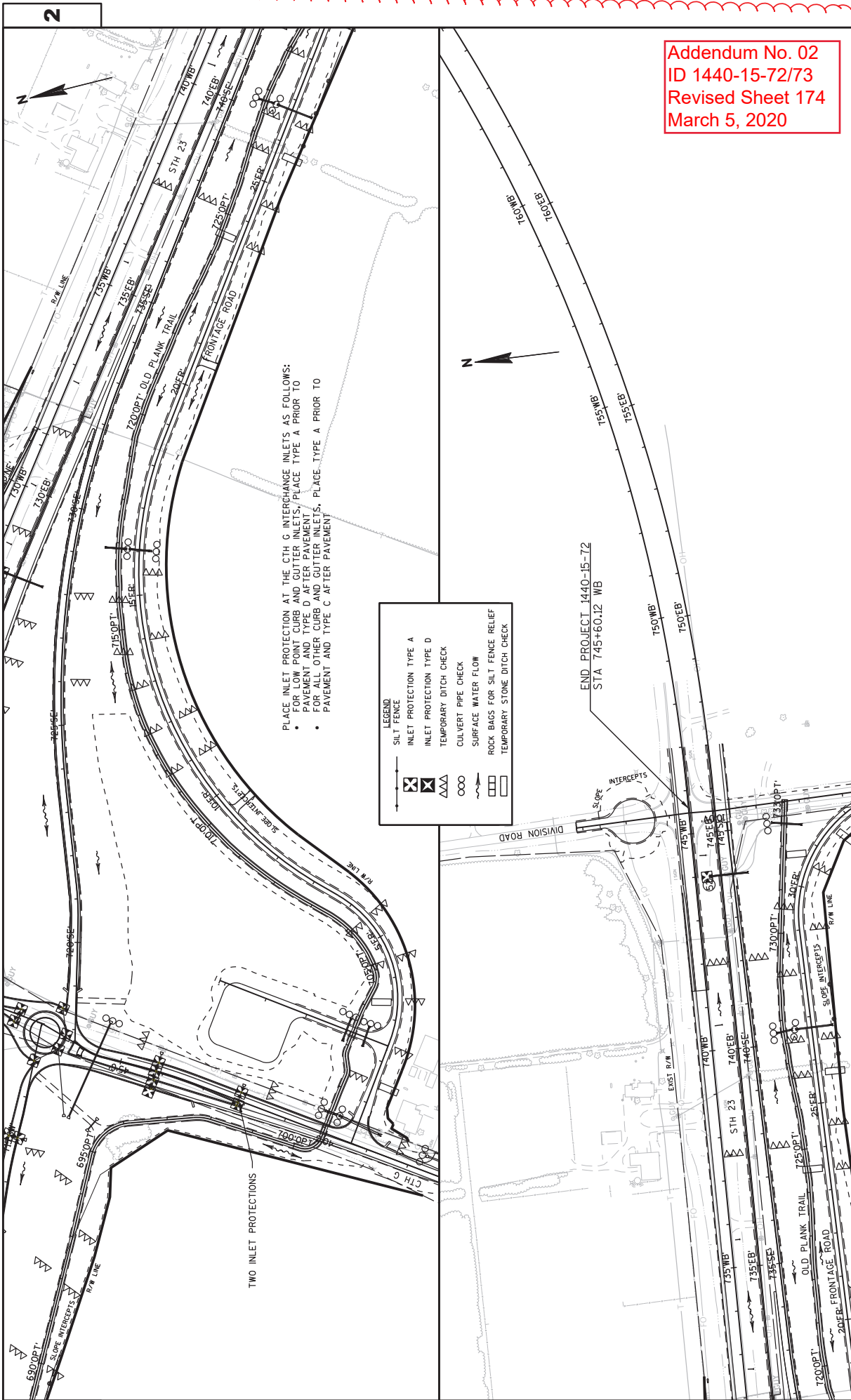


PLACE INLET PROTECTION AT THE CTH G INTERCHANGE INLETS AS FOLLOWS:

- FOR LOW POINT CURB AND GUTTER INLETS, PLACE TYPE A PRIOR TO PAVEMENT AND TYPE D AFTER PAVEMENT
- FOR ALL OTHER CURB AND GUTTER INLETS, PLACE TYPE A PRIOR TO PAVEMENT AND TYPE C AFTER PAVEMENT

LEGEND

- SILT FENCE
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ROCK BACKS FOR SILT FENCE INLETS
- TEMPORARY STONE DITCH CHECK



Addendum No. 02
 ID 1440-15-72/73
 Revised Sheet 174
 March 5, 2020

PLACE INLET PROTECTION AT THE CTH G INTERCHANGE INLETS AS FOLLOWS:

- FOR LOW POINT CURB AND GUTTER INLETS, PLACE TYPE A PRIOR TO PAVEMENT AND TYPE D AFTER PAVEMENT
- FOR ALL OTHER CURB AND GUTTER INLETS, PLACE TYPE A PRIOR TO PAVEMENT AND TYPE C AFTER PAVEMENT

LEGEND

- SILT FENCE
- ⊠ INLET PROTECTION TYPE A
- ⊡ INLET PROTECTION TYPE D
- △△△ TEMPORARY DITCH CHECK
- ○ ○ CULVERT PIPE CHECK
- ~ SURFACE WATER FLOW
- ⊠ ROCK BAGS FOR SILT FENCE RELIEF
- ▭ TEMPORARY STONE DITCH CHECK

SURFACE DRAIN SUMMARY

1440-15-72

*521.2005.S
SURFACE DRAIN
PIPE CORRUGATED
METAL SLOTTED
18-INCH

STATION	TO	STATION	REMARKS	LF
386'WB'+24,	25' RT	- 390'WB'+06,	39' RT	380
473'WB'+85,	24' RT	- 476'WB'+00,	0' RT	216
684'WB'+07,	0' RT	- 686'WB'+45,	16' RT	239
PROJECT TOTAL				835

* 6" special grate depth required

TEMPORARY SLOPE DRAIN SUMMARY

1440-15-72

STATION	LOCATION	EACH	LF
449'WB'+93	B-20-205	2	
455'OPT'+00	B-20-215	2	
49'G'+13	B-20-218	2	
51'G'+16	B-20-218	2	
PROJECT TOTAL			8

Addendum No. 02
ID 1440-15-72/73
Revised Sheet 459
March 5, 2020

RUMBLE STRIP SUMMARY

1440-15-73

416.1110 CONCRETE SHOULDER RUMBLE STRIPS
465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS

STATION	TO	STATION	LOCATION	LF
384'WB'+00	-	413'WB'+71	STH 23 WB	1,782
384'EB'+00	-	397'EB'+16	STH 23 EB	---
400'EB'+20	-	408'EB'+70	STH 23 EB	852
416'EB'+07	-	429'EB'+92	STH 23 EB	1,306
420'WB'+64	-	466'WB'+86	STH 23 WB	4,000
429'EB'+92	-	461'EB'+70	STH 23 EB	34
469'EB'+26	-	488'EB'+45	STH 23 EB	1,552
473'WB'+12	-	493'WB'+08	STH 23 WB	1,404
496'EB'+02	-	535'EB'+06	STH 23 EB	3,651
499'WB'+76	-	533'WB'+51	STH 23 WB	3,029
535'EB'+06	-	574'EB'+34	STH 23 EB	3,921
540'WB'+82	-	578'WB'+77	STH 23 WB	934
581'EB'+11	-	633'EB'+23	STH 23 EB	5,094
585'WB'+39	-	632'WB'+06	STH 23 WB	2,577
633'EB'+23	-	656'EB'+69	STH 23 EB	2,347
638'WB'+54	-	661'WB'+36	STH 23 WB	358
663'EB'+12	-	745'EB'+60	STH 23 EB	7,321
663'WB'+74	-	745'WB'+60	STH 23 WB	1,405
PROJECT TOTAL			41,567	70,800

BEAM GUARD SUMMARY

1440-15-73

STATION	TO	STATION	LOCATION	LF	EACH	LF	REMARKS
447'EB'+80	-	450'EB'+05	STH 23 EB RT	---	---	---	
448'EB'+39	-	453'EB'+36	STH 23 MEDIAN	46	1	46	
448'WB'+52	-	452'WB'+92	STH 23 WB LT	46	---	---	
35'LT'+00	-	LOG TAVERN RD		---	---	---	
1'BN'+95	-	BANNER RD		---	---	---	CUL-DE-SAC
0'HK'+80	-	HECKORY RD		---	---	---	CUL-DE-SAC
11'DIV'+28	-	DIVISION RD		---	---	---	CUL-DE-SAC
PROJECT TOTAL			92	1	184	596	
614.0200	STEEL THRIE BEAM STRUCTURE APPROACH	614.0220	STEEL THRIE BEAM BULLNOSE TERMINAL	---	---	---	
614.0300	GUARDRAIL TYPE 2	614.0370	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL	---	---	---	
614.2300	GUARDRAIL TYPE 3	614.2620	MARKER POST FLEXIBLE FOR GUARD RAIL TERMINAL	---	---	---	
614.2300	GUARDRAIL TYPE 3	614.2620	MARKER POST FLEXIBLE FOR GUARD RAIL TERMINAL	---	---	---	
614.2300	GUARDRAIL TYPE 3	614.2620	MARKER POST FLEXIBLE FOR GUARD RAIL TERMINAL	---	---	---	
PROJECT TOTAL			100	8	4	484	

* INCIDENTAL TO BID ITEM 614.0370

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

EROSION CONTROL SUMMARY

1440-15-72

STATION TO STATION	LOCATION	LF	LF	EACH	EACH	EACH	LF	EACH	LF	EACH	LF	EACH
384' EB'+00 - 745' EB'+60	STH 23	---	---	44	18	596	3,840	---	---	---	---	---
380' WB'+00 - 384' WB'+00	WB	395	198	---	---	---	---	---	---	---	---	---
382' EB'+18 - 388' EB'+02	RT	536	268	---	---	---	---	---	---	---	---	---
391' EB'+19 - 396' EB'+86	RT	590	295	---	---	---	---	---	---	---	---	---
397' EB'+12 - 398' EB'+64	RT	179	90	---	---	---	---	---	---	---	---	---
397' EB'+50 - 400' EB'+35	LT	312	156	---	---	---	---	---	---	---	---	---
400' EB'+62 - 401' EB'+56	LT	120	60	---	---	---	---	---	---	---	---	---
401' EB'+73 - 407' EB'+42	LT	584	292	---	---	---	---	---	---	---	---	---
407' EB'+57 - 414' EB'+62	LT	815	408	---	---	---	---	---	---	---	---	---
415' EB'+96 - 425' EB'+67	LT	1,012	506	---	---	---	---	---	---	---	---	---
425' EB'+84 - 428' EB'+16	LT	259	130	---	---	---	---	---	---	---	---	---
428' EB'+69 - 433' EB'+69	LT	536	268	---	---	---	---	---	---	---	---	---
433' EB'+90 - 438' EB'+70	LT	506	253	---	---	---	---	---	---	---	---	---
444' EB'+72 - 447' EB'+69	LT	324	162	---	---	---	---	---	---	---	---	---
447' EB'+73 - 450' EB'+65	RT	316	158	---	---	---	---	---	---	---	---	---
447' EB'+91 - 452' EB'+86	LT	524	262	---	---	---	---	---	---	---	---	---
451' EB'+31 - 453' EB'+88	RT	287	144	---	---	---	---	---	---	---	---	---
453' EB'+15 - 461' EB'+88	LT	901	451	---	---	---	---	---	---	---	---	---
462' EB'+04 - 467' EB'+26	LT	555	278	---	---	---	---	---	---	---	---	---
467' WB'+50 - 483' WB'+00	LT	---	---	---	---	---	---	---	---	---	---	---
468' EB'+48 - 475' EB'+15	LT	846	423	---	---	---	---	---	---	---	---	---
475' WB'+00 - 480' WB'+00	LT	520	260	---	---	---	---	---	---	---	---	---
490' EB'+76 - 492' EB'+59	RT	210	105	---	---	---	---	---	---	---	---	---
492' EB'+79 - 494' EB'+45	RT	204	102	---	---	---	---	---	---	---	---	---
495' EB'+00 - 498' EB'+00	RT	314	157	---	---	---	---	---	---	---	---	---
504' WB'+00 - 541' WB'+00	LT	3,602	1,801	---	---	---	---	---	---	---	---	---
517' EB'+80 - 521' EB'+43	RT	388	194	---	---	---	---	---	---	---	---	---
566' EB'+21 - 570' EB'+68	RT	933	467	---	---	---	---	---	---	---	---	---
576' WB'+00 - 588' WB'+00	LT	1,130	565	---	---	---	---	---	---	---	---	---
585' EB'+00 - 601' EB'+00	RT	---	---	---	---	---	---	---	---	---	---	---
SUBTOTAL		16,898	8,449	44	18	596	3,840					

Addendum No. 02
 ID 1440-15-72/73
 Revised Sheet 463
 March 5, 2020

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

SHEET: 463

PROJECT NO: 1440-15-72/73

COUNTY: FOND DU LAC

MISCELLANEOUS QUANTITIES

HWY: STH 23

FILE NAME: N:\PDS\...030200_mq.ppk

PLOT DATE: June 14, 1911

PLOT BY: A.R.H.

PLOT NAME:

PLOT SCALE: 1:1

E

EROSION CONTROL SUMMARY CONTINUED

1440-15-72

STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH	LF	LF	EACH	EACH
590'	EB'+04	-	599'	EB'+47	RT	1,000	---	---	---	---	---
602'	EB'+00	-	606'	EB'+00	RT	473	---	---	---	---	---
612'	EB'+00	-	614'	EB'+00	RT	211	---	---	---	---	---
626'	EB'+00	-	628'	EB'+00	RT	219	---	---	---	---	---
640'	EB'+00	-	642'	EB'+00	RT	228	---	---	---	---	---
652'	EB'+21	-	654'	EB'+53	RT	258	---	---	---	---	---
655'	EB'+04	-	662'	EB'+77	RT	826	---	---	---	---	---
659'	WB'+00	-	661'	WB'+50	LT	268	---	---	---	---	---
670'	EB'+00	-	679'	EB'+00	RT	896	---	---	---	---	---
678'	EB'+49	-	679'	EB'+91	RT	173	---	---	---	---	---
680'	EB'+20	-	681'	EB'+44	RT	156	---	---	---	---	---
687'	EB'+00	-	691'	EB'+00	RT	420	---	---	---	---	---
697'	EB'+43	-	704'	EB'+08	LT	670	---	---	---	---	---
700'	EB'+42	-	709'	EB'+81	RT	995	---	---	---	---	---
708'	EB'+00	-	726'	EB'+00	RT	---	---	---	---	---	---
739'	EB'+22	-	742'	EB'+15	RT	293	---	---	---	---	---
50'	HIN'+25	-	52'	HIN'+23	LT	226	---	---	---	---	---
0'	FR'+00	-	33'	FR'+57	---	---	---	---	---	---	---
				UNDISTRIBUTED		6,053	---	---	---	149	1,076
				SUBTOTAL		13,365	6,682	0	79	149	1,541
				PROJECT TOTAL		34,558	16,961	23	786	5,611	15

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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Addendum No. 02
 ID 1440-15-72/73
 Revised Sheet 464
 March 5, 2020

EROSION CONTROL MOBILIZATION - GRADING

1440-15-72

STATION	TO	STATION	EACH	EACH
384'	EB'+00	-	745'	EB'+60
				15
				15
				8
				8

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

EROSION CONTROL MOBILIZATION - PAVING

1440-15-73

STATION	TO	STATION	EACH	EACH
384'	EB'+00	-	745'	EB'+60
				13
				13
				6
				6

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PROJECT NO: 1440-15-72/73 HWY: STH 23 COUNTY: FOND DU LAC MISCELLANEOUS QUANTITIES SHEET: 464 E

**ERECTION OF PERMANENT SIGNING, TYPE I
ERECTING STRUCTURAL STEEL SIGN SUPPORTS**

SIGN NO.	LOCATION	SIGN CODE	W X H	637.1220 SIGNS TYPE I REFLECTIVE SH S.F.	635.0200 SIGN SUPPORTS STRUCT. STEEL HIGH-STRENGTH LB*	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY*	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT LB*	TYPE/ SIZE OF STEEL*	REMARKS
700	STH 23 EB, E. OF TRIPLE T RD	E1-51A	168" X 120"	140.00	1365	2.2	322	W12X26	GROUND MOUNT AT STA. 642+75
701	STH 23 EB, AT OFF-RAMP TAPER FOR CTH G	E4-1A	216" X 90"	135.00	1261	2.2	322	W12X26	GROUND MOUNT AT STA. 694+75
702	STH 23 WB, AT OFF-RAMP TAPER FOR CTH G	E4-1A	216" X 90"	135.00	1261	2.2	322	W12X26	GROUND MOUNT AT STA. 732+00
703	STH 23 WB, E. OF CHICKADEE RD	E1-51A	168" X 120"	140.00	1365	2.2	322	W12X26	GROUND MOUNT AT STA. 787+00
PROJECT TOTALS				550.00	5252	8.8	1288		

*THESE QUANTITIES ARE ESTIMATES.
ACTUAL SIZE/NUMBER/LENGTH/WEIGHT OF STEEL SUPPORTS/REINFORCEMENT/CONCRETE BASES
ARE TO BE DETERMINED BY CONTRACTOR, BASED ON SURVEY OF FIELD CONDITIONS, FINAL GRADE AND SIGN LOCATION.
SURVEY REQUIRED FOR DETERMINATION IS THE RESPONSIBILITY OF THE CONTRACTOR, INCIDENTAL TO THE CONTRACT.
FOLLOW SIGN DETAIL A-PLATES - A3-1, A3-2, A3-3, A4-1

Addendum No. 02
ID 1440-15-72/73
Revised Sheet 479
March 5, 2020

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

PROJECT NUMBER: 1440-15-72/73

HWY: STH 23

COUNTY: FOND DU LAC

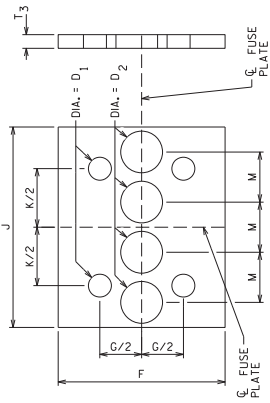
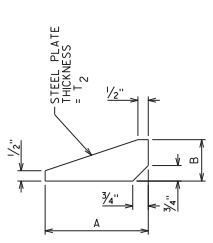
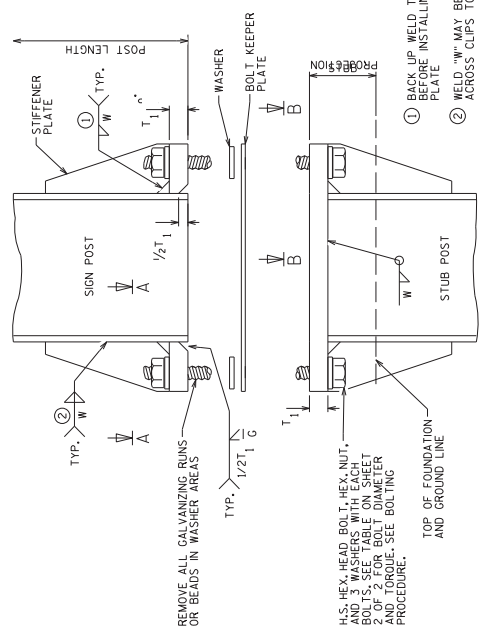
MISCELLANEOUS QUANTITIES

SHEET

479

E

Addendum No. 02
 ID 1440-15-72/73
 Added Sheet 773A
 March 5, 2020



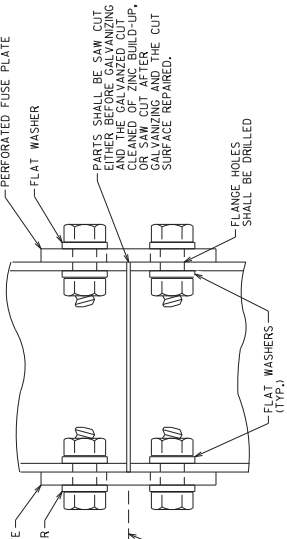
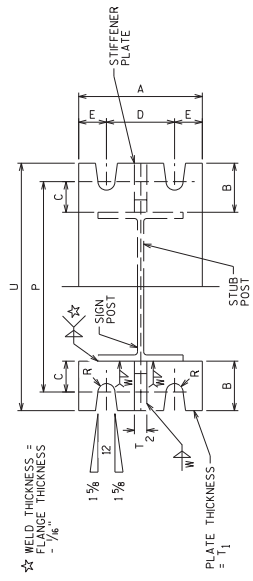
PERFORATED FUSE PLATE DETAIL

USE H.S. HEX HEAD BOLTS, HEX HEAD NUT AND FLAT WASHER UNDER NUT. INSTALL ALL BOLTS PER THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 506.322.3.

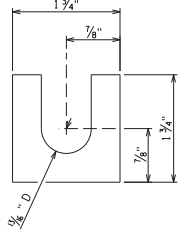
ALL HOLES SHALL BE DRILLED, SUB-PUNCHED AND REAMED. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED THE CUTS ARE CLEANED AND THE CUT SURFACES ARE CLEANED OF ZINC BUILD-UP. TO THE REQUIREMENTS OF ASTM A36, ASTM A572 GRADE 50 OR ASTM A588. WELDS SHALL BE SUBSTITUTED FOR A36 AT THE OPTION OF THE FABRICATOR. MILL TEST REPORTS SHALL BE OBTAINED FOR ALL STEEL USED. STEEL SHALL HAVE AN ULTIMATE TENSILE STRENGTH NOT TO EXCEED 80 KSI.

- BACK UP WELD TO BE MADE BEFORE INSTALLING STIFFENER PLATE
- WELD "W" MAY BE CONTINUED ACROSS CLIPS TO SEAL JOINT

SIGN POST & STUB POST ELEVATION



FUSE PLATE CONNECTION DETAIL



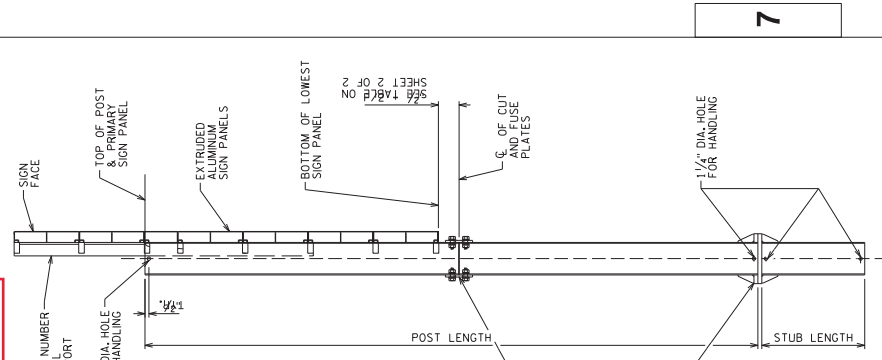
SHIM DETAIL

FURNISH TWO (2) 3/4" THICK AND TWO (2) 1/2" THICK SHIMS PER BOLT. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B58.

BOLTING PROCEDURE FOR BASE CONNECTION

- ASSEMBLE SIGN POST, BOLT KEEPER PLATE, AND STUB POST WITH BOLTS AND THREE FLAT WASHERS PER BOLT AS SHOWN.
- SHIM AS REQUIRED TO PLUMB POST.
- PRIOR TO BOLT TIGHTENING, LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
- TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 17" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS.
- LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER NOT EXCEEDING TORQUE. USE TABLE FOR PRESCRIBED TORQUE, DO NOT OVER-TIGHTEN.
- BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

POST DETAIL



NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE SIGNS		DRAWN BY	PLANS (S&L)
CONNECTION & FOUNDATION DETAILS 1 OF 2		SHEET	A3-120
		773A	

GENERAL NOTES

- DRAWINGS SHALL NOT BE SCALED
- MATERIALS SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506, UNLESS NOTED OTHERWISE.
- FABRICATION SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506.
- ALL POST, POST STUBS & ATTACHMENTS SHALL BE ASTM A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.
- THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST, FLANGE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
- H.S. BOLTS, WASHERS, & NUTS SHALL BE A325 GALVANIZED.

FOUNDATION MATERIAL PROPERTIES

CONCRETE MASONRY $f_c = 3500$ P.S.I.
 BAR STEEL REINFORCEMENT (UNCOATED), GRADE 60 $f_y = 60000$ P.S.I.

DESIGN DATA

DESIGN CONFORMS TO AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS 1ST EDITION 2015 WITH 2017 & 2018 INTERIM REVISIONS.

- DEAD LOADS (DL):
- STEEL POST SELF WEIGHT
- SIGN PANEL WEIGHT = 3 PSF
- WIND LOADS (WL):

WIND LOADS WERE APPLIED TO THE PROJECTED AREAS OF THE SIGN PANELS AND THE STEEL SIGN POSTS.

- BASIC WIND SPEED = 76 MPH
- MEAN RECURRENCE INTERVAL = 10 YEARS
- DIRECTIONALITY FACTOR = 1.00
- GUST EFFECT FACTOR = 1.4

WIND LOAD CASES:

- WL CASE 1: 1.0 X NORMAL WIND
- WL CASE 2: 1.0 X TRANSVERSE WIND
- WL CASE 3: 0.75 X NORMAL WIND + 0.75 X TRANSVERSE WIND

LOAD COMBINATIONS:

LOAD COMBINATION	TYPE	DL FACTOR	WL FACTOR
STRENGTH I	GRAVITY	1.25	-
EXTREME I	WIND	1.00	1.0
SERVICE I	DEFLECTION	1.0	1.0

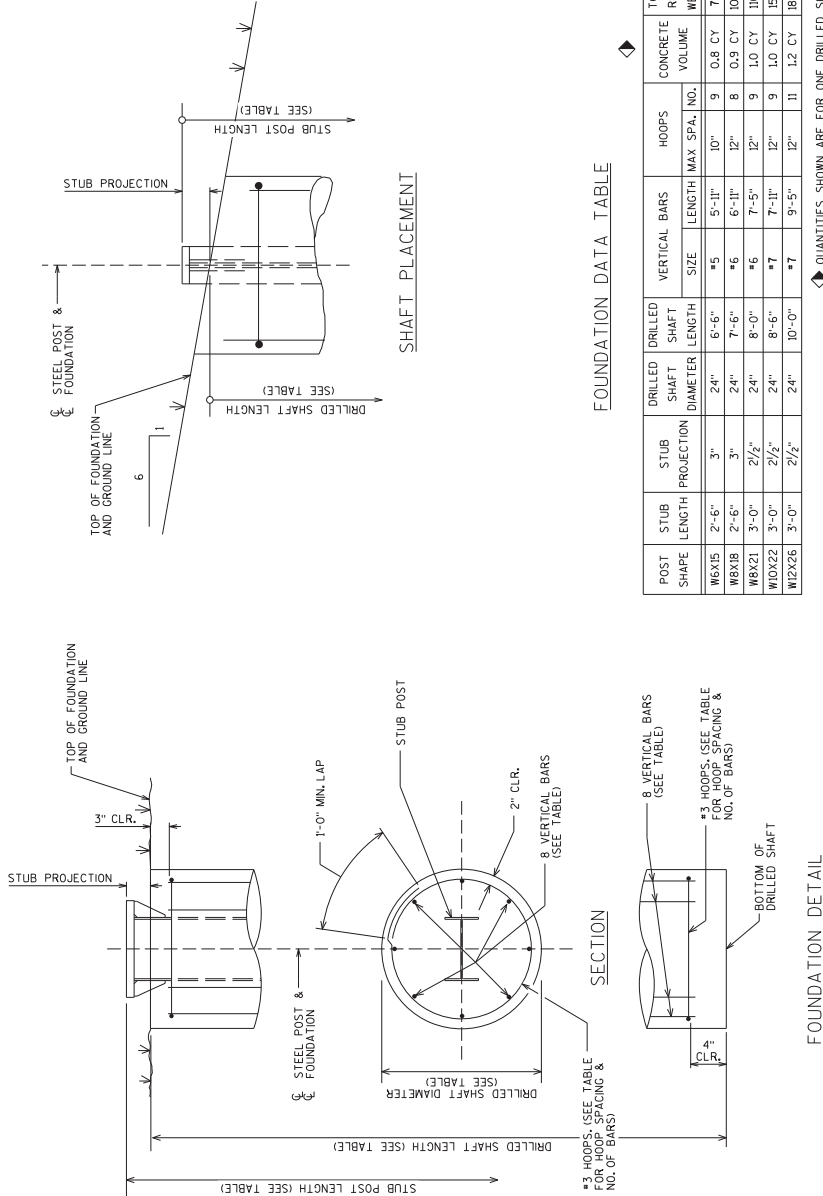
FOUNDATION DESIGN DATA

THE FOUNDATION DESIGN ASSUMED COHESIONLESS SOILS (LOOSE SAND) ABOVE THE WATER TABLE WITH THE FOLLOWING PROPERTIES:

- SOIL UNIT WEIGHT = 115 PCF
- ANGLE OF INTERNAL FRICTION = 24 DEGREES
- SOIL MODULUS PARAMETER = 25 LB/IN³

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES BTO TYPE I SIGNS			
CONNECTION & FOUNDATION DETAILS 2 OF 2		DRAWN BY	PLANS C.R.D.
774A			

Addendum No. 02
 ID 1440-15-72/73
 Added Sheet 774A
 March 5, 2020



FOUNDATION DATA TABLE

POST SHAPE	STUB LENGTH	STUB PROJECTION	DRILLED SHAFT DIAMETER	DRILLED SHAFT LENGTH	VERTICAL BARS SIZE	LENGTH	HOOPS MAX SPA.	CONCRETE VOLUME	TOTAL REINF. WEIGHT
W6X15	2'-6"	3"	24"	6'-6"	#5	5'-11"	10"	9	0.8 CY 71 LB
W8X18	2'-6"	3"	24"	7'-6"	#6	6'-11"	10"	8	0.9 CY 102 LB
W8X21	3'-0"	2'-2"	24"	8'-0"	#6	7'-5"	12"	9	1.0 CY 110 LB
W10X22	3'-0"	2'-2"	24"	8'-6"	#7	7'-11"	12"	9	1.0 CY 151 LB
W12X26	3'-0"	2'-2"	24"	10'-0"	#7	9'-5"	12"	11	1.2 CY 180 LB

◆ QUANTITIES SHOWN ARE FOR ONE DRILLED SHAFT

BASE CONNECTION & FUSE PLATE DATA TABLE

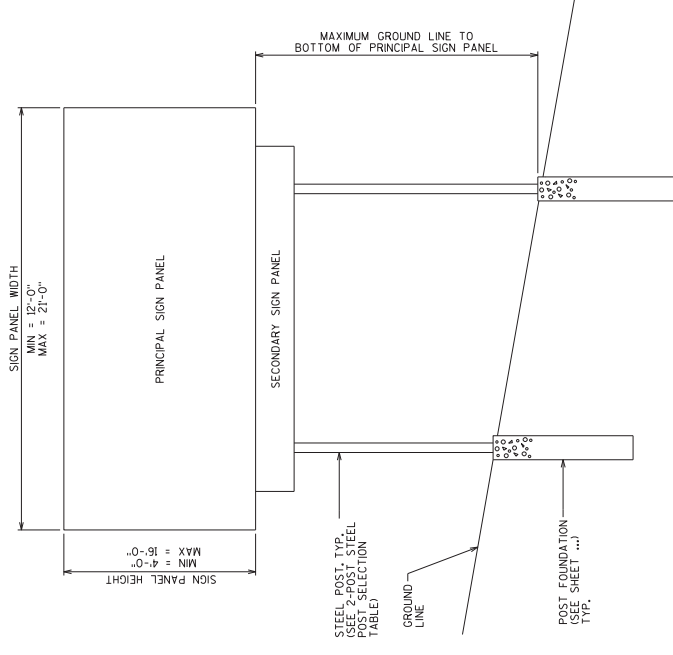
POST SHAPE	WEIGHT PER FOOT	BASE CONNECTION DATA												PERFORATED FUSE PLATE DATA					BOLT WGT.-EA.	BOLT LENGTH	V		
		A	B	C	D	E	T1	T2	W	R	P	U	F	G	J	K	M	D1				D2	T3
W6X15	15 LB	5"	1/4"	2 3/4"	1/8"	1/4"	1/2"	1/4"	1/2"	1/2"	1/2"	1/4"	1/2"	3/2"	6"	3/2"	1/2"	1/4"	3/8"	5/8"	2.4	2	73.0 LB
W8X18	18 LB	6"	1/4"	3"	1/8"	1/4"	1/2"	1/4"	1/2"	1/2"	1/2"	1/4"	1/2"	3"	5/4"	5/4"	1/4"	1/2"	3/4"	3/4"	2.0	2	83.0 LB
W8X21	21 LB	7"	1/4"	3 1/2"	1/8"	1/4"	1/2"	1/4"	1/2"	1/2"	1/2"	1/4"	1/2"	3"	5/4"	5/4"	1/4"	1/2"	3/4"	3/4"	3.1	2 1/2"	124.0 LB
W10X22	22 LB	8"	1/4"	4"	1/8"	1/4"	1/2"	1/4"	1/2"	1/2"	1/2"	1/4"	1/2"	3"	5/4"	5/4"	1/4"	1/2"	3/4"	3/4"	3.9	2 1/2"	134.0 LB
W12X26	26 LB	10"	1/4"	5"	1/8"	1/4"	1/2"	1/4"	1/2"	1/2"	1/2"	1/4"	1/2"	3"	5/4"	5/4"	1/4"	1/2"	3/4"	3/4"	4.5	2 1/2"	152.0 LB

◆ TOTAL STRUCTURAL CARBON STEEL WEIGHT FOR ONE POST = V * (POST LENGTH X POST WEIGHT PER FOOT)

"V" INCLUDES STUB POST, BASE PLATES, STIFFENER PLATES, PERFORATED FUSE PLATES, BOLTS, NUTS, AND WASHERS.

2-POST STEEL POST SELECTION TABLE

SIGN PANEL HEIGHT	MAXIMUM GROUND LINE TO BOTTOM OF PRINCIPAL SIGN PANEL																							
	16'	15'	14'	13'	12'	11'	10'	9'	8'	7'	6'	5'	4'	3'	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
16'	16'	15'	14'	13'	12'	11'	10'	9'	8'	7'	6'	5'	4'	3'	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
15'	15'	14'	13'	12'	11'	10'	9'	8'	7'	6'	5'	4'	3'	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
14'	14'	13'	12'	11'	10'	9'	8'	7'	6'	5'	4'	3'	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
13'	13'	12'	11'	10'	9'	8'	7'	6'	5'	4'	3'	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
12'	12'	11'	10'	9'	8'	7'	6'	5'	4'	3'	2'	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
11'	11'	10'	9'	8'	7'	6'	5'	4'	3'	2'	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
10'	10'	9'	8'	7'	6'	5'	4'	3'	2'	-	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
9'	9'	8'	7'	6'	5'	4'	3'	2'	-	-	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
8'	8'	7'	6'	5'	4'	3'	2'	-	-	-	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
7'	7'	6'	5'	4'	3'	2'	-	-	-	-	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
6'	6'	5'	4'	3'	2'	-	-	-	-	-	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
5'	5'	4'	3'	2'	-	-	-	-	-	-	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
4'	4'	3'	2'	-	-	-	-	-	-	-	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
3'	3'	2'	-	-	-	-	-	-	-	-	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
2'	2'	-	-	-	-	-	-	-	-	-	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
1'	1'	-	-	-	-	-	-	-	-	-	-	-	-	-	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"



STEEL POST SELECTION NOTES:

USE PROPOSED SIGN PANEL DIMENSIONS AND THE MAXIMUM HEIGHT FROM THE GROUND LINE TO THE BOTTOM OF THE PRINCIPAL SIGN PANEL TO DETERMINE THE MINIMUM REQUIRED STEEL POST SIZE:

... INDICATES THAT THERE IS NO AVAILABLE STEEL POST SIZE BASED ON THE NEXT LARGEST 1-FOOT INCREMENT. (FOR EXAMPLE, IF THE PROPOSED GROUND LINE TO BOTTOM OF PRINCIPAL SIGN PANEL IS 12'-6", THE MINIMUM REQUIRED STEEL POST SIZE BASED ON A GROUND LINE TO BOTTOM OF SIGN PANEL HEIGHT OF 15'-0").

IF A PROPOSED SIGN PANEL HEIGHT DIMENSION IS IN A 6" INCREMENT SELECT THE MINIMUM REQUIRED STEEL POST SIZE THAT FALLS WITHIN THE NEXT LARGEST 1-FOOT INCREMENT FROM THE GROUND LINE TO THE BOTTOM OF THE PRINCIPAL SIGN PANEL IS 8'-FEET FOR ONE POST AND 10'-FEET FOR THE SECOND POST, SELECT THE POST SIZE BASED ON THE 10'-FOOT DIMENSION.)

2-POST SIGN CONFIGURATION

Addendum No. 02
ID 1440-15-72/73
Added Sheet 775A
March 5, 2020

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BT0 TYPE 1 SIGNS			
DESIGNED BY	DRAWN BY	CHECKED BY	DATE
2-POST SIGN CONFIGURATION			SHEET A3-25 775A

3-POST STEEL POST SELECTION TABLE

SIGN PANEL HEIGHT	SIGN PANEL WIDTH															
	16'-0"	15'-0"	14'-0"	13'-0"	12'-0"	11'-0"	10'-0"	9'-0"	8'-0"	7'-0"	6'-0"	5'-0"	4'-0"	3'-0"	2'-0"	1'-0"
16'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
15'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
14'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
13'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
12'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
11'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
10'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
9'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
8'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
7'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
6'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
5'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
4'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
3'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
2'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
1'	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26

SEE "2-POST SIGN CONFIGURATION" SHEET

Addendum No. 02
ID 1440-15-72/73
Added Sheet 775B
March 5, 2020

STEEL POST SELECTION NOTES:

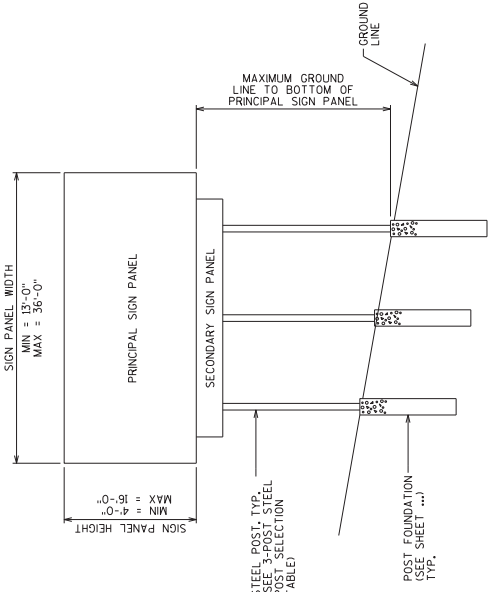
USE PROPOSED SIGN PANEL DIMENSIONS AND THE MAXIMUM HEIGHT OF THE PRINCIPAL SIGN PANEL TO DETERMINE THE MINIMUM REQUIRED STEEL POST SIZE.

"-" INDICATES THAT THERE IS NO STANDARD STEEL POST DESIGN FOR THE PROPOSED SIGN CONFIGURATION. CONTACT THE WISDOT BUREAU OF STRUCTURES TO REQUEST AN ALTERNATE DESIGN FOR THE PROPOSED SIGN CONFIGURATION.

IF THE MAXIMUM PROPOSED HEIGHT FROM THE GROUND LINE TO THE TOP OF THE PRINCIPAL SIGN PANEL IS GREATER THAN THE MAXIMUM HEIGHT OF THE PROPOSED SIGN PANEL, SELECT THE MINIMUM REQUIRED STEEL POST SIZE BASED ON THE NEXT LARGEST 1-FOOT INCREMENT. IF THE MAXIMUM PROPOSED HEIGHT FROM THE GROUND LINE TO THE TOP OF THE PRINCIPAL SIGN PANEL IS GREATER THAN THE MAXIMUM HEIGHT OF THE PROPOSED SIGN PANEL, SELECT THE POST SIZE BASED ON A GROUND LINE TO BOTTOM OF SIGN PANEL HEIGHT OF 15'-0".

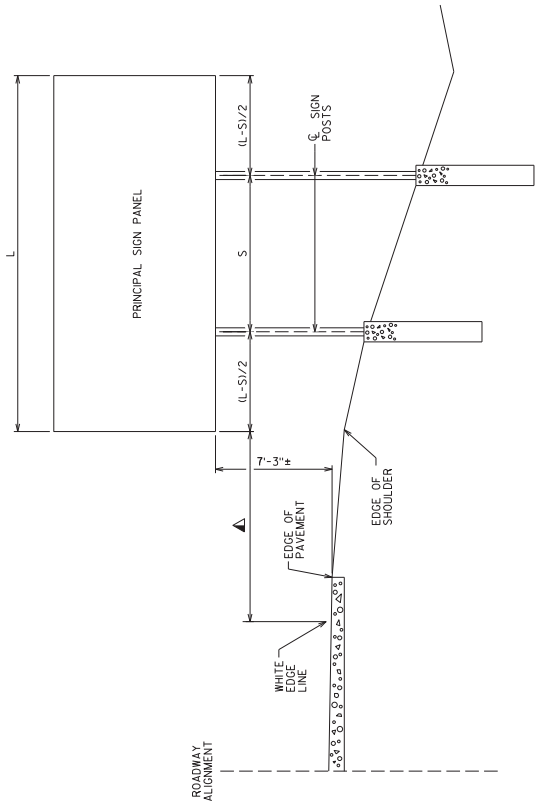
IF A PROPOSED SIGN PANEL HEIGHT DIMENSION IS IN A 6" INCREMENT, SELECT THE MINIMUM REQUIRED STEEL POST SIZE BASED ON THE NEXT LARGEST 1-FOOT INCREMENT. IF THE MAXIMUM PROPOSED HEIGHT FROM THE GROUND LINE TO THE TOP OF THE PRINCIPAL SIGN PANEL IS GREATER THAN THE MAXIMUM HEIGHT OF THE PROPOSED SIGN PANEL, SELECT THE POST SIZE BASED ON A SIGN PANEL HEIGHT OF 15'-0".

FOR PROPOSED SIGN CONFIGURATIONS WHERE THE POST HEIGHTS VARY, SELECT THE STEEL POST SIZE BASED ON THE MAXIMUM DIMENSION FROM THE GROUND LINE TO THE TOP OF THE PRINCIPAL SIGN PANEL. THE MAXIMUM DIMENSION FROM THE GROUND LINE TO THE TOP OF THE PRINCIPAL SIGN PANEL IS 8'-FEET FOR ONE POST AND 15'-FEET FOR TWO POSTS. SELECT THE POST SIZE BASED ON THE 15'-FOOT DIMENSION(S).

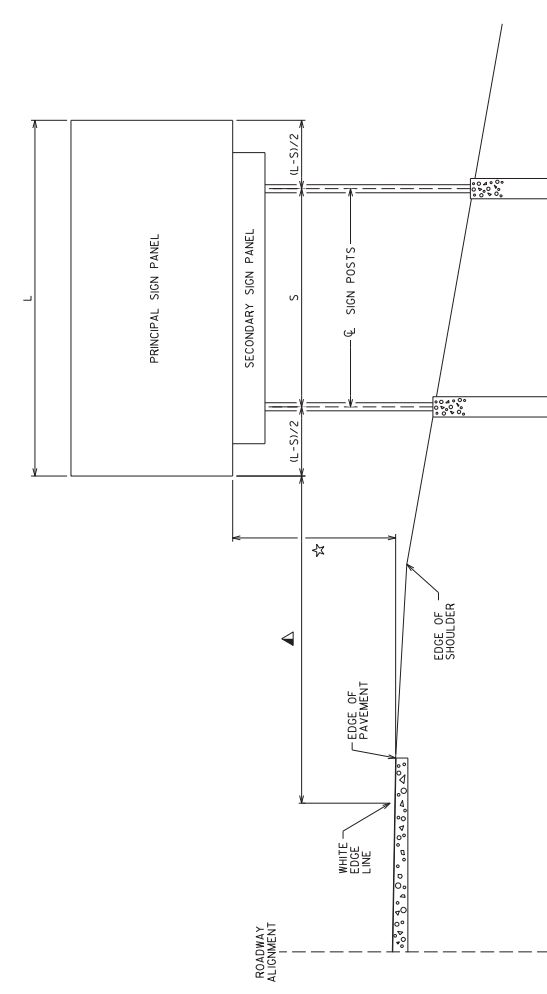


3-POST SIGN CONFIGURATION

NO.	DATE	REVISION	BY
		STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION	
STRUCTURE BTO TYPE I SIGNS			
DRAWN BY: [Name]			775B
CHECKED BY: [Name]			3-POST SIGN CONFIGURATION
			SHEET A3-3.5



INSTALLATION WITHOUT SECONDARY SIGN



INSTALLATION WITH SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

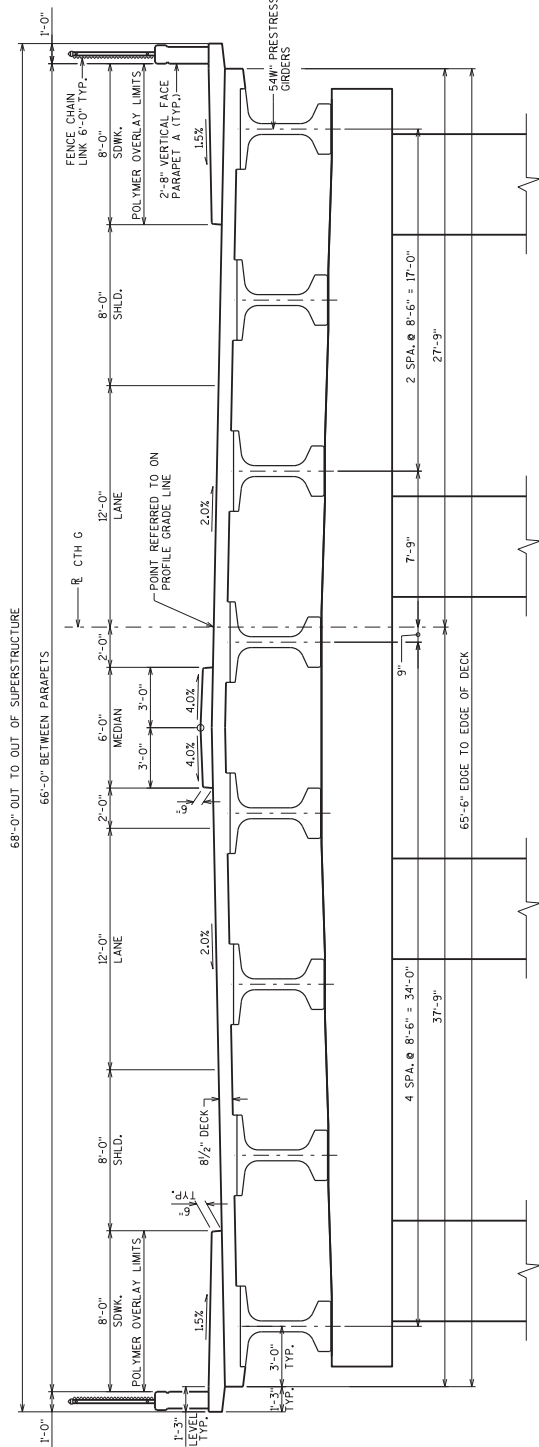
- ▲ FOR A 2-POST INSTALLATION, "S" EQUALS 3L/5, BUT SHALL NOT BE LESS THAN 6'-0".
- ▲ FOR A 3-POST INSTALLATION, "S" EQUALS 5L/7, BUT SHALL NOT BE LESS THAN 12'-0". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-0".
- ▲ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".
- ▲ THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".
- ▲ THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.
- ☆ THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS. FOR VERTICAL CLEARANCES GREATER THAN 8'-3", THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.
- ▲ POST LENGTHS SHOWN IN THE MISCELLANEOUS QUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.
- ▲ REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.

Addendum No. 02
ID 1440-15-72/73
Added Sheet 776A
March 5, 2020

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
DRAWN BY			CHK.
STRUCTURE BTO TYPE 1 SIGNS			
TYPICAL TYPE 1 SIGN INSTALLATION			776A
SHEET A4-L12			

STATE PROJECT NUMBER
1440-15-72

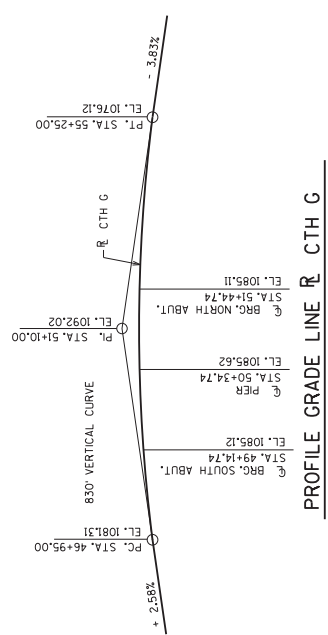
Addendum No. 02
ID 1440-15-72/73
Revised Sheet 865
March 5, 2020



CROSS SECTION THRU ROADWAY LOOKING NORTH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH ABUT.	NORTH ABUT.	PIER	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-20-218	LS					1
210.1500	BACKFILL STRUCTURE TYPE A	CU		528	528		1,056
502.0100	CONCRETE MASONRY BRIDGES	CY	735	68	68	184	1,055
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1,783				1,783
502.3210	PORIMENTED SURFACE SEALER	SY	189	13	13		215
503.0185	PRESTRESSED GIRDER TYPE I 54W-INCH	LF	1,846				1,846
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB		4730	4700	10,840	20,270
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	193,010	2,980	2,970	18,280	163,240
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH		8	8	16	32
506.4000	STEEL DIAPHRAGMS B-20-218	EACH	28				28
509.5100S	POLYMER OVERLAY	SY	414				414
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY		18	18		36
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF		510	480		990
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY		470	385		855
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF		120	120		240
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EA	4				4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY		67	67		134
SPV.0090	FENCE CHAIN LINK POLYMER-COATED 6-FT.	LF	468	31	31		530
	NON-BID ITEMS						
	FILLER	SIZE					1/2" & 3/4"



8

8

3/22/20 REVISE BACKFILL PAY UNIT DLW

NO. DATE REVISION BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

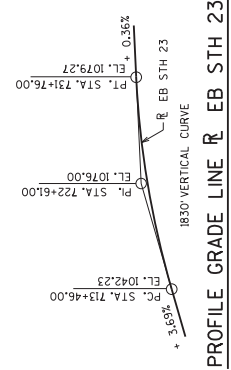
STRUCTURE B-20-218

PLANS BY: WWR/CKD
CHECKED BY: DFD

CROSS SECTION & QUANTITIES

SHEET 2

865





Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

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	108.4300 RBC Progress Schedule	1.000 EACH	_____.	_____.
0004	201.0105 Clearing	240.000 STA	_____.	_____.
0008	201.0205 Grubbing	240.000 STA	_____.	_____.
0012	203.0100 Removing Small Pipe Culverts	108.000 EACH	_____.	_____.
0014	203.0200 Removing Old Structure (station) 01. Station 573+00	LS	LUMP SUM	_____.
0016	203.0200 Removing Old Structure (station) 02. Station 467+70	LS	LUMP SUM	_____.
0018	203.0200 Removing Old Structure (station) 03. Station 588+40	LS	LUMP SUM	_____.
0020	204.0100 Removing Pavement	3,164.000 SY	_____.	_____.
0022	204.0110 Removing Asphaltic Surface	482.000 SY	_____.	_____.
0024	204.0115 Removing Asphaltic Surface Butt Joints	2,167.000 SY	_____.	_____.
0026	204.0120 Removing Asphaltic Surface Milling	16,252.000 SY	_____.	_____.
0028	204.0150 Removing Curb & Gutter	1,791.000 LF	_____.	_____.
0030	204.0165 Removing Guardrail	742.000 LF	_____.	_____.
0032	204.0170 Removing Fence	1,990.000 LF	_____.	_____.
0034	204.0180 Removing Delineators and Markers	66.000 EACH	_____.	_____.
0036	204.0190 Removing Surface Drains	2.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0038	204.0225 Removing Septic Tanks	1.000 EACH	_____.	_____.
0040	204.0230 Removing Building (station) 01. Station 731+25	LS	LUMP SUM	_____.
0042	204.0230 Removing Building (station) 02. Station 389+25	LS	LUMP SUM	_____.
0044	204.0235 Removing Buildings (parcel) 01. Parcel 152	LS	LUMP SUM	_____.
0046	204.0240 Site Clearance (parcel) 01. Parcel 152	LS	LUMP SUM	_____.
0048	204.0240 Site Clearance (parcel) 02. Parcel 114	LS	LUMP SUM	_____.
0050	204.9060.S Removing (item description) 01. Height Modernization Geodetic Survey Monument	1.000 EACH	_____.	_____.
0052	205.0100 Excavation Common	720,212.000 CY	_____.	_____.
0054	205.0300 Excavation Stone Piles and Stone Fences	25.000 CY	_____.	_____.
0056	205.0400 Excavation Marsh	30,346.000 CY	_____.	_____.
0058	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	150.000 TON	_____.	_____.
0060	206.1000 Excavation for Structures Bridges (structure) 01. B-20-0205	LS	LUMP SUM	_____.
0062	206.1000 Excavation for Structures Bridges (structure) 02. B-20-0215	LS	LUMP SUM	_____.
0064	206.1000 Excavation for Structures Bridges (structure) 03. B-20-0218	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0066	208.1100 Select Borrow	86,650.000 CY	_____.	_____.
0070	213.0100 Finishing Roadway (project) 01. 1440-15-72	1.000 EACH	_____.	_____.
0072	213.0100 Finishing Roadway (project) 02. 1440-15-73	1.000 EACH	_____.	_____.
0074	214.0100 Obliterating Old Road	8.000 STA	_____.	_____.
0076	305.0110 Base Aggregate Dense 3/4-Inch	26,217.000 TON	_____.	_____.
0078	305.0120 Base Aggregate Dense 1 1/4-Inch	281,606.000 TON	_____.	_____.
0080	312.0110 Select Crushed Material	266,848.000 TON	_____.	_____.
0082	405.0100 Coloring Concrete WisDOT Red	240.000 CY	_____.	_____.
0084	415.0090 Concrete Pavement 9-Inch	141,097.000 SY	_____.	_____.
0086	415.0210 Concrete Pavement Gaps	25.000 EACH	_____.	_____.
0088	415.5110.S Concrete Pavement Joint Layout	1.000 LS	_____.	_____.
0090	416.0512 Concrete Truck Apron 12-Inch	700.000 SY	_____.	_____.
0092	416.1110 Concrete Shoulder Rumble Strips	41,567.000 LF	_____.	_____.
0094	455.0605 Tack Coat	9,896.000 GAL	_____.	_____.
0096	460.2000 Incentive Density HMA Pavement	24,310.000 DOL	1.00000	24,310.00
0098	460.5223 HMA Pavement 3 LT 58-28 S	11,806.000 TON	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0100	460.5224 HMA Pavement 4 LT 58-28 S	10,946.000 TON	_____.	_____.
0102	460.5424 HMA Pavement 4 LT 58-28 H	5,582.000 TON	_____.	_____.
0104	460.6223 HMA Pavement 3 MT 58-28 S	9,593.000 TON	_____.	_____.
0106	460.6224 HMA Pavement 4 MT 58-28 S	5,402.000 TON	_____.	_____.
0108	465.0105 Asphaltic Surface	7,203.000 TON	_____.	_____.
0110	465.0120 Asphaltic Surface Driveways and Field Entrances	297.000 TON	_____.	_____.
0112	465.0125 Asphaltic Surface Temporary	2,217.000 TON	_____.	_____.
0114	465.0315 Asphaltic Flumes	593.000 SY	_____.	_____.
0116	465.0400 Asphaltic Shoulder Rumble Strips	70,800.000 LF	_____.	_____.
0118	502.0100 Concrete Masonry Bridges	1,553.000 CY	_____.	_____.
0120	502.3200 Protective Surface Treatment	2,333.000 SY	_____.	_____.
0122	502.3210 Pigmented Surface Sealer	325.000 SY	_____.	_____.
0124	503.0137 Prestressed Girder Type I 36W-Inch	325.000 LF	_____.	_____.
0126	503.0155 Prestressed Girder Type I 54W-Inch	1,846.000 LF	_____.	_____.
0128	504.0900 Concrete Masonry Endwalls	53.000 CY	_____.	_____.
0130	505.0400 Bar Steel Reinforcement HS Structures	28,570.000 LB	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0132	505.0600 Bar Steel Reinforcement HS Coated Structures	224,280.000 LB	_____.	_____.
0134	505.0800.S Bar Steel Reinforcement HS Stainless Structures	1,600.000 LB	_____.	_____.
0136	506.2605 Bearing Pads Elastomeric Non-Laminated	42.000 EACH	_____.	_____.
0138	506.4000 Steel Diaphragms (structure) 01. B-20-0205	4.000 EACH	_____.	_____.
0140	506.4000 Steel Diaphragms (structure) 02. B-20-0218	28.000 EACH	_____.	_____.
0142	509.5100.S Polymer Overlay	505.000 SY	_____.	_____.
0144	511.1100 Temporary Shoring	3,200.000 SF	_____.	_____.
0146	513.7016 Railing Steel Type C3 01. B-20-0215	142.000 LF	_____.	_____.
0148	516.0500 Rubberized Membrane Waterproofing	80.000 SY	_____.	_____.
0150	520.1012 Apron Endwalls for Culvert Pipe 12-Inch	6.000 EACH	_____.	_____.
0152	520.1018 Apron Endwalls for Culvert Pipe 18-Inch	9.000 EACH	_____.	_____.
0154	520.1024 Apron Endwalls for Culvert Pipe 24-Inch	126.000 EACH	_____.	_____.
0156	520.1030 Apron Endwalls for Culvert Pipe 30-Inch	14.000 EACH	_____.	_____.
0158	520.1036 Apron Endwalls for Culvert Pipe 36-Inch	16.000 EACH	_____.	_____.
0160	520.1042 Apron Endwalls for Culvert Pipe 42-Inch	10.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0162	520.1054 Apron Endwalls for Culvert Pipe 54-Inch	14.000 EACH	_____.	_____.
0164	520.2024 Culvert Pipe Temporary 24-Inch	1,604.000 LF	_____.	_____.
0166	520.3142 Culvert Pipe Class III 42-Inch	71.000 LF	_____.	_____.
0168	520.3154 Culvert Pipe Class III 54-Inch	173.000 LF	_____.	_____.
0170	520.3318 Culvert Pipe Class III-A 18-Inch	576.000 LF	_____.	_____.
0172	520.3324 Culvert Pipe Class III-A 24-Inch	3,218.000 LF	_____.	_____.
0174	520.3330 Culvert Pipe Class III-A 30-Inch	433.000 LF	_____.	_____.
0176	520.3336 Culvert Pipe Class III-A 36-Inch	398.000 LF	_____.	_____.
0178	520.4142 Culvert Pipe Class IV 42-Inch	208.000 LF	_____.	_____.
0180	520.4154 Culvert Pipe Class IV 54-Inch	87.000 LF	_____.	_____.
0182	520.4160 Culvert Pipe Class IV 60-Inch	142.000 LF	_____.	_____.
0184	520.8000 Concrete Collars for Pipe	19.000 EACH	_____.	_____.
0186	521.1735 Apron Endwalls for Pipe Arch Sloped Side Drains Steel 35x24-Inch 6 to 1	2.000 EACH	_____.	_____.
0188	521.2005.S Surface Drain Pipe Corrugated Metal Slotted (inch) 01. 18-Inch	835.000 LF	_____.	_____.
0190	521.3735 Pipe Arch Corrugated Steel 35x24-Inch	38.000 LF	_____.	_____.
0192	522.0112 Culvert Pipe Reinforced Concrete Class III 12-Inch	99.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200310018 Project(s): 1440-15-72, 1440-15-73

Federal ID(s): N/A, WISC 2020109

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0194	522.0118 Culvert Pipe Reinforced Concrete Class III 18-Inch	142.000 LF	_____.	_____.
0196	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	2,898.000 LF	_____.	_____.
0198	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch	943.000 LF	_____.	_____.
0200	522.0136 Culvert Pipe Reinforced Concrete Class III 36-Inch	628.000 LF	_____.	_____.
0202	522.0142 Culvert Pipe Reinforced Concrete Class III 42-Inch	149.000 LF	_____.	_____.
0204	522.0148 Culvert Pipe Reinforced Concrete Class III 48-Inch	200.000 LF	_____.	_____.
0206	522.0154 Culvert Pipe Reinforced Concrete Class III 54-Inch	906.000 LF	_____.	_____.
0208	522.0424 Culvert Pipe Reinforced Concrete Class IV 24-Inch	650.000 LF	_____.	_____.
0210	522.0430 Culvert Pipe Reinforced Concrete Class IV 30-Inch	282.000 LF	_____.	_____.
0212	522.0436 Culvert Pipe Reinforced Concrete Class IV 36-Inch	203.000 LF	_____.	_____.
0214	522.0460 Culvert Pipe Reinforced Concrete Class IV 60-Inch	382.000 LF	_____.	_____.
0216	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	8.000 EACH	_____.	_____.
0218	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	36.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0220	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	10.000 EACH	_____.	_____.
0222	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	6.000 EACH	_____.	_____.
0224	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	1.000 EACH	_____.	_____.
0226	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	2.000 EACH	_____.	_____.
0228	522.1054 Apron Endwalls for Culvert Pipe Reinforced Concrete 54-Inch	3.000 EACH	_____.	_____.
0230	522.2319 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	521.000 LF	_____.	_____.
0232	522.2324 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	190.000 LF	_____.	_____.
0234	522.2338 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	104.000 LF	_____.	_____.
0236	522.2419 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	63.000 LF	_____.	_____.
0238	522.2424 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	62.000 LF	_____.	_____.
0240	522.2619 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	17.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0242	522.2624 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	10.000 EACH	_____.	_____.
0244	522.2638 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 38x60-Inch	8.000 EACH	_____.	_____.
0246	524.0142 Culvert Pipe Salvaged 42-Inch	40.000 LF	_____.	_____.
0248	524.0154 Culvert Pipe Salvaged 54-Inch	24.000 LF	_____.	_____.
0250	524.0642 Apron Endwalls for Culvert Pipe Salvaged 42-Inch	2.000 EACH	_____.	_____.
0252	524.0654 Apron Endwalls for Culvert Pipe Salvaged 54-Inch	1.000 EACH	_____.	_____.
0254	550.1100 Piling Steel HP 10-Inch X 42 Lb	1,910.000 LF	_____.	_____.
0256	601.0405 Concrete Curb & Gutter 18-Inch Type A	430.000 LF	_____.	_____.
0258	601.0411 Concrete Curb & Gutter 30-Inch Type D	3,790.000 LF	_____.	_____.
0260	601.0413 Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	368.000 LF	_____.	_____.
0262	601.0553 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	2,860.000 LF	_____.	_____.
0264	601.0555 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	2,172.000 LF	_____.	_____.
0266	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	5,944.000 LF	_____.	_____.
0268	601.0580 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	600.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0270	601.0600 Concrete Curb Pedestrian	85.000 LF	_____.	_____.
0272	602.0405 Concrete Sidewalk 4-Inch	14,515.000 SF	_____.	_____.
0274	602.0505 Curb Ramp Detectable Warning Field Yellow	364.000 SF	_____.	_____.
0276	603.8000 Concrete Barrier Temporary Precast Delivered	700.000 LF	_____.	_____.
0278	603.8125 Concrete Barrier Temporary Precast Installed	700.000 LF	_____.	_____.
0280	604.0500 Slope Paving Crushed Aggregate	855.000 SY	_____.	_____.
0282	606.0100 Riprap Light	1,134.000 CY	_____.	_____.
0284	606.0200 Riprap Medium	2,046.000 CY	_____.	_____.
0286	606.0300 Riprap Heavy	327.000 CY	_____.	_____.
0288	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	1,142.000 LF	_____.	_____.
0290	611.0535 Manhole Covers Type J-Special	1.000 EACH	_____.	_____.
0294	611.0615 Inlet Covers Type F	18.000 EACH	_____.	_____.
0296	611.0624 Inlet Covers Type H	12.000 EACH	_____.	_____.
0298	611.0627 Inlet Covers Type HM	8.000 EACH	_____.	_____.
0300	611.0636 Inlet Covers Type HM-S	4.000 EACH	_____.	_____.
0302	611.0642 Inlet Covers Type MS	70.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0304	611.0652 Inlet Covers Type T	4.000 EACH	_____.	_____.
0306	611.2005 Manholes 5-FT Diameter	1.000 EACH	_____.	_____.
0308	611.2006 Manholes 6-FT Diameter	2.000 EACH	_____.	_____.
0310	611.3004 Inlets 4-FT Diameter	15.000 EACH	_____.	_____.
0312	611.3230 Inlets 2x3-FT	16.000 EACH	_____.	_____.
0314	611.3253 Inlets 2.5x3-FT	11.000 EACH	_____.	_____.
0316	611.3902 Inlets Median 2 Grate	33.000 EACH	_____.	_____.
0318	611.3904 Inlets Median 4 Grate	1.000 EACH	_____.	_____.
0320	612.0204 Pipe Underdrain Unperforated 4-Inch	1,473.000 LF	_____.	_____.
0322	612.0406 Pipe Underdrain Wrapped 6-Inch	536.000 LF	_____.	_____.
0324	612.0700 Drain Tile Exploration	100.000 LF	_____.	_____.
0326	612.0804 Apron Endwalls for Underdrain Reinforced Concrete 4-Inch	77.000 EACH	_____.	_____.
0328	614.0150 Anchor Assemblies for Steel Plate Beam Guard	8.000 EACH	_____.	_____.
0330	614.0200 Steel Thrie Beam Structure Approach	92.000 LF	_____.	_____.
0332	614.0220 Steel Thrie Beam Bullnose Terminal	1.000 EACH	_____.	_____.
0334	614.0305 Steel Plate Beam Guard Class A	596.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0336	614.0370 Steel Plate Beam Guard Energy Absorbing Terminal	4.000 EACH	_____.	_____.
0338	614.0905 Crash Cushions Temporary	4.000 EACH	_____.	_____.
0340	614.2300 MGS Guardrail 3	100.000 LF	_____.	_____.
0342	614.2620 MGS Guardrail Terminal Type 2	8.000 EACH	_____.	_____.
0344	616.0100 Fence Woven Wire (height) 01. 4-Ft	70,665.000 LF	_____.	_____.
0346	618.0100 Maintenance And Repair of Haul Roads (project) 01. 1440-15-72	1.000 EACH	_____.	_____.
0348	618.0100 Maintenance And Repair of Haul Roads (project) 02. 1440-15-73	1.000 EACH	_____.	_____.
0350	619.1000 Mobilization	1.000 EACH	_____.	_____.
0352	620.0300 Concrete Median Sloped Nose	319.000 SF	_____.	_____.
0354	623.0200 Dust Control Surface Treatment	45,420.000 SY	_____.	_____.
0356	624.0100 Water	4,938.000 MGAL	_____.	_____.
0358	625.0500 Salvaged Topsoil	998,676.000 SY	_____.	_____.
0360	627.0200 Mulching	852,790.000 SY	_____.	_____.
0362	628.1104 Erosion Bales	500.000 EACH	_____.	_____.
0364	628.1504 Silt Fence	34,558.000 LF	_____.	_____.
0366	628.1520 Silt Fence Maintenance	16,961.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0368	628.1905 Mobilizations Erosion Control	33.000 EACH	_____.	_____.
0370	628.1910 Mobilizations Emergency Erosion Control	19.000 EACH	_____.	_____.
0372	628.2004 Erosion Mat Class I Type B	209,427.000 SY	_____.	_____.
0374	628.2006 Erosion Mat Urban Class I Type A	67,600.000 SY	_____.	_____.
0376	628.2008 Erosion Mat Urban Class I Type B	4,290.000 SY	_____.	_____.
0378	628.2027 Erosion Mat Class II Type C	24,500.000 SY	_____.	_____.
0380	628.6510 Soil Stabilizer Type B	7.000 ACRE	_____.	_____.
0382	628.7005 Inlet Protection Type A	79.000 EACH	_____.	_____.
0384	628.7015 Inlet Protection Type C	30.000 EACH	_____.	_____.
0386	628.7020 Inlet Protection Type D	23.000 EACH	_____.	_____.
0388	628.7504 Temporary Ditch Checks	5,911.000 LF	_____.	_____.
0390	628.7515.S Stone or Rock Ditch Checks	19.000 CY	_____.	_____.
0392	628.7555 Culvert Pipe Checks	786.000 EACH	_____.	_____.
0394	628.7560 Tracking Pads	15.000 EACH	_____.	_____.
0396	628.7570 Rock Bags	235.000 EACH	_____.	_____.
0398	629.0210 Fertilizer Type B	696.000 CWT	_____.	_____.
0400	630.0120 Seeding Mixture No. 20	16,298.000 LB	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0402	630.0130 Seeding Mixture No. 30	7,105.000 LB	_____.	_____.
0404	630.0140 Seeding Mixture No. 40	82.000 LB	_____.	_____.
0406	630.0200 Seeding Temporary	25,333.000 LB	_____.	_____.
0408	630.0300 Seeding Borrow Pit	1,200.000 LB	_____.	_____.
0410	630.0500 Seed Water	2,672.000 MGAL	_____.	_____.
0412	633.0100 Delineator Posts Steel	182.000 EACH	_____.	_____.
0414	633.0500 Delineator Reflectors	182.000 EACH	_____.	_____.
0416	633.1100 Delineators Temporary	134.000 EACH	_____.	_____.
0418	633.5200 Markers Culvert End	189.000 EACH	_____.	_____.
0420	634.0614 Posts Wood 4x6-Inch X 14-FT	217.000 EACH	_____.	_____.
0422	634.0616 Posts Wood 4x6-Inch X 16-FT	157.000 EACH	_____.	_____.
0424	634.0618 Posts Wood 4x6-Inch X 18-FT	16.000 EACH	_____.	_____.
0426	634.0620 Posts Wood 4x6-Inch X 20-FT	6.000 EACH	_____.	_____.
0428	635.0200 Sign Supports Structural Steel HS	5,252.000 LB	_____.	_____.
0430	636.0100 Sign Supports Concrete Masonry	8.800 CY	_____.	_____.
0432	636.0500 Sign Supports Steel Reinforcement	1,288.000 LB	_____.	_____.
0434	637.1220 Signs Type I Reflective SH	550.000 SF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0436	637.2210 Signs Type II Reflective H	3,961.870 SF	_____.	_____.
0438	637.2220 Signs Type II Reflective SH	20.250 SF	_____.	_____.
0440	637.2230 Signs Type II Reflective F	273.750 SF	_____.	_____.
0442	638.2602 Removing Signs Type II	107.000 EACH	_____.	_____.
0444	638.3000 Removing Small Sign Supports	113.000 EACH	_____.	_____.
0446	642.5201 Field Office Type C	1.000 EACH	_____.	_____.
0448	643.0300 Traffic Control Drums	504,026.000 DAY	_____.	_____.
0450	643.0420 Traffic Control Barricades Type III	119,382.000 DAY	_____.	_____.
0452	643.0705 Traffic Control Warning Lights Type A	234,664.000 DAY	_____.	_____.
0454	643.0715 Traffic Control Warning Lights Type C	10,235.000 DAY	_____.	_____.
0456	643.0800 Traffic Control Arrow Boards	94.000 DAY	_____.	_____.
0458	643.0900 Traffic Control Signs	187,905.000 DAY	_____.	_____.
0460	643.0920 Traffic Control Covering Signs Type II	8.000 EACH	_____.	_____.
0462	643.1050 Traffic Control Signs PCMS	259.000 DAY	_____.	_____.
0464	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0466	645.0111 Geotextile Type DF Schedule A	258.000 SY	_____.	_____.
0468	645.0120 Geotextile Type HR	5,512.000 SY	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0470	645.0130 Geotextile Type R	6,918.000 SY	_____.	_____.
0472	645.0140 Geotextile Type SAS	90.000 SY	_____.	_____.
0474	646.1020 Marking Line Epoxy 4-Inch	72,698.000 LF	_____.	_____.
0476	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	103,504.000 LF	_____.	_____.
0478	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	12,787.000 LF	_____.	_____.
0480	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	16,590.000 LF	_____.	_____.
0482	646.6220 Marking Yield Line Epoxy 18-Inch	4.000 EACH	_____.	_____.
0484	646.6320 Marking Dotted Extension Epoxy 18-Inch	115.000 LF	_____.	_____.
0486	646.7120 Marking Diagonal Epoxy 12-Inch	1,213.000 LF	_____.	_____.
0488	646.7220 Marking Chevron Epoxy 24-Inch	1,496.000 LF	_____.	_____.
0490	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	305.000 LF	_____.	_____.
0492	646.8120 Marking Curb Epoxy	480.000 LF	_____.	_____.
0494	646.8220 Marking Island Nose Epoxy	10.000 EACH	_____.	_____.
0496	646.8320 Marking Parking Stall Epoxy	1,512.000 LF	_____.	_____.
0498	649.0105 Temporary Marking Line Paint 4-Inch	92,195.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0500	649.0150 Temporary Marking Line Removable Tape 4-Inch	11,674.000 LF	_____.	_____.
0502	649.0760 Temporary Marking Raised Pavement Marker Type I	357.000 EACH	_____.	_____.
0504	650.4000 Construction Staking Storm Sewer	36.000 EACH	_____.	_____.
0506	650.4500 Construction Staking Subgrade	85,947.000 LF	_____.	_____.
0508	650.5000 Construction Staking Base	85,947.000 LF	_____.	_____.
0510	650.5500 Construction Staking Curb Gutter and Curb & Gutter	16,231.000 LF	_____.	_____.
0512	650.6000 Construction Staking Pipe Culverts	113.000 EACH	_____.	_____.
0514	650.6500 Construction Staking Structure Layout (structure) 01. B-20-0205	LS	LUMP SUM	_____.
0516	650.6500 Construction Staking Structure Layout (structure) 02. B-20-0215	LS	LUMP SUM	_____.
0518	650.6500 Construction Staking Structure Layout (structure) 03. B-20-0218	LS	LUMP SUM	_____.
0520	650.7000 Construction Staking Concrete Pavement	43,772.000 LF	_____.	_____.
0522	650.8000 Construction Staking Resurfacing Reference	8,264.000 LF	_____.	_____.
0524	650.9910 Construction Staking Supplemental Control (project) 01. 1440-15-72	LS	LUMP SUM	_____.
0526	650.9910 Construction Staking Supplemental Control (project) 02. 1440-15-73	LS	LUMP SUM	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0528	650.9920 Construction Staking Slope Stakes	85,947.000 LF	_____.	_____.
0530	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	6,840.000 LF	_____.	_____.
0532	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	590.000 LF	_____.	_____.
0534	652.0615 Conduit Special 3-Inch	1,180.000 LF	_____.	_____.
0536	653.0164 Pull Boxes Non-Conductive 24x42-Inch	53.000 EACH	_____.	_____.
0538	654.0105 Concrete Bases Type 5	31.000 EACH	_____.	_____.
0540	654.0220 Concrete Control Cabinet Bases Type 10	5.000 EACH	_____.	_____.
0542	655.0610 Electrical Wire Lighting 12 AWG	5,250.000 LF	_____.	_____.
0544	655.0615 Electrical Wire Lighting 10 AWG	33,310.000 LF	_____.	_____.
0546	656.0200 Electrical Service Meter Breaker Pedestal (location) 01. Loehr Rd & STH 23	LS	LUMP SUM	_____.
0548	656.0200 Electrical Service Meter Breaker Pedestal (location) 02. Seven Hills Road & STH 23	LS	LUMP SUM	_____.
0550	656.0200 Electrical Service Meter Breaker Pedestal (location) 03. Park & Ride	LS	LUMP SUM	_____.
0552	656.0200 Electrical Service Meter Breaker Pedestal (location) 04. CTH G & EB STH 23	LS	LUMP SUM	_____.
0554	656.0200 Electrical Service Meter Breaker Pedestal (location) 05. CTH G & WB STH 23	LS	LUMP SUM	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0556	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	31.000 EACH	_____.	_____.
0558	657.0322 Poles Type 5-Aluminum	31.000 EACH	_____.	_____.
0560	657.0710 Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	35.000 EACH	_____.	_____.
0562	659.1115 Luminaires Utility LED A	35.000 EACH	_____.	_____.
0564	690.0150 Sawing Asphalt	10,000.000 LF	_____.	_____.
0566	715.0415 Incentive Strength Concrete Pavement	42,300.000 DOL	1.00000	42,300.00
0568	715.0502 Incentive Strength Concrete Structures	9,318.000 DOL	1.00000	9,318.00
0570	715.0710 Optimized Aggregate Gradation Incentive	130,160.000 DOL	1.00000	130,160.00
0572	740.0440 Incentive IRI Ride	33,160.000 DOL	1.00000	33,160.00
0574	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,100.000 HRS	5.00000	10,500.00
0576	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	5,760.000 HRS	5.00000	28,800.00
0578	SPV.0005 Special 01. Select Clearing And Grubbing	0.500 ACRE	_____.	_____.
0580	SPV.0005 Special 02. Preparation Of Upland Topsoil	8.200 ACRE	_____.	_____.
0582	SPV.0035 Special 01. Roadway Embankment	841,568.000 CY	_____.	_____.
0584	SPV.0035 Special 02. Foundation Backfill	697.000 CY	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0586	SPV.0035 Special 03. Excavation Common Mitigation Site	301,702.000 CY	_____.	_____.
0588	SPV.0060 Special 01. Temporary Slope Drain	8.000 EACH	_____.	_____.
0590	SPV.0060 Special 02. Temporary Stone Ditch Checks	15.000 EACH	_____.	_____.
0592	SPV.0060 Special 03. Temporary Sand Bag Dike	5.000 EACH	_____.	_____.
0594	SPV.0060 Special 07. Vertical Impact Recovery Panels	40.000 EACH	_____.	_____.
0596	SPV.0060 Special 08. Vertical Impact Recovery Panel Bases	40.000 EACH	_____.	_____.
0598	SPV.0060 Special 09. Gates Wood Double Leaf 20-Foot	2.000 EACH	_____.	_____.
0600	SPV.0085 Special 01. Seeding Upland Buffer	350.000 LB	_____.	_____.
0602	SPV.0085 Special 02. Seeding Wet Meadow And Shallow Marsh Mix	250.000 LB	_____.	_____.
0604	SPV.0085 Special 03. Low Maintenance Seed Mix	18.000 LB	_____.	_____.
0606	SPV.0090 Special 01. Fence Chain Link Polymer-Coated 6-Ft	530.000 LF	_____.	_____.
0608	SPV.0090 Special 02. Removing Centerline Rumble Strips	30,900.000 LF	_____.	_____.
0610	SPV.0090 Special 03. Relapping Steel Plate Beam Guard	484.000 LF	_____.	_____.
0612	SPV.0090 Special 04. Concrete Barrier Temporary Precast Anchoring	400.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0614	SPV.0090 Special 05. Concrete Curb & Gutter 30-Inch Type D Reinforced	140.000 LF	_____.	_____.
0616	SPV.0105 Special 01. Construction Staking Wetland Site	LS	LUMP SUM	_____.
0618	SPV.0105 Special 02. Temporary Bypass Channel, STA 572+65	LS	LUMP SUM	_____.
0620	SPV.0105 Special 03. Temporary Bypass Channel, STA 588+75 - STA 603+07	LS	LUMP SUM	_____.
0622	SPV.0165 Special 01. Concrete Sidewalk 6-Inch Reinforced	690.000 SF	_____.	_____.
0624	SPV.0180 Special 02. Salvaged Topsoil 12-Inch	240,500.000 SY	_____.	_____.
0626	SPV.0180 Special 03. Salvaged Topsoil Over Riprap	2,465.000 SY	_____.	_____.
0628	201.0115 Clearing	0.600 ACRE	_____.	_____.
0630	201.0215 Grubbing	0.600 ACRE	_____.	_____.
0632	210.1500 Backfill Structure Type A	1,512.000 TON	_____.	_____.
0634	614.0230 Steel Thrie Beam	184.000 LF	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

