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WIS APR 13 ORDER OF SHEETS

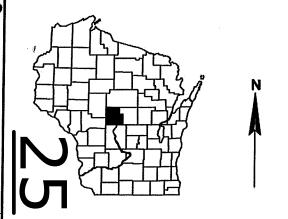
> Section No. 1 Section No. 2 Typical Sections and Details Section No. 3 Estimate of Quantities

Section No. 3 Miscellaneous Quantitles Right of Way Plat-

-Plan and Profile Section No. 6 Standard Detail Drawings Section No. 7 Sign Plotes

Section No. 8 Structure Plans Section No. 9 Computer Earthwork Data-Section No. 9 Cross Sections

TOTAL SHEETS = 22



DESIGN DESIGNATION

= 1,400 A.A.D.T. = N/A D.H.V. = N/A = N/A D.D. = N/A DESIGN SPEED = N/A ESALS = N/A

CONVENTIONAL SYMBOLS

PLAN CORPORATE LIMITS PROPERTY LINE LOT LINE EXISTING RIGHT OF WAY

LIMITED HIGHWAY EASEMENT PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT PROPOSED CULVERT (Box or Pipe)

COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA

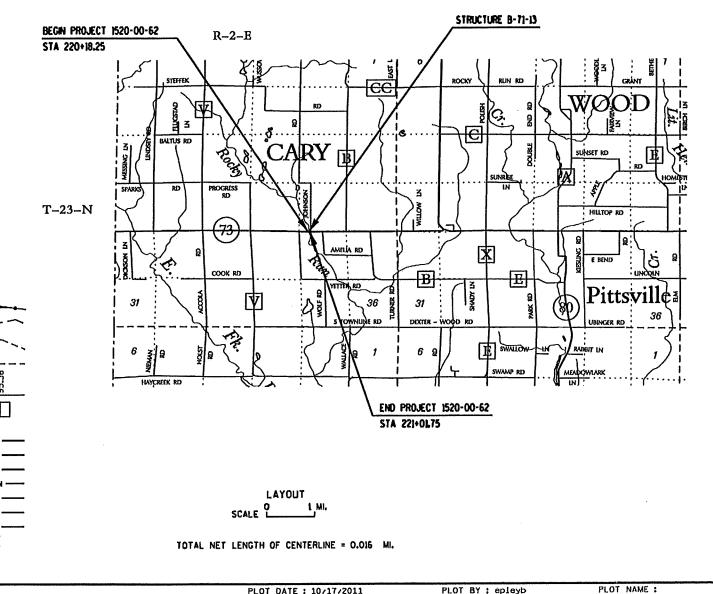
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

PITTSVILLE - NEILLSVILLE

ROCKY RUN BRIDGE B-71-13 STH 73 WOOD COUNTY

> STATE PROJECT NUMBER 1520-00-62



FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 1520-00-62

> WILSON E-22940 NEENAH, STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION REPARED BY Surveyor ONPHN ASSOCIATES KEVIN GARRIGAN, P.E. CHERYL SMON, P.E. APPROVED FOR THE DEPARTMENT

PROFILE

GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

STORM SEWER TELEPHONE

WATER

ELECTRIC

GRADE ELEVATION

MARSH OR ROCK PROFILE

CULVERT (Profile View)

(To be noted as such)

PLOT BY : epleyb

2

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES ARE NOT SHOWN ON THE PLANS. THERE MAY BE UTILITY FACILITIES WITHIN THE PROJECT AREA, BUT NO CONFLICTS ARE ANTICIPATED.

THERE ARE NO KNOWN UTILITIES ON THE EXISTING BRIDGE.

CONSIDER DIMENSIONS GIVEN FOR EXISTING FEATURES AS APPROXIMATE AND MEASURE FEATURES IN THE FIELD FOR MATCHING PURPOSES.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE THE NORMAL CONSTRUCTION LIMITS.

CONTACTS

DNR LIAISON

MARC HERSHFIELD

DEPARTMENT OF NATURAL RESOURCES

473 GRIFFITH AVENUE WISCONSIN RAPIDS, WI 54494

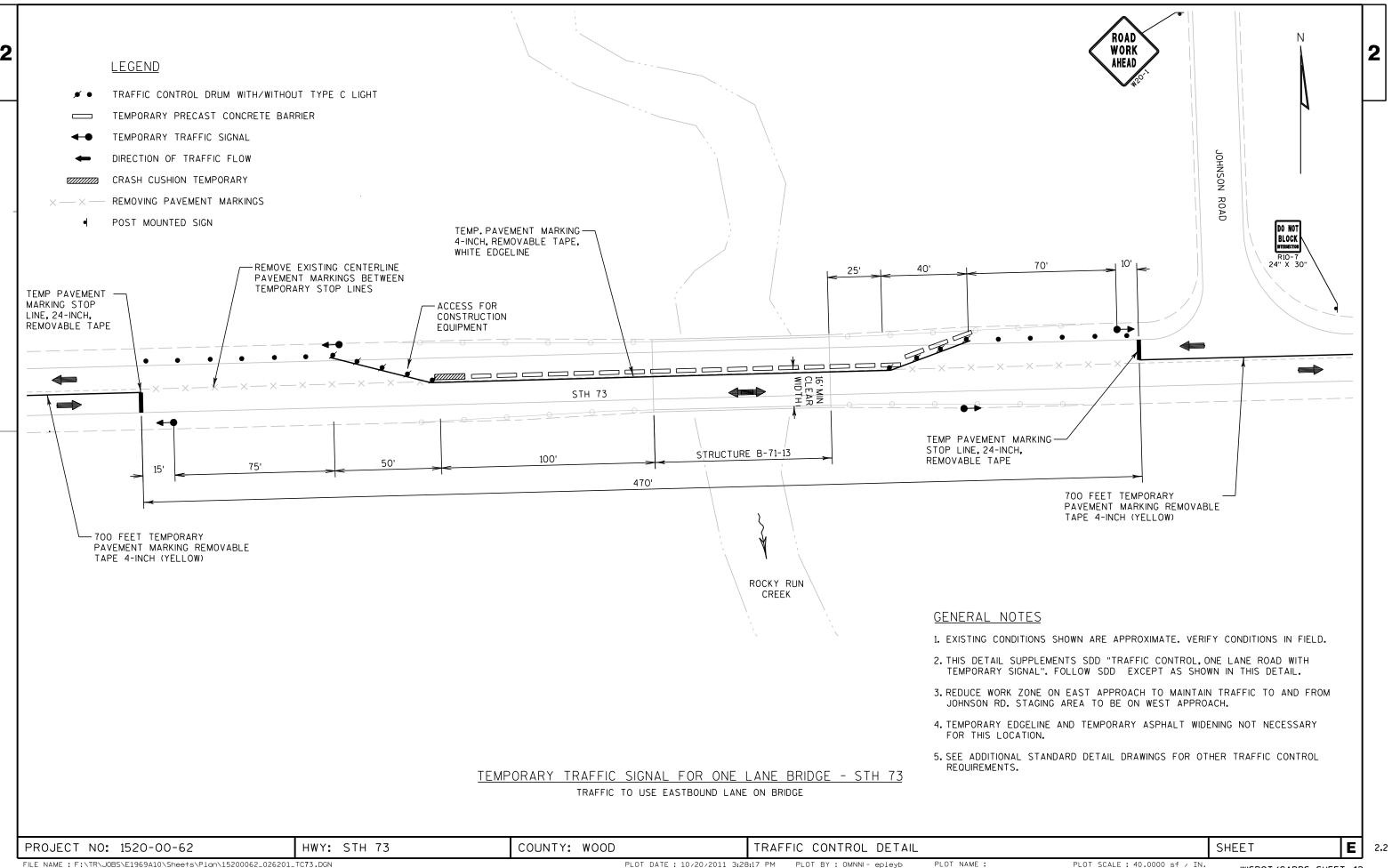
TELEPHONE: 715-421-7867

EMAIL: marc.hershfield@wisconsin.gov



Toll Free (800) 242-8511 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

PROJECT NO: 1520-00-62 HWY: STH 73 COUNTY: WOOD GENERAL NOTES SHEET: E | 2.1



SEQUENCE OF OPERATIONS STRUCTURE: B - 71 - 13 STH 73 PRE - TIMED CYCLE 1 = 80 SECONDS TIME: ALL DAY NB SB INTERVAL % OF INTERVAL LENGTH B1, B2 CYCLE A1, A2 (SEC) PHASE A G R 16 20.0% CLEARANCE 5.0% Υ R 4 CLEARANCE R R 20 25.0% PHASE B R G 16 20.0% CLEARANCE 5.0% R 4 CLEARANCE R R 20 25.0% 80 100%

NOTE: G = GREEN

Y = YELLOW R = RED

PROJECT NO: 1520-00-62 HWY: STH 73 COUNTY: WOOD SEQUENCE OF OPERATIONS SHEET: E 2

FILE NAME: F:\TR\JOBS\E1969A10\SHEETS\15200062_020101 gn ORIGINATOR: OMNNI ASSOCIATES ORIG. DATE: 3/22/2011 REV. DATE: 8/16/2011 PRINT DATE: 8/16/2011

DATE 12	FEB13	EST	IMATE	E OF QUAN	
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	1520-00-62 QUANTI TY
0010		S STRUCTURE REPAINTING RECYCLED ABRASIVE	LS	1. 000	1. 000
0010	517. 1600. 3	(STRUCTURE) 01. B-71-13	LJ	1.000	1.000
0020	E17 4E00 C	S NEGATIVE PRESSURE CONTAINMENT AND	LS	1. 000	1. 000
0030	517. 4500. 5		LS	1.000	1.000
		COLLECTION OF WASTE MATERIALS (STRUCTURE) 01. B-71-13			
0050	E17 (001 C		FACII	1 000	1 000
0050		S PORTABLE DECONTAMINATION FACILITY	EACH	1. 000	1.000
0060	603. 8000	CONCRETE BARRIER TEMPORARY PRECAST	LF	250. 000	250. 000
0070	(00 0405	DELI VERED		050 000	050 000
0070	603. 8125	CONCRETE BARRIER TEMPORARY PRECAST	LF	250. 000	250. 000
		INSTALLED			
0000	(14 0005	CDACH CHCHIONC TEMPODADY	FACIL	1 000	1 000
0080	614. 0905	CRASH CUSHIONS TEMPORARY	EACH	1. 000	1.000
0100	619. 1000	MOBILIZATION	EACH	0. 500	0.500
0110	643. 0100	TRAFFIC CONTROL (PROJECT) 01. 1520-00-62	EACH	1. 000	1.000
0130	643. 0300	TRAFFIC CONTROL DRUMS	DAY	700. 000	700. 000
0140	643. 0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	40. 000	40. 000
0150	643. 0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	80.000	80. 000
0160	643. 0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	200.000	200.000
0170	643. 0900	TRAFFIC CONTROL SIGNS	DAY	580. 000	580. 000
0180	646. 0106	PAVEMENT MARKING EPOXY 4-INCH	LF	120. 000	120. 000
0190	646. 0600	REMOVING PAVEMENT MARKINGS	LF	120.000	120.000
0200	649. 0400	TEMPORARY PAVEMENT MARKING REMOVABLE	LF	1, 720. 000	1, 720. 000
		TAPE 4-INCH			
0210	649. 1400	TEMPORARY PAVEMENT MARKING STOP LINE	LF	30.000	30.000
		REMOVABLE TAPE 24-INCH			
0220	661. 0100	TEMPORARY TRAFFIC SIGNALS FOR BRIDGES	LS	1. 000	1.000
		(STRUCTURE) 01. B-71-13			

CONCRETE BARRIER TEMPORARY PRECAST

	603. 8000	603. 8125	614. 0905	
	CONCRETE BARRIER	CONCRETE BARRIER		
	TEMPORARY	TEMPORARY	CRASH	
	PRECAST	PRECAST	CUSHI ONS	
	DELI VERED	I NSTALLED	TEMPORARY	
LOCATI ON	LF	LF	EACH	REMARKS
STH 73	250	250	1	
TOTALS	250	250	1	

TRAFFIC CONTROL

		643.	643. 0300		0420	643	. 0705	643. 0715		643. 0900		661. 0100. 01	
												TEMPORARY	
						WARNI NG		WARNI NG		r		TRAFFI C	
	SERVI CE			BARF	RI CADES		LI GHTS		LI GHTS			SI GNALS	
	PERI OD		DRUMS	TY	PE III		TYPE A		TYPE C		SI GNS	FOR BRIDGES	
LOCATI ON	DAYS	NO	DAYS	NO	DAYS	NO	DAYS	NO	DAYS	NO	DAYS	LS	REMARKS
INSTALL/REMOVAL FOR TEMPORARY SIGNAL	5	30	150		0		0		0	10	50		
TEMPORARY SI GNAL	20	25	500	2	40	4	80	10	200	24	480	1	
UNDI STRI BUTED			50								50	-	
	TOTALS		700		40		80		200		580	1	

PAVEMENT MARKING

	646. 0106	646. 0600	****	****	649. 0400	649. 1400
			TEMPORARY	TEMPORARY	TEMPORARY	TEMPORARY
			PAVT MARKING	PAVT MARKING	PAVEMENT	PAVT MARKING
			REMOVABLE	REMOVABLE	MARKI NG	STOP LINE
	EPOXY	REMOVI NG	TAPE	TAPE	REMOVABLE	REMOVABLE
	4- I NCH	PAVEMENT	4- I NCH	4-INCH	TAPE	TAPE
	(YELLOW)	MARKI NGS	(WHI TE)	(YELLOW)	4- I NCH	24- I NCH
LOCATI ON	LF	LF	LF	LF	LF	LF
STH 73 ALONG CONCRETE BARRIER	0	0	320	0	320	
STH 73 CENTERLINE	120	120	0	1, 400	1, 400	30
TOTALS	120	120	320	1, 400	1, 720	30

**** FOR INFORMATION ONLY.

ORIGINATOR: OMNNI ASSOCIATES

PROJECT NO: 1520-00-62 HWY: STH 73 COUNTY: WOOD MISCELLANEOUS QUANTITIES SHEET E

REV. DATE: 10/17/2011

PRINT DATE: 10/17/2011

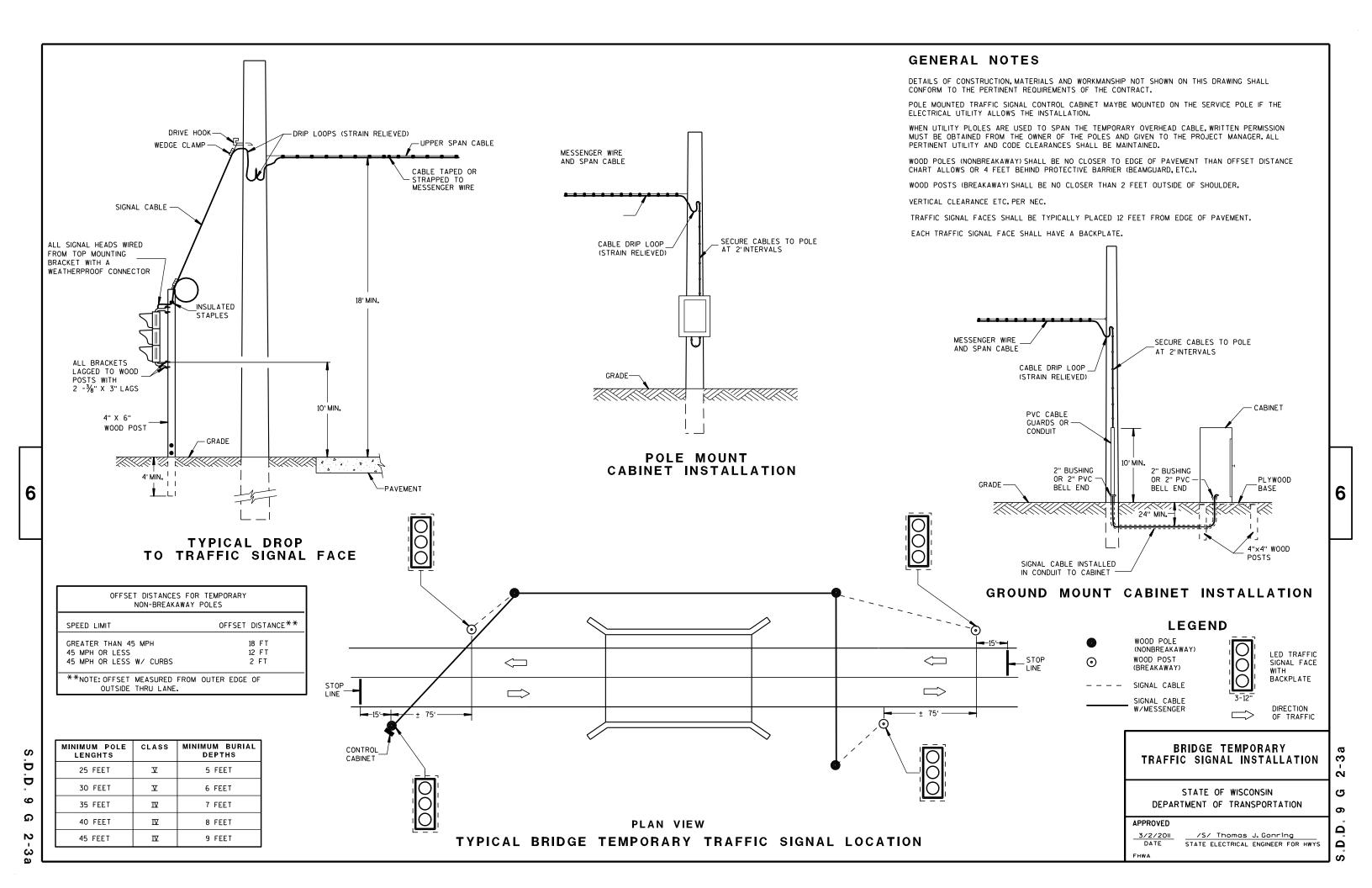
ORIG. DATE: 08/03/11

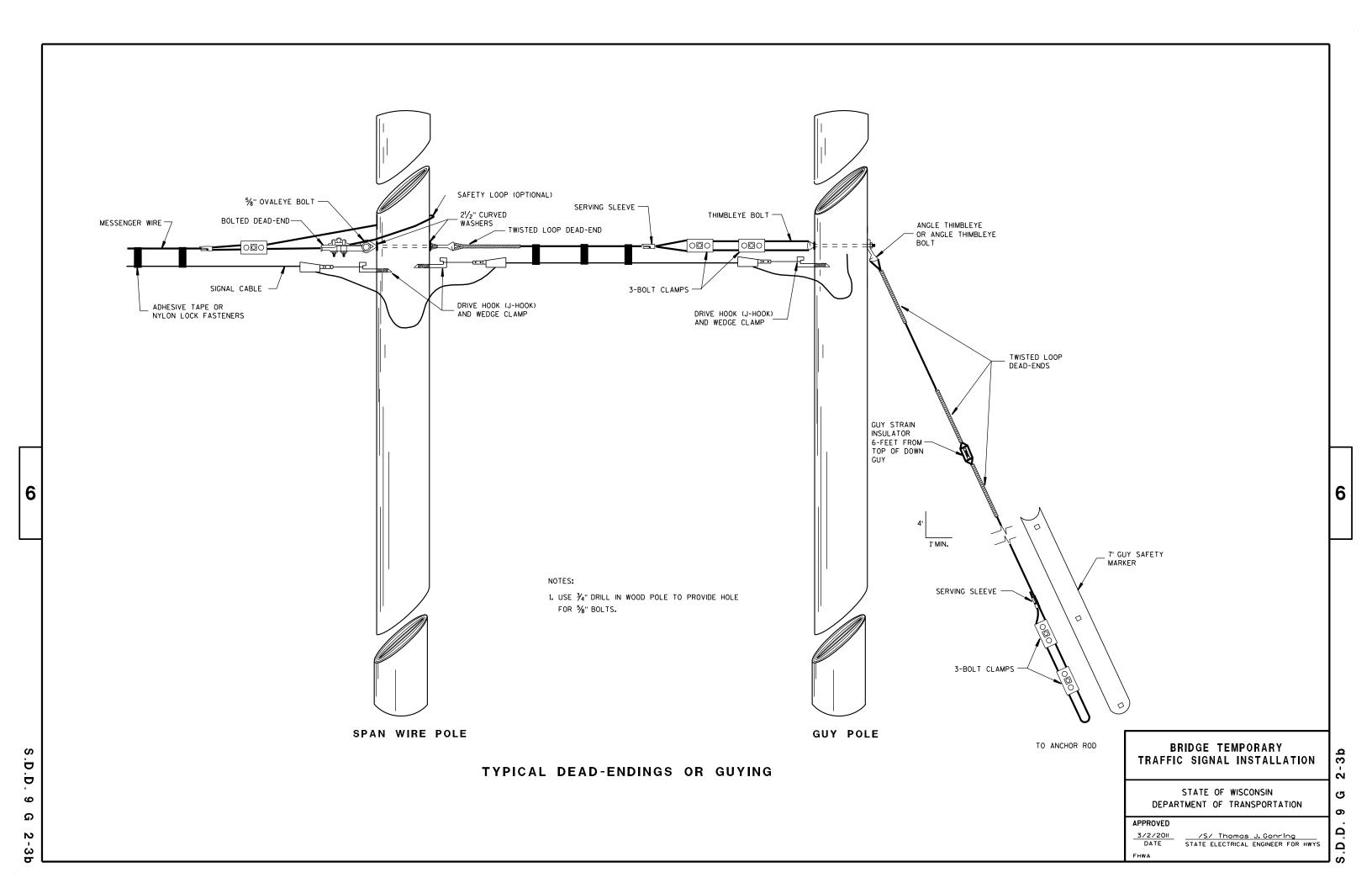
Standard Detail Drawing List

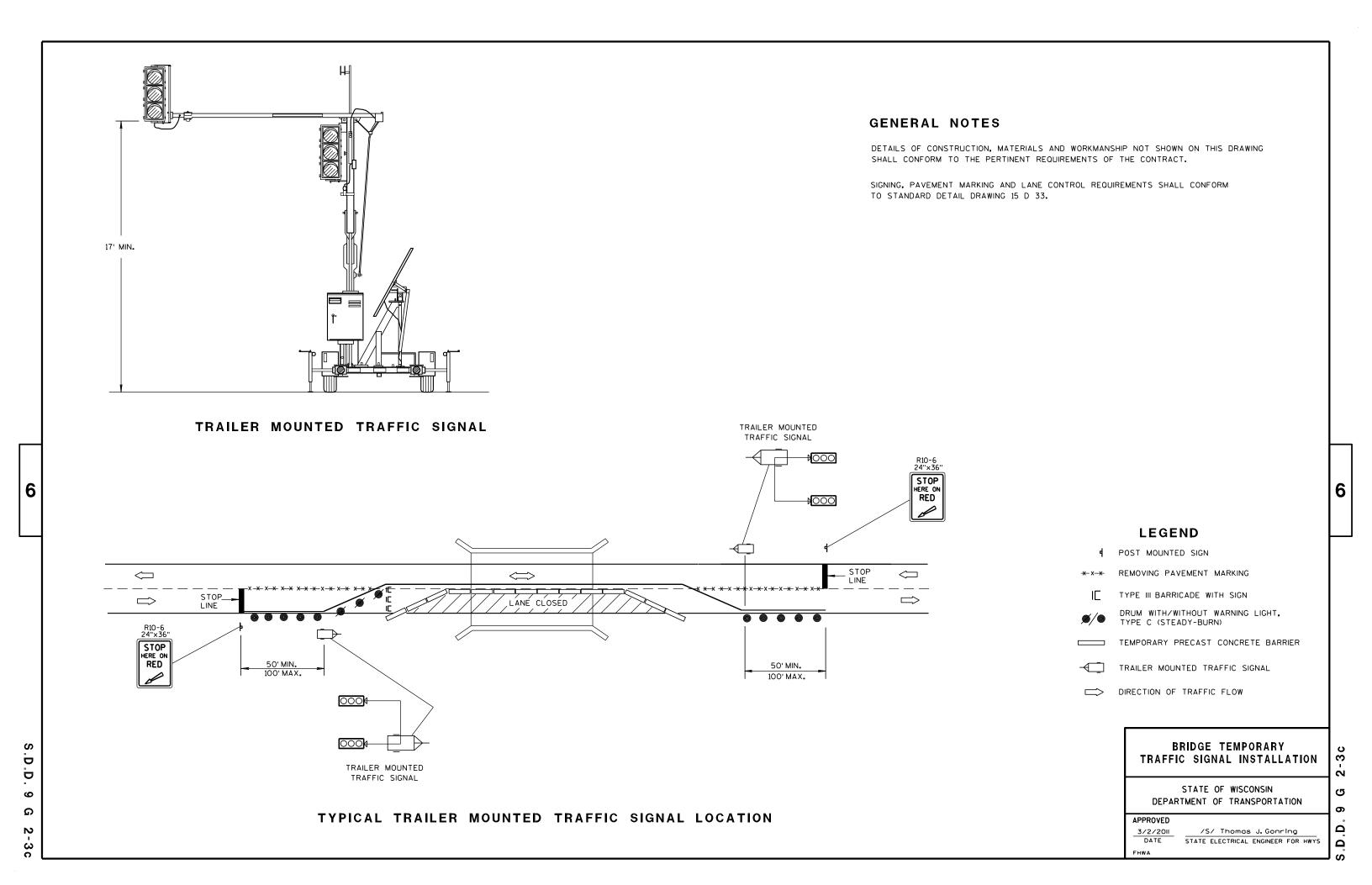
09G02-03A	BRIDGE TEMPORARY	TRAFFIC SIGNAL INST	TALLATI ON
09G02-03B	BRIDGE TEMPORARY	TRAFFIC SIGNAL INST	TALLATI ON
09G02-03C	BRIDGE TEMPORARY	TRAFFIC SIGNAL INST	TALLATI ON
14B07-13A	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13B	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13C	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13D	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13E	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13F		TEMPORARY PRECAST,	
14B07-13G	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13H	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
15C08-15A	PAVEMENT MARKING	(MAINLINE)	
15D33-02	TRAFFIC CONTROL,	ONE LANE ROAD WITH	TEMPORARY SIGNALS

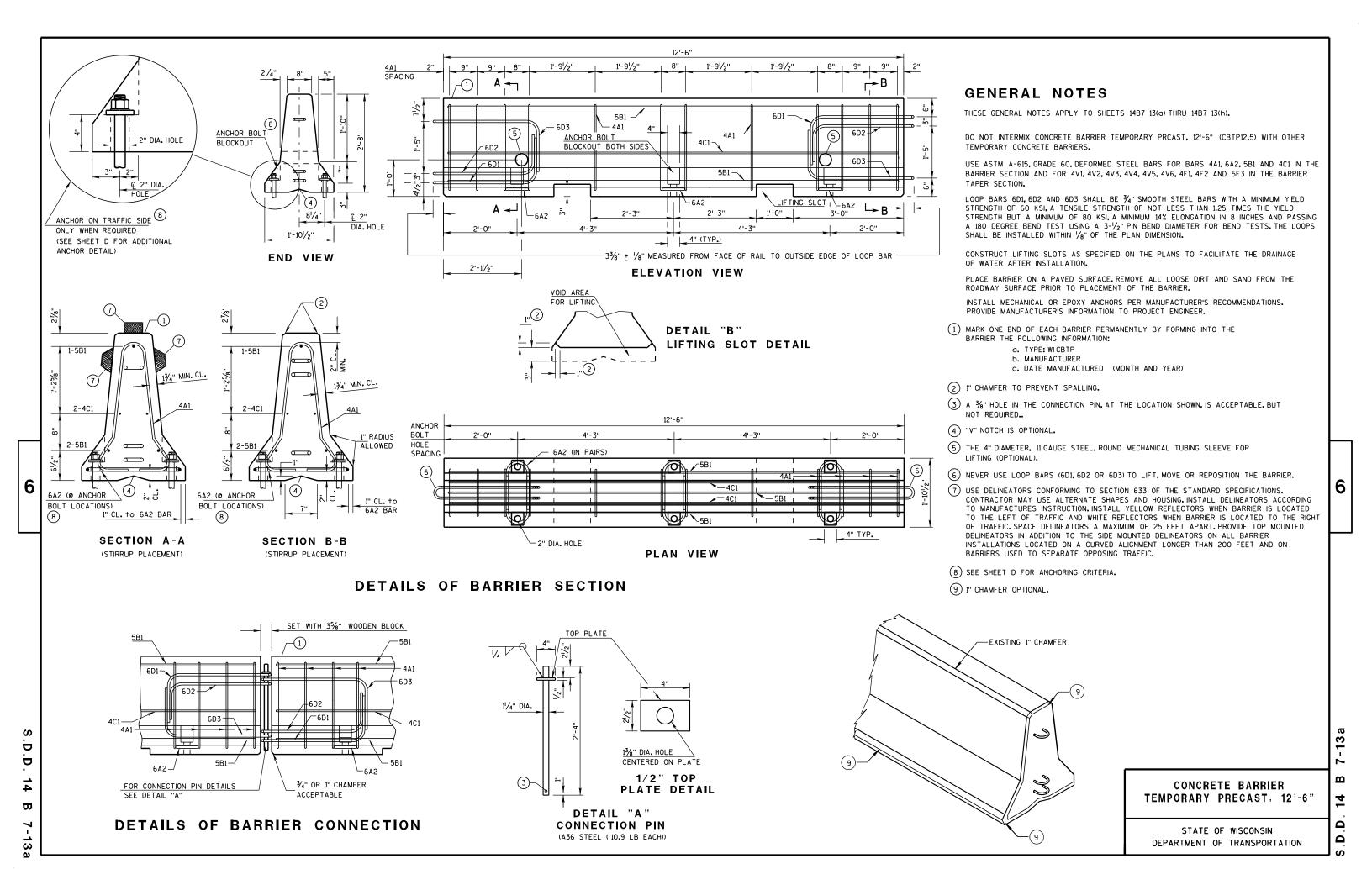
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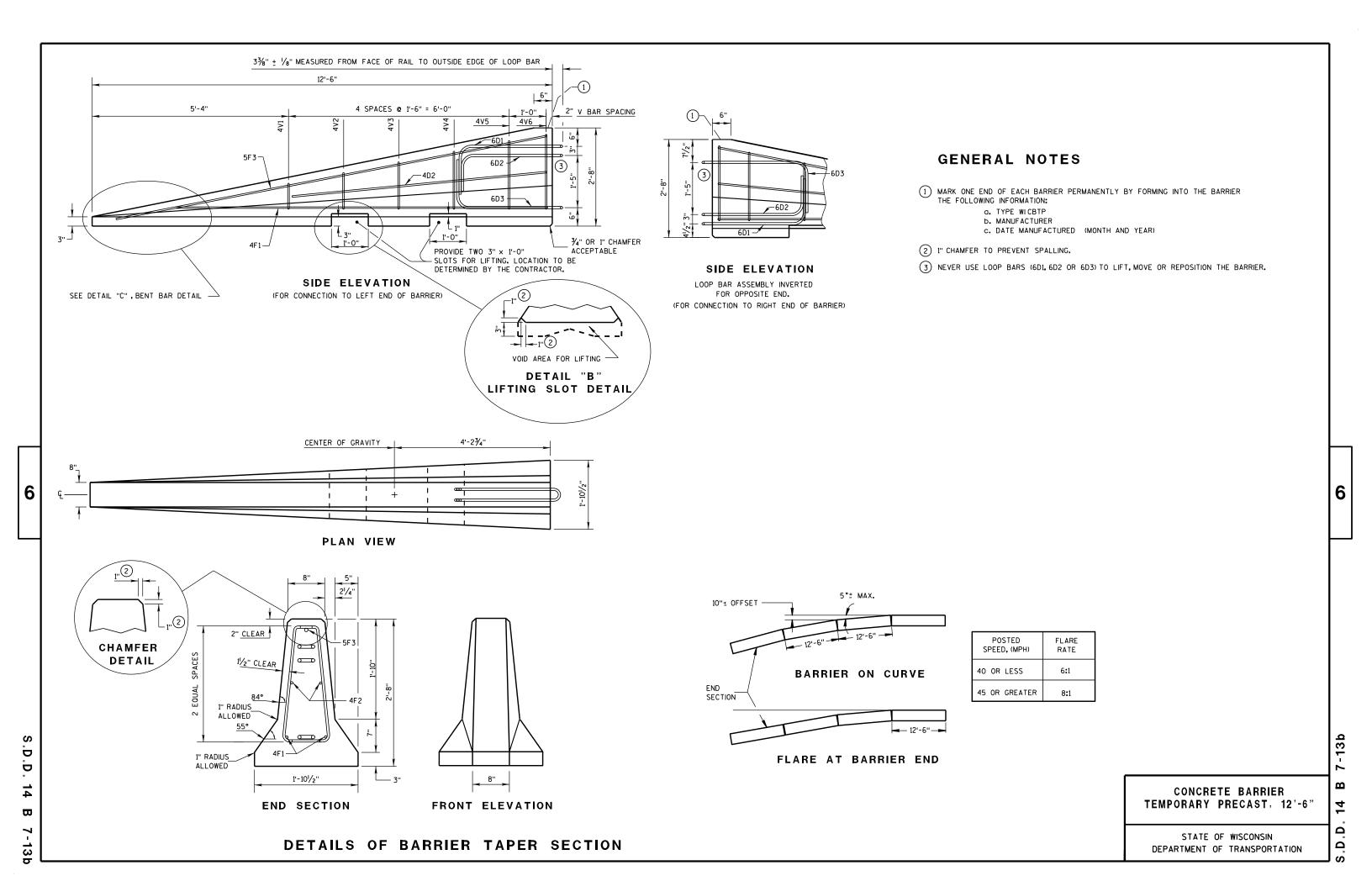
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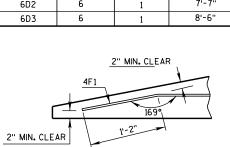






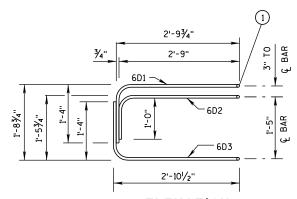


BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9''
L	OOP AS	SSEMBL	Υ
6D1	6	1	8'-5"
6D2	6	1	7'-7''
6D3	6	1	8'-6"

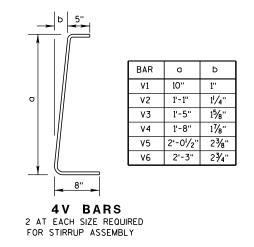


DETAIL "C"

BENT BAR DETAIL





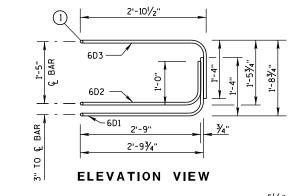


TAPER BARRIER SECTION

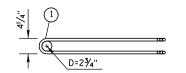
BARRIER SECTION

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"
L	OOP AS	SSEMBL	Υ
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"

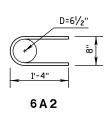


1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

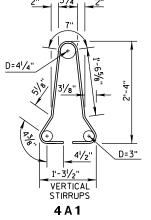


PLAN VIEW LOOP BAR ASSEMBLY

(MARKED END SHOWN, INVERT FOR OTHER END)



GENERAL NOTES



BARRIER SECTION

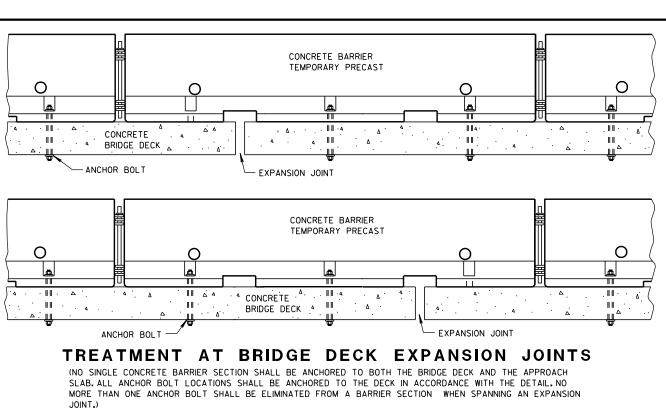
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

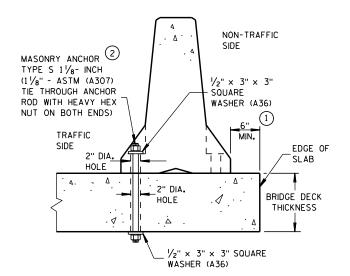
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

CONCRETE BARRIER TEMPORARY PRECAST MASONRY ANCHOR TYPE S 1 1/8- INCH . 🗸 $(1\frac{1}{8}" - ASTM (A307)$ ADHESIVE BONDED ANCHOR NON-TRAFFIC WITH HEAVY HEX NUT SIDE AND 1/2" X 3" X 3" SQUARE WASHER (A36)) TRAFFIC SIDE **EMBEDMENT** ablaBRIDGE DECK, APPROACH SLAB OR CONCRETE PAVEMENT

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

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

GENERAL NOTES

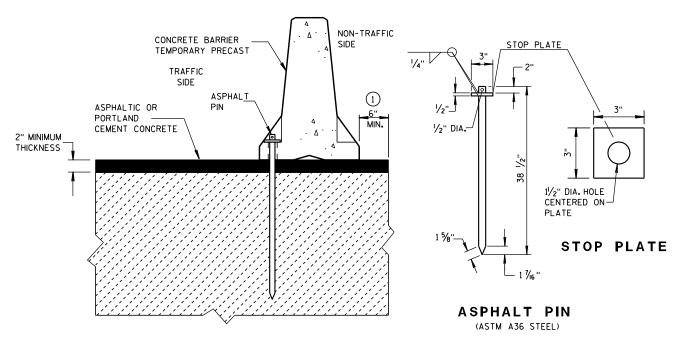
(1) CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF: THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H: 1V. FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

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.

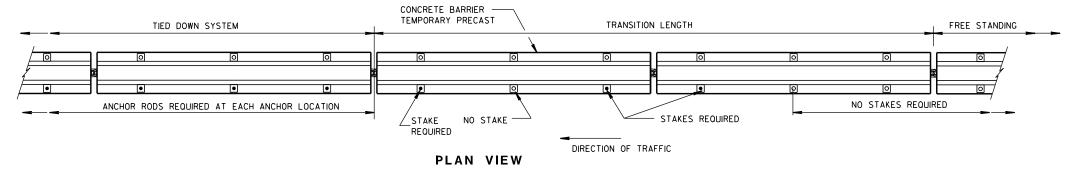
WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED (EPOXY) ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1 1/a-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALLANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CON-CRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR EPOXY MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.



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

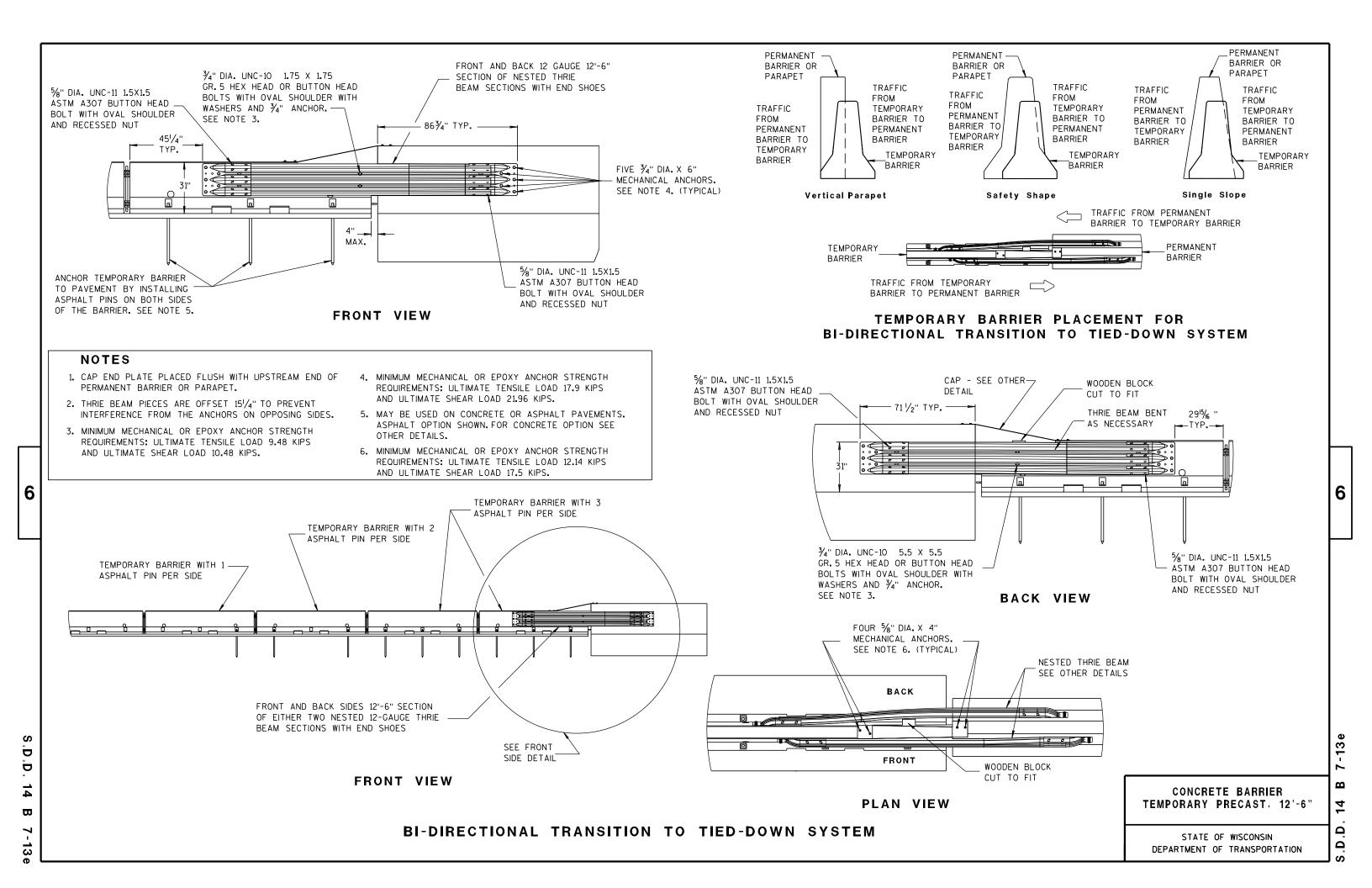
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY, IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN,)

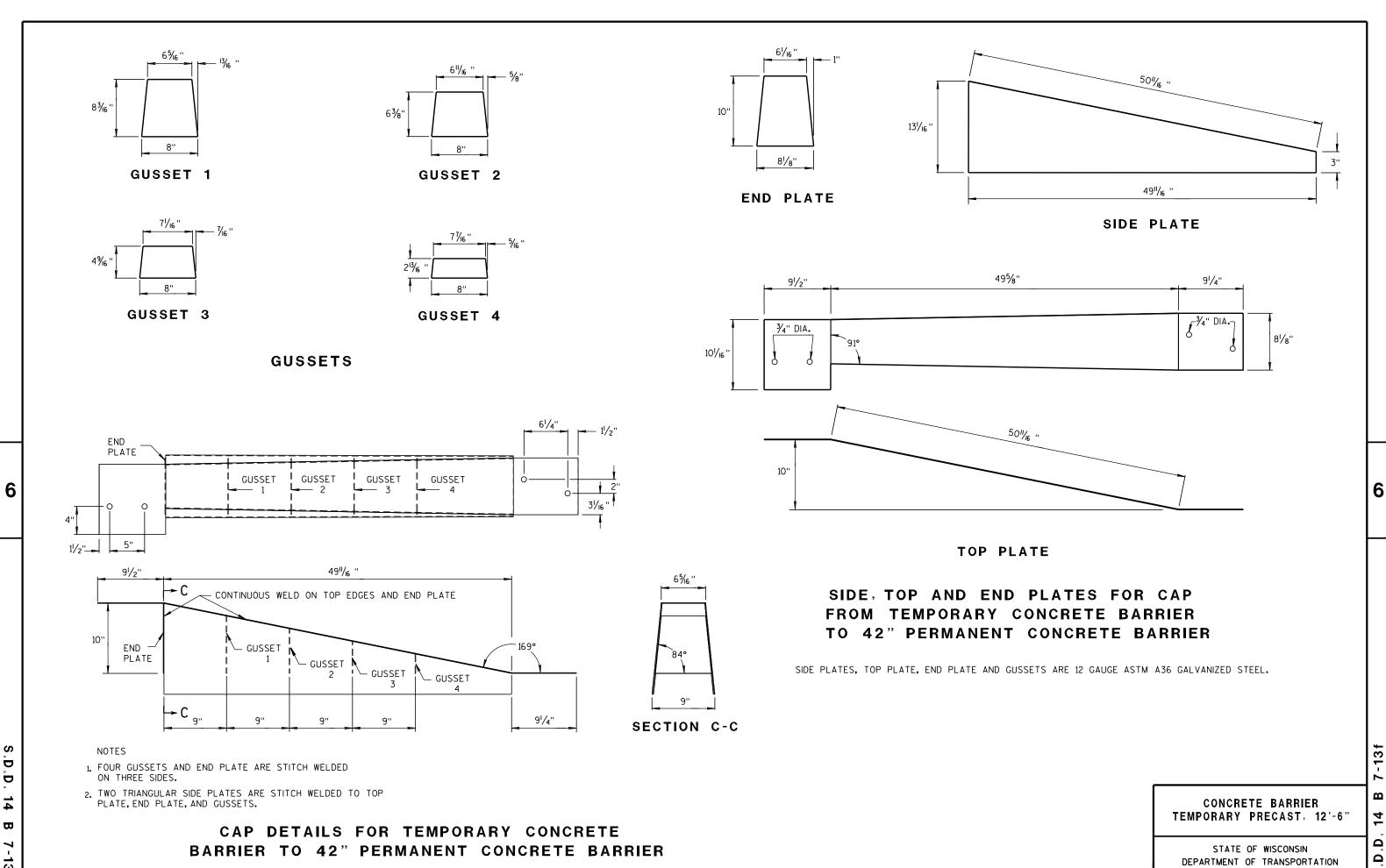
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6'

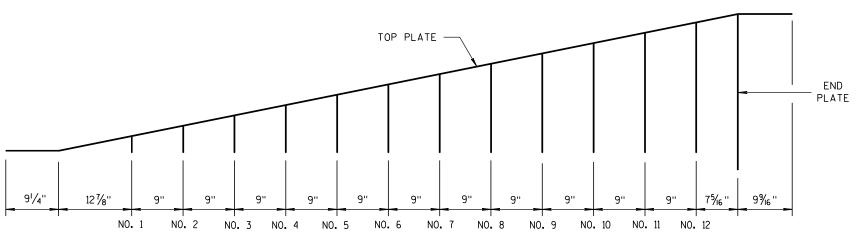
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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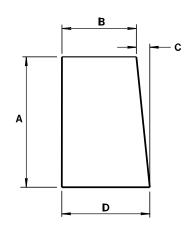






GUSSET LOCATION

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



GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

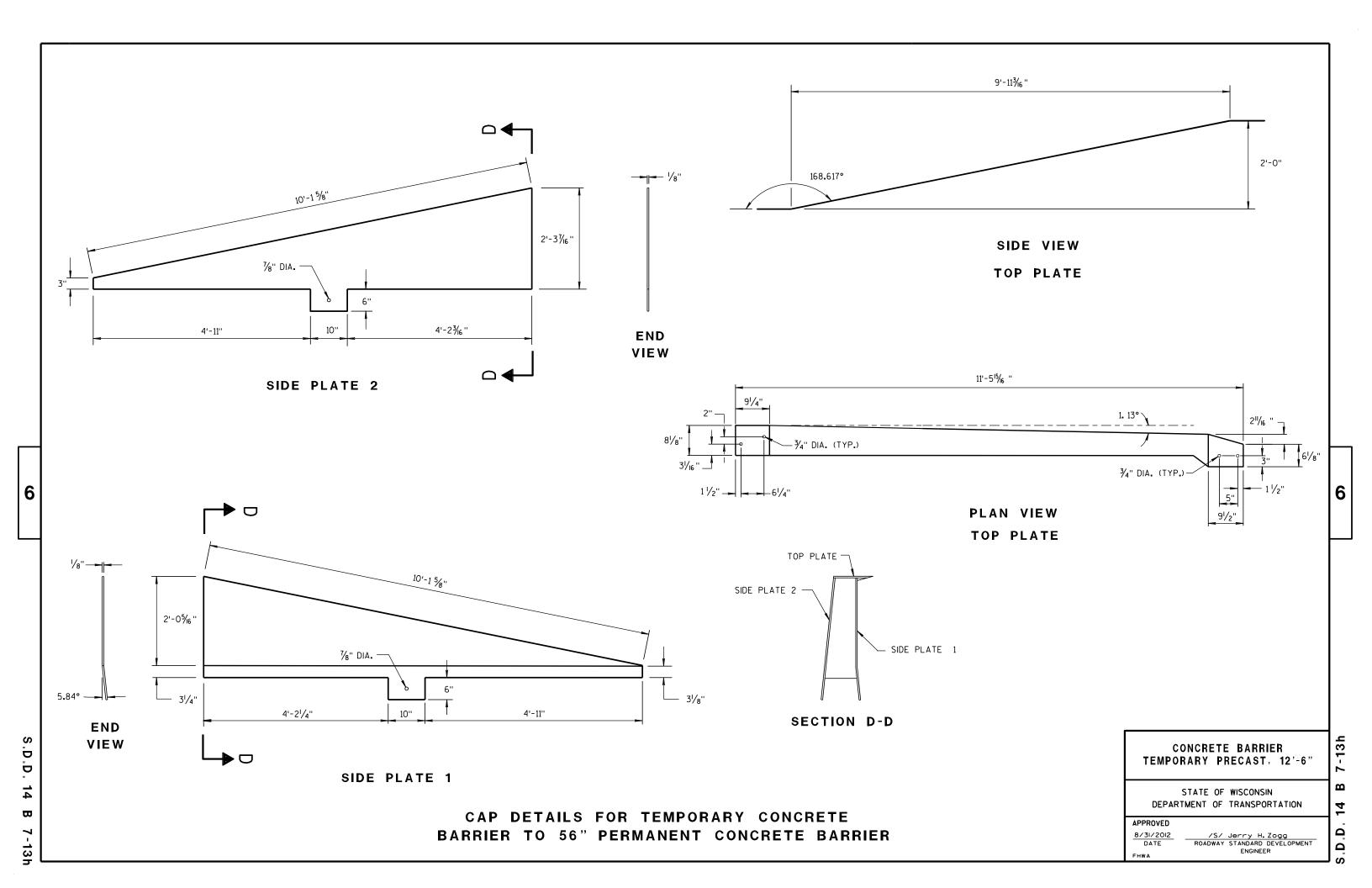
GU	SSET	DIMEN	ISIONS	6
GUSSET NO.	Α	В	С	D
1	2 1/8"	73/4"	1/4"	8
2	4"/16 "	7%6"	1/2"	8
3	61/2"	73/8"	11/16 ''	81/16 "
4	85/6"	7¾ ₆ "	7/8"	81/16"
5	101/8"	7''	1 1/16 "	8½ ₆ "
6	11 ¹⁵ / ₁₆ ''	6 ¹³ / ₁₆ "	1 1/4"	81/16 "
7	13¾"	65⁄8''	1 7/6"	81/16"
8	15% "	67∕ ₁₆ ''	1 % "	8½ ₆ "
9	173/8"	6 ¹ /4"	1 13/16 "	81/16"
10	193/6"	6½ ₆ "	1 15/16 ''	81/16"
11	21"	57/8"	23/6"	81/16"
12	2213/16 "	511/16 "	25/6"	81/16"

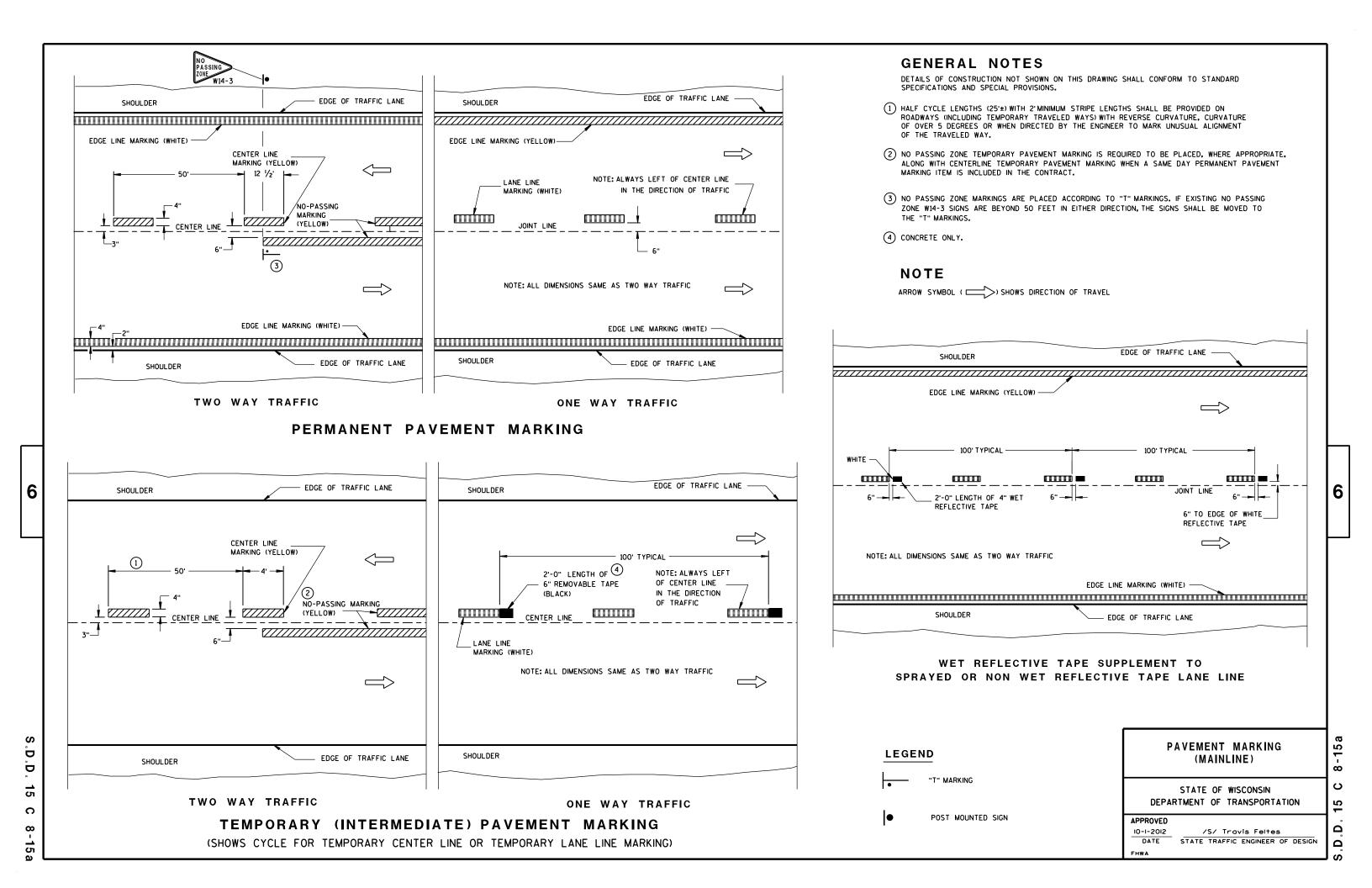
SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

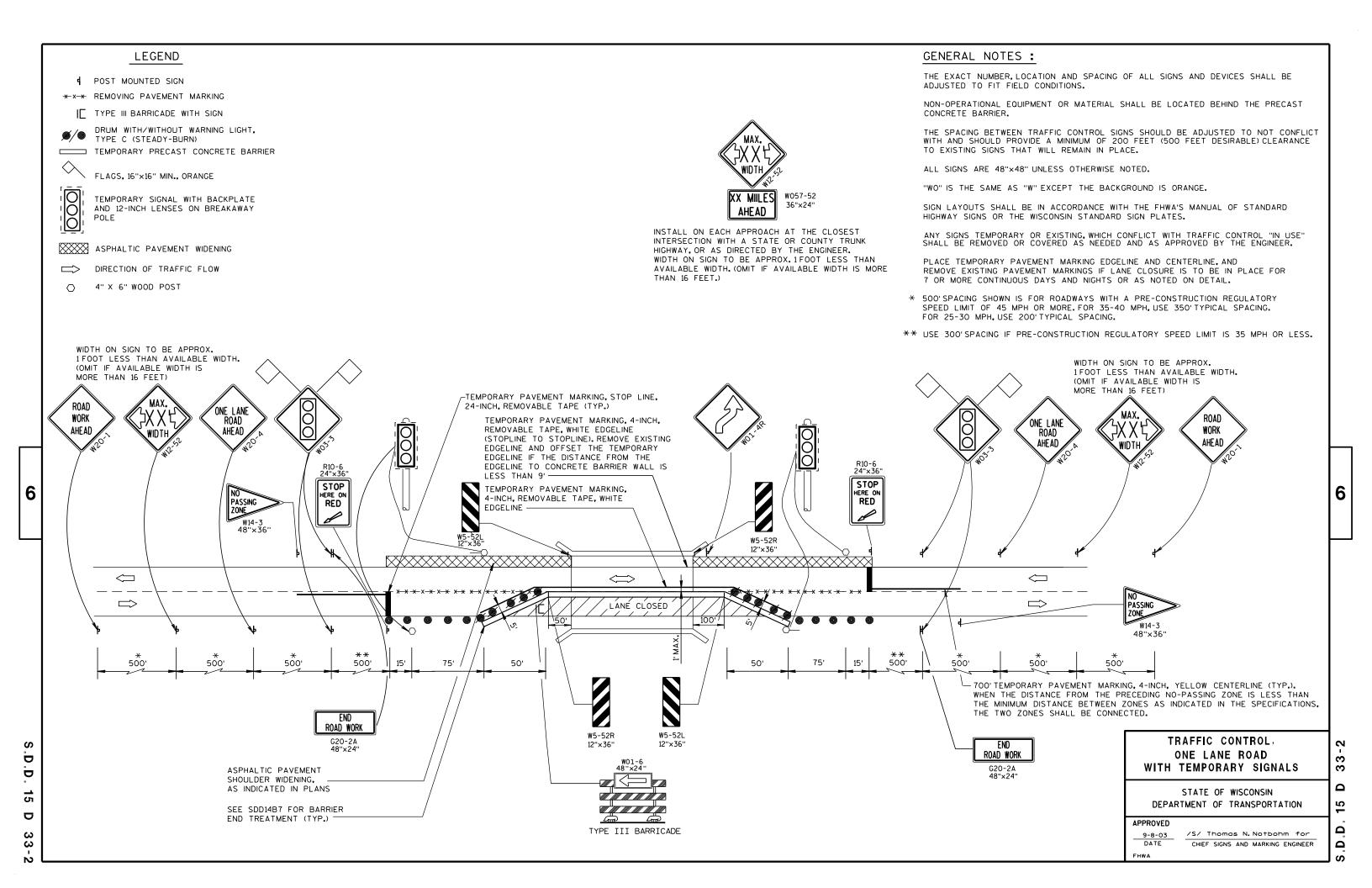
GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.

> CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION







STATE PROJECT NUMBER 1520-00-62 84'-10" BACK TO BACK OF ABUTMENTS 80'-0" 2'-5" -PAVING NOTCH TYPICAL BEGIN PROJECT--END PROJECT € S.T.H. 73 TRAFFIC DATA ADT = 1,400 (2008) RDS = 60 M.P.H. END OF DECK (TYP.) -END OF DECK (TYP.) STA. 220+18.25 STA. 221+01.75 **GENERAL NOTES** DRAWINGS SHALL NOT BE SCALED. THE COLOR OF THE FINISH TOP COAT SHALL BE GRAY, (FEDERAL STANDARD COLOR NO. 26293) OR SIMILAR COLOR APPROVED BY THE DIMENSIONS ARE BASED ON EXISTING PLANS. INFORMATION ON THESE DRAWINGS RELATED TO THE EXISTING BRIDGE IS BASED UPON AVAILABLE DRAWINGS FROM THE WISCONSIN DEPARTMENT <u>PLAN</u> € WEST ABUTMENT — · & EAST ABUTMENT STA. 220+20 STA. 221+00 OF TRANSPORTATION, NO GUARANTEE OR WARRANTY IS MADE THAT THE INFORMATION IS ALL INCLUSIVE OR TOTALLY ACCURATE. THEREFORE, THE CONCTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF THE ACTUAL CONDITIONS TO BE ENCOUNTERED. ESTIMATE OF QUANTITIES 517.1800.S STRUCTURE REPAINTING RECYCLED ABRASIVE STRUCTURE B-71-13 _ 1.15 1 EACH 34'-0" 16'-0" 16'-0" 1'-0" 1'-0'' NO. DATE BY REVISION € S.T.H. 73-ORIGINAL PLANS PREPARED BY TYPE 'F' RAILING (TYP.) 0.02% 0.02% BRIDGE OFFICE CONTACT WILLIAM DREHER -EDGE OF DECK (TYP.) (608) 266-8489 Plans Prepared For WISDOT **CONSULTANT CONTACT** BUREAU OF STRUCTURES KRISTOFER OLSON 8 OMNNI ASSOCIATES (920) 735-6900 CHIEF STRUCTURES DESIGN ENGINEER - FXISTING STRUCTURE B-71-13 -EXISTING DIAPHRAGM SCONSIA W36 BEAMS 18C42.7 STH 73 OVER ROCKY RUN CREEK TYP. 20 TOTAL 4 SPA. @ 7'-3" = 29'-0" COUNTY CARY DESIGN SPEC. AASHTO STD. SPEC. 2002 I^{LOAD} HS-20 DESIGNED DESIGN KRO DRAWN BRE CK'D. KRO CROSS SECTION THRU ROADWAY (LOOKING EAST) SHEET 1 OF 1 **GENERAL** PLAN



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

APR 13

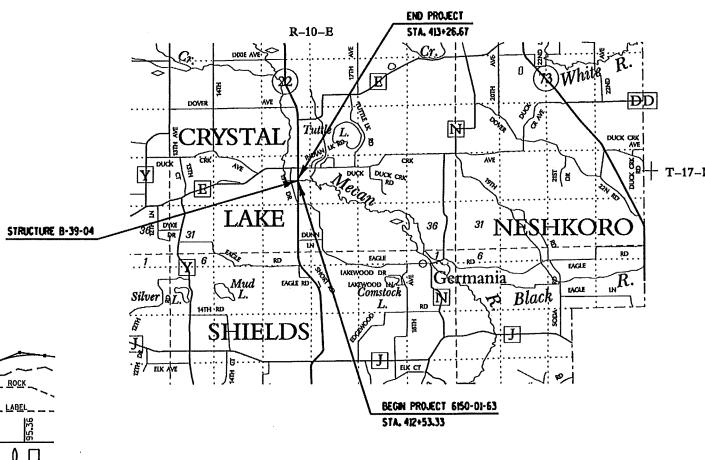
STATE OF WISCONSIN ORDER OF SHEETS Section No. 1 DEPARTMENT OF TRANSPORTATION Typical Sections and Details Estimate of Quantities

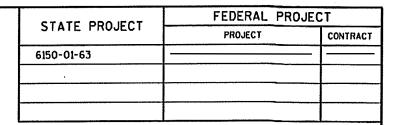
PLAN OF PROPOSED IMPROVEMENT

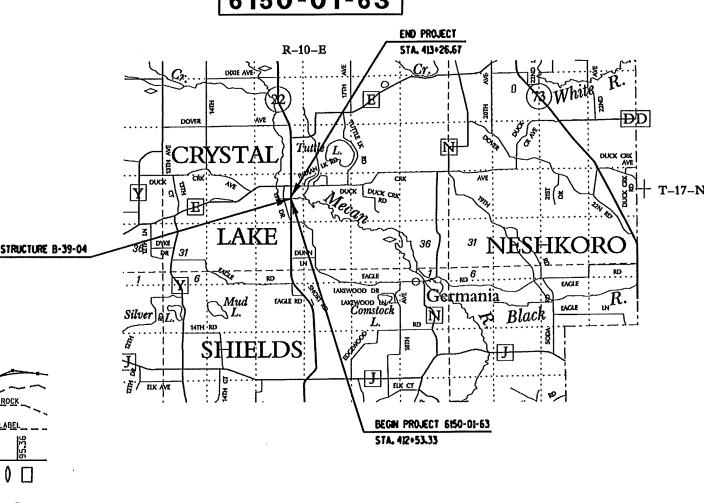
MONTELLO - WAUTOMA

MECAN RIVER BRIDGE B-39-04 **STH 22** MARQUETTE COUNTY

> STATE PROJECT NUMBER 6150-01-63







ORIGINAL PLANS PREPARED BY

PROFILE

GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

ELECTRIC

FIBER OPTIC

SAMTARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

STORM SEWER TELEPHONE

GRADE ELEVATION

MARSH OR ROCK PROFILE

(To be noted as such)

CULVERT (Profile View)

Miscellaneous Quantities

-Right of Way Plat-

Section No. 6 Standard Detail Drawings

Section No. 9 Computer Corthwork Data-

Section No. 7 Sign Plates Section No. 8 Structure Pions

TOTAL SHEETS = 22

DESIGN DESIGNATION

CONVENTIONAL SYMBOLS

LIMITED HIGHWAY EASEMENT

PROPOSED OR NEW R/W LINE

EXISTING RIGHT OF WAY

CORPORATE LIMITS

PROPERTY LINE

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT

COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

(Box or Pipe)

MARSH AREA

= N/A

= N/A

= N/A

= N/A

= N/A

A.A.D.T. 2008 A.A.D.T.

DESIGN SPEED

D.H.V.

ESALS

PLAN

LOT LINE

D.D.

Section No. 9 Cross Sections

LAYOUT

TOTAL NET LENGTH OF CENTERLINE = 0.014 MI.

PLOT BY : epleyb

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES ARE NOT SHOWN ON THE PLANS. THERE MAY BE UTILITY FACILITIES WITHIN THE PROJECT AREA, BUT NO CONFLICTS ARE ANTICIPATED.

THERE ARE NO KNOWN UTILITIES ON THE EXISTING BRIDGE.

CONSIDER DIMENSIONS GIVEN FOR EXISTING FEATURES AS APPROXIMATE AND MEASURE FEATURES IN THE FIELD FOR MATCHING PURPOSES.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTRUBED BY HIS OPERATION OUTSIDE THE NORMAL CONSTRUCTION LIMITS.

CONTACTS

DNR LIAISON

BOBBI JO FISCHER

DEPARTMENT OF NATURAL RESOURCES 427 EAST TOWER DRIVE, SUITE 100

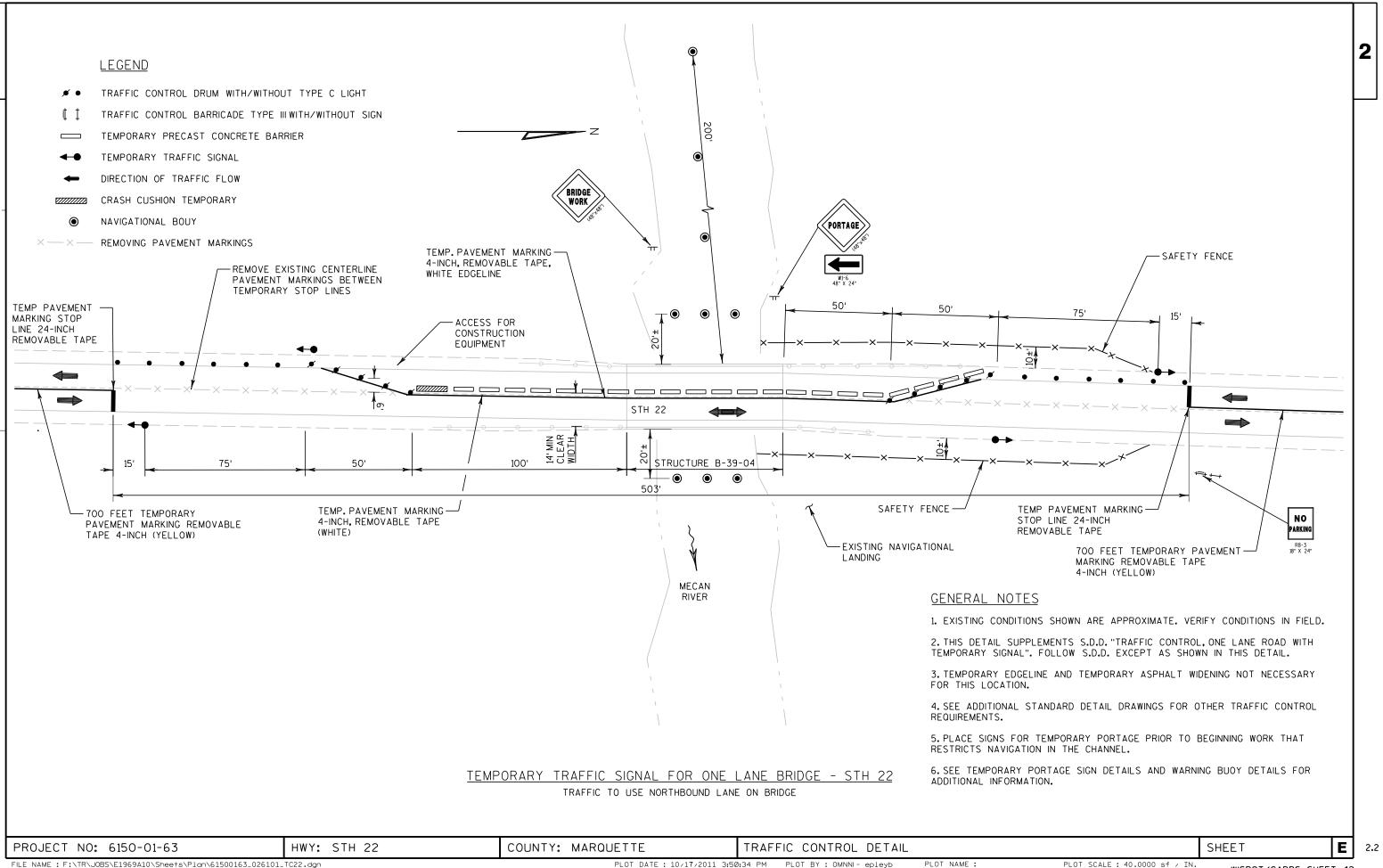
WAUTOMA, WI 54982

TELEPHONE: 920-787-4686 EXT. 3007 EMAIL: bobbi.fischer@wisconsin.gov



Toll Free (800) 242-8511 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

PROJECT NO: 6150-01-63 HWY: STH 22 COUNTY: MARQUETTE **GENERAL NOTES** SHEET:



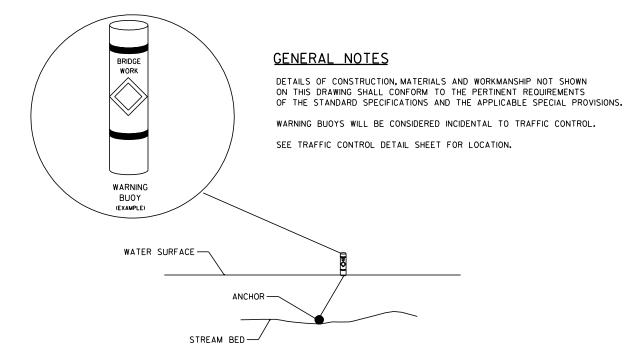
	SEQUENCE	OF OPER	RATIONS								
STRUCTURE: B-39-04 STH 22											
PRE	PRE-TIMED CYCLE 1 = 80 SECONDS										
	TIM	E: ALL DA	Υ.								
	NB	SB	INTERVAL	% OF							
INTERVAL	A1, A2	B1, B2	LENGTH								
		(SEC)									
PHASE A	G	R	16	20.0%							
CLEARANCE	Y	R	4	5.0%							
CLEARANCE	R	R	20	25.0%							
PHASE B	R	G	16	20.0%							
CLEARANCE	R	Y	4	5.0%							
CLEARANCE	R	R	20	25.0%							
			80	100%							

NOTE:

G = GREEN

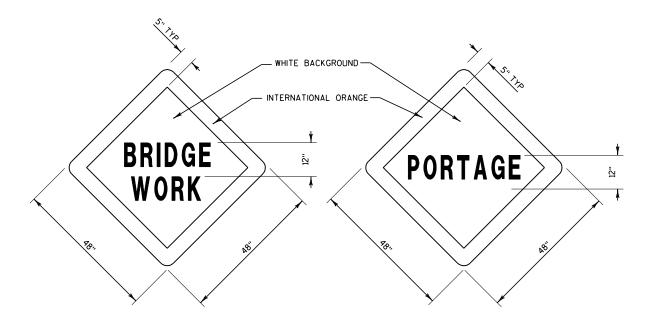
Y = YELLOW

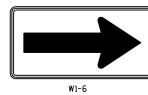
R = RED



WARNING BUOY DETAIL

PLACE WARNING BUOYS AS SHOWN ON THE PLAN.





48" X 24"

TEMPORARY PORTAGE SIGN DETAILS

12 INCH BLACK BLOCK LETTERING.

ALL SIGNS SHALL CONFORM TO THE UNIFORM WATERWAY MARKING SYSTEM SET FORTH IN SECTION NR 5.09 WISCONSIN ADMINISTRATIVE CODE.

SIGNS TO BE PLACED AS SPECIFIED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 6150-01-63 HWY: STH 22 COUNTY: MARQUETTE

SEQUENCE OF OPERATIONS & CONSTRUCTION DETAILS PLOT BY : OMNNI- epleyb

PLOT SCALE: 40.0000 sf / IN.

E

2.3

CONCRETE BARRIER TEMPORARY PRECAST

	603.8000	603.8125	614.0905	
	CONCRETE BARRIER	CONCRETE BARRIER		
	TEMPORARY	TEMPORARY	CRASH	
	PRECAST	PRECAST	CUSHIONS	
	DELIVERED	INSTALLED	TEMPORARY	
LOCATION	LF	LF	EACH	REMARKS
STH 22	280	280	1	
TOTALS	280	280	1	

SAFETY FENCE

	616.0700.s	
	FENCE SAFETY	
LOCATION	LF	REMARKS
WEST OF BRIDGE	190	
EAST OF BRIDGE	190	
TOTALS	380	

TRAFFIC CONTROL

		643.	643.0300		643.0420		643.0705		.0715	643.	.0900	661.0100.02	
												TEMPORARY	
							WARNING		WARNING			TRAFFIC	
	SERVICE			BAR	RICADES		LIGHTS		LIGHTS			SIGNALS	
	PERIOD		DRUMS	Т	YPE III		TYPE A		TYPE C		SIGNS	FOR BRIDGES	
LOCATION	DAYS	NO	DAYS	NO	DAYS	NO	DAYS	NO	DAYS	NO	DAYS	LS	REMARKS
INSTALL/REMOVAL FOR TEMPORARY SIGNAL	5	30	150		0		0		0	10	50		
TEMPORARY SIGNAL	20	25	500	4	80	4	80	10	200	25	500	1	
NAVIGATIONAL SIGNS	20		0		0		0		0	3	60		
UNDISTRIBUTED			50								50		•
	T0TALS		700		80		80		200		660	1	

PAVEMENT MARKING

	646.0106	646.0600	****	****	649.0400	649.1400
			TEMPORARY	TEMPORARY	TEMPORARY	TEMPORARY
			PAVT MARKING	PAVT MARKING	PAVEMENT	PAVT MARKING
			REMOVABLE	REMOVABLE	MARKING	STOP LINE
	EPOXY	REMOVING	TAPE	TAPE	REMOVABLE	REMOVABLE
	4-INCH	PAVEMENT	4-INCH	4-INCH	TAPE	TAPE
	(YELLOW)	MARKINGS	(WHITE)	(YELLOW)	4-INCH	24-INCH
LOCATION	LF	LF	LF	LF	LF	LF
STH 22 ALONG CONCRETE BARRIER	0	0	340	0	340	
STH 22 CENTERLINE	125	125	0	1,400	1,400	30
TOTALS	125	125	340	1,400	1,740	30

**** FOR INFORMATION ONLY.

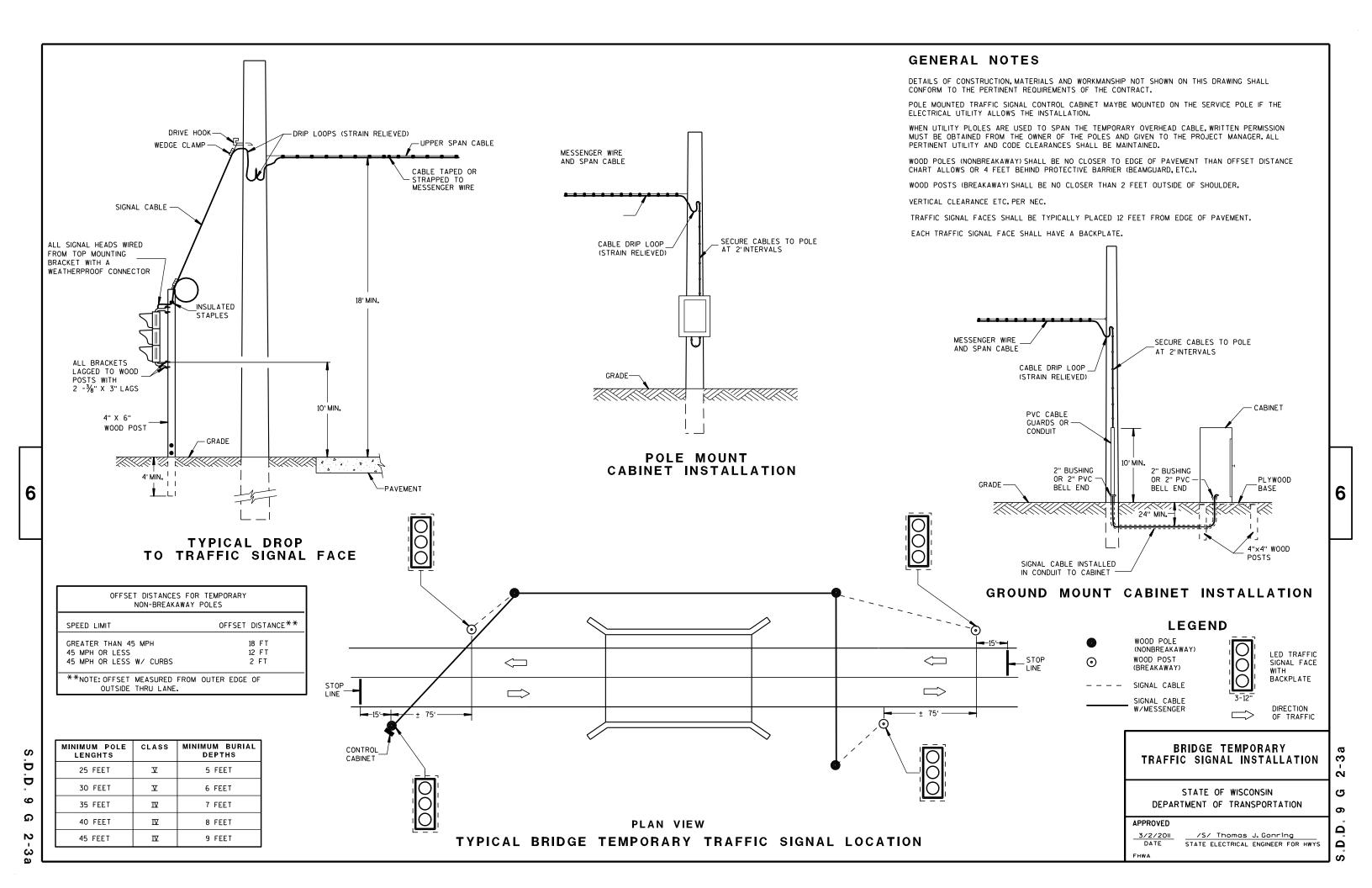
HWY: STH 22 COUNTY: MARQUETTE MISCELLANEOUS QUANTITIES PROJECT NO: 6150-01-63 SHEET

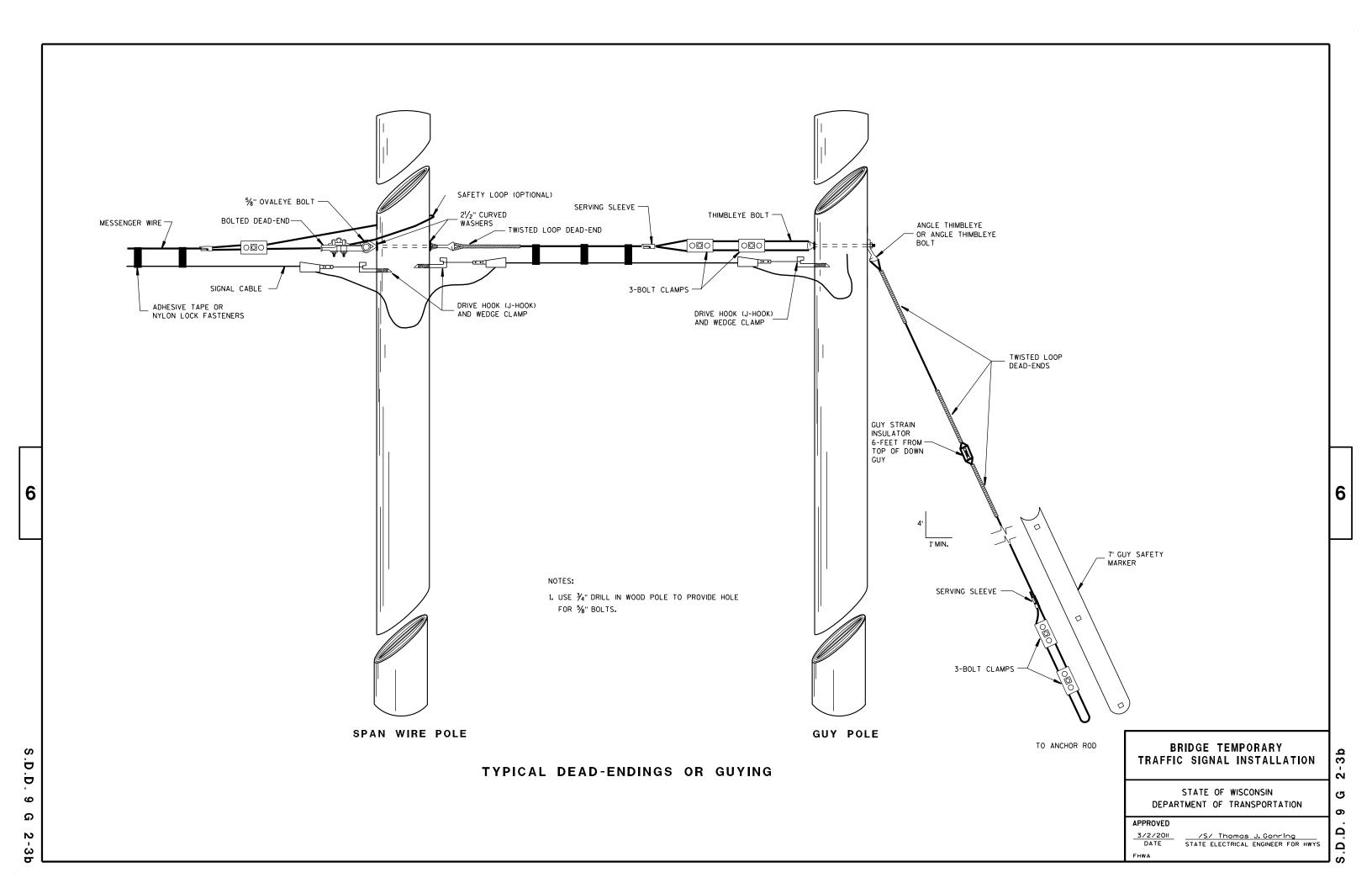
Standard Detail Drawing List

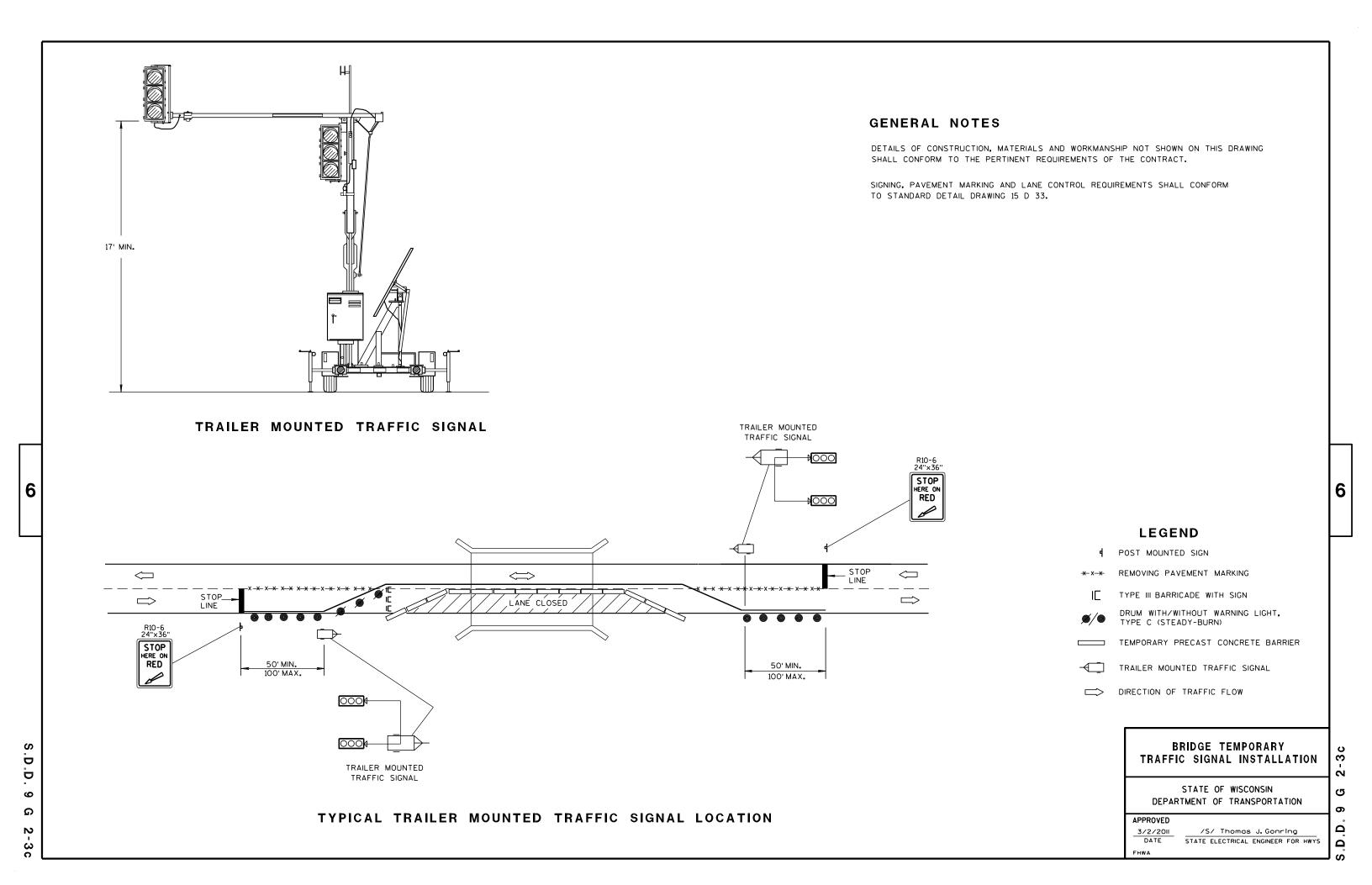
09G02-03A	BRIDGE TEMPORARY	TRAFFIC SIGNAL INST	TALLATI ON
09G02-03B	BRIDGE TEMPORARY	TRAFFIC SIGNAL INST	TALLATI ON
09G02-03C	BRIDGE TEMPORARY	TRAFFIC SIGNAL INST	TALLATI ON
14B07-13A	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13B	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13C	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13D	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13E	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13F		TEMPORARY PRECAST,	
14B07-13G	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
14B07-13H	CONCRETE BARRIER	TEMPORARY PRECAST,	12' -6"
15C08-15A	PAVEMENT MARKING	(MAINLINE)	
15D33-02	TRAFFIC CONTROL,	ONE LANE ROAD WITH	TEMPORARY SIGNALS

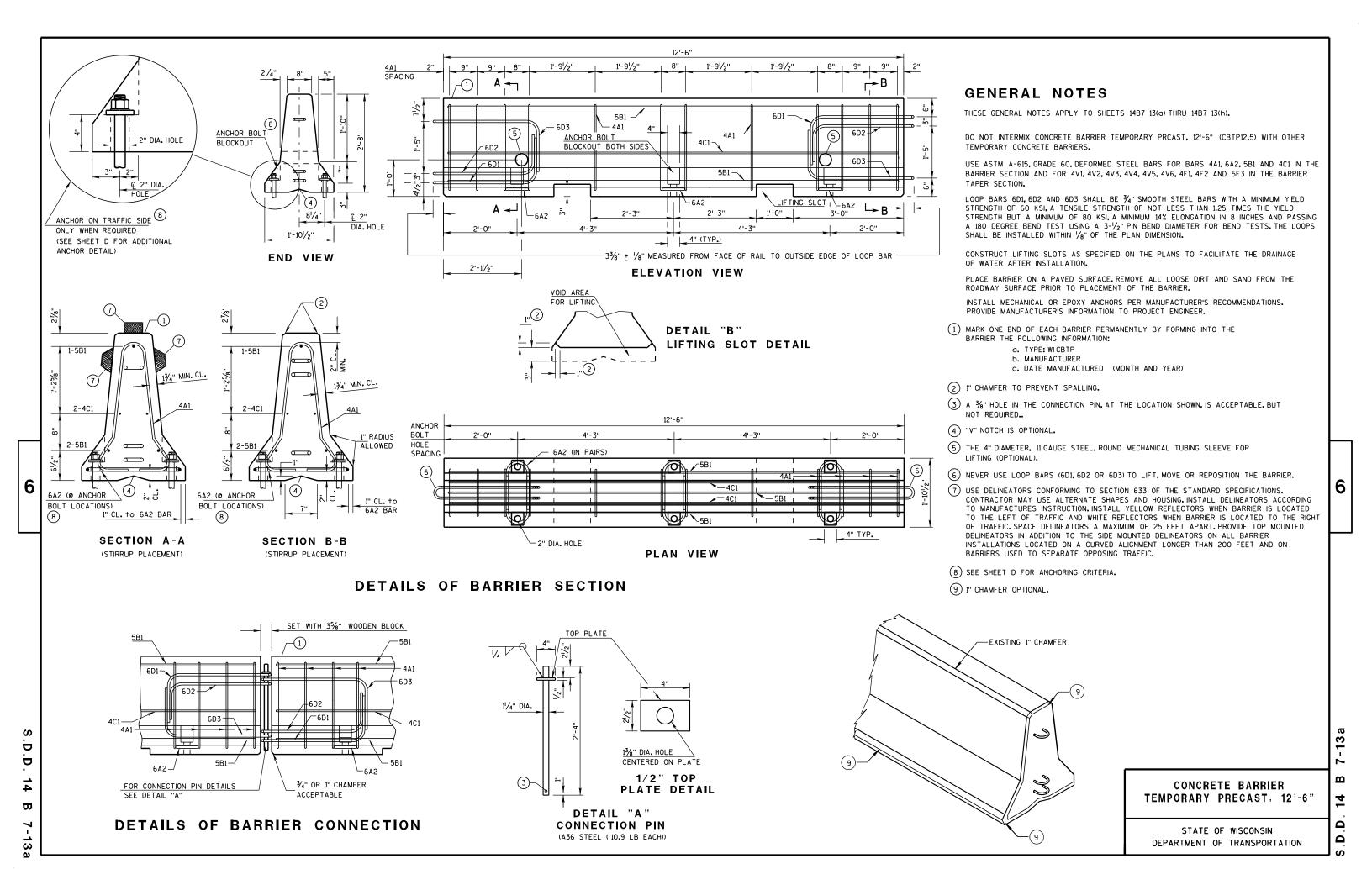
6

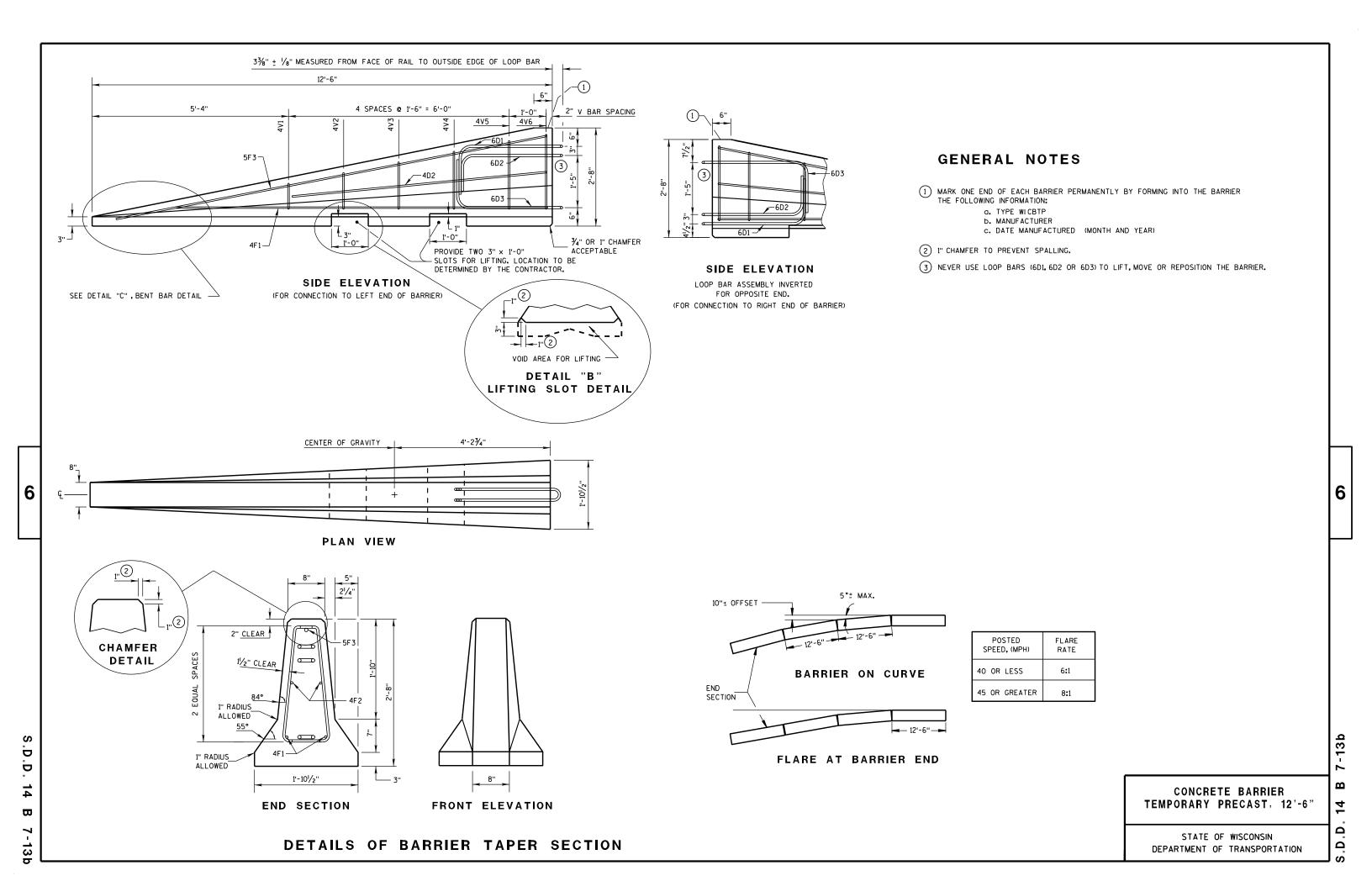
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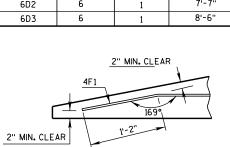






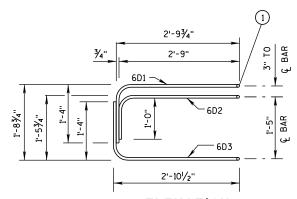


BAR	BAR SIZE	NO. OF BARS	LENGTH FT.	
4V1	4	2	1'-11"	
4V2	4	2	2'-2"	
4V3	4	2	2'-6"	
4V4	4	2	2'-9"	
4V5	4	2	3'-2"	
4V6	4	2	3'-4"	
4F1	4	2	12'-0"	
4F2	4	2	7'-6"	
5F3	5	1	11'-9''	
LOOP ASSEMBLY				
6D1	6	1	8'-5"	
6D2	6	1	7'-7"	
6D3	6	1	8'-6"	

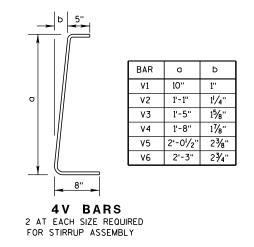


DETAIL "C"

BENT BAR DETAIL





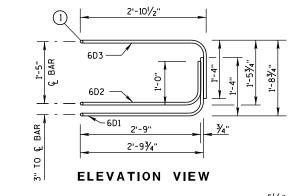


TAPER BARRIER SECTION

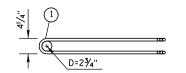
BARRIER SECTION

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				
6D1	6	2	8'-5"	
6D2	6	2	7'-7"	
6D3	6	2	8'-6"	

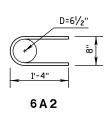


1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

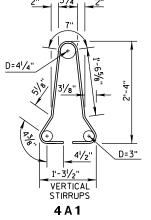


PLAN VIEW LOOP BAR ASSEMBLY

(MARKED END SHOWN, INVERT FOR OTHER END)



GENERAL NOTES



BARRIER SECTION

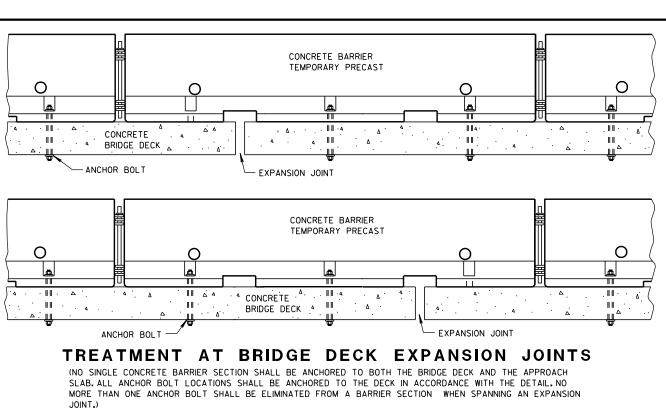
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

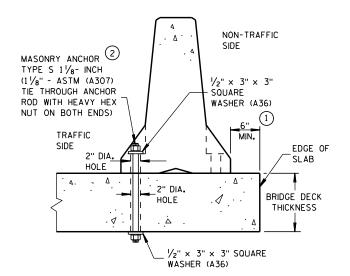
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

CONCRETE BARRIER TEMPORARY PRECAST MASONRY ANCHOR TYPE S 1 1/8- INCH . 🗸 $(1\frac{1}{8}" - ASTM (A307)$ ADHESIVE BONDED ANCHOR NON-TRAFFIC WITH HEAVY HEX NUT SIDE AND 1/2" X 3" X 3" SQUARE WASHER (A36)) TRAFFIC SIDE **EMBEDMENT** ablaBRIDGE DECK, APPROACH SLAB OR CONCRETE PAVEMENT

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

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

GENERAL NOTES

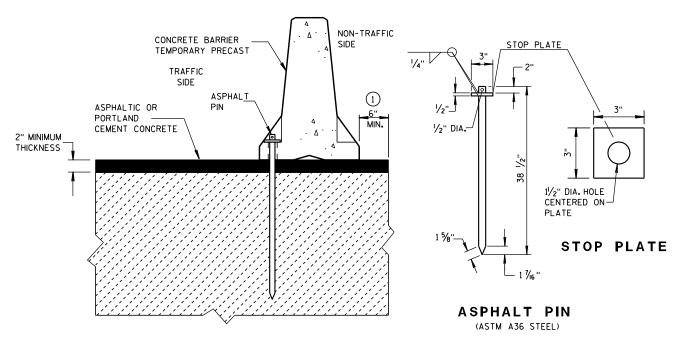
(1) CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF: THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H: 1V. FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

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.

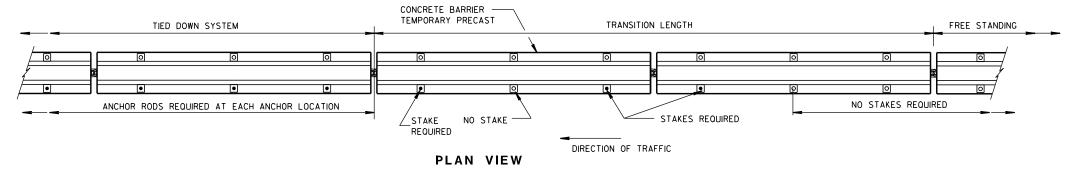
WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED (EPOXY) ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1 1/a-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALLANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CON-CRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR EPOXY MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.



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

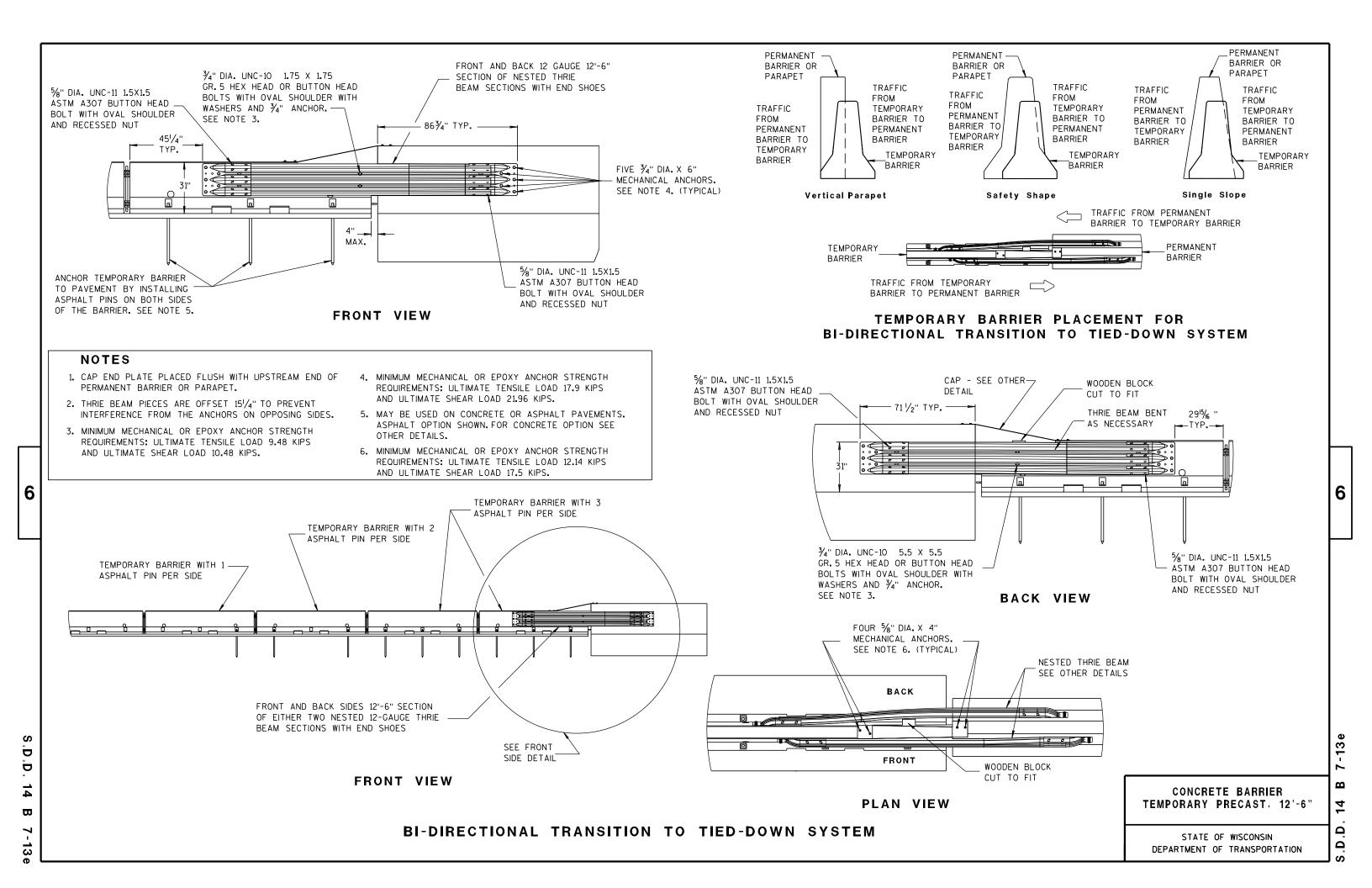
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY, IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN,)

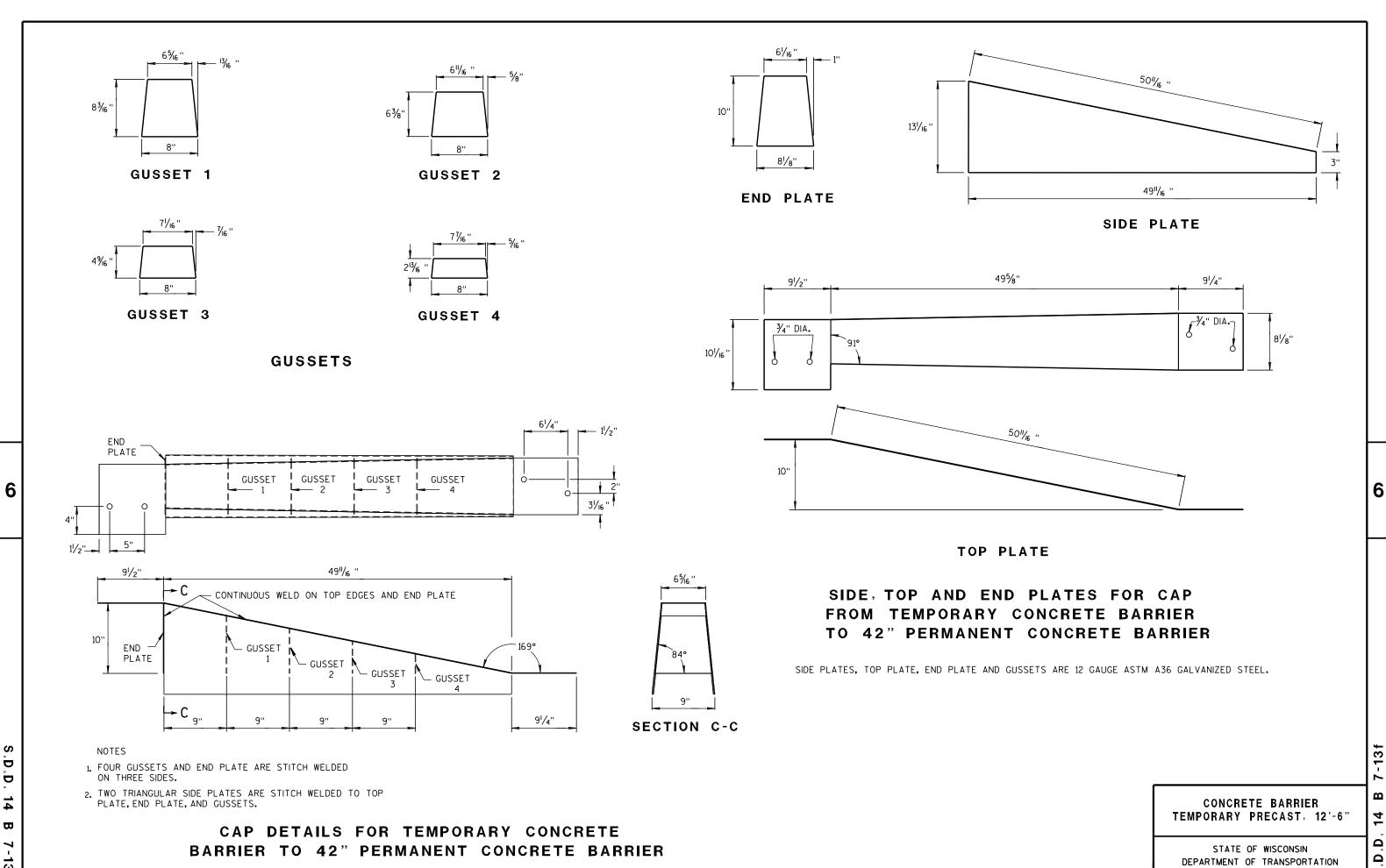
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6'

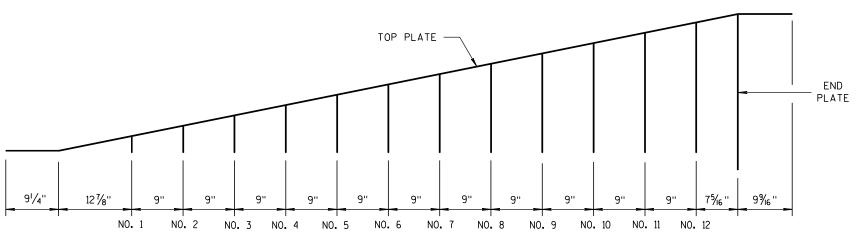
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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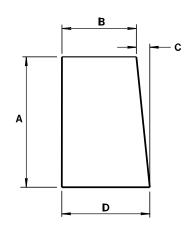






GUSSET LOCATION

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



GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

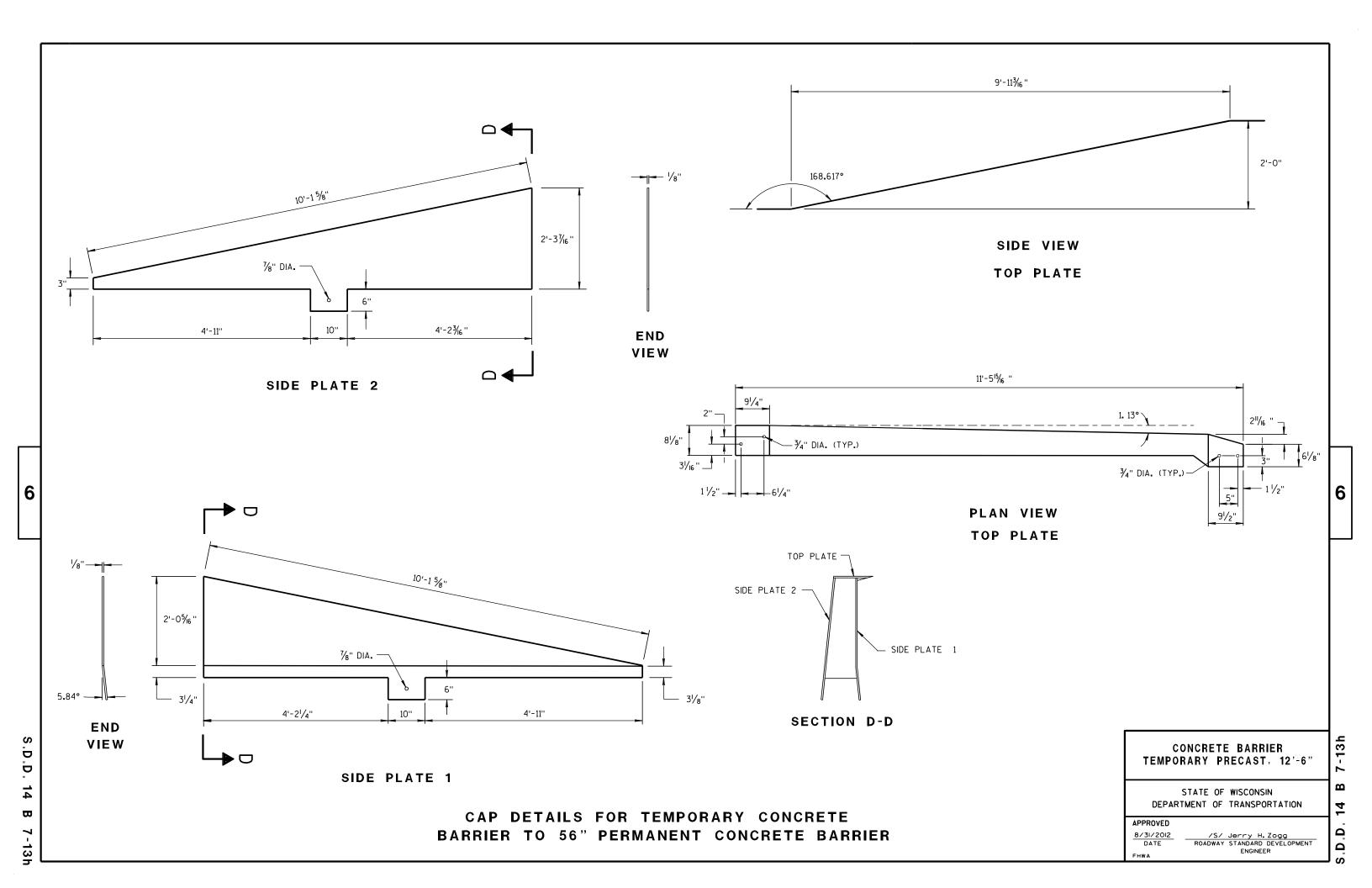
GUSSET DIMENSIONS				
GUSSET NO.	Α	В	С	D
1	2 1/8"	73/4"	1/4"	8
2	4"/16 "	7%6"	1/2"	8
3	61/2"	73/8"	11/16 ''	81/16 "
4	85/6"	7¾ ₆ "	7/8"	81/16"
5	101/8"	7''	1 1/16 "	8½ ₆ "
6	11 ¹⁵ / ₁₆ ''	6 ¹³ / ₁₆ "	1 1/4"	81/16 "
7	13¾"	65⁄8''	1 7/6"	81/16"
8	15% "	6 ⅓ ₆ ''	1 % "	81/16 ''
9	173/8"	6 ¹ / ₄ "	1 13/16 "	81/16"
10	193/6"	6½ ₆ "	1 15/16 ''	81/16"
11	21"	57/8"	23/6"	81/16"
12	2213/16 "	511/16 "	25/6"	81/16"

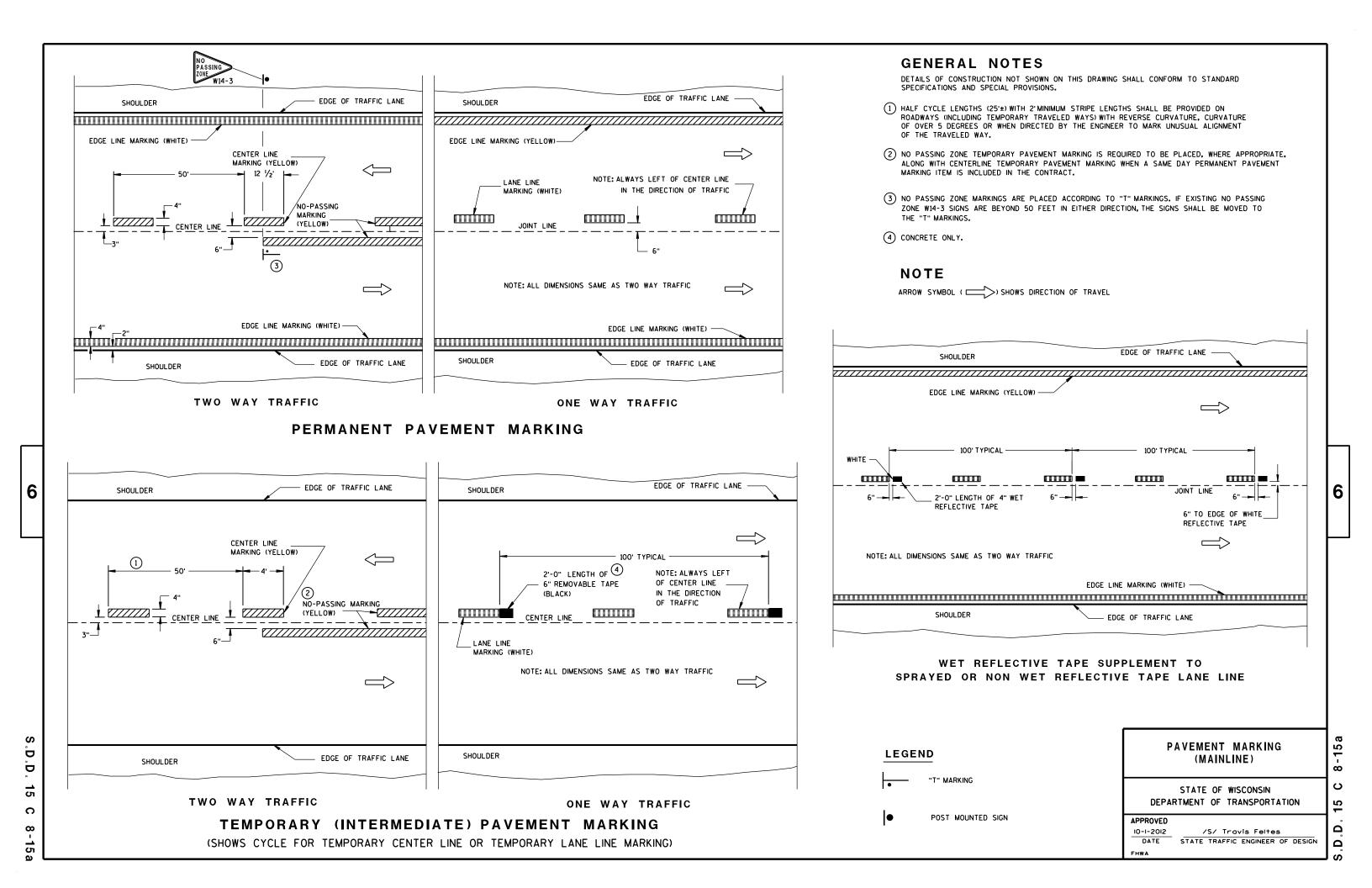
SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

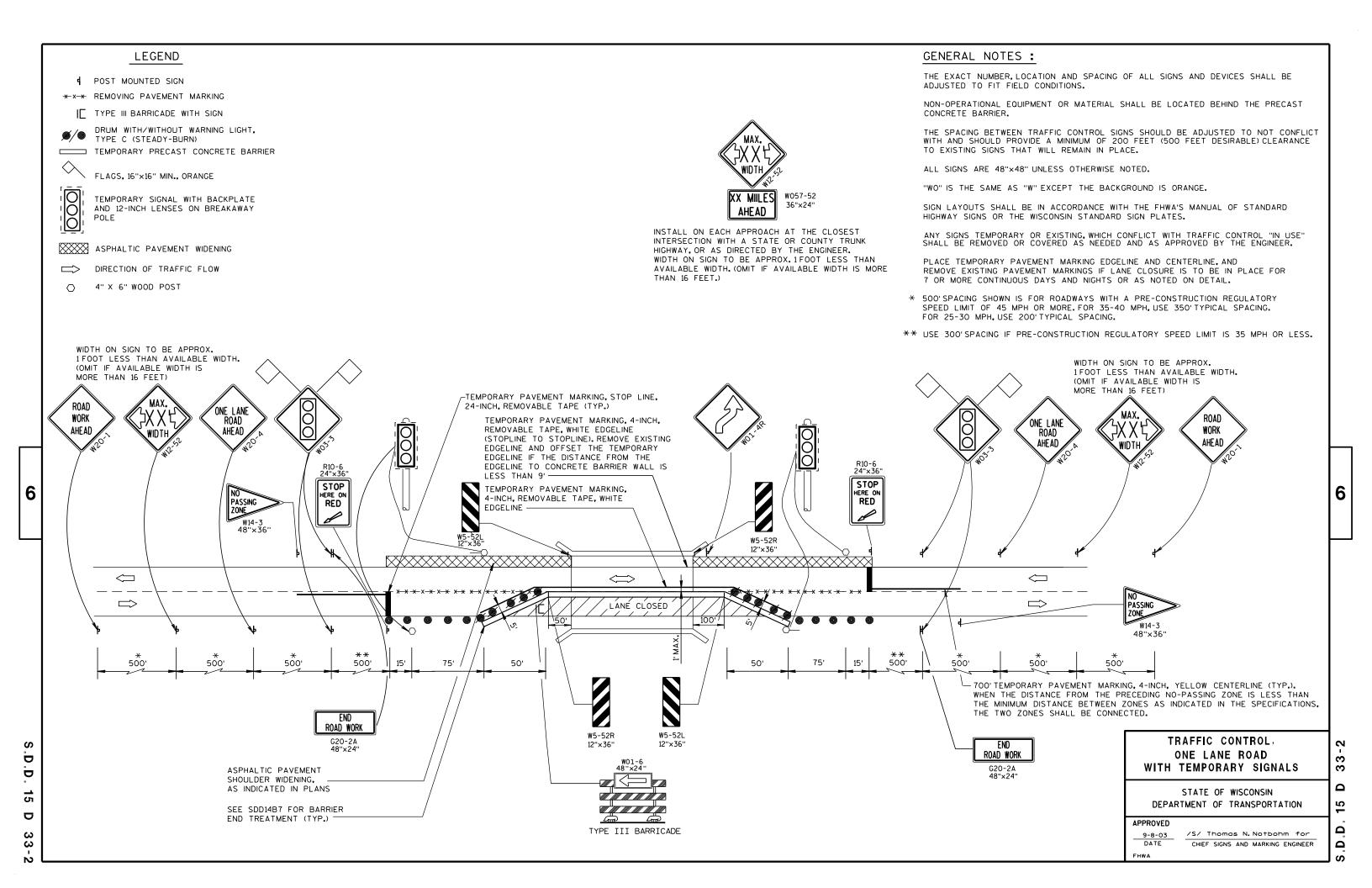
GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.

> CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

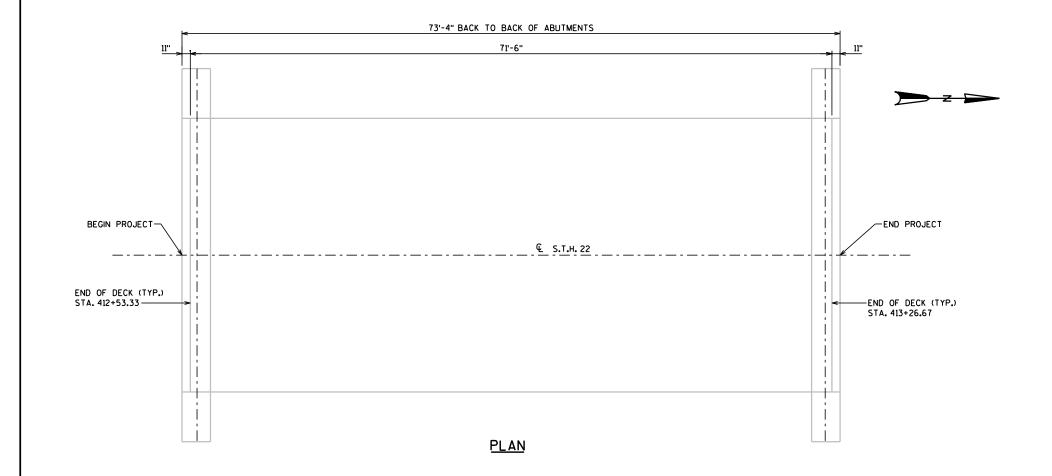






STATE PROJECT NUMBER

6150-01-63



TRAFFIC DATA

ADT = 1,100 (2008) RDS = 60 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE COLOR OF THE FINISH TOP COAT SHALL BE GRAY, (FEDERAL STANDARD COLOR NO. 26293) OR SIMILAR COLOR APPROVED BY THE

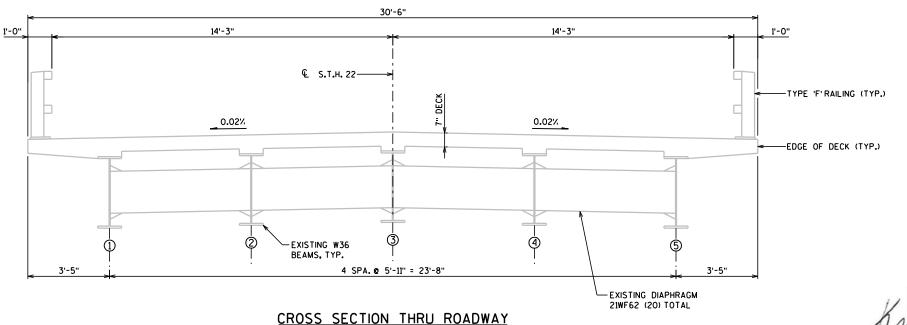
DIMENSIONS ARE BASED ON EXISTING PLANS.

INFORMATION ON THESE DRAWINGS RELATED TO THE EXISTING BRIDGE IS BASED UPON AVAILABLE DRAWINGS FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NO GUARANTEE OR WARRANTY IS MADE THAT THE INFORMATION IS ALL INCLUSIVE OR TOTALLY ACCURATE. THEREFORE, THE CONCTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF THE ACTUAL CONDITIONS TO BE ENCOUNTERED.

ESTIMATE OF QUANTITIES

517.1800.S STRUCTURE REPAINTING RECYCLED ABRASIVE STRUCTURE B-39-04
NEGATIVE PRESSURE CONTAINMENT AND COLLECTION 1 LS 517.4500.S OF WASTE MATERIALS STRUCTURE B-39-04 __ . 1 LS 517.6001.S PORTABLE DECONTAMINATION FACILITY

NO. DATE

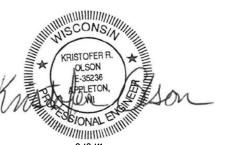


BRIDGE OFFICE CONTACT

WILLIAM DREHER (608) 266-8489

CONSULTANT CONTACT

KRISTOFER OLSON OMNNI ASSOCIATES (920) 735-6900



	ASSOCIATES
THE STREET STREET	Plans Prepared For WISDOT
The same of the sa	BUREAU OF STRUCTURES
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REVISION

ORIGINAL PLANS PREPARED BY

MNI

ACCEPTED William C. Drehe KAR 02/04/13 B STRUCTURE B-39-04

STH 22 OVER MECAN RIVER

COUNTY MARQUETTE CRYSTAL LAKE DESIGN SPEC. LOAD HS-20 AASHTO STD. SPEC. 2002 DESIGNED BRE CK'D. KRO BY BRE CK'D. KRO SHEET 1 OF 1

GENERAL

PLAN

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(LOOKING NORTH)



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov