

# HIGHWAY WORK PROPOSAL

Wisconsin Department of Transportation  
DT1502 01/2020 s.66.0901(7) Wis. Stats

Proposal Number: **037**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Bayfield	8150-00-70	N/A	Hayward - Brule; Ounce River Bridge B-04-0125	STH 027

## 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: \$40,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: March 14, 2023 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code
Contract Completion Time 75 Working Days	<b>SAMPLE NOT FOR BIDDING PURPOSES</b>
Assigned Disadvantaged Business Enterprise Goal 0%	This contract is exempt from federal oversight.

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

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

Subscribed and sworn to before me this date \_\_\_\_\_

\_\_\_\_\_  
(Signature, Notary Public, State of Wisconsin)

\_\_\_\_\_  
(Bidder Signature)

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

\_\_\_\_\_  
(Print or Type Bidder Name)

\_\_\_\_\_  
(Date Commission Expires)

\_\_\_\_\_  
(Bidder Title)

Notary Seal

<b>Type of Work:</b> Base, Concrete Pavement, Asphaltic Surface, Beam Guard, Pavement Marking, Bridge Replacement.	<b>For Department Use Only</b>
Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH  
PROPOSAL GUARANTY HERE**

## PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

## BID PREPARATION

### Preparing the Proposal Schedule of Items

#### A. General

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

<https://wisconsin.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](http://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://wisconsin.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

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

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

## B. Submitting Electronic Bids

### B.1 On the Internet

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

#### **B 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)



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

### Instructions for Certification

1. By signing and submitting this proposal, the prospective contractor is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective contractor shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective contractor to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department determined to enter into this transaction. If it is later determined that the contractor knowingly rendered an erroneous certification in addition to other remedies available to the Federal Government the department may terminate this transaction for cause or default.
4. The prospective contractor shall provide immediate written notice to the department to whom this proposal is submitted if at any time the prospective contractor learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective contractor agrees by submitting this proposal that, should this contract be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department entering into this transaction.
7. The prospective contractor further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," which is included as an addendum to PR- 1273 - "Required Contract Provisions Federal Aid Construction Contracts," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. The contractor may rely upon a certification of a prospective subcontractor/materials supplier that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A contractor may decide the method and frequency by which it determines the eligibility of its principals. Each contractor may, but is not required to, check the Disapproval List (telephone # 608/266/1631).

9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a contractor in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department may terminate this transaction for cause or default.

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

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

## Special Provisions

### Table of Contents

<b>Article</b>	<b>Description</b>	<b>Page #</b>
1.	General.....	2
2.	Scope of Work.....	2
3.	Prosecution and Progress.....	2
4.	Traffic.....	3
5.	Holiday and Special Event Work Restrictions.....	4
6.	Utilities.....	4
7.	Information to Bidders, U.S. Army Corps of Engineers Section 404 Permit.....	4
8.	Environmental Protection, Aquatic Exotic Species Control.....	5
9.	Erosion Control Structures.....	5
10.	Notice to Contractor – Creosote Lumber.....	6
11.	Construction Over or Adjacent to Navigable Waters.....	6
12.	Erosion Control Structures.....	6
13.	Notice to Contractor, Notification of Demolition and/or Renovation No Asbestos Found.....	6
14.	Select Borrow, Item 208.1100.....	7
15.	Installing and Maintaining Bird Deterrent System Sta 360+50, Item 999.2000.S.....	7

## STSP'S Revised June 28, 2022

### SPECIAL PROVISIONS

#### 1. General.

Perform the work under this construction contract for Project 8150-00-70, Hayward – Brule, Ounce River Bridge B-04-0125, STH 27, Bayfield 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, 2023 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 (20220628)

#### 2. Scope of Work.

The work under this contract shall consist of Removing Old Structure, Structure Excavation, Concrete Masonry Structures, Asphaltic Surface, Beamguard, striping 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 10 calendar days after the engineer issues a written notice to do so.

Provide the time frame for construction of the project within the 2023 construction season to the engineer in writing within a month after executing the contract but at least 14 calendar days before the preconstruction conference. Assure that the time frame is consistent with the contract completion time. Upon approval, the engineer will issue the notice to proceed within ten calendar days before the beginning of the approved time frame.

To revise the time frame, submit a written request to the engineer at least two weeks before the beginning of the intended time frame. 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.

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.

#### Migratory Birds

Swallow or other migratory bird nests have been observed on or under the existing structure(s). 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 from May 1 to August 31.

See below for information on affected structure(s). As a last resort, apply for a depredation permit from the US Fish and Wildlife Service for work that may disturb or destroy active nests. The need for a permit may be avoided by removing the existing bridge structure prior to nest occupation by birds or clearing nests from all structures before the nests become active in early spring.

Either prevent active nests from becoming established or prevent birds from nesting by installing and/or maintaining one suitable deterrent device on the following structure(s) prior to nesting activity under the bid item Installing and Maintaining Bird Deterrent System:

- Station 360+50

Working days will not be assessed for placement of deterrent systems.

## **Fish Spawning**

There shall be no instream disturbance of Ounce River at Station 360+50 as a result of construction activity under or for this contract, from September 15 to May 15, both dates inclusive, in order to avoid adverse impacts upon the spawning of trout.

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.

## **Wood Turtle**

Turtle Fencing as shown in the plans is needed when working within 200ft of the Ounce River and must be installed no later than May 19<sup>th</sup>, and maintained until October 15<sup>th</sup>, to avoid adverse impacts upon the foraging and nesting of Wood Turtles.

Instream work and drawdowns during the maximum overwintering period (October 1 – April 30) is not allowed. In stream work includes, but is not limited to, streambank/rip rap installation, ford installations, open cut trenching, and dredging.

Project personnel (individuals on site for project purposes rather than for the purpose of looking for turtles) must move any turtles observed on site out of harm's way.

All Rip Rap installed above the ordinary high-water mark will be backfilled with Base Aggregate Dense ¾-Inch.

## **Northern Long-eared Bat (*Myotis septentrionalis*)**

Northern long-eared bats (NLEB) have the potential to inhabit the project limits because they roost in trees, bridges and culverts. 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).

Ensure all operators, employees, and subcontractors working in areas of known or presumed bat habitat are aware of environmental commitments and avoidance and minimization measures (AMMs) to protect both bats and their habitat.

Direct temporary lighting, if used, away from wooded areas during the bat active season April 1 to October 31, both dates inclusive.

If additional construction activities beyond what was originally specified are required to complete the work, approval from the engineer, following coordination with WisDOT REC, is required prior to initiating these activities. If trees with a 3-inch or greater diameter at breast height (dbh) need to be removed, no tree clearing shall occur without prior approval from the engineer, following coordination with the WisDOT REC. Tree removal will require consultation with the United States Fish and Wildlife Service (USFWS) and may require a bat presence/absence or visual emergency survey. Notify the engineer if tree 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.

## **4. Traffic.**

This special provision describes providing for STH 27 traffic during construction operations. STH 27 shall be open to a single lane of traffic during construction operations. The project will be constructed under traffic with the use of temporary traffic signals for bridges. Complete the construction staging operations as shown in the plan or as directed by the department engineer.

## **Access**

Do not store vehicles, equipment, or materials on adjacent or intersecting streets beyond the project limits without specific approval of the engineer. Always Maintain emergency vehicle access to all properties.

## 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**

<b>Closure type with height, weight, or width restrictions (available width, all lanes in one direction &lt; 16')</b>	<b>MINIMUM NOTIFICATION</b>
Lane and shoulder closures	7 calendar days
Full roadway closures	7 calendar days
Ramp closures	7 calendar days
Detours	7 calendar days
<b>Closure type without height, weight, or width restrictions (available width, all lanes in one direction ≥ 16')</b>	<b>MINIMUM NOTIFICATION</b>
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.

### 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 27 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 and special event periods:

- From noon Friday, May 26, 2023 to 6:00 AM Tuesday, May 30, 2023 for Memorial Day;
- From noon Friday, June 30, 2023 to 6:00 AM Wednesday, July 5, 2023 for Independence Day;
- From noon Friday, September 1, 2023 to 6:00 AM Tuesday, September 5, 2023 for Labor Day.

stp-107-005 (20210113)

### 6. Utilities.

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

stp-107-065 (20080501)

**Norvado** (COMLN) has facilities in the project area. No conflicts are anticipated.

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

The department has assumed coverage under the U.S. Army Corps of Engineers Section 404 Transportation Regional General Permit (TRGP). The department has determined that a pre-construction notification (permit application) to U.S. Army Corps of Engineers and their written verification of TRGP coverage is not necessary for this project.

A copy of the Section 404 Transportation Regional General Permit can be obtained on USACE's website: [https://www.mvp.usace.army.mil/Portals/57/docs/regulatory/RGP/Transportation\\_RGP.pdf?ver=2018-02-22-093530-183](https://www.mvp.usace.army.mil/Portals/57/docs/regulatory/RGP/Transportation_RGP.pdf?ver=2018-02-22-093530-183)



If the contractor requires work outside the proposed slope intercepts, based on their method of operation to construct the project, it is the contractor's responsibility to determine whether a pre-construction notification (permit application) and written verification from U.S. Army Corps of Engineers under the Section 404 Transportation Regional General permit is required. If written verification under the TRGP is necessary, submit a pre-construction notification to U.S. Army Corps of Engineers and obtain written verification of permit coverage prior to beginning construction operations requiring the permit. No time extensions as discussed in standard spec 108.10 will be granted for the time required to apply for and obtain the written verification of permit coverage. The contractor must be aware that the U.S. Army Corps of Engineers may not grant the permit request.

stp-107-054 (20230113)

## **8. Environmental Protection, Aquatic Exotic Species Control.**

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

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

Ensure that all equipment that has been in contact with waters of the state, or with infested or potentially infested waters, has been decontaminated for aquatic plant materials and zebra mussels before being used in other waters of the state. Before using equipment on this project, thoroughly disinfect all equipment that has come into contact with potentially infested waters. Guidelines from the Wisconsin Department of Natural Resources for disinfection are available at:

<http://dnr.wi.gov/topic/invasives/disinfection.html>

Use the following inspection and removal procedures:

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

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

stp-107-055 (20130615)

## **9. Erosion Control Structures.**

Within three calendar days after completing the excavation for a substructure unit, place riprap or other permanent erosion control items required by the contract or deemed necessary by the engineer around the unit at a minimum to a height equivalent to the calculated water elevation resulting from a storm that occurs on the average of once every two years (Q2) as shown on the plan, or as the engineer directs.

In the event that construction activity does not disturb the existing ground below the Q2 elevation, the above timing requirements for permanent erosion control shall be waived.

stp-107-070 (20191121)

#### **10. Notice to Contractor – Creosote Lumber.**

The Wisconsin Department of Natural Resources requires proper disposal of the creosote timbers that will result from the removal of Structure B-4-10. Proper disposal includes, but is not limited to, land filling or use as landscape timbers. Under no circumstances should this material be burned or buried on site. Beneficial re-use of this material is an option, and the contractor may contact Shawn Haseleu at the WDNR Spooner, WI Region Headquarters for additional information on disposal options.

Disposal shall be incidental to 'Removing old structure over waterway with minimal debris.

stp-107-130 (20220628)

#### **11. Construction Over or Adjacent to Navigable Waters.**

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

stp-107-060 (20171130)

#### **12. Erosion Control Structures.**

Within three calendar days after completing the excavation for a substructure unit, place riprap or other permanent erosion control items required by the contract or deemed necessary by the engineer around the unit at a minimum to a height equivalent to the calculated water elevation resulting from a storm that occurs on the average of once every two years (Q2) as shown on the plan, or as the engineer directs.

In the event that construction activity does not disturb the existing ground below the Q2 elevation, the above timing requirements for permanent erosion control shall be waived.

stp-107-070 (20191121)

#### **13. Notice to Contractor, Notification of Demolition and/or Renovation No Asbestos Found.**

Tom Perkins, License Number All-252595, inspected Structure B-4-10 for asbestos on September 16, 2019. No Regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is included with the bid package or available from Matt Dickenson, [matthew.dickenson@dot.wi.gov](mailto:matthew.dickenson@dot.wi.gov), (715) 395-3022.

According to NR447 and DHS159, ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 03/20), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days before beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to Matt Dickenson, [matthew.dickenson@dot.wi.gov](mailto:matthew.dickenson@dot.wi.gov), (715) 395-3022 and via e-mail to [dothazmatunit@dot.wi.gov](mailto:dothazmatunit@dot.wi.gov) or via U.S. mail to DOT BTS-ESS attn: Hazardous Materials Specialist, 5 South, S.513.12, PO Box 7965, Madison, WI 53707-7965. In addition, comply with all local or municipal asbestos requirements.

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

- Site Name: Structure B-4-010, STH 27 over Ounce River
- Site Address: Barnes Township, Bayfield County
- Ownership Information: Wisconsin Department of Transportation, 1701 N. 4<sup>th</sup> St., Superior, WI 54880 (715) 392-7988
- Contact: Matt Dickenson
- Phone: (715) 395-3022
- Age: 46 years old. This structure was constructed in 1977.
- Area: 900 SF of deck

Insert the following paragraph in Section 6.g.:

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

stp-107-125 (20220628)

**14. Select Borrow, Item 208.1100.**

Conform to standard spec 208 as modified in this special provision.

**Material**

Furnish and use material that consists of granular material meeting the following requirements: granular backfill grade 2, conforming to standard spec 209.2.2.

stp-208-005 (20031103)

**15. Installing and Maintaining Bird Deterrent System Sta 360+50, Item 999.2000.S.**

**A Description**

This special provision describes inspecting, installing and/or maintaining approved deterrents that prevent migratory bird nesting on bridges and culverts. Swallows or other migratory birds' nests have been observed on or under the existing culvert or bridge at the station identified. All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act.

**B Materials**

**B.1 Hardware and Lumber**

Pressure treated lumber shall conform to the requirements of standard spec 507.

Hardware and fastening devices shall be either galvanized or stainless steel. Fastening device and system must be approved by the engineer prior to installation on culverts and bridges that will remain in service after removal of deterrent systems. The method of fastening should not compromise the culvert or bridge concrete surfaces or steel protection systems. The attachment locations must be restored and repaired as needed by use of engineer approved fillers, sealers and paint systems.

**B.2 Netting Materials**

Exclusion netting is material either wrapped around or draped and fastened to bridge decks/abutments and culvert corners to prevent bird entry.

Furnish exclusionary netting to deter nesting in bridge decks and abutments and corners of box culverts, consisting of either:

- a. 1/2" x 1/2" or 3/4" x 3/4" knotless, flame resistant, U.V. stabilized polyethylene netting with minimum 40-pound breaking strength per strand, or engineer proved equal.
- b. Galvanized wire mesh (hardware cloth) with a wire diameter of .040 inches (19-gauge) and opening width of 1/2-inch.

Furnish 1" x 2" pressure treated lumber of equal length as the netting.

**B.3 Plastic Strip Curtain**

Plastic strip curtains are strips of plastic attached to vertical surfaces in areas suitable for nesting.

Furnish 3-foot wide lengths of 6 mil minimum plastic sheeting with the lower 2 feet cut into vertical strips 2 inches wide.

Furnish 1" x 2" treated wood and galvanized staples to attach plastic strips to wood to fabricate the strip curtain.

Furnish concrete screws to attach strip curtain to structure.

## **B.4 Corner Slope Materials**

Corner slopes are pieces of curved plastic placed in corners suitable for nesting. They are particularly effective in preventing nesting in top corners of box culverts.

Furnish U.V. stabilized pre-fabricated PVC or polycarbonate corner slopes from commercial bird-deterrent manufacturers or an approved equal.

## **C Construction**

### **C.1 General**

If active nests are observed after construction starts, or if a trapped bird or an active nest is found, stop work that may affect birds or their nests, and notify the engineer to consult with the Wisconsin Department of Natural Resources transportation liaison, Shawn Haseleu at (715) 635-4228, or the department regional environmental coordinator, Aaron Gustafson at (715) 392-7972.

Efforts should be made to release trapped birds, unharmed.

### **C.2 Nest Removal**

Remove unoccupied nests prior to the beginning of the nesting season as designated in Prosecution and Progress. Nest removal involves the removal and disposal of unoccupied or partially constructed nests without eggs or nestlings. Removing all evidence of nesting (e.g., cleaning droppings from structures) eliminates a visual cue for a potential breeding location, especially for first-time breeders. Nest removal is not a type of deterrent and does not prevent nest establishment but can delay the process. As such, it should only be used in conjunction with other methods. It cannot be used on its own to ensure compliance. However, nest removal is not required if deterrents are installed before the start of the avoidance window.

Remove nests on the structure by scraping or pressure washing prior to established avoidance windows to deter nesting. Remove only unoccupied or partially constructed nests without eggs or nestlings. Remove newly built nests every two days before eggs are laid. Nest removal is intended to be used prior to and in conjunction with other nesting deterrents.

### **C.3 Exclusion Netting**

#### **C.3.1 Installation**

Using concrete screws, anchor lumber to bridge or culvert along perimeter of intended netting. Fasten netting to lumber until netting is held taut. Eliminate any loose pockets or wrinkles that could trap and entangle birds. Ensure the net is pulled taut in order to prevent flapping in the wind, which results in tangles or breakage at mounting points.

For culverts, attach netting at a 45-degree angle at the culvert corner so it extends at least 12" below the corner.

### **C.4 Plastic Curtains**

#### **C.4.1 Installation**

Attach plastic curtains along the entire length of vertical surface or corner on which nest building is to be deterred. Affix plastic curtain strips to treated lumber with staples spaced a minimum of 1 foot O.C. Wrap plastic curtains around lumber prior to attaching it to the structure to reduce the likelihood of it tearing out at the staples. Screw lumber into the underside of the bridge deck or top of box culvert with concrete screws placed 24-inches O.C. minimum.

### **C.5 Corner Slopes**

#### **C.5.1 Installation**

Attach corner slopes to the structure per the manufacturer's recommendations. Use urethane-based adhesives if manufacturer supplied hardware or adhesives are not available or no recommendations are provided. Install end caps or seal ends of corner slopes to prevent entry of birds or other animals.

### **C.6 Inspection and Maintenance**

Inspect bird deterrent devices every two weeks both during and prior to construction when deterrents have been installed to exclude birds prior to nesting windows, and after large storm events or high winds. Ensure that netting is taut, that no gaps or holes have formed, and that the nets are functioning properly. Ensure that corner slopes are not cracked or otherwise damaged and are functioning properly. Ensure that curtains are undamaged, with no tears, holes, or creases. Repair any damaged or loose deterrent

devices. Inspect, maintain, and repair nesting deterrents whether installed by the contractor or others. Repair, replace, supplement deterrents as necessary with materials meeting the requirements of this specification.

Remove any unoccupied or partially constructed nests without eggs or nestlings.

Repair deterrents to prevent birds from attempting to nest again.

Record all inspection, removal, and maintenance activities. Provide inspection, removal and maintenance records to the engineer upon request.

### **C.7 Removal and Structure Repair**

Maintain the deterrent until the engineer determines that the deterrent is deemed no longer necessary. Upon completion of the project, remove any remaining migratory bird deterrent from the project site. If the existing bridge or culvert is to remain after construction, restore and repair as needed by use of engineer approved fillers, sealers and paint systems.

### **D Measurement**

The department will measure Installing and Maintaining Bird Deterrent System (Station) as a single unit at each structure, acceptably completed.

### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
999.2000.S	Installing and Maintaining Bird Deterrent System Sta 360+50	EACH

Payment is full compensation for providing and installing deterrents that prevent migratory bird nesting; removing and disposing of unoccupied or partially constructed nests without eggs or nestlings; maintaining, repairing, replacing, supplementing, existing deterrent materials; repairing damage to structures resulting from installation of deterrents; removal and disposal of materials.

stp-999-200 (20210708)

## **ADDITIONAL SPECIAL PROVISION 4**

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.

### **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 is not allowed to withhold 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.

### **Acceptance and Final Payment**

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.

**Additional Special Provision 6**  
**ASP 6 - Modifications to the standard specifications**

*Make the following revisions to the standard specifications:*

**416.2.4 Concrete Pavement Repair and Replacement**

*Replace the entire text with the following effective with the November 2022 letting:*

- (1) Except as specified in 416.3.6 for inlaid rumble strips, use grade C concrete as specified in 501.
- (2) The engineer will allow the contractor to open to construction and public traffic when the concrete reaches 2000 psi.

**416.2.5 Special High Early Strength Concrete Pavement Repair and Replacement**

**416.2.5.1 Composition and Proportioning of Concrete**

*Replace paragraph one with the following effective with the November 2022 letting:*

- (1) For the concrete mixture, use a minimum of 846 pounds of cementitious material per cubic yard of concrete. The engineer will allow the contractor to open to construction and public traffic when the concrete reaches 2000 psi. The contractor may add one or a combination of admixtures to the ingredients or to the mixture in order to obtain the required minimum strength and required air content. Do not retemper the concrete mixture.

**455.2.4.3 Emulsified Asphalts**

*Replace paragraph one with the following effective with the November 2022 letting:*

- (1) Furnish material conforming, before dilution, to the following:
    - Anionic emulsified asphalts<sup>[1]</sup>..... AASHTO M140
    - Cationic emulsified asphalts<sup>[1]</sup> ..... AASHTO M208
    - Polymer-modified cationic emulsified asphalts ..... AASHTO M316
- <sup>[1]</sup> Non-tracking emulsified asphalts shall conform to TABLE 455-1 for the type and grade specified.

**TABLE 455-1 Requirements for Non-Tracking Emulsified Asphalt**

PRODUCT	ANTT	CNTT
Saybolt Viscosity at 77°F (25°C), (AASHTO T 59), SFS	15-100	15-100
Paddle Viscosity at 77°F (25°C), (AASHTO T 382), cPs <sup>[1]</sup>	30-200	30-200
Storage Stability Test, 24 hr, (AASHTO T 59), %	1 max	1 max
Residue by Distillation, 500 ± 10 °F (260 ± 5 °C), or Residue by Evaporation, 325 ± 5 °F (163 ± 3 °C), (AASHTO T 59), %	50 min	50 min
Sieve Test, No. 20 (850 µm), (AASHTO T 59), %	0.3	0.3
Penetration at 77°F (25°C), 100 g, 5 sec, (AASHTO T 49), dmm	10-40	10-40
Ash Content, (AASHTO T 111), %	1 max	1 max
Solubility in Trichlorethylene Test, (AASHTO T 44) <sup>[2]</sup>	97.5% min	97.5% min

<sup>[1]</sup> Paddle Viscosity (AASHTO T 382) may be run in lieu of Saybolt Viscosity (AASHTO T 59).  
<sup>[2]</sup> The solubility in Trichlorethylene test (AASHTO T 44) may be run in lieu of Ash Content (AASHTO T 111).

**455.2.5 Tack Coat**

*Replace paragraph one with the following effective with the November 2022 letting:*

- (1) Under the Tack Coat bid item, furnish type SS-1h, CSS-1h, QS-1h, CQS-1h, ANTT, CNTT, or modified emulsified asphalt with an “h” suffix, unless the contract specifies otherwise.

**710.5.7 Corrective Action**

**710.5.7.1 Optimized Aggregate Gradations**

*Replace paragraph one with the following effective with the November 2022 letting:*

- (1) If the contractor's 4-point running average or a department test result of the volumetric percent retained exceeds the tarantula curve limits by less than or equal to 1.0 percent on a single sieve size, notify the other party immediately and do one of the following:
  - Perform corrective action documented in the QC plan or as the engineer approves. Continue with the following:
    1. Document and provide corrective action results to the engineer as soon as they are available.
    2. Department will conduct two tests within the next business day after corrective action is complete.
      - If blended aggregate gradations are within the tarantula curve limits by the second department test:
        - Continue with concrete production.
        - Include a break in the 4-point running average.
        - For Class I Pavements: The department will discontinue reduced frequency testing and will test at a frequency of 1 test per placement day. Once 5 consecutive samples are passing at the 1 test per placement day frequency, the reduced frequency testing will be reapplied.
      - If blended aggregate gradations are not within the tarantula curve limits by the second department test and the contract requires an optimized aggregate gradation mix under 501.2.7.4.2.1(2), stop concrete production and submit a new optimized aggregate gradation mix design.
      - If blended aggregate gradations are not within the tarantula curve limits by the second department test and the contract does not require an optimized aggregate gradation mix under 501.2.7.4.2.1(2), stop concrete production and submit either a new optimized aggregate gradation mix design or a combined aggregate gradation mix design.
  - Submit a new optimized aggregate gradation mix design and perform the following:
    1. Restart control charts for the new mix design.
    2. Amend contractor Quality Control Plan

**715.5 Payment**

*Replace the entire text with the following effective with the November 2022 letting:*

**715.5.1 General**

- (1) The department will pay incentive for concrete strength under the following bid items:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
715.0502	Incentive Strength Concrete Structures	DOL
715.0603	Incentive Strength Concrete Barrier	DOL
715.0715	Incentive Flexural Strength Concrete Pavement	DOL
715.0720	Incentive Compressive Strength Concrete Pavement	DOL

- (2) Incentive payment may be more or less than the amount the schedule of items shows.
- (3) The department will administer disincentives for strength under the Disincentive Strength Concrete Structures, Disincentive Strength Concrete Barrier, Disincentive Flexural Strength Concrete Pavement, and Disincentive Compressive Strength Concrete Pavement, administrative items.
- (4) The department will adjust pay for each lot using PWL of the 28-day subplot average strengths for that lot. The department will measure PWL relative to strength lower specification limits as follows:
  - Compressive strength of 3700 psi for pavements.
  - Flexural strength of 650 psi for pavements.
  - Compressive strength of 4000 psi for structures and barrier.
- (5) The department will not pay a strength incentive for concrete that is nonconforming in another specified property, for ancillary concrete accepted based on tests of class I concrete, or for high early strength concrete unless placed in pavement gaps as allowed under 715.3.1.2.2.
- (6) Submit test results to the department electronically using MRS software. The department will verify contractor data before determining pay adjustments.
- (7) All coring and testing costs under 715.3.2.2 including filling core holes and providing traffic control during coring are incidental to the contract.



**715.5.2 Pavements****715.5.2.1 Compressive**

- (1) The department will adjust pay for each lot using equation "QMP 3.01" as follows:

Percent within Limits (PWL)	Pay Adjustment (dollars per square yard)
$\geq 95$ to 100	$(0.1 \times \text{PWL}) - 9.5$
$\geq 85$ to $< 95$	0
$\geq 30$ to $< 85$	$(1.5/55 \times \text{PWL}) - 127.5/55$
$< 30$	-1.50

- (2) The department will not pay incentive if the lot standard deviation is greater than 400 psi compressive.
- (3) For lots with a full battery of QC tests at less than 4 locations, there is no incentive, but the department will assess a disincentive based on the individual subplot average strengths. The department will reduce pay for sublots with an average strength below 3700 psi compressive by \$1.50 per square yard.
- (4) For integral shoulder pavement and pavement gaps accepted using tests from the adjacent travel lane, the department will adjust pay using strength results of the travel lane for integrally placed concrete shoulders and pavement gaps regardless of mix design and placement method, included in a lane-foot lot.

**715.5.2.2 Flexural**

- (1) The department will adjust pay for each lot using equation "QMP 6.02" as follows:

Percent within Limits (PWL)	Pay Adjustment (dollars per square yard)
$\geq 95$ to 100	$(0.2 \times \text{PWL}) - 19$
$\geq 85$ to $< 95$	0
$\geq 50$ to $< 85$	$(2.0/35 \times \text{PWL}) - 170/35$
$< 50$	-2.00

- (2) The department will not pay incentive if the lot standard deviation is greater than 60 psi flexural.
- (3) For lots with a full battery of QC tests at less than 4 locations, there is no incentive, but the department will assess a disincentive based on the individual subplot average strengths. The department will reduce pay for sublots with an average strength below 650 psi flexural by \$2.00 per square yard.
- (4) For integral shoulder pavement and pavement gaps accepted using tests from the adjacent travel lane, the department will adjust pay using strength results of the travel lane for integrally placed concrete shoulders and pavement gaps regardless of mix design and placement method, included in a lane-foot lot.

**715.5.3 Structures and Cast-in-Place Barrier**

- (1) The department will adjust pay for each lot using equation "QMP 2.01" as follows:

Percent within Limits (PWL)	Pay Adjustment (dollars per square yard)
$\geq 99$ to 100	10
$\geq 90$ to $< 99$	0
$\geq 50$ to $< 90$	$(7/8 \times \text{PWL}) - 78.75$
$< 50$	-35

- (2) The department will not pay incentive if the lot standard deviation is greater than 350 psi.
- (3) For lots with less than 4 sublots, there is no incentive, but the department will assess a disincentive based on the individual subplot average strengths. The department will reduce pay for sublots with an average strength below 4000 psi by \$35 per cubic yard.

## ADDITIONAL SPECIAL PROVISION 7

### A. Reporting 1<sup>st</sup> 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. DBE firms must enter all payments to DBE and non-DBE firms regardless of tier.
6. 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).
7. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4), (5), and (6), and shall be binding on all first tier subcontractor relationships, all contractors and subcontractors utilizing DBE firms on the project, and all payments from DBE firms.

### 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](mailto: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](mailto: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>

## 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).

## BUY AMERICA PROVISION

Buy America (as documented in M-22-11 from the Office of Management and Budget: <https://www.whitehouse.gov/wp-content/uploads/2022/04/M-22-11.pdf>) shall be domestic products and permanently incorporated in this project as classified in the following three categories, and as noted in the Construction and Materials Manual (CMM):

### 1. Iron and Steel

All iron and steel manufacturing and coating processes (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 the iron and steel manufacturing and coating processes Buy America 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.

### 2. Manufactured Product

All manufactured products (as defined in CMM 228.5) are covered under a previous waiver from 1983, and are currently exempt from Buy America.

### 3. Construction Material

All construction materials (as defined in OMB M-22-11 and as referenced in CMM 228.5) must comply with Buy America. No exemptions (0.0%) are allowed.

The contractor shall take actions and provide documentation conforming to CMM 228.5 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 DT4567 that all iron and steel, manufactured products, and construction materials conform to this Buy America provision.

Form DT4567 is available at: <https://wisconsin.gov/Documents/formdocs/dt4567.docx>

Attach a list of iron or steel exemptions and their associated costs to the certification form.



Proposal Schedule of Items

Proposal ID: 20230314037 Project(s): 8150-00-70

Federal ID(s): N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0205 Grubbing	7.000 STA	_____.	_____.
0004	203.0260 Removing Structure Over Waterway Minimal Debris (structure) 01. B-54-10	1.000 EACH	_____.	_____.
0006	204.0115 Removing Asphaltic Surface Butt Joints	334.000 SY	_____.	_____.
0008	204.0120 Removing Asphaltic Surface Milling	1,404.000 SY	_____.	_____.
0010	204.0165 Removing Guardrail	466.000 LF	_____.	_____.
0012	206.1001 Excavation for Structures Bridges (structure) 01. B-04-125	1.000 EACH	_____.	_____.
0014	208.1100 Select Borrow	32.000 CY	_____.	_____.
0016	210.1500 Backfill Structure Type A	368.000 TON	_____.	_____.
0018	213.0100 Finishing Roadway (project) 01. 8150- 00-70	1.000 EACH	_____.	_____.
0020	305.0110 Base Aggregate Dense 3/4-Inch	55.000 TON	_____.	_____.
0022	305.0120 Base Aggregate Dense 1 1/4-Inch	40.000 TON	_____.	_____.
0024	415.0060 Concrete Pavement 6-Inch	27.000 SY	_____.	_____.
0026	415.0410 Concrete Pavement Approach Slab	80.000 SY	_____.	_____.
0028	455.0605 Tack Coat	152.000 GAL	_____.	_____.
0030	465.0105 Asphaltic Surface	283.000 TON	_____.	_____.
0032	465.0310 Asphaltic Curb	32.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230314037 Project(s): 8150-00-70

Federal ID(s): N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0034	465.0315 Asphaltic Flumes	12.000 SY	_____.	_____.
0036	502.0100 Concrete Masonry Bridges	198.000 CY	_____.	_____.
0038	502.3200 Protective Surface Treatment	252.000 SY	_____.	_____.
0040	502.3210 Pigmented Surface Sealer	87.000 SY	_____.	_____.
0042	503.0128 Prestressed Girder Type I 28-Inch	464.000 LF	_____.	_____.
0044	505.0400 Bar Steel Reinforcement HS Structures	4,730.000 LB	_____.	_____.
0046	505.0600 Bar Steel Reinforcement HS Coated Structures	20,840.000 LB	_____.	_____.
0048	505.0904 Bar Couplers No. 4	205.000 EACH	_____.	_____.
0050	505.0906 Bar Couplers No. 6	52.000 EACH	_____.	_____.
0052	506.2605 Bearing Pads Elastomeric Non-Laminated	16.000 EACH	_____.	_____.
0054	506.4000 Steel Diaphragms (structure) 01. B-04-125	7.000 EACH	_____.	_____.
0056	511.1200 Temporary Shoring (structure) 01. B-04-125	545.000 SF	_____.	_____.
0058	514.0445 Floor Drains Type GC 01. Modified	2.000 EACH	_____.	_____.
0060	514.2625 Downspout 6-Inch	6.000 LF	_____.	_____.
0062	516.0500 Rubberized Membrane Waterproofing	22.000 SY	_____.	_____.
0064	550.1100 Piling Steel HP 10-Inch X 42 Lb	560.000 LF	_____.	_____.





Proposal Schedule of Items

Proposal ID: 20230314037 Project(s): 8150-00-70

Federal ID(s): N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0066	603.8000 Concrete Barrier Temporary Precast Delivered	400.000 LF	_____.	_____.
0068	603.8125 Concrete Barrier Temporary Precast Installed	800.000 LF	_____.	_____.
0070	603.8505 Anchoring Concrete Barrier Temporary Precast on Bridge Decks	50.000 LF	_____.	_____.
0072	606.0300 Riprap Heavy	335.000 CY	_____.	_____.
0074	612.0406 Pipe Underdrain Wrapped 6-Inch	160.000 LF	_____.	_____.
0076	614.0010 Barrier System Grading Shaping Finishing	4.000 EACH	_____.	_____.
0078	614.0150 Anchor Assemblies for Steel Plate Beam Guard	4.000 EACH	_____.	_____.
0080	614.2300 MGS Guardrail 3	352.000 LF	_____.	_____.
0082	614.2500 MGS Thrie Beam Transition	156.000 LF	_____.	_____.
0084	614.2610 MGS Guardrail Terminal EAT	4.000 EACH	_____.	_____.
0086	618.0100 Maintenance And Repair of Haul Roads (project) 01. 8150-00-70	1.000 EACH	_____.	_____.
0088	619.1000 Mobilization	1.000 EACH	_____.	_____.
0090	624.0100 Water	5.000 MGAL	_____.	_____.
0092	625.0500 Salvaged Topsoil	640.000 SY	_____.	_____.
0094	627.0200 Mulching	640.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230314037 Project(s): 8150-00-70

Federal ID(s): N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0096	628.1104 Erosion Bales	6.000 EACH	_____.	_____.
0098	628.1504 Silt Fence	1,294.000 LF	_____.	_____.
0100	628.1520 Silt Fence Maintenance	1,294.000 LF	_____.	_____.
0102	628.1905 Mobilizations Erosion Control	1.000 EACH	_____.	_____.
0104	628.1910 Mobilizations Emergency Erosion Control	1.000 EACH	_____.	_____.
0106	628.6005 Turbidity Barriers	150.000 SY	_____.	_____.
0108	629.0210 Fertilizer Type B	0.400 CWT	_____.	_____.
0110	630.0110 Seeding Mixture No. 10	4.000 LB	_____.	_____.
0112	630.0200 Seeding Temporary	6.000 LB	_____.	_____.
0114	630.0500 Seed Water	20.000 MGAL	_____.	_____.
0116	634.0616 Posts Wood 4x6-Inch X 16-FT	8.000 EACH	_____.	_____.
0118	638.2102 Moving Signs Type II	6.000 EACH	_____.	_____.
0120	638.3000 Removing Small Sign Supports	8.000 EACH	_____.	_____.
0122	642.5201 Field Office Type C	1.000 EACH	_____.	_____.
0124	643.0300 Traffic Control Drums	1,560.000 DAY	_____.	_____.
0126	643.0420 Traffic Control Barricades Type III	60.000 DAY	_____.	_____.
0128	643.0715 Traffic Control Warning Lights Type C	960.000 DAY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230314037 Project(s): 8150-00-70

Federal ID(s): N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0130	643.0900 Traffic Control Signs	2,760.000 DAY	_____.	_____.
0132	643.3105 Temporary Marking Line Paint 4-Inch	1,262.000 LF	_____.	_____.
0134	643.3850 Temporary Marking Stop Line Removable Tape 18-Inch	48.000 LF	_____.	_____.
0136	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0138	645.0111 Geotextile Type DF Schedule A	82.000 SY	_____.	_____.
0140	645.0120 Geotextile Type HR	422.000 SY	_____.	_____.
0142	646.1020 Marking Line Epoxy 4-Inch	2,800.000 LF	_____.	_____.
0144	646.9000 Marking Removal Line 4-Inch	400.000 LF	_____.	_____.
0146	650.6501 Construction Staking Structure Layout (structure) 01. B-4-125	1.000 EACH	_____.	_____.
0148	650.9911 Construction Staking Supplemental Control (project) 01. 8150-00-70	1.000 EACH	_____.	_____.
0150	661.0101 Temporary Traffic Signals for Bridges (structure) 01. B-4-125	1.000 EACH	_____.	_____.
0152	690.0150 Sawing Asphalt	128.000 LF	_____.	_____.
0154	715.0502 Incentive Strength Concrete Structures	1,188.000 DOL	1.00000	1,188.00
0156	715.0720 Incentive Compressive Strength Concrete Pavement	24.000 DOL	1.00000	24.00
0158	999.2000.S Installing and Maintaining Bird Deterrent System (station) 01. 360+50	1.000 EACH	_____.	_____.



Proposal Schedule of Items

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Proposal ID: 20230314037 Project(s): 8150-00-70

Federal ID(s): N/A

Section: 0001

Total: \_\_\_\_\_.

Total Bid: \_\_\_\_\_.



**PLEASE ATTACH ADDENDA HERE**



# Wisconsin Department of Transportation

## Division of Transportation Systems Development

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> Floor South  
Madison, WI 53705

Telephone: (608) 266-1631  
Facsimile (FAX): (608) 266-8459

March 1, 2023

### NOTICE TO ALL CONTRACTORS:

**Proposal #37: 8150-00-70  
Hayward – Brule  
Ounce River Bridge B-04-0125  
STH 27  
Bayfield County**

### Letting of March 14, 2023

This is Addendum No. 01, which provides for the following:

#### Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
31 - 44	SDD – Concrete Barrier Temporary Precast, 12'-6"

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

END OF ADDENDUM

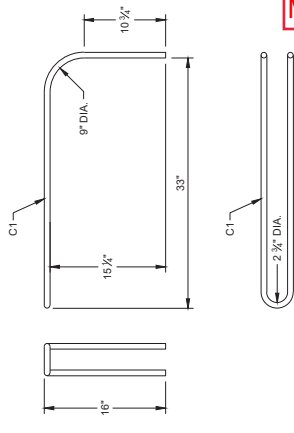
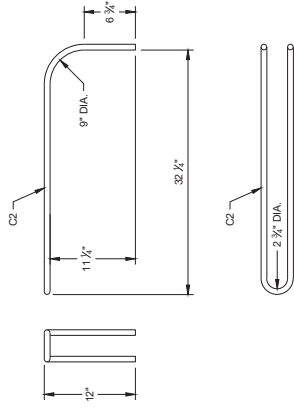
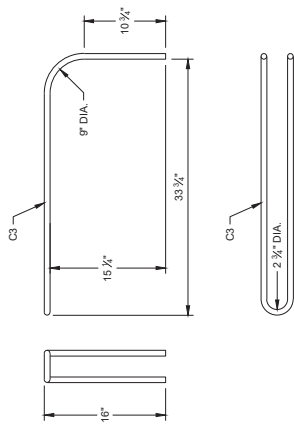
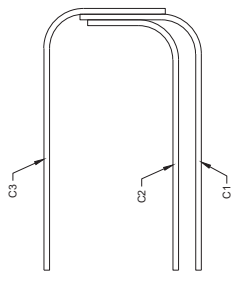
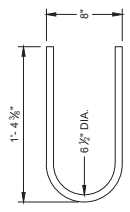
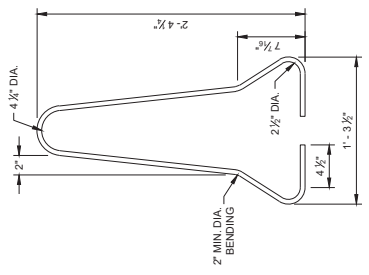


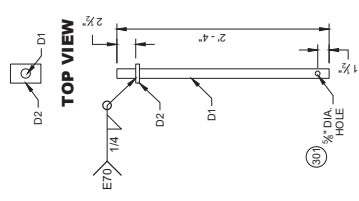


CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"

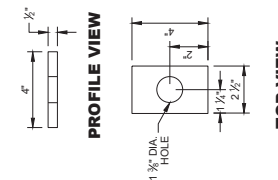
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

Addendum No. 01  
ID 8150-00-70  
Revised Sheet 32  
March 1, 2023

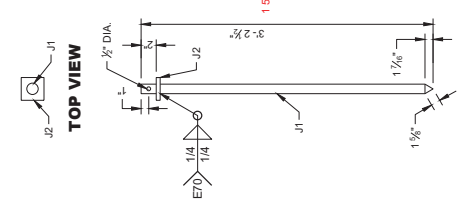




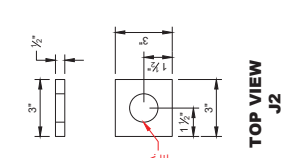
**PROFILE VIEW  
CONNECTOR PIN  
ASSEMBLY**



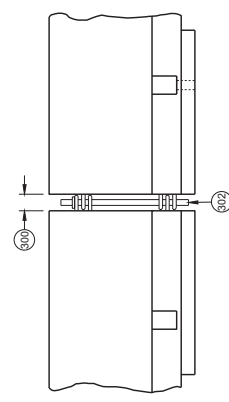
**TOP VIEW  
D2**



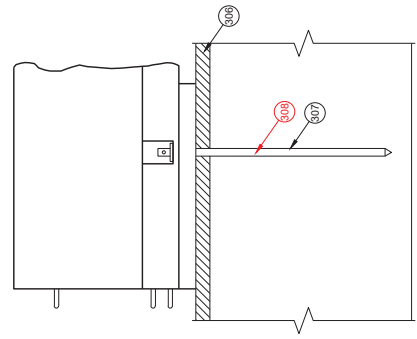
**PROFILE VIEW  
ASPHALT ANCHOR PIN  
ASSEMBLY**



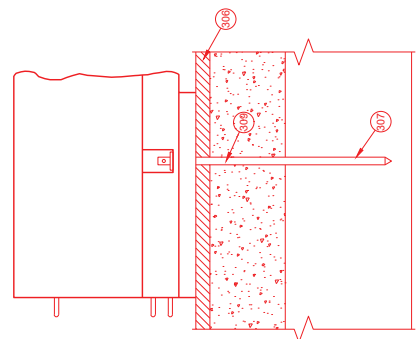
**TOP VIEW  
J2**



**CONNECTING TEMPORARY  
BARRIER SECTIONS**

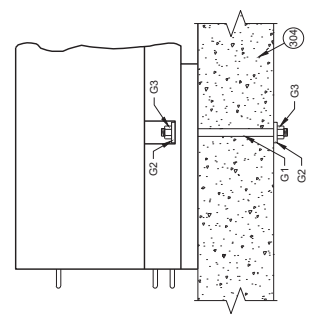


**SIDE VIEW  
ASPHALT ANCHOR  
INSTALLATION  
THROUGH  
ASPHALT PAVEMENT**

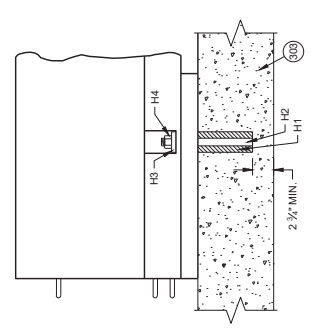


**SIDE VIEW  
ASPHALT ANCHOR  
INSTALLATION  
THROUGH  
ASPHALT OVERLAY  
ON TOP OF  
CONCRETE PAVEMENT**

- GENERAL NOTES**
- 300 SET WITH 3/4" WOOD BLOCK.
  - 301 HOLE IS OPTIONAL.
  - 302 CONNECTOR PIN ASSEMBLY.
  - 303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.
  - 304 CONCRETE DECK.
  - 305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.
  - 306 MINIMUM OF 2" OF ASPHALT.
  - 307 ASPHALT ANCHOR PIN ASSEMBLY.
  - 308 IF DRILLING A PILOT HOLE, THE MAX. DIA. OF THE HOLE IS 3/4".
  - 309 WHEN THERE IS ASPHALT OVERLAYING CONCRETE PAVEMENT, A 1 5/8" DIA. PILOT HOLE CAN BE DRILLED INTO THE OVERLAY AND CONCRETE. IF NEEDED DRILL A 3/4" PILOT HOLE IN BASE COURSE.



**SIDE VIEW  
THROUGH BOLT ANCHOR  
INSTALLATION**

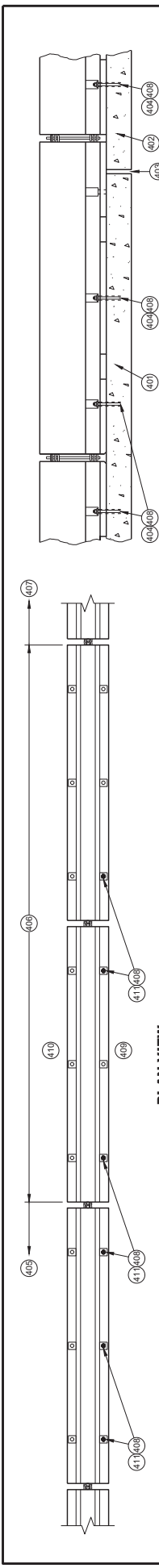


**SIDE VIEW  
ADHESIVE ANCHOR  
INSTALLATION**

Addendum No. 01  
ID 8150-00-70  
Revised Sheet 33  
March 1, 2023

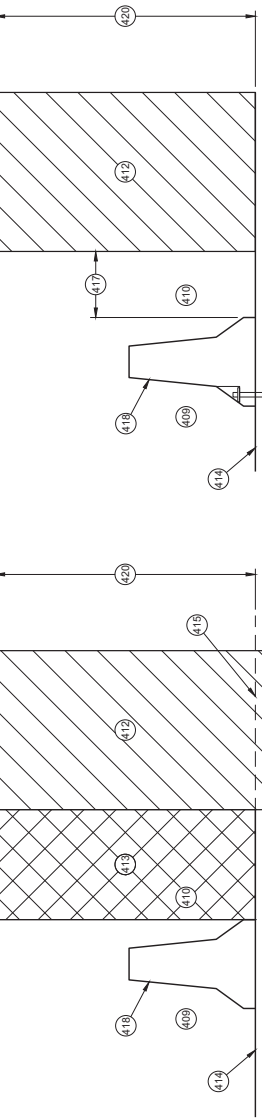
**CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



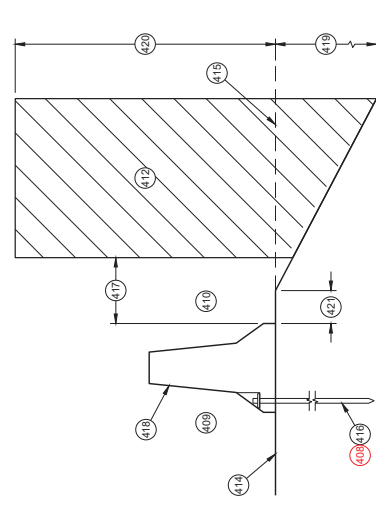
PLAN VIEW  
TRANSITION FROM FREE STANDING TO ANCHORED BARRIER

PROFILE VIEW  
ANCHORED BARRIER NEAR EXPANSION JOINT

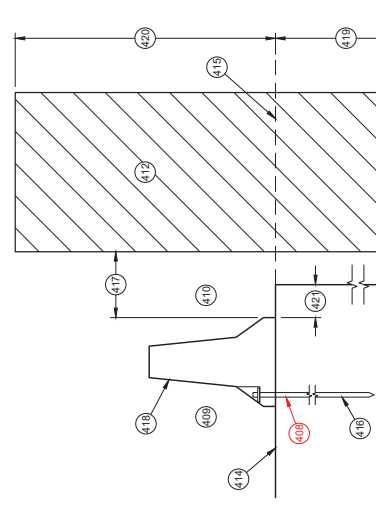


CROSS SECTION  
FREE STANDING BARRIER

CROSS SECTION  
ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION  
ANCHORED BARRIER FOR OBJECTS ABOVE  
THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION  
ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

- 400 NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. THE ANCHOR ROD SHALL BE PLACED IN THE CONCRETE DECK AND THE APPROACH SLAB WITH THE DETAIL NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.
- 401 CONCRETE DECK
- 402 CONCRETE DECK OR APPROACH SLAB
- 403 EXPANSION JOINT
- 404 ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.
- 405 ANCHORED TEMPORARY BARRIER
- 406 TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING
- 407 FREE STANDING BARRIER
- 408 REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH PAVEMENTS WITH ASTM D3960 TYPE I RUBBERIZED CRACK FILLER.
- 409 TRAFFIC SIDE
- 410 NON-TRAFFIC SIDE
- 411 ANCHOR LOCATION. SEE ANCHORING DETAILS.
- 412 WORK AREA
- 413 AREA FREE OF OBJECTS AND WORKERS
- 414 GRADE LINE
- 415 EXTENDED GRADE LINE
- 416 ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.
- 417 WHEN OBJECT'S EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.
- 418 OBJECTS ARE NOT TO BE PLACED ON, IN CONTACT TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.
- 419 DEPTHS OF 3 FEET OR MORE.
- 420  $Y = 6.5'$
- 421 OFFSET FROM BACK OF BARRIER EDGE:  
CONCRETE PAVEMENT 1.0'  
ASPHALT 0.5'
- 422 POSTED SPEED (MPH):  
4.0' NUMBER  
40 OR LOWER 2.0'

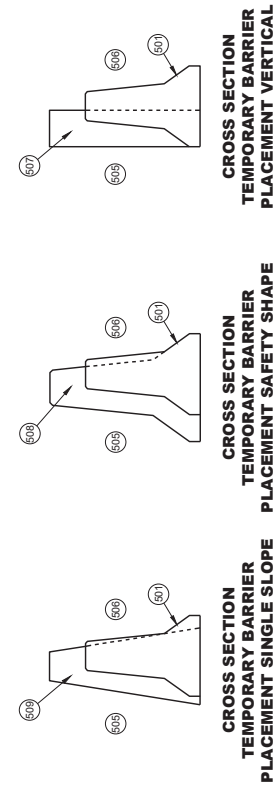
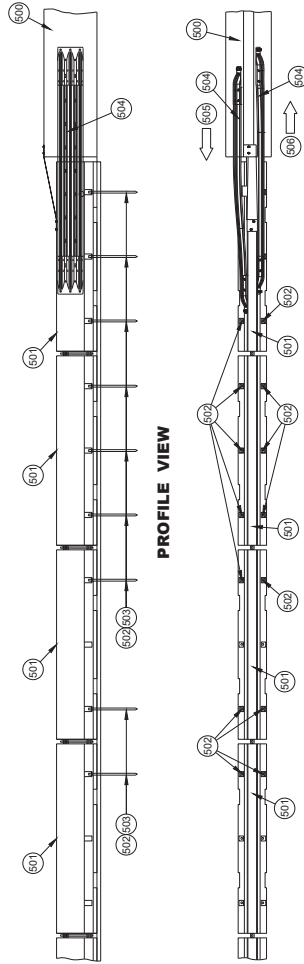
Addendum No. 01  
 ID 8150-00-70  
 Revised Sheet 34  
 March 1, 2023

CONCRETE BARRIER  
 TEMPORARY PRECAST,  
 12' - 6"

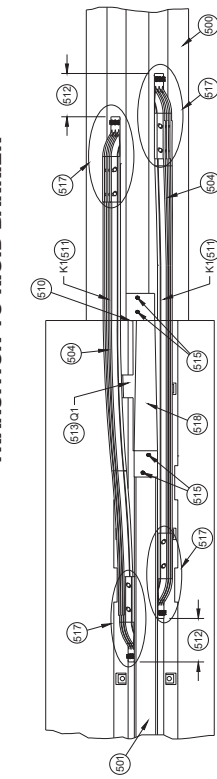
STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

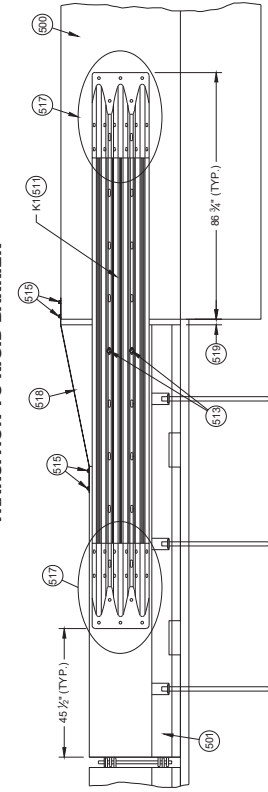
- 600 EXISTING RIGID BARRIERS (VARIES)
- 601 TEMPORARY BARRIER
- 602 SEE OTHER DETAIL ON HOW TO ANCHOR TEMPORARY BARRIER (BARRIER ASPHALT ANCHOR SHOWN).
- 603 ANCHORS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER.
- 604 NESTED RAILS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.
- 605 TRAFFIC TRAVELS FROM PERMANENT BARRIER TO TEMPORARY BARRIER.
- 606 TRAFFIC TRAVELS FROM TEMPORARY BARRIER TO PERMANENT BARRIER.
- 607 VERTICAL BARRIER
- 608 SAFETY SHAPE BARRIER
- 609 SINGLE SLOPE BARRIER
- 610 CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF RIGID BARRIER.
- 611 BENT THRIE BEAM TO FIT.
- 612 THRIE BEAM PIECES ARE OFFSET 15'; TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
- 613 TWO (2) P1, P2 AND P3 ARE REQUIRED
- 614 FIVE (5) N1, N2 AND N3 ARE REQUIRED
- 615 TWO (2) R1, R2 AND R3 ARE REQUIRED
- 616 CUT WOOD BLOCK TO FIT.
- 617 SEE THREE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.
- 618 CAP ASSEMBLY
- 619 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.
- 620 ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



**PLAN VIEW**  
**TRANSITION TO RIGID BARRIER**

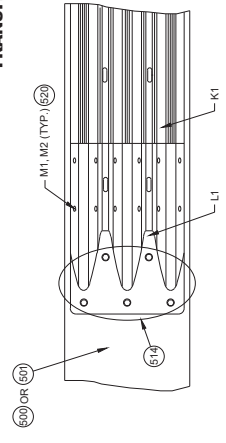


**PLAN DETAIL VIEW**  
**TRANSITION TO RIGID BARRIER**

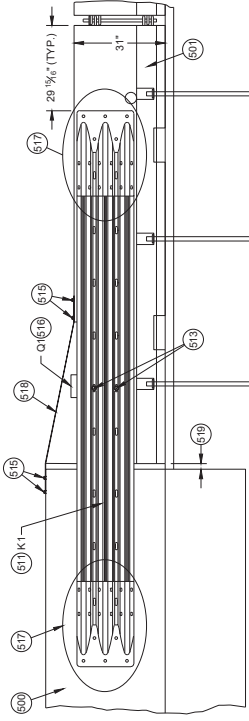


**FRONT DETAIL VIEW**  
**TRANSITION TO RIGID BARRIER**

**THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY**



**BACK DETAIL VIEW**  
**TRANSITION TO RIGID BARRIER**



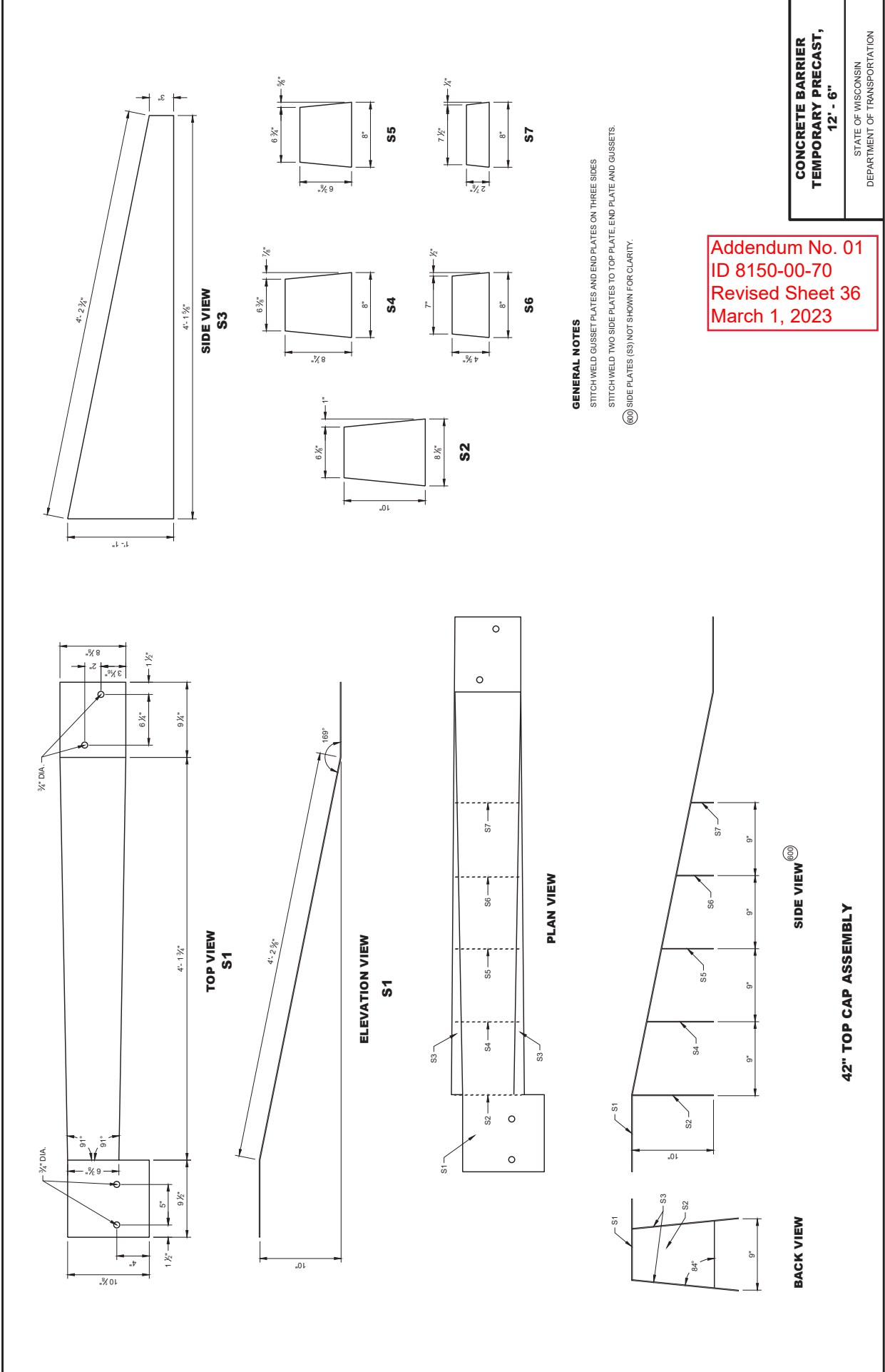
Addendum No. 01  
ID 8150-00-70  
Revised Sheet 35  
March 1, 2023

**CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

**CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"**

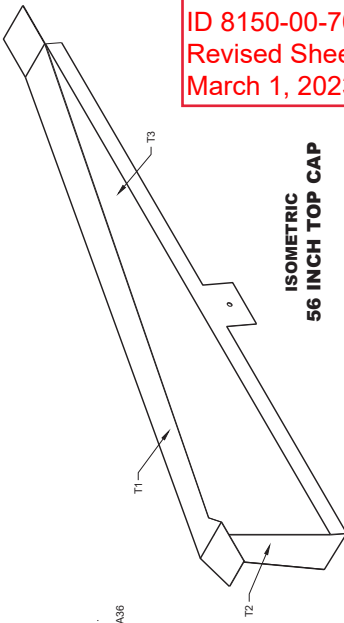
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



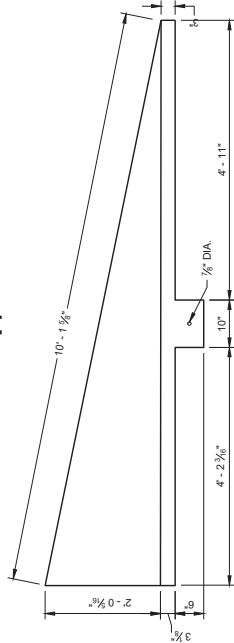
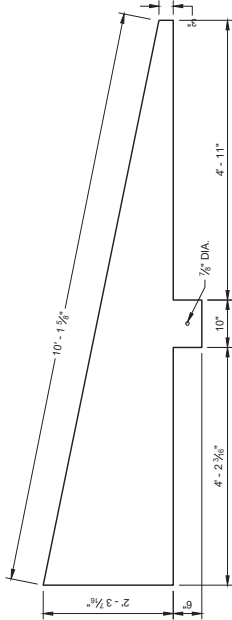
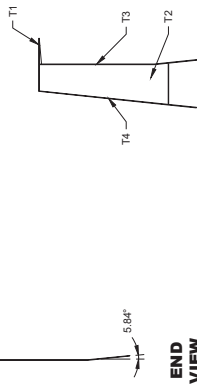
Addendum No. 01  
ID 8150-00-70  
Revised Sheet 36  
March 1, 2023

Addendum No. 01  
ID 8150-00-70  
Revised Sheet 37  
March 1, 2023

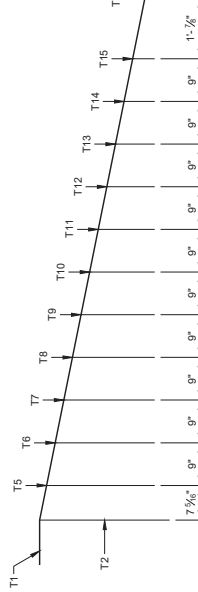
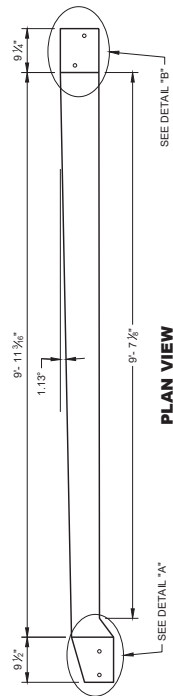
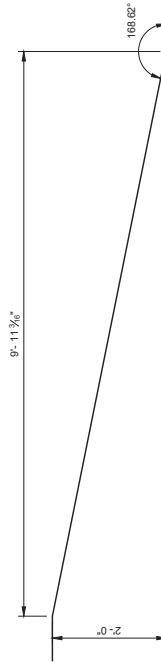
- GENERAL NOTES**
- STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES.
  - STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.
  - SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.
  - ⑦⑦⑦ SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



**END VIEW**

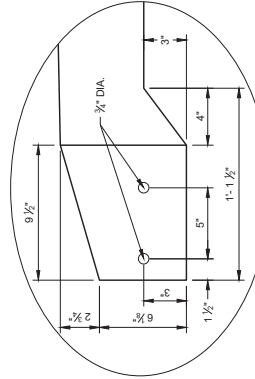


**END VIEW**

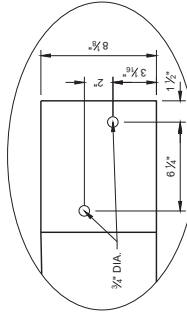


**SIDE VIEW**  
**56 INCH TOP CAP**  
⑦⑦⑦

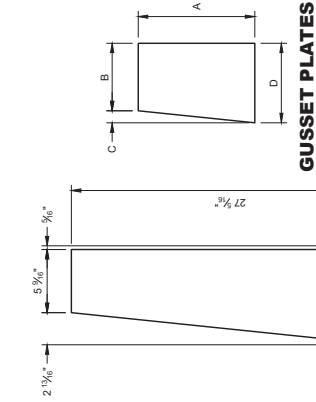
**END VIEW**  
**56 INCH TOP CAP**



**DETAIL "A"**



**DETAIL "B"**



**GUSSET PLATES**  
**T5 - T16**

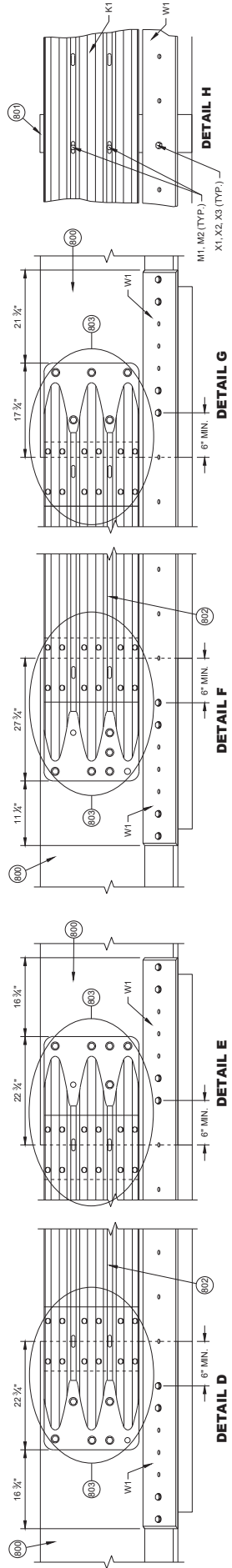
GUSSET NO.	GUSSET DIMENSIONS			
	A	B	C	D
T5	22 3/8"	5 7/8"	2 3/8"	8 3/8"
T6	21"	5 1/2"	2 3/8"	8 3/8"
T7	19 3/4"	6 5/8"	1 13/16"	8 3/8"
T8	17 7/8"	6 1/4"	1 13/16"	8 3/8"
T9	15 3/8"	6 5/8"	1 1/8"	8 3/8"
T10	13 3/4"	6 3/4"	1 1/8"	8 3/8"
T11	11 1/8"	6 3/4"	1 1/2"	8 3/8"
T12	10 1/8"	7"	1 1/8"	8 3/8"
T13	8 3/8"	7 3/8"	1 1/8"	8 3/8"
T14	6 5/8"	7 3/4"	1 3/8"	8 3/8"
T15	4 1/8"	7 3/8"	1 1/2"	8"
T16	2 1/8"	7 3/4"	1 1/2"	8"

CONCRETE BARRIER  
TEMPORARY PRECAST,  
12" - 6"

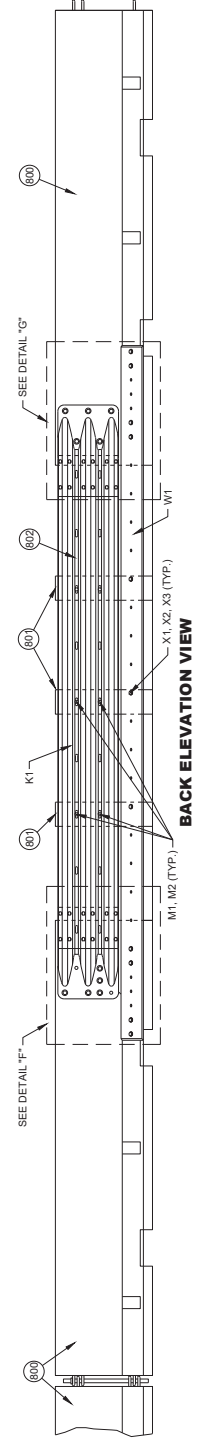
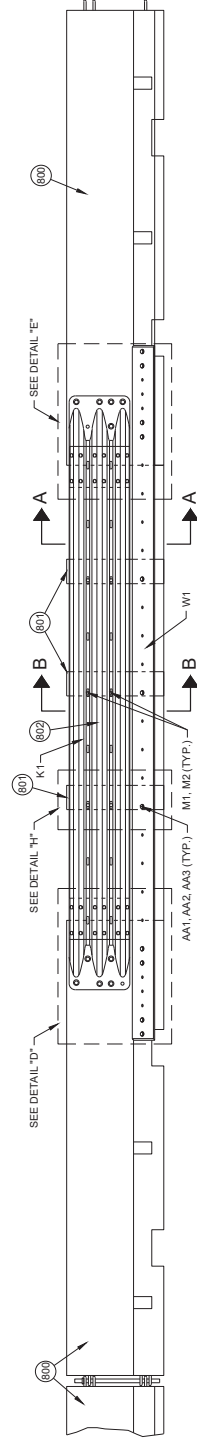
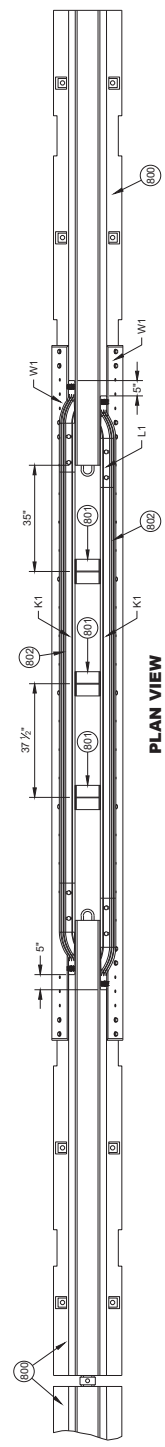
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

Addendum No. 01  
ID 8150-00-70  
Revised Sheet 38  
March 1, 2023

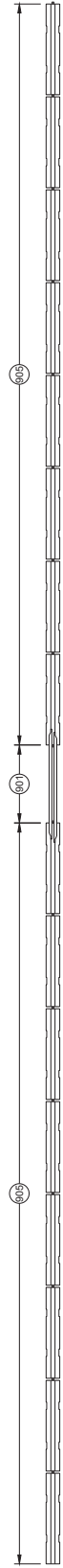
**CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"**  
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



- GENERAL NOTES**
- 600 FREE STANDING TEMPORARY BARRIER
  - 601 GAP STIFFENER ASSEMBLY
  - 602 THRIE BEAMS ARE NESTED ON BOTH SIDES OF THE TEMPORARY BARRIER.
  - 603 SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL



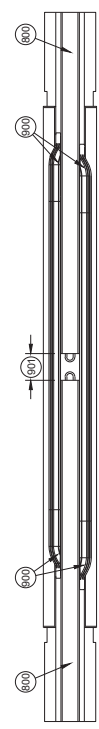
**PORTABLE CONCRETE BARRIER GAP THRIE BEAM COVER**



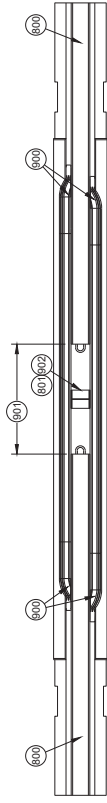
PLAN VIEW  
GAP WITHIN SPACING

**GENERAL NOTES**

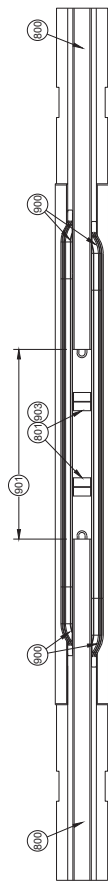
- 600 SEE OTHER DETAILS FOR TEMPORARY GAP-HARDWARE (TYP.)
- 601 TEMPORARY BARRIER GAP
- 602 GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
- 603 GAP STIFFENER ASSEMBLY IS OFFSET 18 3/4" FROM CENTER
- 604 MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
- 605 MINIMUM OF 8 CONTINUOUS FREE STANDING TEMPORARY BARRIERS



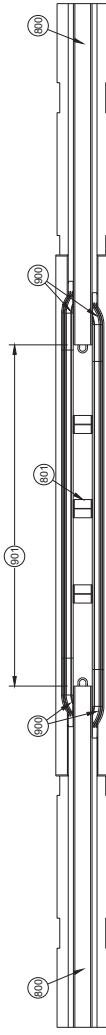
PLAN VIEW  
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. 604



PLAN VIEW  
TEMPORARY BARRIER GAP OVER 1' TO 4' MAX. 604



PLAN VIEW  
TEMPORARY BARRIER GAP OVER 4' TO 7' MAX. 604



PLAN VIEW  
TEMPORARY BARRIER GAP OVER 7' TO 12.5' MAX. 604

Addendum No. 01  
ID 8150-00-70  
Revised Sheet 39  
March 1, 2023

**CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"**

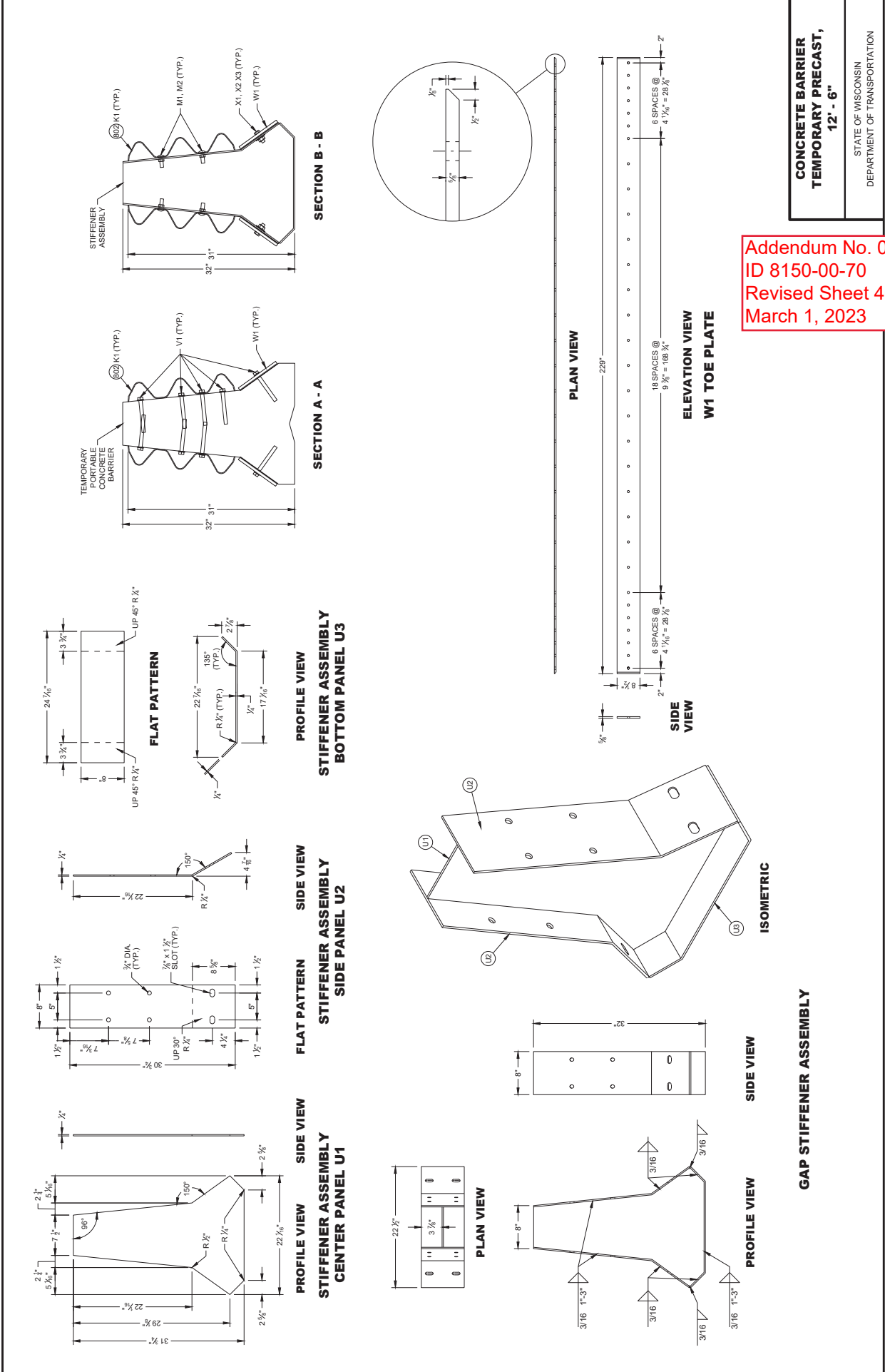
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

Addendum No. 01  
ID 8150-00-70  
Revised Sheet 40  
March 1, 2023

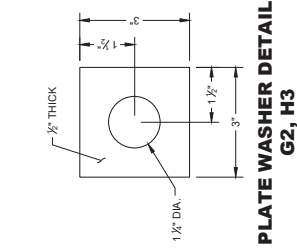


**GENERAL NOTES**

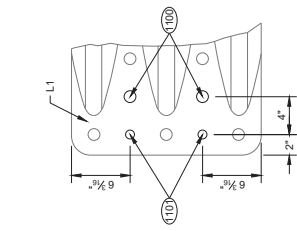
(108) 1" DIA. HOLE

(109) 3/4" DIA. HOLE

(110) PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO LIMIT STEEL BEAM END MOMENT. PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO DRILL ADDITIONAL HOLES OR PROVIDE THRIE BEAM TERMINAL CONNECTOR WITH ADDITIONAL HOLES FROM SUPPLIER.

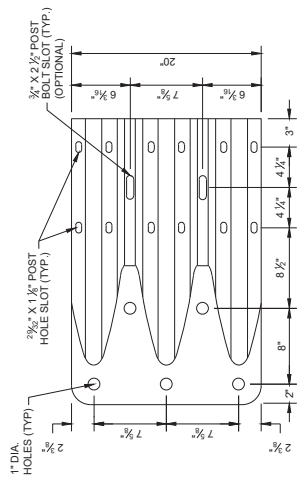


**PLATE WASHER DETAIL  
G2, H3**



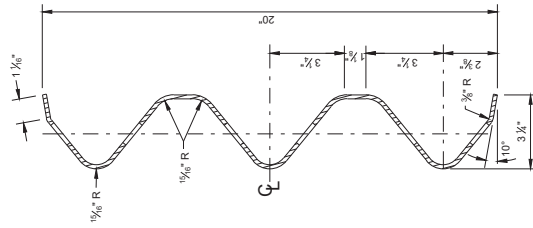
**ELEVATION VIEW**

**ADDITIONAL THRIE BEAM  
TERMINAL CONNECTOR HOLE DETAIL**

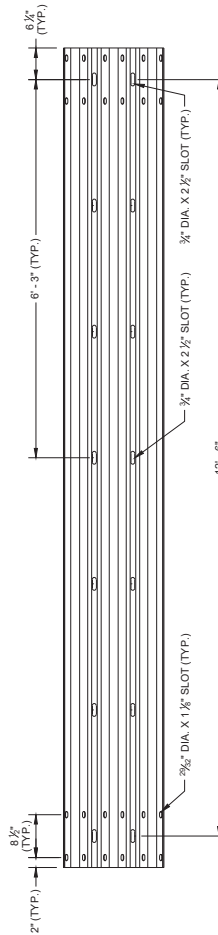


**ELEVATION VIEW**

**THRIE BEAM  
TERMINAL CONNECTOR**



**SECTION THROUGH  
BEAM K1**



**SLOTTED THRIE BEAM RAIL K1**

Addendum No. 01  
ID 8150-00-70  
Revised Sheet 41  
March 1, 2023

**CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"**

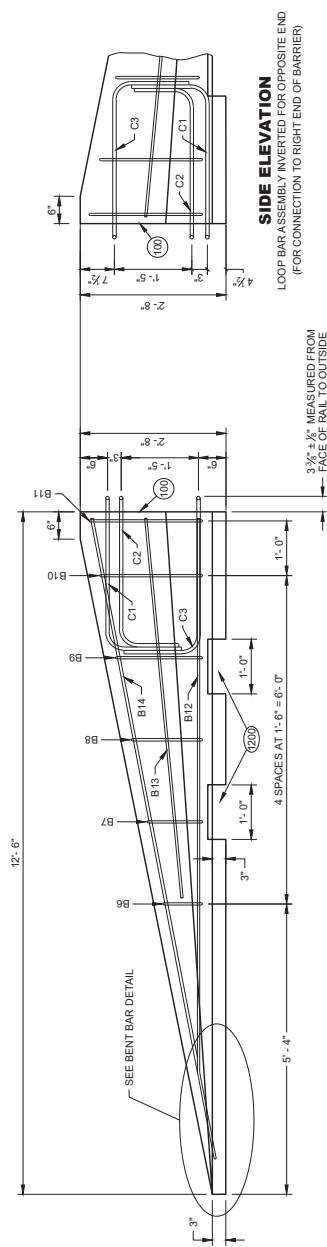
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

Addendum No. 01  
 ID 8150-00-70  
 Revised Sheet 42  
 March 1, 2023

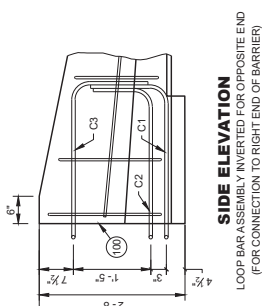
**CONCRETE BARRIER  
 TEMPORARY PRECAST,  
 12' - 6"**  
 STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

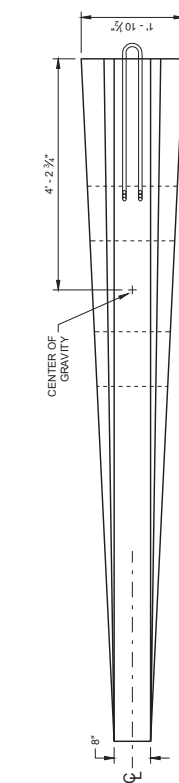
(20) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.



**SIDE ELEVATION**  
 (FOR CONNECTION TO LEFT END OF BARRIER)



**SIDE ELEVATION**  
 LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END  
 (FOR CONNECTION TO RIGHT END OF BARRIER)



**PLAN VIEW**

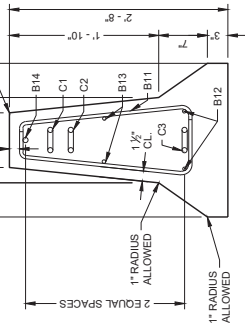
**FLARE AT BARRIER END**



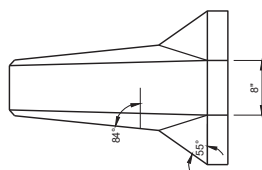
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



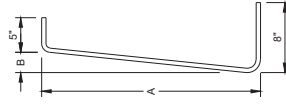
**B12**



**END SECTION**



**FRONT ELEVATION**

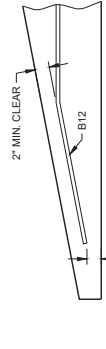


**BENT BAR DETAIL**

BAR	A	B
B6	10"	1"
B7	1'-1"	1 1/2"
B8	1'-5"	1 3/4"
B9	1'-8"	1 7/8"
B10	2'-0 1/2"	2 3/8"
B11	2'-3"	2 3/4"

**B BARS**

2 OF EACH SIZE REQUIRED FOR STIRRUP ASSEMBLY



**DETAILS OF BARRIER TAPER SECTION**

**BILL OF MATERIALS - CONCRETE BARRIER PRECAST**

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	PRECAST TEMPORARY BARRIER - CONCRETE	MIN. = f <sub>c</sub> 5000 PSI	
B1	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 12'-2"
B2	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-2"
B3	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 12'-2"
B4	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 6'-0"
B5	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 2'-11"
B6	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-2"
B7	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-0"
B8	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-0"
B9	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-2"
B10	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-4"
B11	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 7'-0"
B12	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 11'-9"
B13	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 11'-9"
C1	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	3/4" DIA.
C2	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	3/4" DIA.
C3	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	3/4" DIA.
D1	CONNECTION PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX. STRENGTH 50 KSI / ASTM A592 MAX. STRENGTH 50 KSI / ASTM A592 MAX. STRENGTH 50 KSI /	1 1/2" DIA.
D2	CONNECTION PIN - TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX. STRENGTH 50 KSI / ASTM A592 MAX. STRENGTH 50 KSI /	1 1/2" DIA.
G1	BOLT THROUGH ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 A307 GRADE A / OR SAE J429 GRADE 2 UNC 2 / ASTM B895 CLASS 55 TYPE 2 A307 GRADE A / OR SAE J429 GRADE 2 UNC 2 /	1 1/2" DIA.
G2	BOLT THROUGH ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX. STRENGTH 50 KSI / ASTM A592 MAX. STRENGTH 50 KSI /	12 GAUGE
G3	BOLT THROUGH ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 A307 GRADE A / OR SAE J429 GRADE 2 UNC 2 /	12 GAUGE
H1	ADHESIVE ANCHOR - ADHESIVE	ICCES AC308.5 1/2" EMBEDMENT WITH A MIN. 5000 PSI STRENGTH OF 1,650 PSI. SEE INFORMATION ON ADHESIVE ANCHORS.	
H2	ADHESIVE ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 A307 GRADE A / OR SAE J429 GRADE 2 UNC 2 /	1 1/2" DIA.
H3	ADHESIVE ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX. STRENGTH 50 KSI / ASTM A592 MAX. STRENGTH 50 KSI /	12 GAUGE
H4	ADHESIVE ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 /	12 GAUGE
J1	ASPHALT ANCHOR PIN - ROD	ASTM A572 MAX. STRENGTH 50 KSI / ASTM A572 MAX. STRENGTH 50 KSI / ASTM A592 MAX. STRENGTH 50 KSI /	1 1/2" DIA.
J2	ASPHALT ANCHOR PIN - STOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX. STRENGTH 50 KSI / ASTM A592 MAX. STRENGTH 50 KSI /	12 GAUGE
K1	THREE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 / APPROVED PRODUCER	
L1	THREE BEAM RAIL - TERMINAL	AASHTO M180 CLASS A TYPE 2 / APPROVED PRODUCER	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
M1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 /	3/4" DIA.
M2	SPLICE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 /	3/4" DIA.
N1	THREE BEAM RAIL TERMINAL - MECHANICAL ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 /	3/4" DIA.
N2	THREE BEAM RAIL TERMINAL - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 /	3/4" DIA.
N3	THREE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
P1	THREE BEAM RAIL CONNECTION 1-BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 /	3/4" DIA.
P2	THREE BEAM RAIL CONNECTION 1-MECHANICAL OR ADHESIVE ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 /	3/4" DIA.
O1	BLOCK WOOD	SEE STANDARD SPEC. 614	
R1	CAP - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 /	3/4" DIA.
R2	CAP - BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 TYPE 2 /	12 GAUGE
R3	CAP - BOLT - MECHANICAL ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
S1	CAP 42-INCH TOP PLATE	AASHTO M117 / ASTM A123 / ASTM A36 MIN. STRENGTH 36 KSI / OR ASTM A499 MAX. STRENGTH 50 KSI / OR ASTM A992 MAX. STRENGTH 50 KSI /	12 GAUGE
S2	CAP 42-INCH END PLATE	AASHTO M117 / ASTM A123 / ASTM A36 MIN. STRENGTH 36 KSI / OR ASTM A499 MAX. STRENGTH 50 KSI / OR ASTM A992 MAX. STRENGTH 50 KSI /	12 GAUGE
S3	CAP 42-INCH SIDE PLATE	AASHTO M117 / ASTM A123 / ASTM A36 MIN. STRENGTH 36 KSI / OR ASTM A499 MAX. STRENGTH 50 KSI / OR ASTM A992 MAX. STRENGTH 50 KSI /	12 GAUGE
S4	CAP 42-INCH GUSSET 1	AASHTO M117 / ASTM A123 / ASTM A36 MIN. STRENGTH 36 KSI / OR ASTM A499 MAX. STRENGTH 50 KSI / OR ASTM A992 MAX. STRENGTH 50 KSI /	12 GAUGE
S5	CAP 42-INCH GUSSET 2	AASHTO M117 / ASTM A123 / ASTM A36 MIN. STRENGTH 36 KSI / OR ASTM A499 MAX. STRENGTH 50 KSI / OR ASTM A992 MAX. STRENGTH 50 KSI /	12 GAUGE
S6	CAP 42-INCH GUSSET 3	AASHTO M117 / ASTM A123 / ASTM A36 MIN. STRENGTH 36 KSI / OR ASTM A499 MAX. STRENGTH 50 KSI / OR ASTM A992 MAX. STRENGTH 50 KSI /	12 GAUGE
S7	CAP 42-INCH GUSSET 4	AASHTO M117 / ASTM A123 / ASTM A36 MIN. STRENGTH 36 KSI / OR ASTM A499 MAX. STRENGTH 50 KSI / OR ASTM A992 MAX. STRENGTH 50 KSI /	12 GAUGE

**CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

Addendum No. 01  
ID 8150-00-70  
Revised Sheet 43  
March 1, 2023

**BILL OF MATERIALS - CONCRETE BARRIER PRECAST**

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
T1	CAP 56-INCH TOP PLATE	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T2	CAP 56-INCH END PLATE	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T3	CAP 56-INCH SIDE PLATE 1	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T4	CAP 56-INCH SIDE PLATE 2	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T5	CAP 56-INCH GUSSET 1	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T6	CAP 56-INCH GUSSET 2	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T7	CAP 56-INCH GUSSET 3	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T8	CAP 42-INCH GUSSET 4	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T9	CAP 42-INCH GUSSET 5	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T10	CAP 42-INCH GUSSET 6	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T11	CAP 42-INCH GUSSET 7	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T12	CAP 42-INCH GUSSET 8	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T13	CAP 42-INCH GUSSET 9	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T14	CAP 42-INCH GUSSET 10	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T15	CAP 42-INCH GUSSET 11	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T16	CAP 42-INCH GUSSET 12	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
U1	GAP STIFFENER	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
U2	GAP STIFFENER - CONNECTION PLATE 1	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
U3	GAP STIFFENER - CONNECTOR PLATE 2	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
V1	THREE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 24.0 KIIPS AND ULTIMATE SHEAR LOAD 21.5 KIIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	3/4" DIA.
V2	GAP STIFFENER - BOLT - NUT	HOT DIP ASHTO M232 CLASS / ASTM A143 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO ASHTO M286 CLASS 50 TYPE 1 / ASTM B895 CLASS 50 TYPE 1 UNC OVER SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A448 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED. PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	
V1	TOE PLATE	ASHTO M117 / ASTM A123 ASTM A92 MIN. STRENGTH 36 KSI OR ASTM A529 MAX. STRENGTH 50 KSI OR ASTM A992 MAX. STRENGTH 50 KSI	
X1	TOE PLATE - CONNECTION BOLT	HOT DIP ASHTO M232 CLASS / ASTM A143 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO ASHTO M286 CLASS 50 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A448 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED. PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	3/4" DIA.
X2	TOE PLATE - CONNECTION BOLT - WASHER	HOT DIP ASHTO M232 CLASS / ASTM A143 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO ASHTO M286 CLASS 55 TYPE 2 / ASTM B896 CLASS 55 TYPE 2, F438 TYPE 1 (HARDEN WASHER ONLY)	
X3	TOE PLATE - CONNECTION BOLT - NUT	HOT DIP ASHTO M232 CLASS / ASTM A143 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO ASHTO M286 CLASS 55 TYPE 2 / ASTM B895 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN ASHTO 281 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J895 GRADE 5	

Addendum No. 01  
ID 8150-00-70  
Revised Sheet 44  
March 1, 2023

**CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED \_\_\_\_\_  
DATE February 2023  
PROJECT \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_  
SCALE \_\_\_\_\_

