



# Wisconsin Department of Transportation

February 3, 2016

## Division of Transportation Systems Development

Bureau of Project Development  
 4802 Sheboygan Avenue, Rm 601  
 P O Box 7916  
 Madison, WI 53707-7916

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

### NOTICE TO ALL CONTRACTORS:

**Proposal #27: 7730-01-60**  
**Czechville - Mondovi**  
**CTH E to CTH U**  
**STH 88**  
**Buffalo County**

### Letting of February 9, 2016

This is Addendum No. 02, which provides for the following:

#### Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
650.8000	Construction Staking Resurfacing Reference	LF	133,620	-66,810	66,810

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
603.8000	Concrete Barrier Temporary Precast Delivered	LF	0	250	250
603.8125	Concrete Barrier Temporary Precast Installed	LF	0	500	500
649.1400	Temporary Pavement Marking Stop Line Removable Tape 24-Inch	LF	0	40	40

#### Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
31	Miscellaneous Quantities (added table for barrier system grading information.)
32	Miscellaneous Quantities (revised 650.8000, added 603.8000, 603.8125, 649.1400.)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
47A-H	Standard Detail Drawings: Concrete Barrier Temporary Precast

**Schedule of Items**

Attached, dated February 3, 2016, are the revised Schedule of Items Pages 5 and 6.

**Plan Sheets**

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

Revised: 31 and 32

Added: 47A-H

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

EROSION CONTROL

STAGE	STATION	STATION	LOCATION	628.1504	628.1528	628.1903	628.1919	628.2004
				SILT FENCE MAINTENANCE LF	SILT FENCE MAINTENANCE LF	MOBILIZATIONS EROSION CONTROL (EACH)	MOBILIZATIONS EROSION CONTROL (EACH)	EROSION MAT CLASS I, TYPE B
2	511+40	512+45	RT	135	75	---	---	50
3	512+45	513+45	RT	60	10	---	---	25
3	513+45	514+45	RT	175	15	---	---	105
3	514+45	515+45	RT	160	15	---	---	110
2	UNDISTRIBUTED	---	---	---	---	1	1	---
STAGE 3 SUB-TOTAL				530	55	1	1	310
4	511+50	512+55	L1	175	15	---	---	55
4	512+55	513+55	L1	160	15	---	---	55
4	513+55	514+55	L1	180	15	---	---	105
4	514+55	515+55	L1	155	15	---	---	105
4	UNDISTRIBUTED	---	---	---	---	1	1	---
STAGE 4 SUB-TOTAL				600	60	1	1	320
PROJECT 7730-01-60 TOTAL				1,130	113	2	2	630

Barrier System Grading Shaping Finishing, Item 614.0010

Station Location (Anchorage Post #)	Excavation Common*	Borrow	C.Y.	S.Y.	Type A	CWT.	Fert.		Mulching	Each
							* Seeding	* L.B.		
511+52 RT	13.9	0.0	34.3	0.02	0.02	0.4	0.4	34.3	1	
511+65 LT	26.6	5.5	81.3	0.05	0.05	1.1	1.1	81.3	1	
513+83 RT	6.0	12.1	56.6	0.04	0.04	0.9	0.9	56.6	1	
514+23 LT	5.2	7.2	45.1	0.03	0.03	0.6	0.6	45.1	1	
517+46 RT	14.6	42.5	151.4	0.10	0.10	2.1	2.1	151.4	1	
517+46 LT	23.0	60.4	193.6	0.12	0.12	2.6	2.6	193.6	1	
600+38 RT	24.1	48.0	165.3	0.10	0.10	2.1	2.1	165.3	1	
600+38 LT	19.5	50.1	190.2	0.12	0.12	2.6	2.6	190.2	1	
Totals	132.9	225.8	917.8	0.58	0.58	12.4	12.4	917.8	8	

\* Items & Quantities listed for Bid Information Only. Show the quantities and units clearly in the table.

CONCRETE BARRIER TEMPORARY PRECAST  
 STAGE STATION 603,800 603 B'25  
 1 597+68 - 600+18 250 DECONURED INSTALLED  
 2 597+68 - 600+18 - 250  
 250 LF 500 LF

Addendum No. 02  
 ID 7730-01-60  
 Revised Sheet 31  
 February 3, 2016

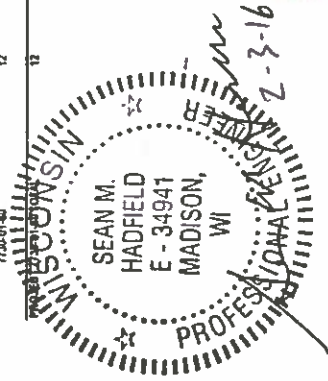
Addendum #2  
 February 3, 2016

TRAFFIC CONTROL

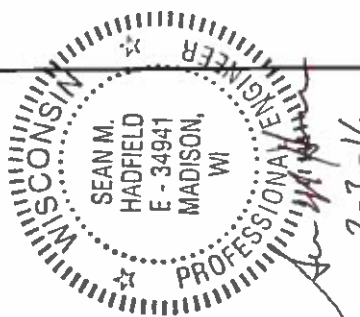
STAGE/LOCATION	DAYS IN SERVICE	443.8109 TRAFFIC CONTROL PROJECT EACH	443.8109 TRAFFIC CONTROL DRUMS NO.	443.8109 TRAFFIC CONTROL BARRICADES TYPE III NO.	443.8115 TRAFFIC CONTROL WARNING LIGHTS TYPE C NO.	443.8909 TRAFFIC CONTROL SIGNS NO.	443.8909 TRAFFIC CONTROL SIGNS DAVE
STAGE 1	20	---	23	440	10	20	400
STAGE 2	20	---	23	440	10	20	400
STAGE 3	23	---	---	---	---	---	850
STAGE 4	23	---	---	---	---	---	850
STAGE 5	9	---	---	---	---	---	300
UNDISTRIBUTED	---	1	---	---	---	---	---
PROJECT 7730-01-60 TOTAL							
		1	680	880	400	400	2,500

LOCATING NO-PASSING ZONES

PROJECT	648 R/W LOCATING NO-PASSING ZONES MILES
7730-01-60	12
TOTAL	12



Addendum No. 02  
ID 7730-01-60  
Revised Sheet 32  
February 3, 2016



Addendum #2  
February 3, 2016  
Addendum #1  
January 29, 2016

SHEET C-13 32 E  
WISDOT/CADD68 SHEET 43

SAWING PAVEMENT

STATION	LOCATION	REMARKS
357+00	STH 88	649.1400
521+80	RT	24
539+33	LT	24
579+00	RT	24
636+62	LT	20
739+31	LT	24
1025+58	RT	30
1327+00	STH 88	24

PROJECT 649.1400 TOTAL 132

CONSTRUCTION STAKING

STAGE	STATION	STATION	LOCATION	RESURFACING REFERENCE LT	650,000 SUPPLEMENTAL CONTROL LT
3	357+00	360+47	STH 88	3,350	
3	391+85	598+60	STH 88	20,680	
3	599+25	1027+00	STH 88	42,780	
STAGE 3 SUBTOTAL 66,810					
4	357+00	360+47	STH 88	-3,350	
4	391+85	598+60	STH 88	-20,680	
4	599+25	1027+00	STH 88	-42,780	
STAGE 4 SUBTOTAL -66,810					
PROJECT 7730-01-60 TOTAL 0					

REESTABLISH SECTION CORNER MONUMENTS

STAGE	STATION	LOCATION	SPV 0000.01 REESTABLISH SECTION CORNER MONUMENTS EACH
3	786+88	3 E RT	1
4	813+12	8 E LT	1
PROJECT 7730-01-60 TOTAL 2			

646.0406  
PAVEMENT MARKING  
SAMEDAY  
EPOXY 4-INCH

STAGE	STATION	STATION	LOCATION	TYPE	WHITE LF	YELLOW LF	4-INCH LF	MARKING LF	REMOVING PAVEMENT MARKINGS LF	646.0406 LF	648.0402 TEMPORARY PAVEMENT MARKING LF
1	598+00	600+00	STH 88	TEMPORARY PAVEMENT MARKING				100		100	200
2	598+00	600+00	STH 88	TEMPORARY PAVEMENT MARKING				100		100	200
3	357+00	360+47	STH 88	EDGE LINE RT TEMP CL	3,350					3,350	
3	391+85	598+60	STH 88	EDGE LINE RT TEMP CL	20,680					20,680	
3	599+25	1027+00	STH 88	EDGE LINE RT TEMP CL	42,780					42,780	
STAGE 3 SUBTOTAL 66,810											
4	357+00	360+47	STH 88	EDGE LINE LT	3,350					3,350	
4	391+85	598+60	STH 88	EDGE LINE LT	20,680					20,680	
4	599+25	1027+00	STH 88	EDGE LINE LT	42,780					42,780	
STAGE 4 SUBTOTAL 66,810											
5	357+00	360+50	STH 88	CENTERLINE (DOUBLE YELLOW)		700				700	
5	360+50	366+50	STH 88	CENTERLINE (SOLID & SKIP)		630				630	
5	366+50	396+50	STH 88	CENTERLINE (SKIP)		750				750	
5	396+50	410+00	STH 88	CENTERLINE (SOLID & SKIP)		150				150	
5	410+00	416+00	STH 88	CENTERLINE (SKIP)		2,000				2,000	
5	416+00	432+00	STH 88	CENTERLINE (SOLID & SKIP)		770				770	
5	432+00	482+50	STH 88	CENTERLINE (SKIP)		3,130				3,130	
5	482+50	487+50	STH 88	CENTERLINE (DOUBLE YELLOW)		3,200				3,200	
5	487+50	500+00	STH 88	CENTERLINE (SOLID & SKIP)		1,130				1,130	
5	500+00	512+00	STH 88	CENTERLINE (SKIP)		440				440	
5	512+00	530+00	STH 88	CENTERLINE (SOLID & SKIP)		1,130				1,130	
5	530+00	546+50	STH 88	CENTERLINE (DOUBLE YELLOW)		1,500				1,500	
5	546+50	553+25	STH 88	CENTERLINE (SOLID & SKIP)		850				850	
5	553+25	641+00	STH 88	CENTERLINE (SKIP)		2,200				2,200	
3	641+00	649+00	STH 88	CENTERLINE (SOLID & SKIP)		1,070				1,070	
3	649+00	688+00	STH 88	CENTERLINE (DOUBLE YELLOW)		730				730	
3	688+00	700+00	STH 88	CENTERLINE (SOLID & SKIP)		1,380				1,380	
3	700+00	702+75	STH 88	CENTERLINE (SKIP)		70				70	
3	702+75	719+00	STH 88	CENTERLINE (SOLID & SKIP)		2,040				2,040	
5	719+00	729+00	STH 88	CENTERLINE (SKIP)		250				250	
5	729+00	737+00	STH 88	CENTERLINE (SOLID & SKIP)		1,000				1,000	
5	737+00	765+00	STH 88	CENTERLINE (DOUBLE YELLOW)		5,600				5,600	
5	765+00	789+50	STH 88	CENTERLINE (SOLID & SKIP)		3,070				3,070	
5	789+50	798+50	STH 88	CENTERLINE (DOUBLE YELLOW)		1,200				1,200	
5	798+50	798+00	STH 88	CENTERLINE (SKIP)		70				70	
5	798+00	802+50	STH 88	CENTERLINE (SOLID & SKIP)		570				570	
5	802+50	811+50	STH 88	CENTERLINE (SKIP)		230				230	
5	811+50	819+00	STH 88	CENTERLINE (SOLID & SKIP)		940				940	
5	819+00	1027+00	STH 88	CENTERLINE (DOUBLE YELLOW)		41,000				41,000	
STAGE 5 SUBTOTAL 133,620											
PROJECT 7730-01-60 TOTAL 67,310											

PAVEMENT MARKING ITEMS

STAGE	STATION	STATION	LOCATION	TYPE	WHITE LF	YELLOW LF	4-INCH LF	MARKING LF	REMOVING PAVEMENT MARKINGS LF	646.0406 LF	648.0402 TEMPORARY PAVEMENT MARKING LF
1	598+00	600+00	STH 88	TEMPORARY PAVEMENT MARKING				100		100	200
2	598+00	600+00	STH 88	TEMPORARY PAVEMENT MARKING				100		100	200
3	357+00	360+47	STH 88	EDGE LINE RT TEMP CL	3,350					3,350	
3	391+85	598+60	STH 88	EDGE LINE RT TEMP CL	20,680					20,680	
3	599+25	1027+00	STH 88	EDGE LINE RT TEMP CL	42,780					42,780	
STAGE 3 SUBTOTAL 66,810											
4	357+00	360+47	STH 88	EDGE LINE LT	3,350					3,350	
4	391+85	598+60	STH 88	EDGE LINE LT	20,680					20,680	
4	599+25	1027+00	STH 88	EDGE LINE LT	42,780					42,780	
STAGE 4 SUBTOTAL 66,810											
5	357+00	360+50	STH 88	CENTERLINE (DOUBLE YELLOW)		700				700	
5	360+50	366+50	STH 88	CENTERLINE (SOLID & SKIP)		630				630	
5	366+50	396+50	STH 88	CENTERLINE (SKIP)		750				750	
5	396+50	410+00	STH 88	CENTERLINE (SOLID & SKIP)		150				150	
5	410+00	416+00	STH 88	CENTERLINE (SKIP)		2,000				2,000	
5	416+00	432+00	STH 88	CENTERLINE (SOLID & SKIP)		770				770	
5	432+00	482+50	STH 88	CENTERLINE (SKIP)		3,130				3,130	
5	482+50	487+50	STH 88	CENTERLINE (DOUBLE YELLOW)		3,200				3,200	
5	487+50	500+00	STH 88	CENTERLINE (SOLID & SKIP)		1,130				1,130	
5	500+00	512+00	STH 88	CENTERLINE (SKIP)		440				440	
5	512+00	530+00	STH 88	CENTERLINE (SOLID & SKIP)		1,130				1,130	
5	530+00	546+50	STH 88	CENTERLINE (DOUBLE YELLOW)		1,500				1,500	
5	546+50	553+25	STH 88	CENTERLINE (SOLID & SKIP)		850				850	
5	553+25	641+00	STH 88	CENTERLINE (SKIP)		2,200				2,200	
3	641+00	649+00	STH 88	CENTERLINE (SOLID & SKIP)		1,070				1,070	
3	649+00	688+00	STH 88	CENTERLINE (DOUBLE YELLOW)		730				730	
3	688+00	700+00	STH 88	CENTERLINE (SOLID & SKIP)		1,380				1,380	
3	700+00	702+75	STH 88	CENTERLINE (SKIP)		70				70	
3	702+75	719+00	STH 88	CENTERLINE (SOLID & SKIP)		2,040				2,040	
5	719+00	729+00	STH 88	CENTERLINE (SKIP)		250				250	
5	729+00	737+00	STH 88	CENTERLINE (SOLID & SKIP)		1,000				1,000	
5	737+00	765+00	STH 88	CENTERLINE (DOUBLE YELLOW)		5,600				5,600	
5	765+00	789+50	STH 88	CENTERLINE (SOLID & SKIP)		3,070				3,070	
5	789+50	798+50	STH 88	CENTERLINE (DOUBLE YELLOW)		1,200				1,200	
5	798+50	798+00	STH 88	CENTERLINE (SKIP)		70				70	
5	798+00	802+50	STH 88	CENTERLINE (SOLID & SKIP)		570				570	
5	802+50	811+50	STH 88	CENTERLINE (SKIP)		230				230	
5	811+50	819+00	STH 88	CENTERLINE (SOLID & SKIP)		940				940	
5	819+00	1027+00	STH 88	CENTERLINE (DOUBLE YELLOW)		41,000				41,000	
STAGE 5 SUBTOTAL 133,620											
PROJECT 7730-01-60 TOTAL 67,310											

NOTE: PAVEMENT MARKING LOCATIONS ARE APPROXIMATE AND WILL BE BASED ON THE AS-BUILT TO BE SUBMITTED BY THE CONTRACTOR.

PROJECT NUMBER: 7730-01-60 COUNTY: BUFFALO HWY: STH 88

FILE NAME: PAVEMENT MARKING Drawing 02000102 From 02000102.dwg

PRINTED DATE: 5/1/2016 10:51:11 AM

PLOT DATE: 12/28/2015

PLOT TIME: 08:25:08

**GENERAL NOTES**

THESE GENERAL NOTES APPLY TO SHEETS 14B7-14(a) THRU 14B7-14(d).  
DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" (CDTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2, AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE 3/4" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI. A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3/16" PIN BEND DIAMETER FOR BEND TESTS; THE LOOPS SHALL BE INSTALLED WITHIN 1/8" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

1 MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:

- a. TYPE: W/CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

2 F CHAMFER TO PREVENT SPALLING.

3 A 3/8" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED.

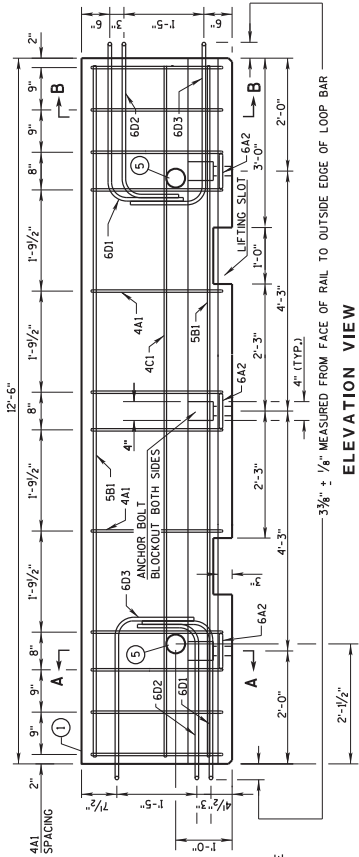
4 1/4" NOTCH IS OPTIONAL.

5 THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

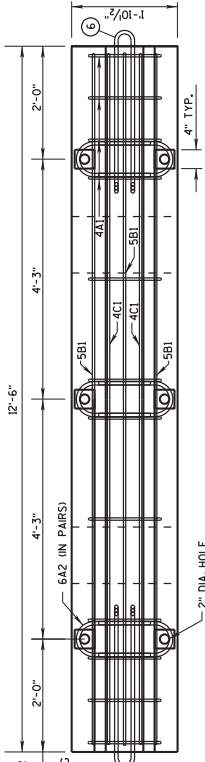
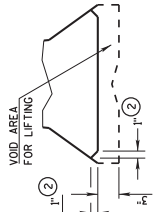
6 NEVER USE LOOP BARS 6D1, 6D2 OR 6D3 TO LIFT, MOVE OR REPOSITION THE BARRIER. USE DELINEATORS, CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING, INSTALL DELINEATORS ACCORDING TO MANUFACTURER'S INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCKED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

8 SEE SHEET D FOR ANCHORING CRITERIA.

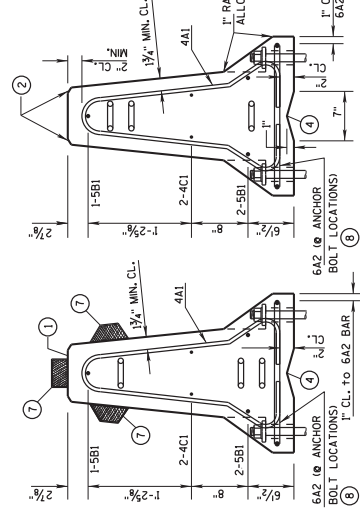
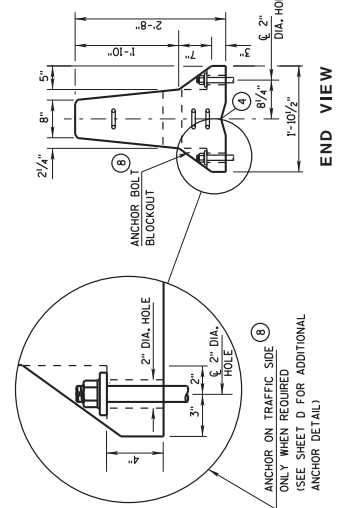
9 F CHAMFER OPTIONAL.



**DETAIL "B" LIFTING SLOT DETAIL**

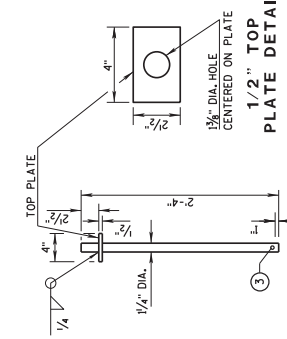


**PLAN VIEW**

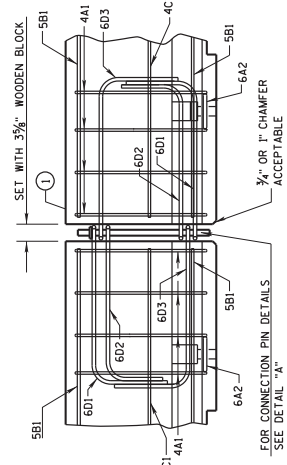


**SECTION A-A (STRUTUP PLACEMENT)**

**DETAILS OF BARRIER SECTION**



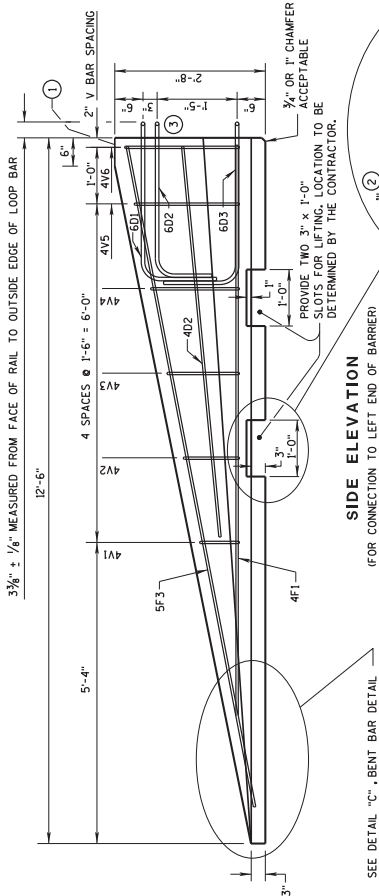
**DETAIL "A" CONNECTION PIN (A36 STEEL (10.5 LB EACH))**



**DETAILS OF BARRIER CONNECTION**

Addendum No. 02  
ID 7730-01-60  
Added Sheet 47A  
February 3, 2016

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



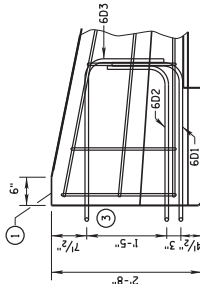
SEE DETAIL "C" - BENT BAR DETAIL

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

PROVIDE TWO 3" x 1'-0" SLOTS FOR LIFTING. LOCATION TO BE DETERMINED BY THE CONTRACTOR.

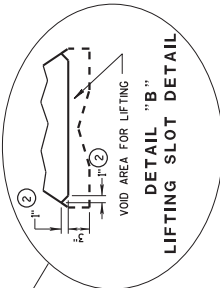
3/4" OR 1" CHAMFER ACCEPTABLE

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

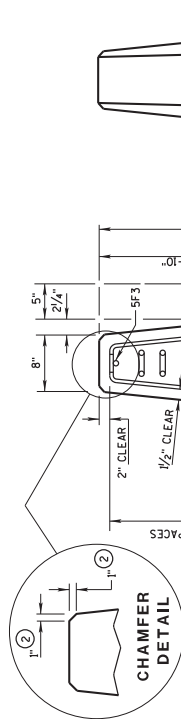


**GENERAL NOTES**

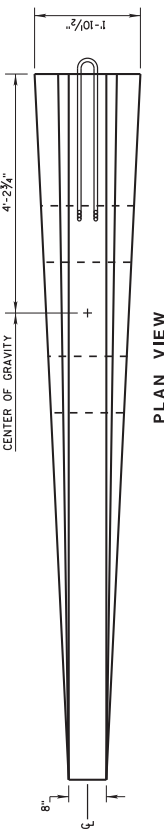
- 1 MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:  
a. TYPE W/CBTP  
b. MANUFACTURER  
c. DATE MANUFACTURED (MONTH AND YEAR)
- 2 1" CHAMFER TO PREVENT SPALLING.
- 3 NEVER USE LOOP BARS (601, 602 OR 603) TO LIFT, MOVE OR REPOSITION THE BARRIER.



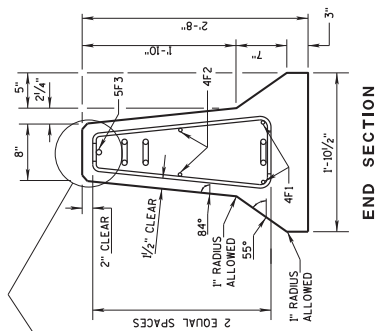
**DETAIL "B" - LIFTING SLOT DETAIL**



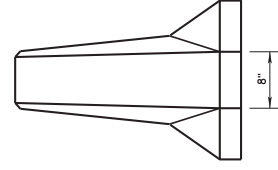
**CHAMFER DETAIL**



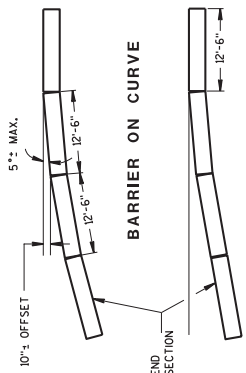
**PLAN VIEW**



**END SECTION**



**FRONT ELEVATION**



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

Addendum No. 02  
ID 7730-01-60  
Added Sheet 47B  
February 3, 2016

**DETAILS OF BARRIER TAPER SECTION**

CONCRETE BARRIER  
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

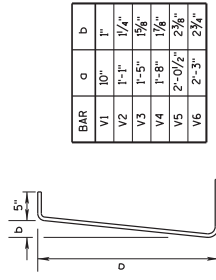
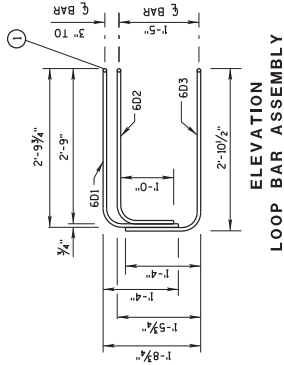
① NEVER USE LOOP BARS (601, 602 OR 603) TO LIFT, MOVE OR REPOSITION THE BARRIER.

**BARRIER TAPER SECTION  
BILL OF MATERIALS**  
(PER 12'-6" BARRIER TAPER SECTION)

BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-5"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"

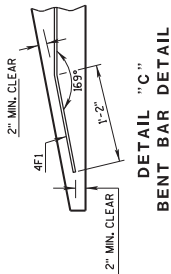
  

LOOP ASSEMBLY		
601	6	1
602	6	1
603	6	1



BAR	a	b
V1	10"	1"
V2	1'-1"	1/4"
V3	1'-5"	1/4"
V4	1'-8"	1/4"
V5	2'-0 1/2"	2 3/4"
V6	2'-3"	2 3/4"

**4V BARS**  
2 AT EACH SIZE REQUIRED FOR STRIPUP ASSEMBLY



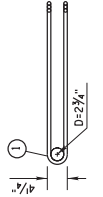
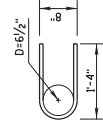
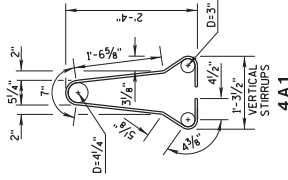
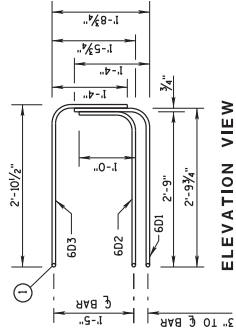
**TAPER BARRIER SECTION**

**BARRIER SECTION  
BILL OF MATERIALS**  
(PER 12'-6" BARRIER SECTION)

BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"

LOOP ASSEMBLY		
601	6	2
602	6	2
603	6	2



**PLAN VIEW**

**LOOP BAR ASSEMBLY**

(MARKED END SHOWN, INVERT FOR OTHER END)

**BARRIER SECTION**

Addendum No. 02  
ID 7730-01-60  
Added Sheet 47C  
February 3, 2016

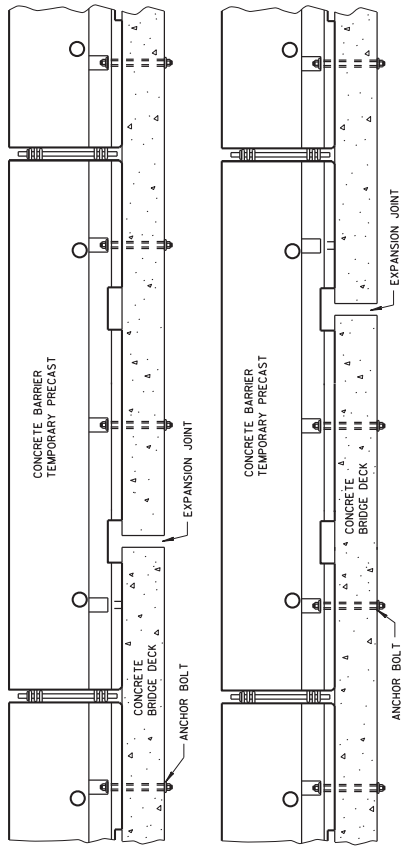
CONCRETE BARRIER  
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



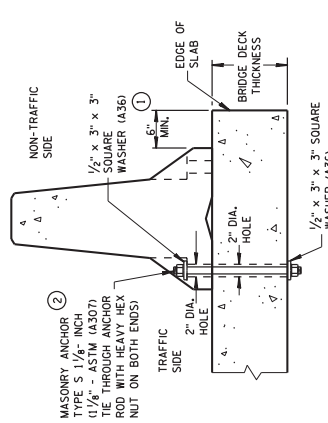
**GENERAL NOTES**

- ① CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
  - (A) THE DISTANCE FROM THE EDGE OF THE DROPOFF TO THE EDGE OF PAVEMENT, IS GREATER THAN 3H + 1V.
  - (B) THE DISTANCE FROM THE EDGE OF A BRIDGE DECK OR DROPOFF TO THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR
  - (C) THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 40 MPH OR LESS.
- ② ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST. WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1 1/8-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS. UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALL ANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CONCRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERCIAL GROUT OR MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.
- ③ 1/2" DIAMETER A307 THREADED ROD, 1/2" x 3" x 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL, ASTM A563A HEAVY HEX NUT.
- ④ ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5/4" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.



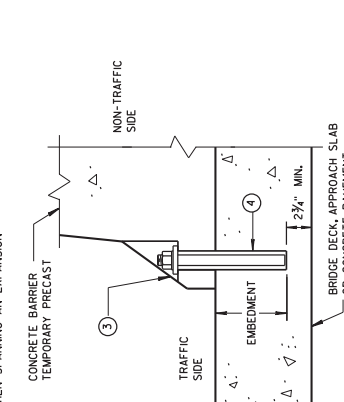
**TREATMENT AT BRIDGE DECK EXPANSION JOINTS**

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)



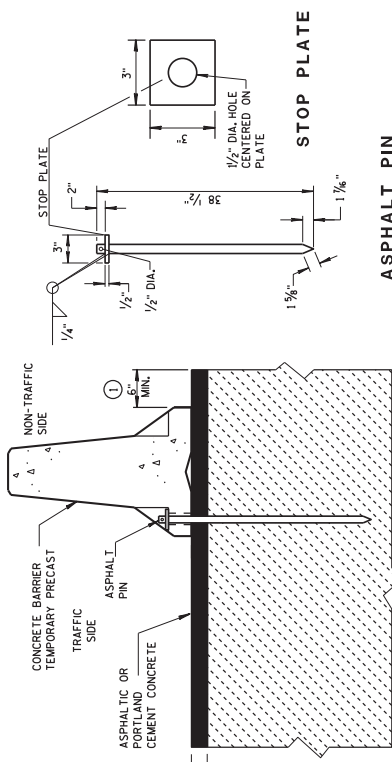
**THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK**

(DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)



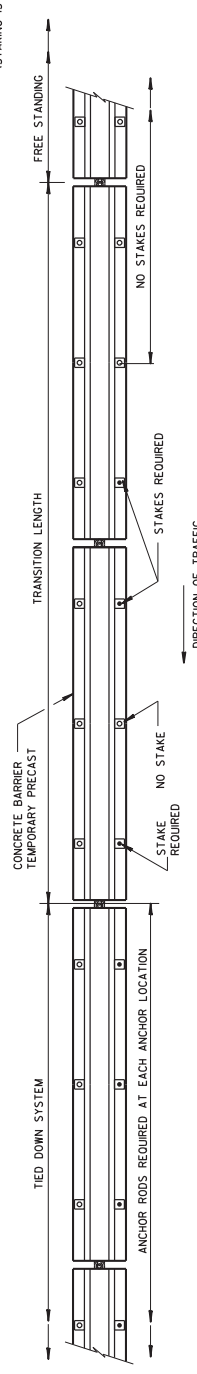
**REMOVABLE ADHESIVE BONDED ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT**

(DO NOT USE ON CONCRETE WITH AN ASPHALT OVERLAY)



**STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE**

(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



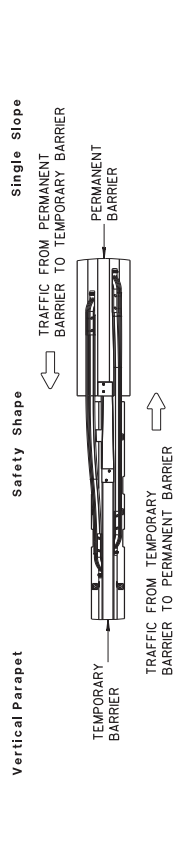
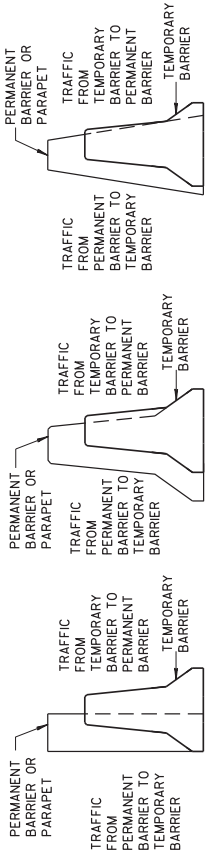
**FREE STANDING TRANSITION TO TIED-DOWN SYSTEM**

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

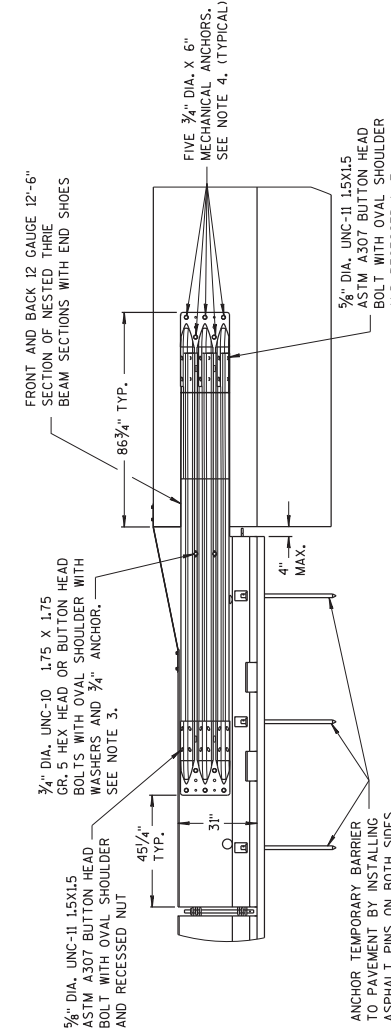
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

Addendum No. 02  
ID 7730-01-60  
Added Sheet 47D  
February 3, 2016



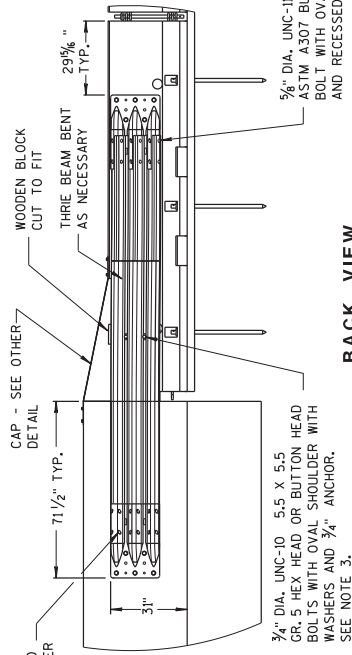


**TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM**

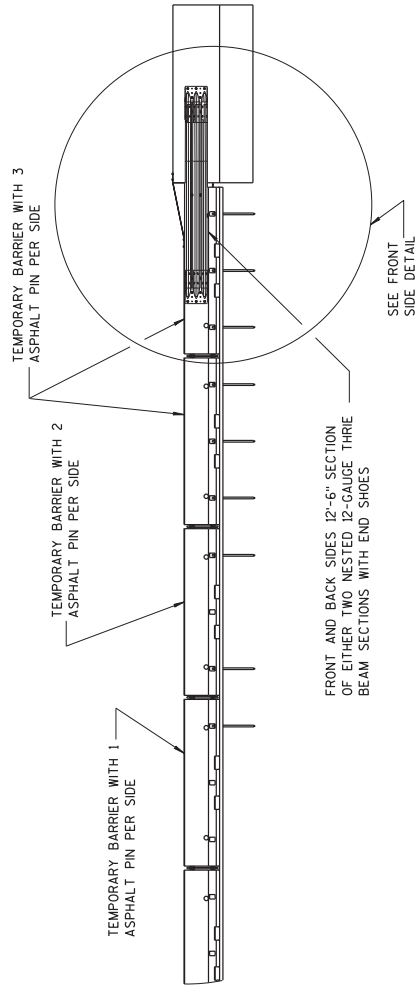


**FRONT VIEW**

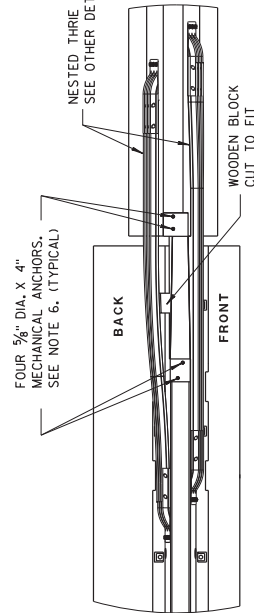
- NOTES**
- NESTED THRE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.
  - CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
  - THRE BEAM PIECES ARE OFFSET 15/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
  - MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
  - MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
  - MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN FOR CONCRETE OPTION SEE OTHER DETAILS.
  - MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



**BACK VIEW**



**FRONT VIEW**



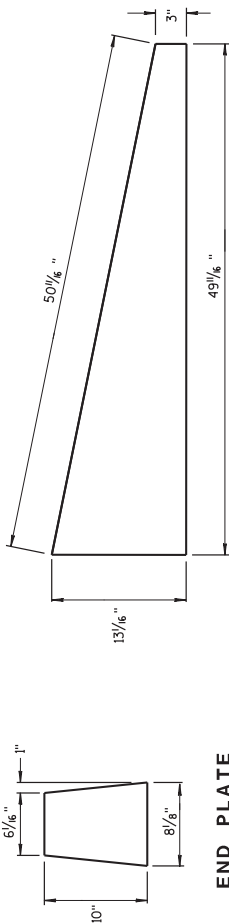
**PLAN VIEW**

**BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM**

CONCRETE BARRIER  
TEMPORARY PRECAST, 12'-6"

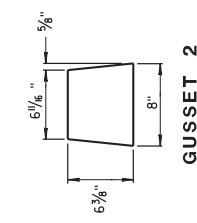
Addendum No. 02  
ID 7730-01-60  
Added Sheet 47E  
February 3, 2016

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

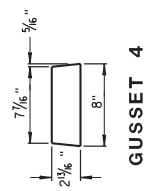


SIDE PLATE

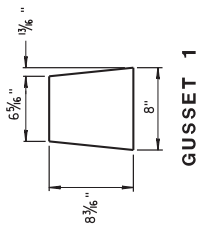
END PLATE



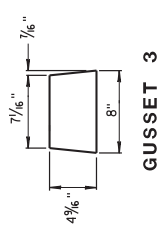
GUSSET 2



GUSSET 4

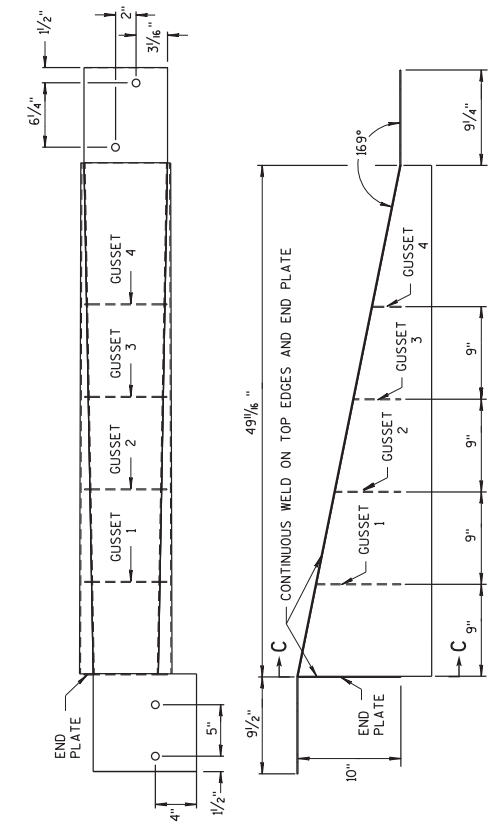


GUSSET 1



GUSSET 3

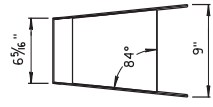
GUSSETS



TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.



SECTION C-C

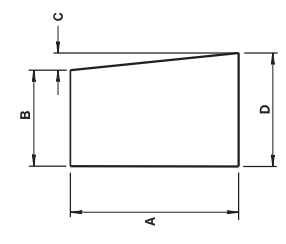
- NOTES
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
  2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

Addendum No. 02  
 ID 7730-01-60  
 Added Sheet 47F  
 February 3, 2016

CONCRETE BARRIER  
 TEMPORARY PRECAST, 12'-6"

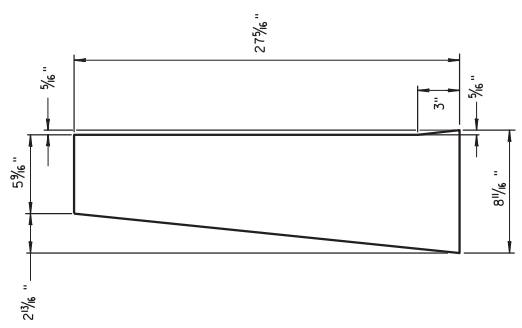
STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION



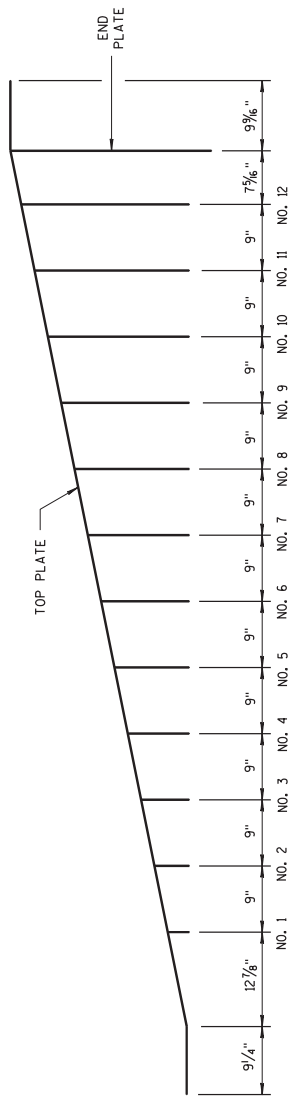
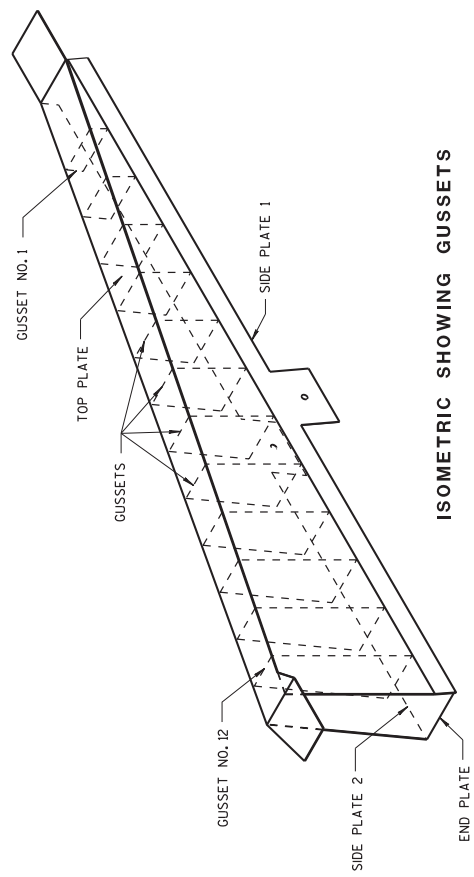
**GUSSETS 1 - 12**  
ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 1/8"	7 3/8"	1/2"	8
3	6 1/2"	7 7/8"	3/4"	8 1/16"
4	8 5/8"	7 3/8"	7/8"	8 1/16"
5	10 7/8"	7"	1 1/16"	8 1/16"
6	11 1/8"	6 1/4"	1 1/4"	8 1/16"
7	13 3/4"	6 5/8"	1 7/8"	8 1/16"
8	15 9/16"	6 7/8"	1 3/4"	8 1/16"
9	17 3/8"	6 1/4"	1 9/16"	8 1/16"
10	19 3/16"	6 1/16"	1 5/8"	8 1/16"
11	21"	5 7/8"	2 3/8"	8 1/16"
12	22 9/16"	5 1/2"	2 5/8"	8 1/16"

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.  
GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES.  
TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



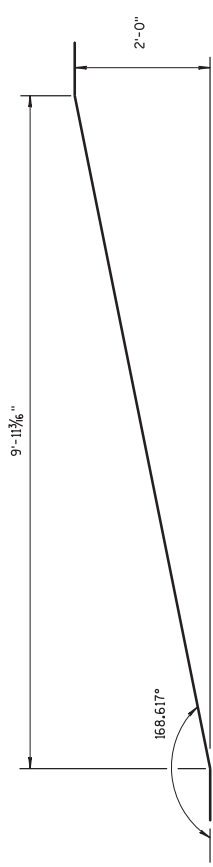
**END PLATE**  
1/8" STEEL PLATE



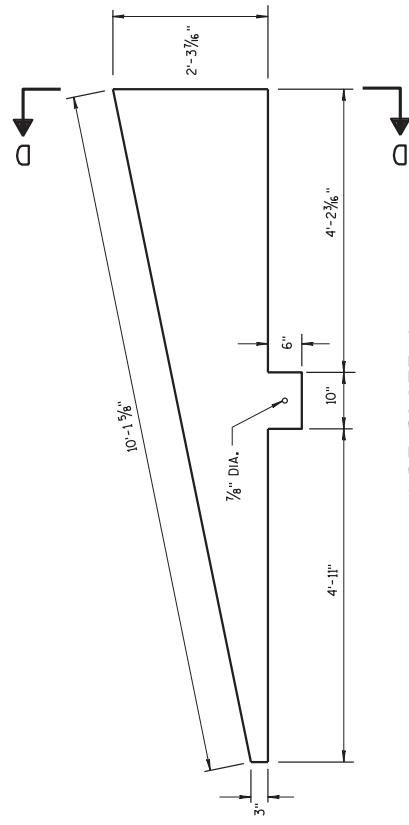
Addendum No. 02  
ID 7730-01-60  
Added Sheet 47G  
February 3, 2016

**CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER**

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



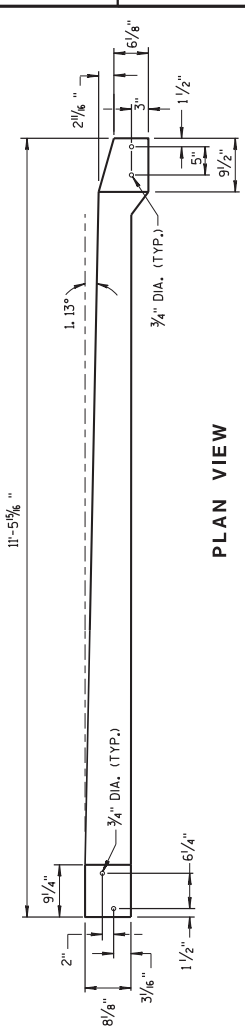
SIDE VIEW  
TOP PLATE



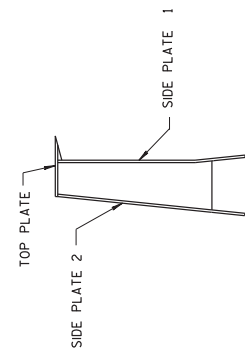
SIDE PLATE 2



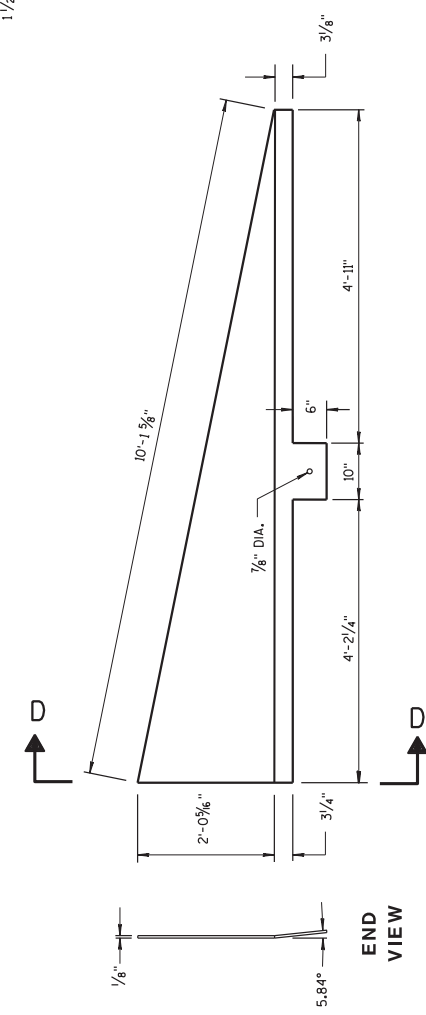
END VIEW



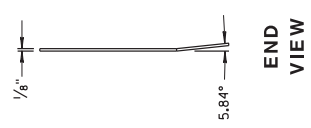
PLAN VIEW  
TOP PLATE



SECTION D-D



SIDE PLATE 1



END VIEW

Addendum No. 02  
ID 7730-01-60  
Added Sheet 47H  
February 3, 2016

CONCRETE BARRIER  
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
June 2014  
DATE  
/S/ JERRY H. ZOGG  
ROADWAY STANDARD DEVELOPMENT  
ENGINEER  
FHWA

CAP DETAILS FOR TEMPORARY CONCRETE  
BARRIER TO 56" PERMANENT CONCRETE BARRIER

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20160209027PROJECT(S):  
7730-01-60FEDERAL ID(S):  
N/A

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0440	643.0100 Traffic Control (project) 01. 7730-01-60	1.000 EACH	.		.	
0450	643.0300 Traffic Control Drums	880.000 DAY	.		.	
0460	643.0420 Traffic Control Barricades Type III	40.000 DAY	.		.	
0470	643.0715 Traffic Control Warning Lights Type C	400.000 DAY	.		.	
0480	643.0900 Traffic Control Signs	2,500.000 DAY	.		.	
0490	646.0106 Pavement Marking Epoxy 4-Inch	133,620.000 LF	.		.	
0500	646.0600 Removing Pavement Markings	200.000 LF	.		.	
0510	648.0100 Locating No-Passing Zones	12.000 MI	.		.	
0520	649.0402 Temporary Pavement Marking Paint 4-Inch	67,210.000 LF	.		.	
0530	650.8000 Construction Staking Resurfacing Reference	66,810.000 LF	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20160209027PROJECT(S):  
7730-01-60FEDERAL ID(S):  
N/A

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0540	650.9910 Construction Staking Supplemental Control (project) 01. 7730-01-60	LUMP	LUMP			.
0550	690.0150 Sawing Asphalt	192.000 LF	.			.
0560	SPV.0060 Special 01. Reestablish Section Corner Monuments	2.000 EACH	.			.
0570	SPV.0180 Special 01. Full Depth HMA Repair	1,000.000 SY	.			.
0580	SPV.0195 Special 01. HMA Pavement Type E-3 Special	29,150.000 TON	.			.
0590	646.0406 Pavement Marking Same Day Epoxy 4-Inch	87,390.000 LF	.			.
0600	603.8000 Concrete Barrier Temporary Precast Delivered	250.000 LF	.			.
0610	603.8125 Concrete Barrier Temporary Precast Installed	500.000 LF	.			.
0620	649.1400 Temporary Pavement Marking Stop Line Removable Tape 24-Inch	40.000 LF	.			.
	SECTION 0001 TOTAL					.
	TOTAL BID					.