



Wisconsin Department of Transportation

August 31, 2021

Division of Transportation Systems Development

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

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

NOTICE TO ALL CONTRACTORS:

Proposal #08: 1100-46-70, WISC 2021476
IH 41 Airport Freeway
60th Street Bridge
IH 041
Milwaukee County

Letting of September 14, 2021

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
59	Installing and Maintaining Bird Deterrent System (station), Item 999.2000.S

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
999.2000.S	Installing and Maintaining Bird Deterrent System	Each	1	0	1
The title to the above bid item is being revised to the following:					
999.2000.S.01	Installing and Maintaining Bird Deterrent System, 10+00	Each	1	0	1

Plan Sheets:

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
236A-236F	SDD 14B32-08 Series; Concrete Barrier Single Slope (CBSS)

Deleted Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was deleted)
237-241	SDD 14B32-07 series; Concrete Barrier Single Slope (CBSS)

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

1100-46-70

August 31, 2021

Special Provisions

3. Prosecution and Progress

Insert the following after the third paragraph:

Prior to beginning any other work, the existing 72-count fiber optic cable between EXMH6001 and EXMH6007 must be rerouted through CV6001 and CV6004 and spliced in as shown in the FTMS DESIGN sheets. The new conduit and vault construction, and the new 72-count fiber optic cable installation, for the fiber optic reroute must be completed prior to any removals related to the fiber optic work. The new 72-count fiber optic cable must be spliced into the existing system one strand at a time at both ends simultaneously with no down-time for the entire cable. Only down-time for one strand at a time while splicing will be allowed. Splice work may be required to be done during overnight hours. The fiber optic work related to the 6-count fiber optic drop cables to EX-CB-RM-40-0050 / CCTV-40-0026 and CB-RM-40-0051 may be done at a later time prior to completion of all contracted work.

59. Installing and Maintaining Bird Deterrent System, Item 999.2000.S.

Revise title of this article to the following:

59. Installing and Maintaining Bird Deterrent System, Item 999.2000.S.01.

Replace entire section titled E Payment with the following:

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.01	Installing and Maintaining Bird Deterrent System, 110+89.37	EACH

Payment for Installing and Maintaining Bird Deterrent System 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.

Payment for Maintaining Bird Deterrent System is full compensation for inspecting structures for the presence of migratory birds, inspecting deterrents installed by others; maintaining, repairing, replacing, and supplementing existing deterrent materials; repairing damage to structures resulting from installation of deterrents; removal and disposal of materials.

Schedule of Items

Attached, dated August 31, 2021, are the revised Schedule of Items Page 16.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

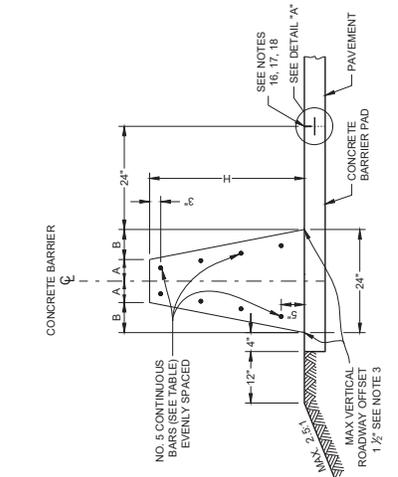
Added: 236A – 236F.

Deleted: 237 - 241

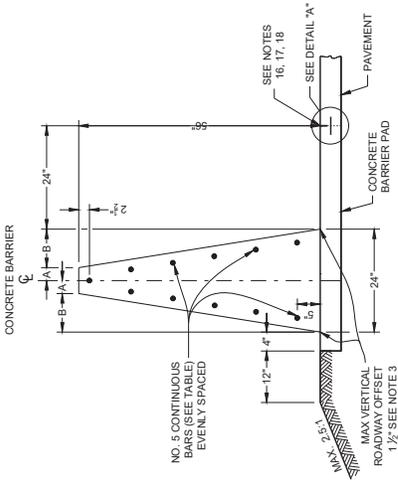
END OF ADDENDUM



SDD 14B32-a Concrete Barrier Single Slope (CBSS)

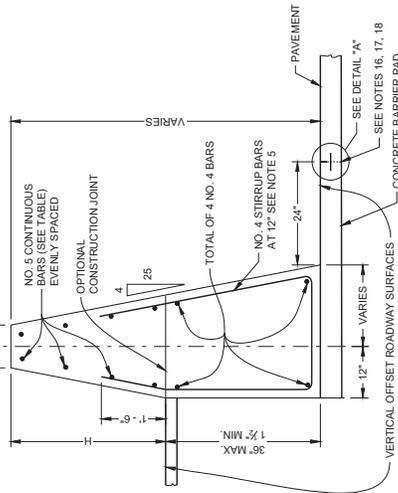


32 - INCH, 36 - INCH OR 42 - INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S32, TYPE S36, TYPE S42)

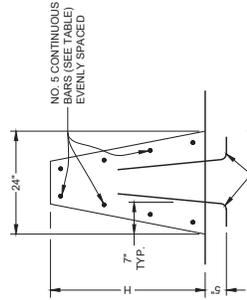


56 - INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S56)

BARRIER HEIGHT INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
32	7	5	8
36	6 1/2	5 1/2	8
42	5 1/2	6 1/2	10
56	3	9	11



SINGLE SLOPE CONCRETE BARRIER AND RETAINING WALL (TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A) (BETWEEN ADJACENT ROADWAYS)

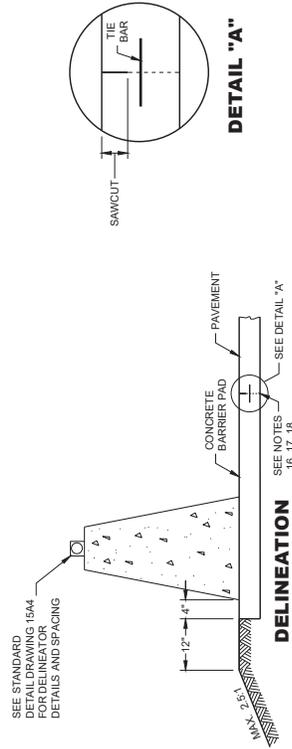


SINGLE SLOPE CONCRETE BARRIER ON BRIDGE (NON OUTER PARAPET APPLICATION)

GENERAL NOTES

- WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.
- EXPANSION JOINTS IN CONCRETE BARRIER SHALL BE LOCATED AT ALL DECK AND PRINCIPAL WALL JOINTS. EXPANSION JOINT FILLER MATERIAL SHALL BE THE SAME SIZE AS JOINT OF 1/2" MINIMUM.
- WHERE VERTICAL ROADWAY OFFSET IS GREATER THAN 1", USE TYPE A.
- PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.
- EXCEPT IN ANCHORS, VERTICAL REINFORCING STIRRUP NOT REQUIRED FOR ROADWAY OFFSETS LESS THAN 1" - 0".
- FOR TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 MONOLITHIC FOOTING OR DOWELED FOOTING 2' - 0" X 8' @ 2' - 0".
- STAGGER LAPPING OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF STEEL 2 FEET. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
- 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATION 501.
- WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP FORMING CUT-OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAPS TO BE FIRMLY TIED.
- USE 3/4" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
- 2" CLEAR COVER TYPICAL
- COLD JOINTS MAY BE USED BETWEEN ANCHOR INSTALLATIONS. WHEN A COLD JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED.
- IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 NO ADDITIONAL VERTICAL STEEL IS NEEDED. IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A, REQUIRES VERTICAL STEEL. SEE OTHER DETAIL.
- IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56, THE DEPTH OF FOOTING IS 18" AT TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A. MATCH TOTAL HEIGHT OF SINGLE SLOPE BARRIER RETAINING WALL.
- FOR ALL BARRIER TYPES SHOWN, ANCHOR IS REQUIRED AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER. ANCHOR MAY BE AS SHOWN ON DRAWING OR DETAILS SHOWN ON SDD 14B33. ANCHORS INCIDENTAL TO CBSS.
- CONCRETE BARRIER PAD UNDER CBSS MAY BE PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED 1/2" DEPTH. CONCRETE BARRIER PAD AND SAWING OF CONCRETE SHOULDER IS INCIDENTAL TO CONCRETE BARRIER BID ITEM. CONCRETE BARRIER PAD MINIMUM DEPTH IS 6 INCHES, OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.
- CONSTRUCTION JOINTS MAY BE ELIMINATED WHEN CONCRETE SHOULDER IS LESS THAN 10'.
- SEE SDD 18C1 FOR DETAILS TYING CONCRETE BARRIER PAD TO ADJACENT CONCRETE.
- PROVIDE A 1" DEEP CONTRACTION JOINT IN BARRIER PAD AND BARRIER. JOINT IS TO MATCH TO CONCRETE BARRIER. CONTRACTION JOINT REQUIRED FOR BARRIER PAD. IF ADJACENT TO ASPHALT, CONTRACTION JOINT IS REQUIRED EVERY 15'.

ADDENDUM to this SDD 8/14/2021: DELETE GENERAL NOTES 13 AND 14



SEE NOTES 16, 17, 18
SEE DETAIL "A"

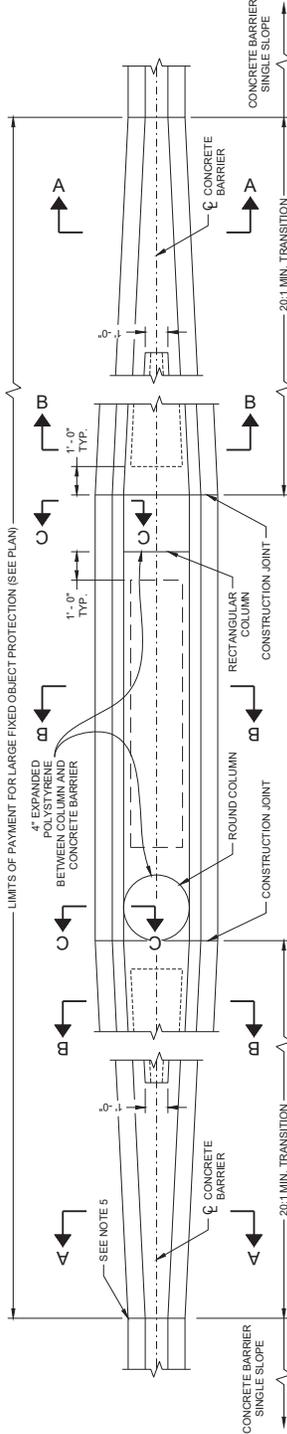
DETAIL "A"

**Addendum No. 01
ID 1100-46-70
Added Sheet 236A
August 31, 2021**

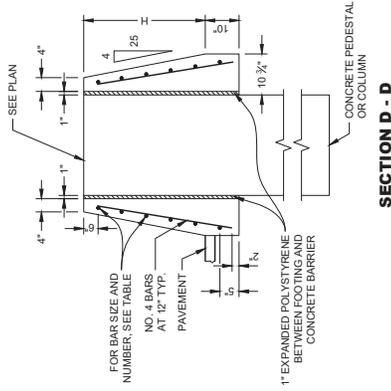
**CONCRETE BARRIER
SINGLE SLOPE (CBSS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

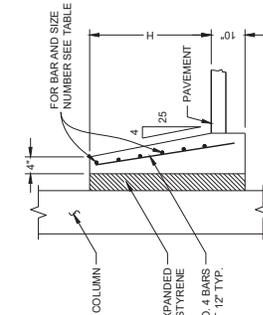
BARRIER HEIGHT H INCHES	BAR SIZE	NUMBER OF BARS EACH
32	4	6
36	4	6
42	5	6
56	5	6



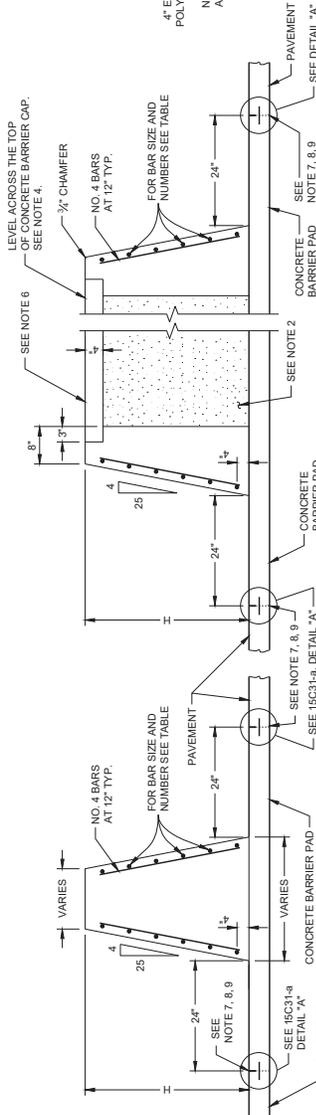
LARGE FIXED OBJECTS PROTECTION
(TYPE S32, TYPE S36, TYPE S42, TYPE S56)



SECTION D - D



SECTION C - C



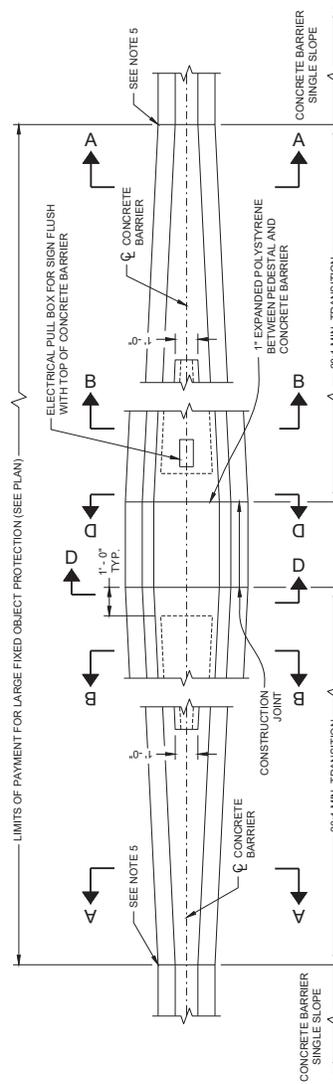
SECTION A - A

SECTION B - B

SECTION C - C

GENERAL NOTES

1. INSTALL 1 INCH DIAMETER DRAIN PIPE EVERY 20 FEET OF CROSS SECTION B - B. MINIMUM ONE DRAIN CAVITY.
2. BETWEEN CONCRETE BARRIER WALLS FILL WITH FOUNDATION BACKFILL.
3. REINFORCING STEEL SHALL EXTEND CONTINUOUS THROUGH CONSTRUCTION JOINTS.
4. ADJUST HEIGHT OF CONCRETE BARRIER WALL ON LOW SIDE OF OFFSET OR SUPERELEVATED ROADWAYS TO PROVIDE LEVEL GRADE ACROSS TOP OF CONCRETE CAP.
5. IF FIXED OBJECT PROTECTION IS INSTALLED FIRST, USE COLD JOINTS. IF CBSB PLACED FIRST, USE EXPANSION JOINT.
6. USE NO. 3 BAR SPACED 12 INCHES CENTER TO CENTER (PLACED IN EACH DIRECTION) OR EQUIVALENT WIRE MESH.
7. CONCRETE BARRIER PAD UNDER CBSB MAY BE PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED 1/4\"/>



SMALL FIXED OBJECTS PROTECTION
(TYPE S32, TYPE S36, TYPE S42, TYPE S56)

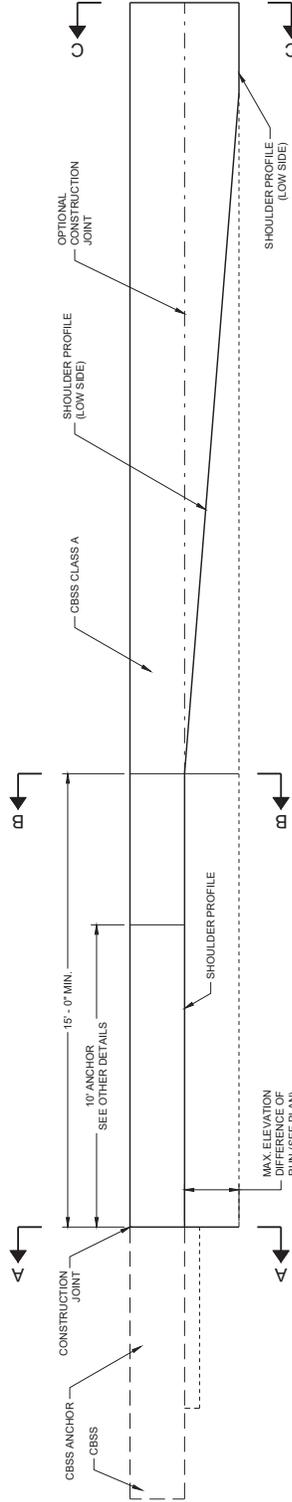
Addendum No. 01
ID 1100-46-70
Added Sheet 236B
August 31, 2021

CONCRETE BARRIER
SINGLE SLOPE (CBSB)

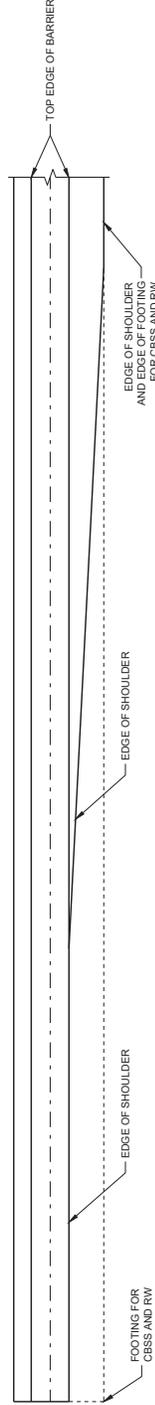
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

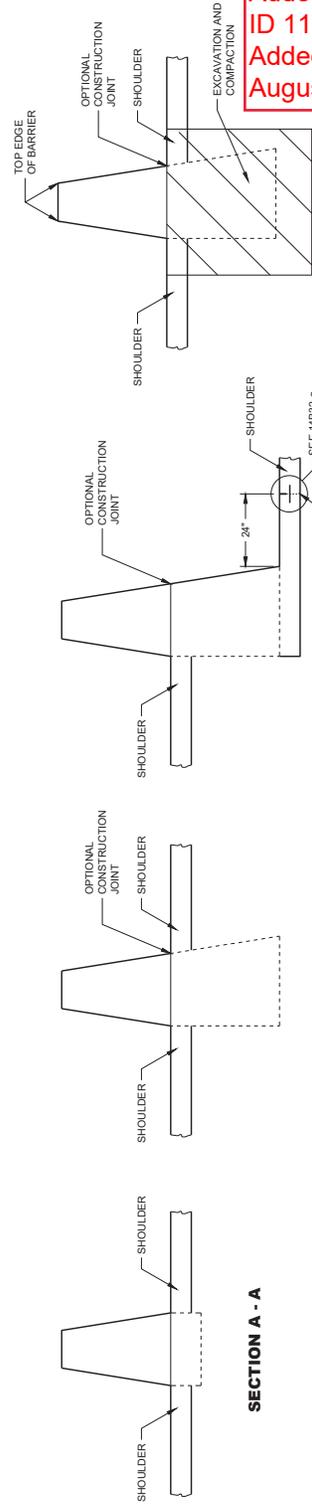
1. SAVING OF CONCRETE SHOULDER IS INCIDENTAL TO CONCRETE BARRIER RISE ITEM. SEE SDD 14B32 FOR JOINT DEPTH AND WIDTH, CONCRETE PAD MINIMUM DEPTH IS 6 INCHES, OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.
2. CONSTRUCTION JOINTS MAY BE ELIMINATED WHEN CONCRETE SHOULDER IS LESS THAN 10'.
3. SEE SDD 14B32 FOR DETAILS TYING BARRIER FOOTING TO ADJACENT CONCRETE.



**ELEVATION VIEW
TRANSITION TO CBSS CLASS A
(TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)**



**PLAN VIEW
TRANSITION TO CBSS CLASS A
(TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)**

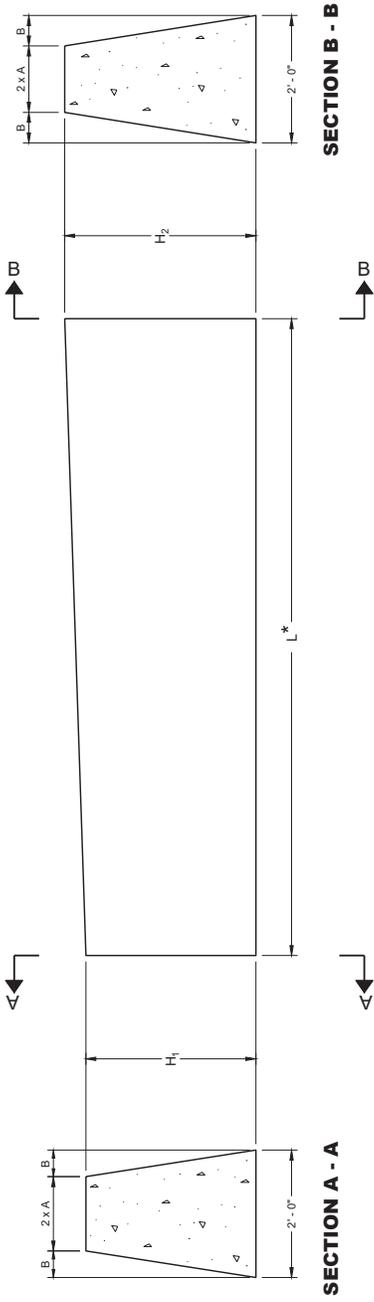


Addendum No. 01
ID 1100-46-70
Added Sheet 236C
August 31, 2021

**CONCRETE BARRIER SINGLE SLOPE
(CBSS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

236C



BARRIER DIMENSIONS

BARRIER HEIGHT INCHES	A INCHES	B INCHES
32	7	5
36	6 1/4	5 3/4
42	5 3/4	6 3/4
56	3	9

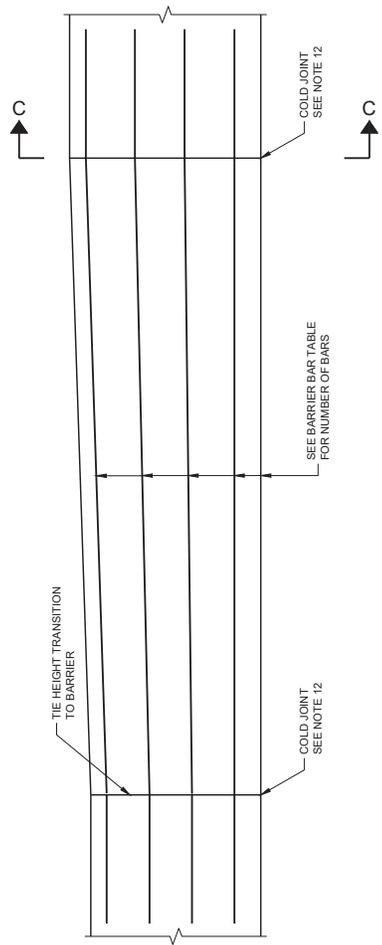
MULTIPLE HEIGHT TRANSITIONS MAY BE USED IN SEQUENCE TO GET TO APPROPRIATE HEIGHT. USE COLD JOINT TO CONNECT MULTIPLE HEIGHT TRANSITIONS.

DOUBLE COLD JOINT HEIGHT TRANSITION

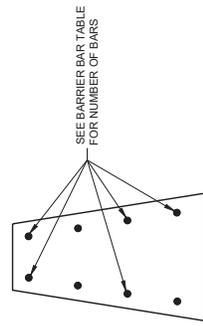
BARRIER BARS

H ₁	H ₂	L*	NUMBER OF NUMBER OF BARS
32"	36"	10' - 0"	8
36"	42"	10' - 6"	10
42"	56"	24' - 6"	11

* LENGTH OF DOUBLE COLD JOINT INCLUDED IN THE TOTAL LENGTH OF CBSS.



STEEL REINFORCEMENT DETAIL



SECTION C-C

Addendum No. 01
ID 1100-46-70
Added Sheet 236D
August 31, 2021

**CONCRETE BARRIER
SINGLE SLOPE (CBSS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

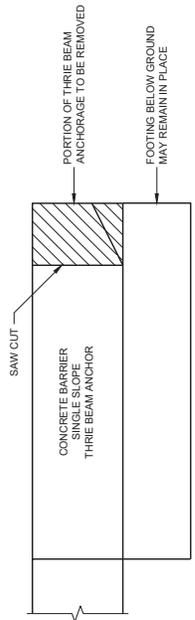
APPROVED _____
DATE _____
ROADWAY DEVELOPMENT UNIT SUPERVISOR

236D

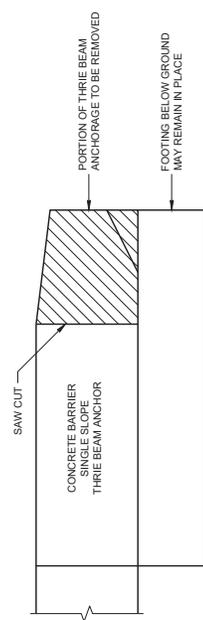
GENERAL NOTES

1. THE NUMBER OF DRILL HOLES IS EQUAL TO THE NUMBER OF REBAR IN BARRIER (SEE OTHER DETAILS).
2. MINIMUM DEPTH OF DRILL HOLES IS 1'-3".
3. DRILL HOLES TO BE A MINIMUM OF 4 INCHES FROM THE EDGE OF CONCRETE
4. INSTALL EPOXY COATED NO. 5 BARS IN DRILL HOLES.
5. END ANCHORAGE MAY OR MAY NOT BE PRESENT ON EXISTING BARRIERS.
6. REMOVE THREE BEAM ANCHORAGE AS SHOWN.

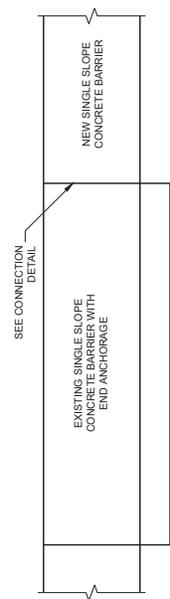
REMOVAL AREA OF 32" CONCRETE THREE BEAM ANCHORAGE



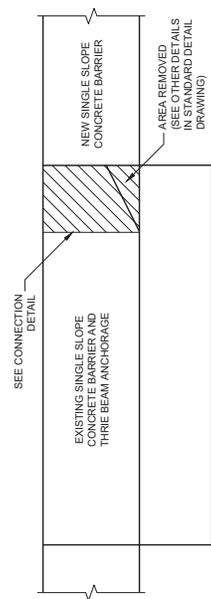
REMOVAL AREA OF CONCRETE THREE BEAM ANCHORAGE WITH HEIGHT GREATER THAN 32"



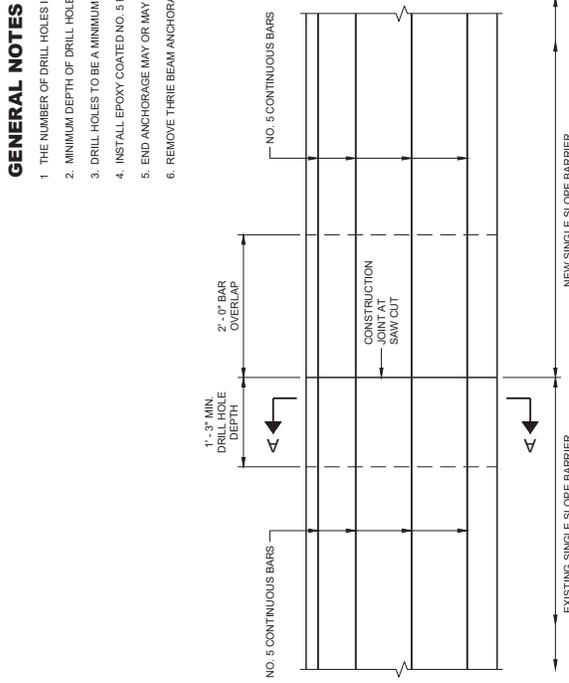
ELEVATION VIEW OF CONCRETE BARRIER EXTENSION NEAR END ANCHORAGE



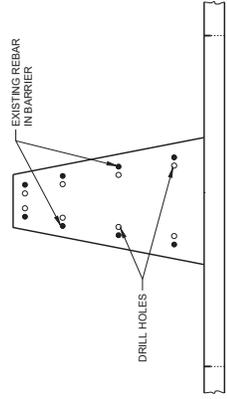
ELEVATION VIEW OF CONCRETE BARRIER EXTENSION NEAR END ANCHORAGE



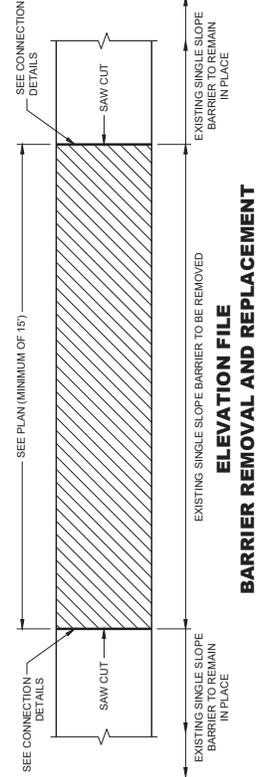
ELEVATION VIEW OF CONCRETE BARRIER EXTENSION NEAR THREE BEAM TERMINAL



SECTION A-A



CONNECTION OF EXISTING SINGLE SLOPE CONCRETE BARRIER TO NEW SINGLE SLOPE CONCRETE BARRIER

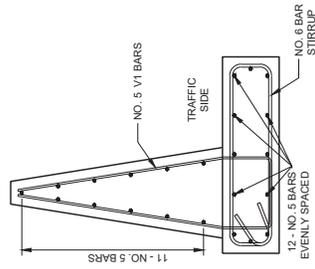


ELEVATION FILE BARRIER REMOVAL AND REPLACEMENT

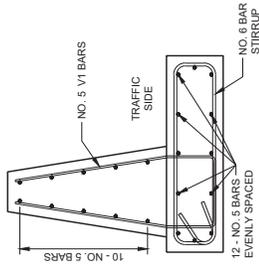
CONCRETE BARRIER SINGLE SLOPE (CBSS)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED _____ DATE: May 2021 PROJECT: ROADWAY IMPROVEMENT UNITS SUPERVISOR

Addendum No. 01
ID 1100-46-70
Added Sheet 236E
August 31, 2021

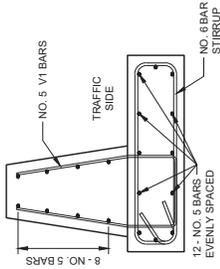
RETROFIT OR REPAIR SINGLE SLOPE CONCRETE BARRIER



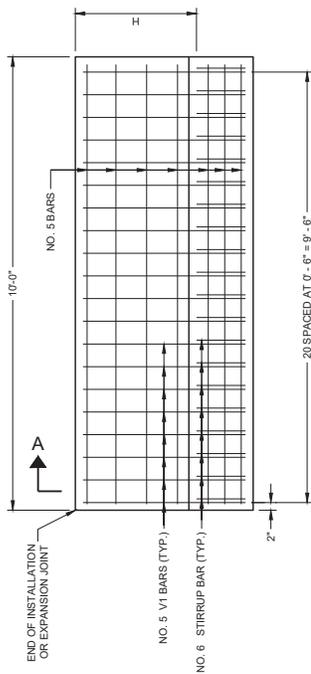
56" CBSS



42" CBSS

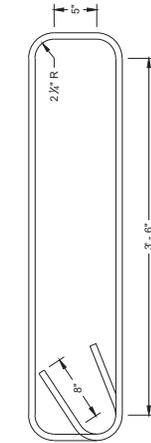


32" AND 36" CBSS



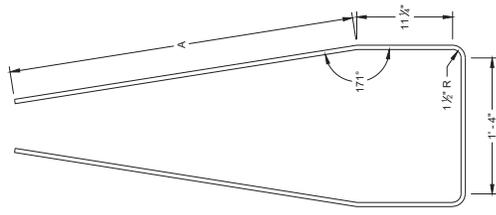
END ANCHOR SINGLE SLOPE CONCRETE BARRIER

BARRIER HEIGHT INCHES	NUMBER OF NO. 5 BARS EACH
32	14
36	12 1/2
42	10 1/2
56	6
	11

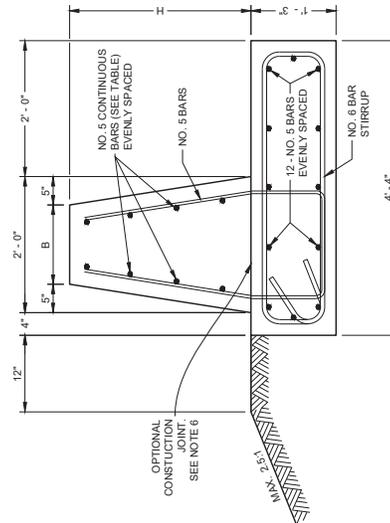


STIRRUP BAR BENDING DETAIL

BARRIER HEIGHT INCHES	A INCHES
32	2'-6"
36	2'-11"
42	3'-4"
56	4'-6 1/2"



V1 BAR BENDING DETAIL



SECTION A - A

CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED _____
DATE _____
BY: Rodney Taylor
ROADWAY DEVELOPMENT UNIT SUPERVISOR
EPMW

Addendum No. 01
ID 1100-46-70
Added Sheet 236F
August 31, 2021



Proposal Schedule of Items

Proposal ID: 20210914008 Project(s): 1100-46-70

Federal ID(s): WISC 2021476

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0470	690.0250 Sawing Concrete	2,973.000 LF		
0472	715.0415 Incentive Strength Concrete Pavement	500.000 DOL	1.00000	500.00
0474	715.0502 Incentive Strength Concrete Structures	9,708.000 DOL	1.00000	9,708.00
0476	715.0603 Incentive Strength Concrete Barrier	355.000 DOL	1.00000	355.00
0478	999.2000.S Installing and Maintaining Bird Deterrent System (Station) 01. 110+89.37	1.000 EACH		
0480	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	3,000.000 HRS	5.00000	15,000.00
0482	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	4,320.000 HRS	5.00000	21,600.00
0484	SPV.0060 Special 001. Concrete Barrier Transition Type GM to S36	4.000 EACH		
0486	SPV.0060 Special 002. Traffic Control Close-Open Freeway Entrance Ramp	45.000 EACH		
0488	SPV.0060 Special 003. Traffic Control Full Freeway Closure	30.000 EACH		
0490	SPV.0060 Special 004. Mobilization Emergency Pavement Repair	10.000 EACH		
0492	SPV.0060 Special 005. Fastening Sewer Access Covers	20.000 EACH		
0494	SPV.0060 Special 006. Adjusting Water Manholes	2.000 EACH		
0496	SPV.0060 Special 007. Water Main Protection	2.000 EACH		
0498	SPV.0060 Special 008. Field Facilities Office Space	1.000 EACH		