0

Section No. 3

Section No. 6

Section No. B

Section No. 9

Section No. 9

TOTAL SHEETS * 56

MAD JANUARY 2015 STATE OF WISCONSIN ORDER OF SHEETS DEPARTMENT OF TRANSPORTATION Typical Sections and Details

PLAN OF PROPOSED IMPROVEMENT

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 1011-03-78 WISC 2015001

MADISON-PORTAGE ROAD

(ROWAN CREEK BRIDGES)

IH 39/90/94 **COLUMBIA COUNTY**

> STATE PROJECT NUMBER 1011-03-78

> > R-8-E

PROJECT LOCATION DESIGN DESIGNATION

Estimate of Quantities

Miscellaneous Duantitles

Standard Detail Drawings

Computer Earthwork Data

Structure Plans

Cross Sections

A.A.D.T. (2014) = 55,000 A.A.D.T. (2034) = 71,300 = 8,400 = 58/42= 12,6% DESIGN SPEED = 70 ESALS = 32,200,300

CONVENTIONAL SYMBOLS

WOODED OR SHRUB AREA

CORPORATE LIMITS PROPERTY LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT REFERENCE LINE EXISTING CULVERY PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS MARSH AREA

PROFILE ORIGINAL CROUND __ ROCK__ MARSH OR ROCK PROFILE (To be noted as such) LABEL SPECIAL DITCH GRADE FLEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE

TELEPHONE POLE

SHANKS END PROJECT 1011-03-78 STA 1339+30'EB' END CONSTRUCTION 1011-03-78 STA 1316+60'WB' STRUCTURE B-11-40 STA 1309+73.30'EB' STRUCTURE B-11-41 STA 1310+07.49'WB' BEGIN PROJECT 1011-03-78 STA 1303+20'EB' (Y= 344,440,776) MC GOWAN RD (X= 535,652,676) BEGIN CONSTRUCTION 1011-03-78 STA 1280+50'WB' RICHARD LAYOUT TOTAL NET LENGTH OF CENTERLINE = 0.684 MI. COORDINATES ON THE PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS). COLUMBIA COUNTY.

ORIGINAL PLANS PREPARED BY Madison, WI 53719 608 273 83R0 fax: 608.273.6391 WISCONS, RUCHTI E-30936 MADISON, STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY Mead & Hunt, Inc. Kristen Sommers

FILE NAME : X:\3230900\120214.01\TECH\10110308\SHEETSPLAN\010101_TI.DWG

PLOT DATE : 9/9/2008 8:17 AM

PLOT BY : JASON KLEIST

PLOT NAME :

WISDOT/CADDS SHEET 10

GENERAL NOTES

WHEN THE QUANTITY OF BASE AGGREGATE OR POLYMER MODIFIED ASPHALT OVERLAY IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE, THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD, AS DIRECTED BY THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOIL, FERTILIZED, SEEDED AND EROSION MATTED. PAYMENT INCLUDED IN THE BID ITEM "BARRIER SYSTEM GRADING SHAPING FINISHING"

BEARINGS SHOWN ON THE PLAN ARE REFERENCED TO THE EXISTING ROADWAY CENTERLINE AND ARE ASSUMED.

CONSTRUCT THE 2-INCH POLYMER MODIFIED ASPHALT OVERLAY IN ONE LAYER.

AN ENVIRONMENTALLY SENSITIVE AREA EXISTS IN THE PROJECT AREA, WHICH IS LOCATED ON THE NORTH SIDE OF BOTH BRIDGES AS SHOWN IN THE EROSION CONTROL DETAIL SHEET. WITHIN THE LIMITS SHOWN, ANY AREA NOT CURRENTLY CAPPED BY ASPHALT/CONCRETE SHOULD NOT BE USED FOR THE STAGING OF PERSONNEL, EQUIPMENT AND/OR SUPPLIES.

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE NAVD 1988.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

MILLING 2-INCHES OF THE EXISTING ASPHALT AT THE BRIDGE APPROACHES TO ACCOMMODATE THE NEW 2-INCH POLYMER MODIFIED ASPHALT OVERLAY IS PAID FOR UNDER THE ITEM OF "REMOVING PAVEMENT BUTT JOINTS".

STANDARD ABBREVIATIONS

ASPH ASPHALTIC AVERAGE AVG AADT ANNUAL AVERAGE DAILY TRAFFIC ВМ BENCH MARK CENTER LINE CL or C/L CONC CONCRETE CY or CUYD CUBIC YARD DHV DESIGN HOUR VOLUME EB FASTROLIND EL or ELEV ELEVATION EQUIVALENT SINGLE AXLE LOADS ESALS FT FERT FERTILIZE LIN FT or LF LINEAR FOOT LUMP SUM LS NORTHBOUND NB PAVT PAVEMENT PC POINT OF CURVATURE PΙ POINT OF INTERSECTION POINT OF TANGENCY RL or R/L REFERENCE LINE REQUIRED RIGHT REQD RT RHF RIGHT-HAND FORWARD R/W RIGHT-OF-WAY SHLDR SHOULDER SB SF or SQ FT SOUTHBOUND SQUARE FEET SY or SQ YD SQUARE YARD STA STATION TEL TELEPHONE TEMPORARY TEMP TEMPORARY LIMITED EASEMENT TLE TRUCKS (PERCENT OF) OR TELEPHONE TYP TYPICAL UNDERGROUND LIG VAR VARIABLE VELOCITY OR DESIGN SPEED VERT VERTICAL VPC VERTICAL POINT OF CURVE VERTICAL POINT OF INTERSECTION VPI WESTBOUND WB



UTILITY CONTACTS

DEKORRA SANITARY DISTRICT #1 MR. JERRY FOELLMI GENERAL ENGINEERING COMPANY 916 SILVER LAKE DRIVE P.O. BOX 340 PORTAGE, WI 53901 (608)742-2169 JFOELLMI@GENERALENGINEERING.NET

AT&T | FGACY MR. CARL DONAHUE OR WILLIAM KOENIG JMC ENGINEERS & ASSOCIATES 866 ROCK CREEK ROAD PLANO, IL 60545 (847)420-9115 CDONAHUE@ATT.COM

ALLIANT ENERGY MR. JASON HOGAN 4902 NORTH BALTIMORE LN SUITE 1000 MADISON, WI 53718 (608)458-4871 JASONHOGAN@ALLIANTENERGY.COM

CONSULTANT CONTACT

MEAD & HUNT, INC. 6501 WATTS ROAD MADISON, WI. 53719-2700 ATTN: MR. GARY RUCHTI, PE TELEPHONE: (608)273-6380 EMAIL: GARY, RUCHTI@MEADHUNT.COM

DEPARTMENT OF NATURAL RESOURCES 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711-5397 ATTN: MS. CATHY BLESER TELEPHONE: (608)275-3308 EMAIL: CATHERINE.BLESER@WISCONSIN.GOV

PROJECT NO: 1011-03-78

ΥD

HWY: IH 39/90/94

COUNTY: COLUMBIA

NOTES. STANDARD ABBREVIATIONS & UTILITIES

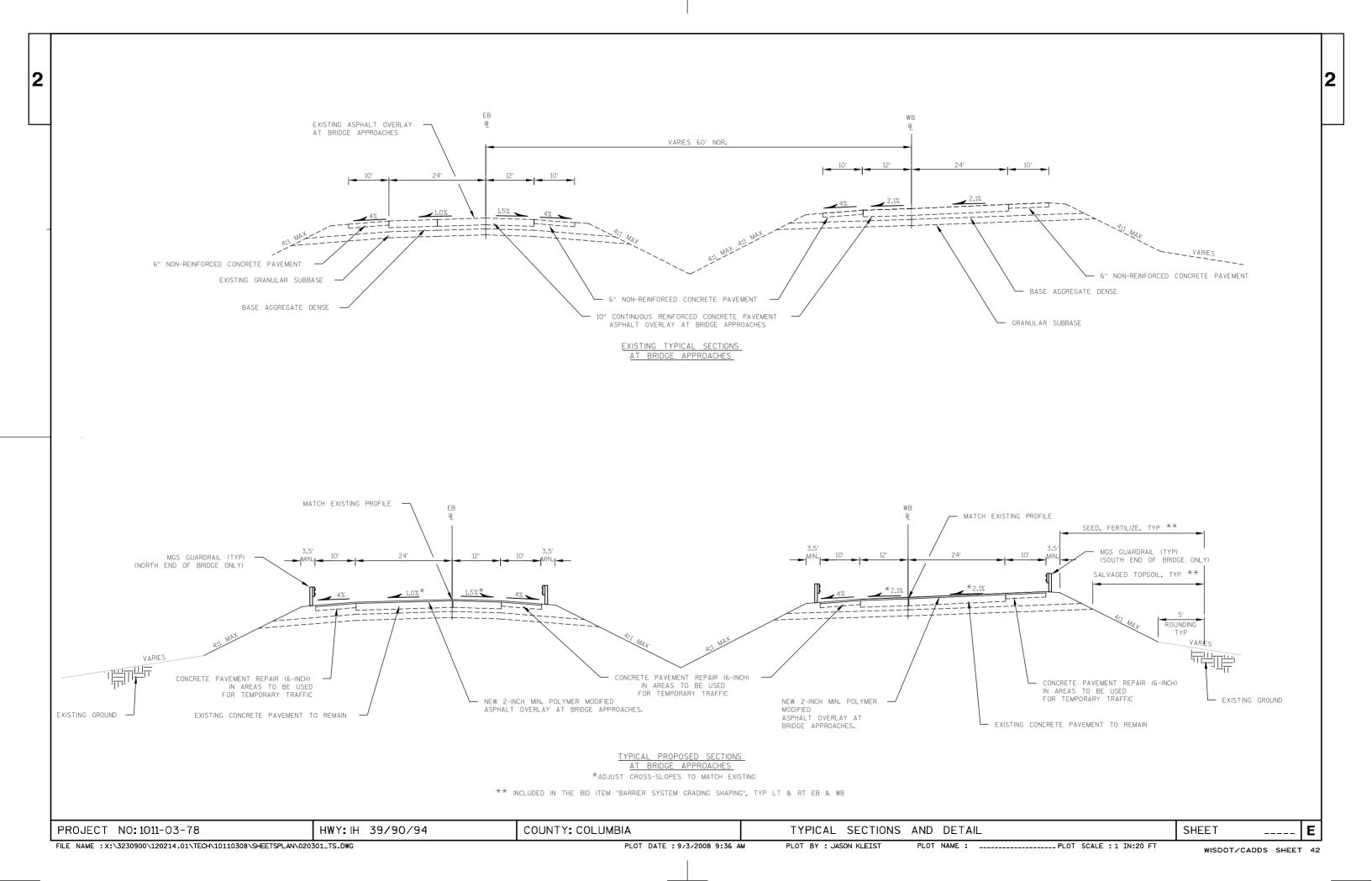
SHEET

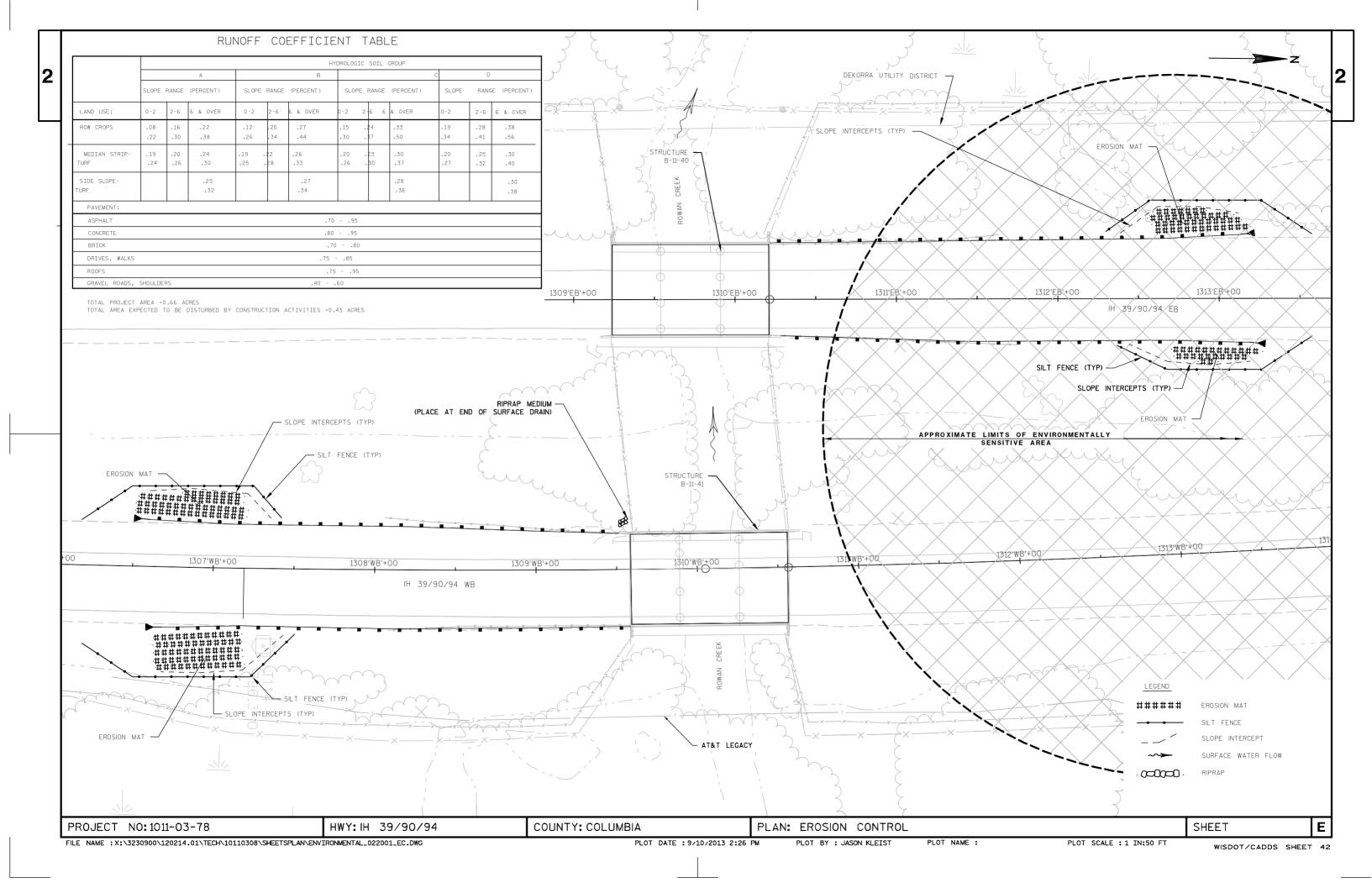
WISDOT/CADDS SHEET 42

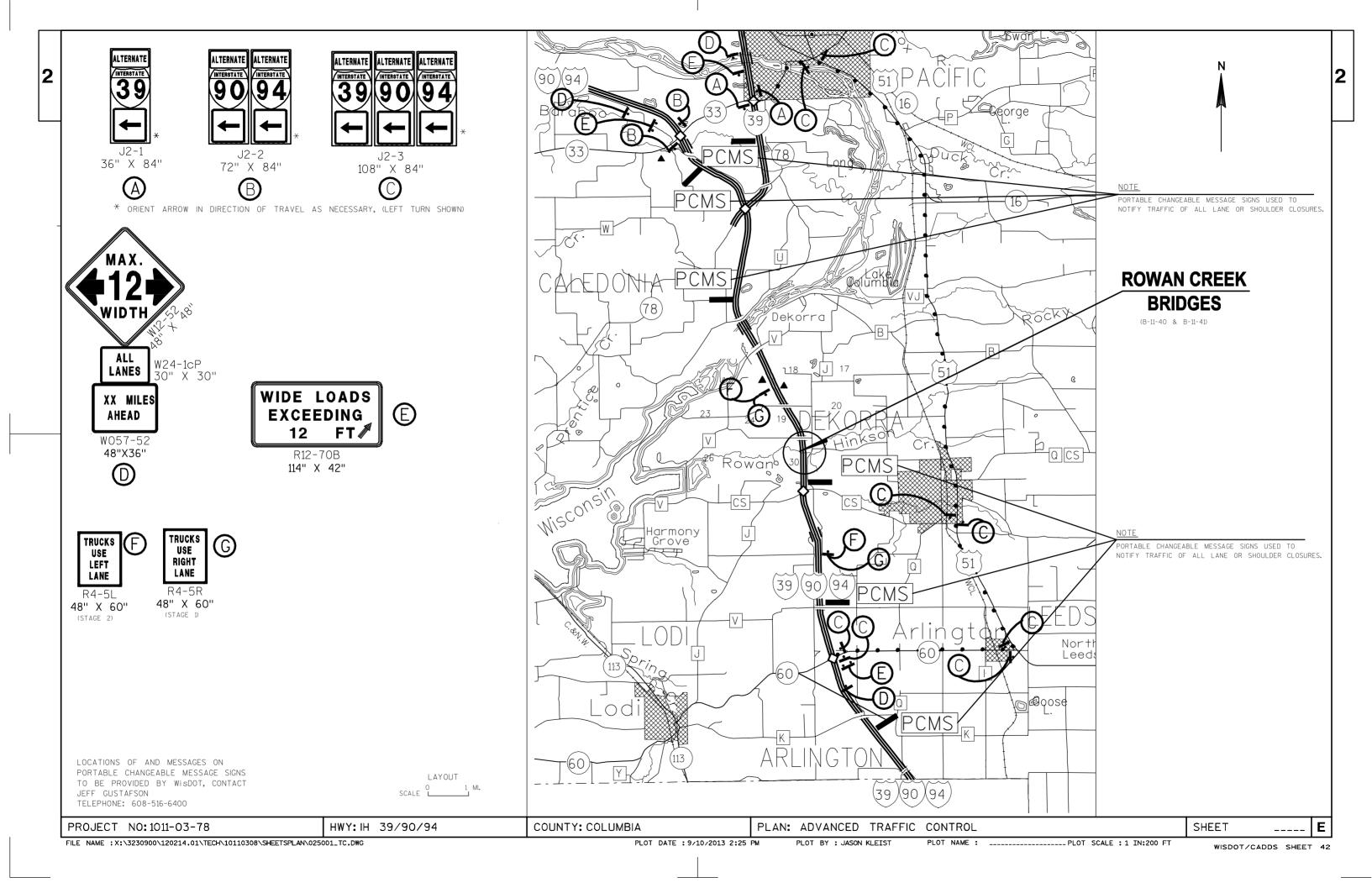
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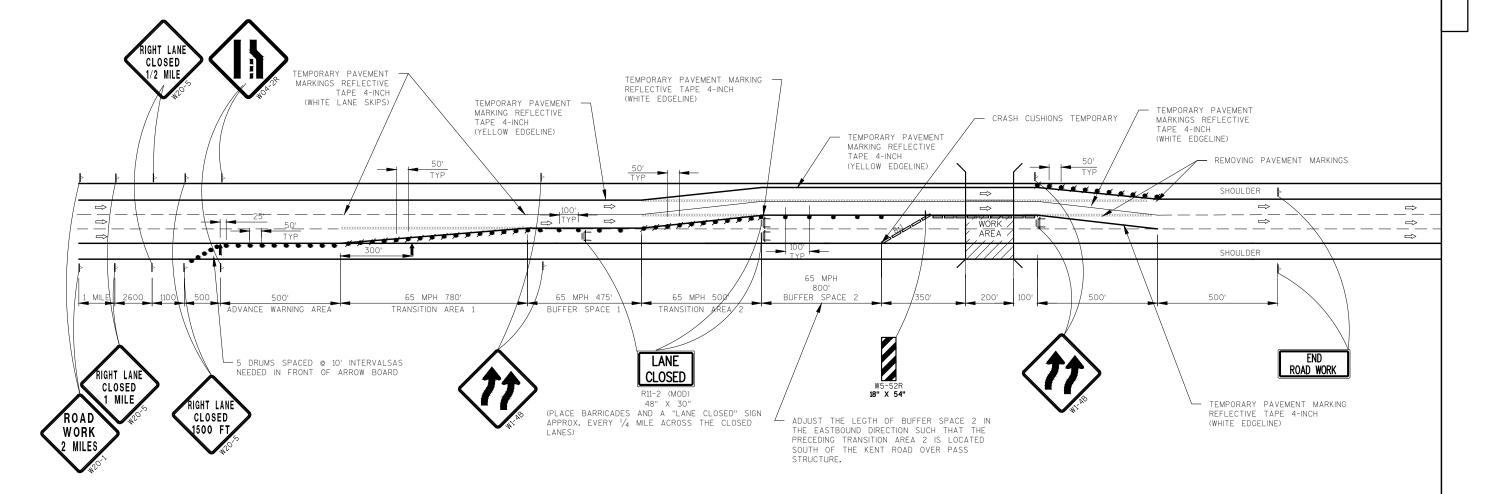
PLOT DATE: 9/3/2008 9:36 AM PLOT BY : KEITH KOSBAU

YARD









GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES. FOR CLOSING THE LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH THE EXISTING SIGNS, PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

TYPICAL DRUM PLACEMENT IS 2' OFFSET FROM THE "ACTIVE" PAVEMENT MARKING

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

STAGE 1

TRAFFIC: BOTH EB AND WB LEFT LANE AND SHOULDER ARE CLOSED TO TRAFFIC. TRAFFIC WILL RUN ON THE MIDDLE AND RIGHT LANES. FOLLOW THE DETAILS OF STANDARD DETAIL DRAWING "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH"

CONSTRUCTION: PREPARE THE LEFT SHOULDER FOR THE ACCOMMODATION OF MAINLINE TRAFFIC. THE WORK INCLUDES BASE PATCHING CONCRETE AND FILLING OF RUMBLE STRIPS.

STAGE 2

TRAFFIC: BOTH EB AND WB MIDDLE AND RIGHT LANES ARE CLOSED. TRAFFIC WILL RUN ON THE LEFT LANE AND LEFT SHOULDER. FOLLOW THE DETAILS OF THIS DETAIL DRAWING

CONSTRUCTION: THE WORK INCLUDES BASE PATCHING CONCRETE, FILLING RUMBLE STRIPS, BRIDGE OVERLAY AND BEAMGAURD. PREPARE THE RIGHT SHOULDER FOR THE FUTURE ACCOMMODATION OF MAINLINE TRAFFIC AND COMPLETE THE OVERLAY ON THE RIGHT HALF OF

STAGE 3

TRAFFIC: BOTH EB AND WB MIDDLE AND LEFT LANES ARE CLOSED, TRAFFIC WILL RUN ON THE RIGHT LANE AND RIGHT SHOULDER, REVERSE THE DETAILS OF THIS DETAIL DRAWING TO CLOSE THE LEFT TWO LANES.

CONSTRUCTION: WORK INCLUDES BRIDGE OVERLAY, BEAM GAURD AND RESTORING THE LEFT SHOULDER RUMBLE STRIPS. (BEAM GUARD MAY ALSO BE COMPLETED ON STAGE 1 AS AN OPTION)

STAGE 4

TRAFFIC: BOTH EB AND WB RIGHT LANE AND SHOULDER ARE CLOSED TO TRAFFIC. TRAFFIC WILL RUN ON THE MIDDLE AND LEFT LANE. FOLLOW THE CONSTRUCTION DETAILS OF STANDARD DETAIL DRAWING "TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER

CONSTRUCTION: WORK INCLUDES RESTORING THE RIGHT SHOULDER RUMBLE STRIPS.

LEGEND

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT

POST WITH ATTACHED SIGN

CONCRETE BARRIER TEMPORARY PRECAST

WORK AREA

ARROW BOARD

DIRECTION OF TRAFFIC

REMOVING PAVEMENT MARKINGS

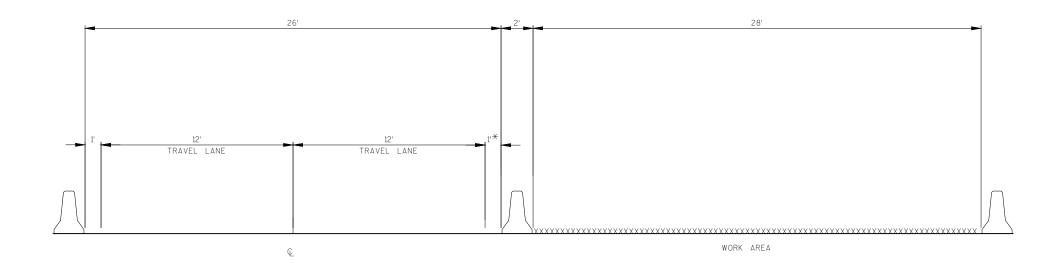
PROJECT NO: 1011-03-78 HWY: IH 39/90/94 COUNTY: COLUMBIA

PLAN: TRAFFIC CONTROL

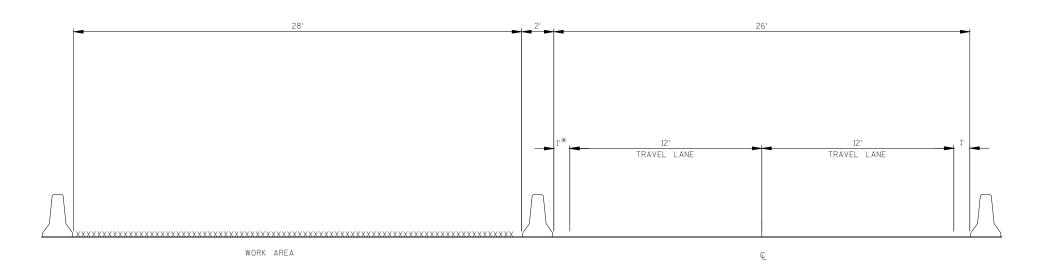
CONSTRUCTION STAGING DETAILS PLOT NAME : _____PLOT SCALE : 1 IN:400 FT SHEET

IH 39/94/90 ROWAN CREEK

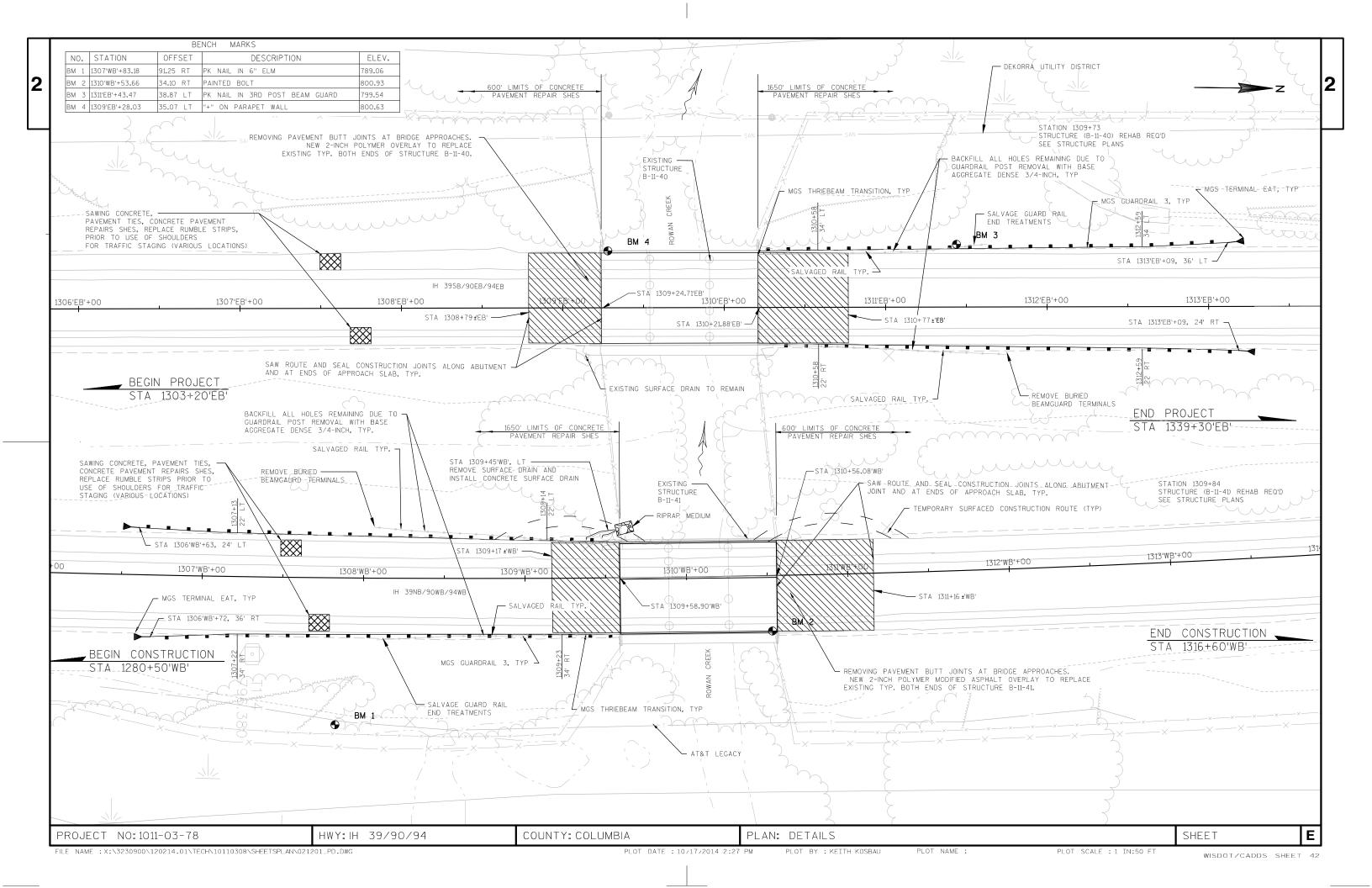
STAGE 2 WB & EB



STAGE 3 WB & EB



* NOTE: SHOULDER WIDTH MAY BE TEMPORARILY REDUCED FOR THE OPERATIONS OF REMOVING PAVEMENT BUTT JOINTS AND POLYMER MODIFIED ASPHALT OVERLAY, AS DIRECTED BY THE ENGINEER.



0350

0360

0370

0380

0390

0400

0410

0420

0430

0440

0450

0460

642.5001

643.0200

643.0300

643.0420

643.0705

643.0715

643. 0800

643.0900

643. 1050

645, 0130

646.0106

FIELD OFFICE TYPE B

TRAFFIC CONTROL DRUMS

TRAFFIC CONTROL SIGNS

646.0600 REMOVING PAVEMENT MARKINGS

TRAFFIC CONTROL SURVEILLANCE AND

TRAFFIC CONTROL ARROW BOARDS

PAVEMENT MARKING EPOXY 4-INCH

TRAFFIC CONTROL SIGNS PCMS

GEOTEXTILE FABRIC TYPE R

MAINTENANCE (PROJECT) 01. 1011-03-78

TRAFFIC CONTROL BARRICADES TYPE III

TRAFFIC CONTROL WARNING LIGHTS TYPE A

TRAFFIC CONTROL WARNING LIGHTS TYPE C

EACH

DAY

DAY

DAY

DAY

DAY

DAY

DAY

DAY

SY

LF

LF

1.000

39.000

4, 902. 000

2, 400.000

5, 514. 000

11, 810. 000

11, 410. 000

276.000

552.000

156.000

234.000

15.000

1.000

39.000

4, 902. 000

2, 400. 000

5, 514. 000

11, 810. 000

11, 410. 000

276.000

552.000

156.000

234.000

15.000

DATE 17 LINE	OCT14	E	STIMATE	OFQUAN	T I T I E S 1011-03-78	
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY	
0470	649. 0300	TEMPORARY PAVEMENT MARKING REFLECTIVE	LF	36, 580. 000	36, 580. 000	
0170	017.0000	TAPE 4-I NCH	_,	00,000.000	00,000.000	
0480	650, 9910	CONSTRUCTION STAKING SUPPLEMENTAL	LS	1. 000	1.000	
		CONTROL (PROJECT) 01. 1011-03-78				
0490	650. 9920	CONSTRUCTION STAKING SLOPE STAKES	LF	205.000	205.000	
0500	690. 0250	SAWING CONCRETE	LF	2, 760. 000	2, 760. 000	
0510	SPV. 0035	SPECIAL 01. CONCRETE MASONRY OVERLAY	CY	45. 000	45.000	
		DECK PATCHING				
0520	SPV. 0045	SPECIAL 01. PCMS REMOTE COMMUNICATIONS		117. 000	117. 000	
0530	SPV. 0090	SPECIAL 01. SAW, ROUTE AND SEAL	LF	224. 000	224. 000	
		CONSTRUCTION JOINTS				
0540	SPV. 0090	SPECIAL 02. TEMPORARY SURFACED	LF	200. 000	200. 000	
		CONSTRUCTION ROUTE				
0550	SPV. 0090	SPECIAL 03. REPLACE SHOULDER RUMBLE	LF	1, 070. 000	1, 070. 000	
		STRI PS				
0560	SPV. 0180	SPECIAL 01. REMOVING CONCRETE MASONRY	SY	585. 000	585. 000	
0300	3FV. 0100	OVERLAY DELAMINATIONS	31	363.000	363.000	
0570	SPV. 0180	SPECIAL 02. RESTORING RUMBLE STRIPS	SY	1, 090. 000	1, 090. 000	
0580	SPV. 0180	SPECIAL 03. FILLING RUMBLE STRIPS	SY	1, 090. 000	1, 090. 000	
		SPECIAL 03. FILLING ROWBLE STRIPS SPECIAL 01. POLYMER MODIFIED ASPHALT				
0590	SPV. 0195		TON	329. 000	329. 000	
		OVERLAY				

REMOVING SURFACE DRAINS

204.0190 REMOVING

SURFACE DRAINS

STATION LOCATION (EACH)
1309'WB'+46 LT 1

REMOVING BURIED BEAM GUARD TERMINALS

204.9060.S
REMOVING
BURIED
BEAM
GUARD
TERMINALS
STATION LOCATION (EACH)
1311'EB'+75 LT 1
1308'WB'+10 LT 1

BASE AGGREGATE

				BASE	BASE
				AGGREGATE	AGGREGATE
				DENSE 3/4-INCH	DENSE 1-1/4-INCH
STATION	-	STATION	LOCATION	(TON)	(TON)
1310'EB'+21	-	1313'EB'+12	LT	28	70
1310'EB'+29	-	1313'EB'+19	RT	30	72
1306'WB'+61	-	1313'WB'+51	LT	27	70
1306'WB'+68	-	1309'WB'+58	RT	25	68
_		-	TOTAL	110	280

305.0110

305.0120

NOTE: 3/4-INCH AGGREGATE USED FOR FILLING OLD POST HOLES AND 4-INCH THICK LAYER ON EAT FLAIRS. 1-1/4-INCH AGGREGATE USED FOR 6 -INCH THICK LAYER ON EAT FLAIRS.

REMOVING PAVEMENT BUTT JOINTS

HEMOTING! ATEMEN! BOT! CONTO	
	204.0105
	REMOVING
	PAVEMENT
	BUTT
	JOINTS
STATION - STATION LOCATION	(SY)
1308'EB'+79 - 1309'EB'+24 MAINLINE	295
1310'EB'+21 - 1310'EB'+77 MAINLINE	360
1309'WB'+17 - 1309'WB'+59 MAINLINE	270
1310'WB'+56 - 1311'WB'+16 MAINLINE	375
TOTAL	1300

CONCRETE PAVEMENT REPAIR SHES

•				416.1715
				PAVEMENT
				REPAIR
				SHES
STATION	-	STATION	LOCATION	(SY)
1310'EB'+21	-	1328'EB'+96	RT	135
1310'EB'+21	-	1328'EB'+96	LT	600
1299'EB'+94	-	1309'EB'+24	RT	380
1299'EB'+94	-	1309'EB'+24	LT	645
1287'WB'+84	-	1309'WB'+59	RT	380
1287'WB'+84	-	1309'WB'+59	LT	911
1310'WB'+56	-	1319'WB'+86	RT	179
1310'WB'+56	-	1319'WB'+86	LT	290
			TOTAL	3,520

RIPRAP AND GEOTEXTILE FABRIC

		606.0200	645.0130
			GEOTEXTILE
		RIPRAP	FABRIC
		MEDIUM	TYPE R
STATION	LOCATION	(CY)	(SY)
1309'WB'+45	LT	2	15
	TOTAL	2	15

PAVEMENT TIES

		416.0610
		DRILED
		TIE BARS
STATION - STATION	LOCATION	(EACH)
1310'EB'+21 - 1328'EB'+96	RT	61
1310'EB'+21 - 1328'EB'+96	LT	271
1299'EB'+94 - 1309'EB'+24	RT	171
1299'EB'+94 - 1309'EB'+24	LT	291
1287'WB'+84 - 1309'WB'+59	LT	171
1287'WB'+84 - 1309'WB'+59	RT	411
1310'WB'+56 - 1319'WB'+86	LT	81
1310'WB'+56 - 1319'WB'+86	RT	131
	TOTAL	1,588
NOTE: TO TIE SHOULDER TO	D PAVEMEN	NT

POLYMER MODIFIED ASPHALT OVERLAY

FOLTMEN MODIFIED ASPITALT OVERLAT					
	SPV.0195.01				
	POLYMER				
	MODIFIED				
	ASPHALT				
	OVERLAY				
STATION - STATION LOCATION	(TON)				
1308'EB'+79 - 1309'EB'+24 MAINLINE	34				
1310'EB'+21 - 1310'EB'+77 MAINLINE	43				
1309'WB'+17 - 1309'WB'+59 MAINLINE	32				
1310'WB'+56 - 1311'WB'+16 MAINLINE	46				
TOTAL	155				

CONCRETE BARRIER TEMPORARY

OCHOILE BA	IIIILII I LIWII C	/II/AIII				
			603.8000	603.8125	603.8125	614.0905
			CONCRETE	CONCRETE	*CONCRETE	
			BARRIER	BARRIER	BARRIER	
			TEMPORARY	TEMPORARY	TEMPORARY	CRASH
			PRECAST	PRECAST	PRECAST	CUSHIONS
			DELIVERED	INSTALLED	INSTALLED	TEMPORARY
STATION -	STATION	LOCATION	(LF)	(LF)	(LF)	(EACH)
1305'EB'+21 -	1311'EB'+71	MAINLINE	650	650	2,250	1
1305'WB'+56 -	1312'WB'+06	MAINLINE	650	650	2,250	1
		TOTAL	1,300	1,300	4,500	2
* NOTE: EOD DI		DADDIED				

* NOTE: FOR REPOSITIONING BARRIER.

ALL QUANTITIES SHOWN ARE ASSOCIATED WITH GROUP 0010 - ROADWAY ITEMS

PROJECT NO: 1011-03-78 HWY: 39/90/94 COUNTY: COLUMBIA MISCELLANEOUS QUANTITIES SHEET **E**

FILE NAME: PLOT DATE: 10/13/2014 3:40 PM PLOT BY: PLOT NAME: PLOT SCALE : 100.0 :1.0

_<
J

			643.0200	643.0300	643.0420	643.0705	643.0715	643.0800	643.0900	643.1050	SPV.0045.01
			TRAFFIC								
			CONTROL		TRAFFIC		TRAFFIC	TRAFFIC			
			SURVEILLANCE	TRAFFIC	CONTROL	TRAFFIC CONTROL	CONTROL	CONTROL	TRAFFIC	TRAFFIC	
			AND	CONTROL	BARRICADES	WARNING LIGHTS	WARNING	ARROW	CONTROL	CONTROL	PCMS REMOTE
		DURATION	MAINTENANCE	DRUMS	TYPE III	TYPE A	LIGHTS TYPE C	BOARDS	SIGNS	SIGNS PCMS	COMMUNICATIONS
ROADWAY	LOCATION	(DAYS)	(DAY)	(DAY)	(DAY)	(DAY)	(DAY)	(DAY)	(DAY)	(DAY)	(DAY)
STAGE 1											
IH 39/90/94	EB	6	6	354	12	24	96	12	450	18	12
IH 39/90/94	WB	6		354	12	24	96	12	306	18	6
STAGE 2											
IH 39/90/94	EB	15	15	960	60	120	540	30	1,275	45	30
IH 39/90/94	WB	15		960	60	120	540	30	915	45	15
STAGE 3											
IH 39/90/94	EB	15	15	960	60	120	540	30	1,275	45	30
IH 39/90/94	WB	15		960	60	120	540	30	915	45	15
STAGE 4											
IH 39/90/94	EB	3	3	177	6	12	24	6	225	9	6
IH 39/90/94	WB	3		177	6	12	24	6	153	9	3
	TOTAL	•	39	4,902	276	552	2,400	156	5,514	234	117

Gι	JAF	RD	R/	۱L

		614.2500	614.2300	614.2610 MGS
		MGS THRIE		GUARDRAIL
		BEAM	MGS	TERMINAL
		TRANSITION	GUARDRAIL 3	EAT
STATION - STATION	LOCATION	(LF)	(LF)	(EACH)
1310'EB'+21 - 1313'EB'+12	LT	40	198	1
1310'EB'+29 - 1313'EB'+19	RT	40	197	1
1306'WB'+61 - 1313'WB'+51	LT	40	198	1
1306'WB'+68 - 1309'WB'+58	RT	40	197	1
	TOTAL	160	790	4

SALVAGED RAIL

				614.0920
				SALVAGED
				RAIL
STATION	-	STATION	LOCATION	(LF)
1310'EB'+21	-	1311'EB'+63	LT	145
1310'EB'+29	-	1313'EB'+76	RT	150
1308'WB'+06	-	1313'WB'+58	LT	150
1308'WB'+08	-	1309'WB'+58	RT	150
			TOTAL	595

BARRIER SYSTEM GRADING SHAPING FINISHING

BARRIER 3131 EM GRADING SHAPING FINISHING										
	614.0010 FOR INFORMATIONAL PURPOSES						ES ONLY			
		BARRIER SYSTEM				SEEDING		EROSION		
		GRADING SHAPING		SALVAGED	FERTILIZER	MIXTURE	SEEDING	MAT CLASS		
		FINISHING	BORROW	TOPSOIL	TYPE B	NO. 20	TEMPORARY	TYPE B		
STATION	LOCATION	(EACH)	(CY)	(SY)	(CWT)	(LB)	(LB)	(SY)		
1313'EB'+12	EB LT APPROACH	1	35	100	0.1	4	4	100		
1313'EB'+19	EB RT APPROACH	1	22	71	0.1	3	3	71		
1306'WB'+69	WB RT APPROACH	1	106	169	0.1	5	5	169		
1306'WB'+61	WB LT APPROACH	1	47	130	0.1	4	4	130		
	TOTAL	4	210	470	0.4	15	15	470		

SALVAGED GUARD RAIL END TREATMENTS 614.0925

TOTAL

		SALVAGED GUARD
		RAIL END
		TREATMENTS
STATION	LOCATION	(EACH)
1311'EB'+60	RT	1
1308'WB'+10	RT	1

SILT FENCE				
			628.1504	628.1520
			SILT	SILT FENCE
			FENCE	MAINTENANCE
STATION	- STATION	LOCATION	(LF)	(LF)
1306'WB'+18	- 1307'WB'+50	LT	140	140
1306'WB'+19	- 1307'WB'+50	RT	150	150
1312'EB'+40	- 1313'EB'+58	LT	140	140
1312'EB'+40	- 1313'EB'+57	RT	130	130
		TOTAL	560	560

CONCRETE SUFRACE DRAINS							
		416.1010					
		CONCRETE					
		SUFRACE					
		DRAINS					
STATION	LOCATION	(CY)					
1309'WB'+46	LT	1					
	TOTAL	1					

CONSTRUCTION STAKING								
		650.9910	650.9920					
		CONSTRUCTION						
		STAKING	CONSTRUCTION					
		SUPPLEMENTAL	STAKING					
		CONTROL	SLOPE STAKES					
STATION - STATION	LOCATION	(LS)	(LF)					
1312'EB'+68 - 1313'EB'+19	RT		52					
1312'EB'+62 - 1313'EB'+12	LT		51					
1306'EB'+60 - 1307'WB'+11	LT		51					
1306'WB'+69 - 1307'WB'+19	RT		51					
PROJECT		1						
	TOTAL	1	205					

				690.0250
				SAWING
				CONCRET
STATION	-	STATION	LOCATION	(LF)
1310'EB'+21	-	1328'EB'+96	RT	120
1310'EB'+21	-	1328'EB'+96	LT	480
1299'EB'+94	-	1309'EB'+24	RT	300
1299'EB'+94	-	1309'EB'+24	LT	600
1287'WB'+84	-	1309'WB'+59	RT	300
1287'WB'+84	-	1309'WB'+59	RT	600
1310'WB'+56	-	1319'WB'+86	RT	160
1310'WB'+56	-	1319'WB'+86	RT	200
			TOTAL	2,760

ALL QUANTITIES SHOWN ARE ASSOCIATED WITH GROUP 0010 - ROADWAY ITEMS

PROJECT NO: 1011-03-78 HWY: 39/90/94 COUNTY: COLUMBIA MISCELLANEOUS QUANTITIES SHEET		0	ľ	Ξ
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PLOT DATE: 10/13/2014 3:40 PM PLOT BY: PLOT NAME: PLOT SCALE: 100.0:1.0

	J

		646.0106	646.0600		9.0300 PORARY	SAW, ROUTE AND SEA	L CONSTRUCTI	ON JOINTS SPV.0090.01
		PAVEMENT			NT MARKING			SAW,
		MARKING	REMOVING	REFLECT	IVE TAPE 4-			ROUTE AND
		EPOXY 4-	PAVEMENT		NCH			SEAL
		INCH	MARKINGS	_	WHITE	STATION	LOCATION	(/
STATION - STATION	LOCATION	(LF)	(LF)	(LF)	(LF)	1309'WB'+58.90	MAINLINE	
STAGE 1 1280'WB'+03 - 1287'WB'+83	LANE SKIPS		205			1310'WB'+56.08	MAINLINE	
1331'EB'+97 - 1339'EB'+77	LANE SKIPS		205 205			1309'EB'+24.71	MAINLINE	
STAGE 2	LAINE SKIPS		205			1310'EB'+21.88	MAINLINE TOTAL	56 224
1312'WB'+07 - 1317'WB'+07	LANE SKIPS		125				IOIAL	224
1292'WB'+58 - 1297'WB'+58	LANE SKIPS		125					
1280'WB'+03 - 1287'WB'+83	LANE SKIPS		200					
1292'WB'+58 - 1317'WB'+07	YELLOW EDGE LINE		2,450					
1280'WB'+02 - 1317'WB'+07	WHITE EDGE LINE				3,705			
1287'WB'+82 - 1317'WB'+07	WHITE CL				2,925			
1292'WB'+83 - 1317'WB'+07				2,450		FILLING RUMBLE STRIF	PS	
1280'WB'+02 - 1287'WB'+83	LANE SKIPS		105		65		-	SPV.0180.03
1302'EB'+97 - 1307'EB'+73	LANE SKIPS		125					FILLING
1322'EB'+22 - 1327'EB'+22	LANE SKIPS		125					RUMBLE
1331'EB'+97 - 1339'EB'+77	LANE SKIPS		200					STRIPS
1302'EB'+73 - 1327'EB'+22	YELLOW EDGE LINE		2,450		2 705	STATION - STATIC	ON LOCATION	l (SY)
1302'EB'+73 - 1339'EB'+77 1302'EB'+73 - 1331'EB'+97	WHITE EDGE LINE WHITE CL				3,705 2,925	1287'WB'+68 - 1320'WB		285
1302'EB'+73 - 1331'EB'+97 1302'EB'+73 - 1327'EB'+22	YELLOW EDGE LINE			2,450	۷,۶۷۵	1287'WB'+69 - 1320'WB		285
1331'EB'+97 - 1339'EB'+77	LANE SKIPS			2,430	65	1299'EB'+78 - 1329'EB		260
STAGE 3	LAINE OINII O					1299'EB'+79 - 1329'EB		260
1312'WB'+07 - 1317'WB'+07	LANE SKIPS		125				TOTAL	1,090
1292'WB'+58 - 1297'WB'+58	LANE SKIPS		125					
1292'WB'+58 - 1317'WB'+07	WHITE EDGE LINE		2,350					
1280'WB'+02 - 1287+WB'+82	LANE SKIPS				65			
1280'WB'+02 - 1317'WB'+07	YELLOW EDGE LINE			3,705				
1292'WB'+58 - 1317'WB'+07	WHITE EDGE LINE				2,450			
1287'WB'+82 - 1317'WB'+07	WHITE CL				2,925			
1312'WB'+07 - 1317'WB'+07	LANE SKIPS	125						
1292'WB'+58 - 1297'WB'+58	LANE SKIPS	125						
1292'WB'+58 - 1317'WB'+07		2,450						
1280'WB'+02 - 1287'WB'+82	LANE SKIPS	200				RESTORING RUMBLE ST	TRIPS	
1309'WB'+08 - 1311'WB'+07	LANE SKIPS	50	105				5	SPV.0180.02
1302'EB'+97 - 1307'EB'+73 1322'EB'+22 - 1327'EB'+22	LANE SKIPS LANE SKIPS		125 125				F	RESTORING
1302'EB'+73 - 1327'EB'+22	WHITE EDGE LINE		2,350					RUMBLE
1331'EB'+97 - 1339'EB'+77	LANE SKIPS		2,000		65	071701		STRIPS
1302'EB'+73 - 1339'EB'+77				3,705		STATION - STATION		(SY)
1302'EB'+73 - 1327'EB'+22	WHITE EDGE LINE			-,	2,450	1287'WB'+68 - 1320'WB'+(285
1302'EB'+73 - 1331'EB'+97	WHITE CL				2,925	1287'WB'+69 - 1320'WB'+(1299'EB'+78 - 1329'EB'+1		285
1302'EB'+97 - 1307'EB'+73	LANE SKIPS	125			•	1299'EB'+78 - 1329'EB'+1 1299'EB'+79 - 1329'EB'+1		260 260
1322'EB'+22 - 1327'EB'+22	LANE SKIPS	125				1233 ED + / 3 - 1323 EB + 1	TOTAL	1,090
1302'EB'+73 - 1327'EB'+22	YELLOW EDGE LINE	2,450					IOIAL	1,000
1331'EB'+97 - 1339'EB'+77	LANE SKIPS	200						
1308'EB'+73 - 1310'EB'+72	LANE SKIPS	50						
STAGE 4								
1280'WB'+02 - 1287'WB'+82	LANE SKIPS	200						
1292'WB'+58 - 1317'WB'+07	WHITE EDGE LINE	2,405						
1312'WB'+07 - 1317'WB'+07	LANE SKIPS	125						
1292'WB'+58 - 1297'WB'+58	LANE SKIPS	125						
1309'WB'+08 - 1311'WB'+07	LANE SKIPS	100						
1331'EB'+97 - 1339'EB'+77	LANE SKIPS	200						
1302'EB'+73 - 1327'EB'+22	WHITE EDGE LINE	2,405						
1302'EB'+97 - 1307'EB'+73	LANE SKIPS	125						
1322'EB'+22 - 1327'EB'+22	LANE SKIPS	125						
1308'EB'+73 - 1310'EB'+72	LANE SKIPS	100	11 /10	10 010	24.070			
	TOTAL	11,810	11,410	12,310	24,270			

HWY: 39/90/94

PROJECT NO: 1011-03-78

TEMPORARY SURFACED CONSTRUCTION ROUTE							
			SPV.0090.02				
			TEMPORARY				
			SURFACED				
			CONSTRUCTION				
			ROUTE				
STATION	- STATION	LOCATION	(LF)				
1308'WB'+70	- 1309'WB'+70	LT	100				
1310'WB'+50	- 1311'WB'+50	LT	100				
		TOTAL	200				

REPLAC	E SHOULD	EK KOMBLE	STRIPS
			S

				SPV.0090.03
				REPLACE
				SHOULDER
				RUMBLE
				STRIPS
STATION	-	STATION	LOCATION	(LF)
1310'EB'+21	-	1328'EB'+96	RT	40
1310'EB'+21	-	1328'EB'+96	LT	180
1299'EB'+94	-	1309'EB'+24	RT	115
1299'EB'+94	-	1309'EB'+24	LT	195
1287'WB'+84	-	1309'WB'+59	LT	115
1287'WB'+84	-	1309'WB'+59	RT	280
1310'WB'+56	-	1319'WB'+86	LT	55
1310'WB'+56	-	1319'WB'+86	RT	90
			TOTAL	1,070

ALL QUANTITIES SHOWN ARE ASSOCIATED WITH GROUP 0010 - ROADWAY ITEMS

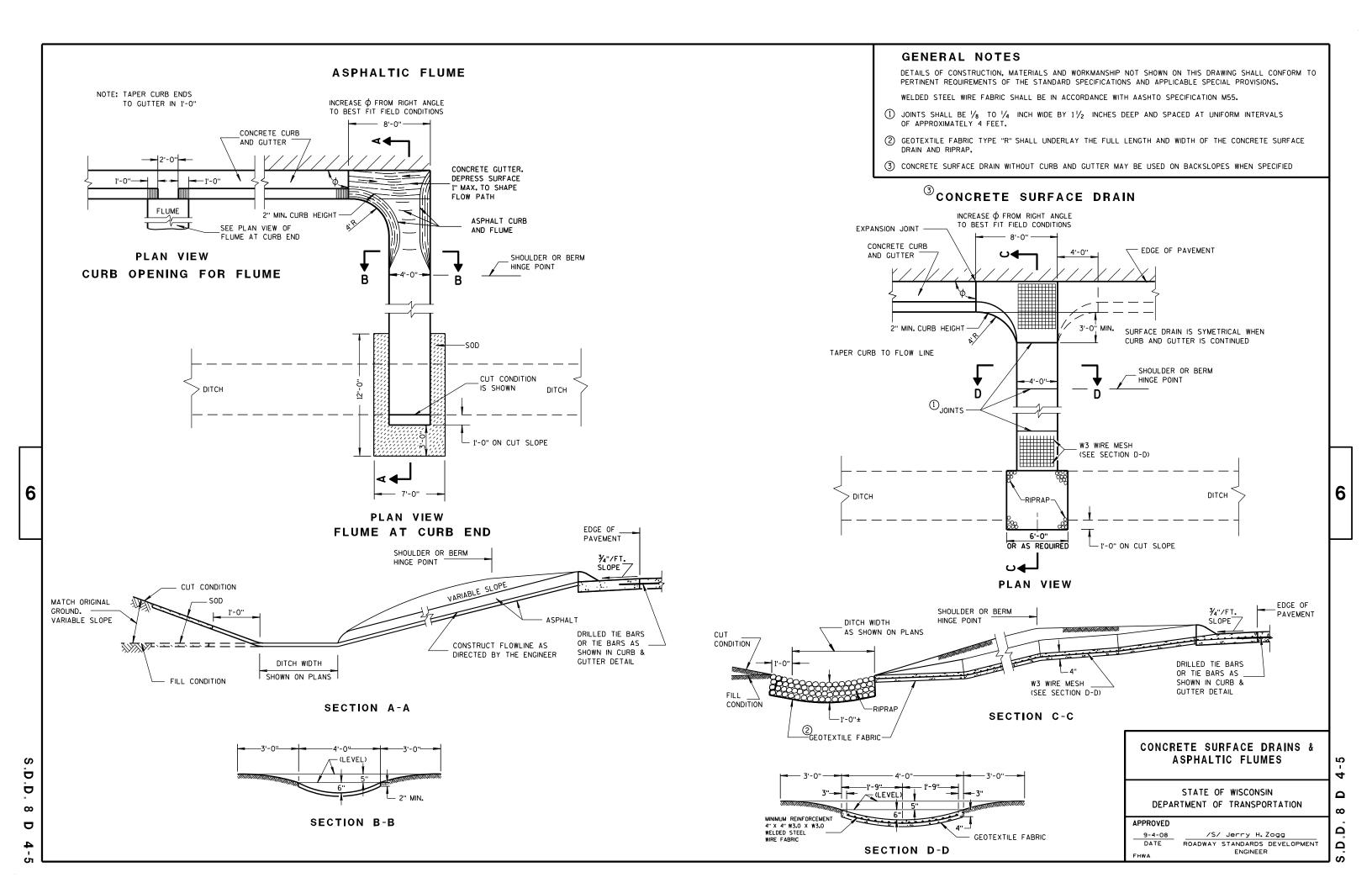
Ε MISCELLANEOUS QUANTITIES SHEET

PLOT NAME: PLOT SCALE: 100.0:1.0 FILE NAME: PLOT DATE: 10/17/2014 2:46 PM

COUNTY: COLUMBIA

Standard Detail Drawing List

08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E09-06	SILT FENCE
13C09-11A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-11B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-11C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
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	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-01A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B20-11D	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS
14B42-02A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02B	MI DWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-01A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-03A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15D12-02	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.



TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 2 FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



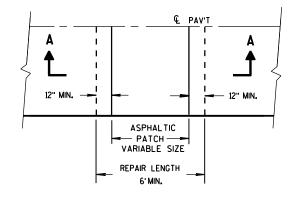
SILT FENCE

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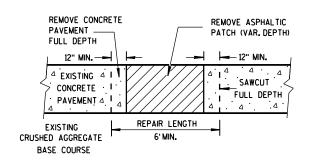
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

1) DOWEL BARS MIGHT NOT EXIST.

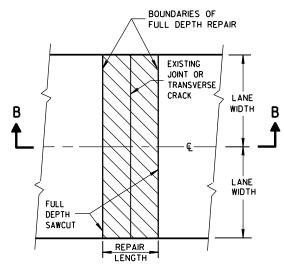


PLAN VIEW

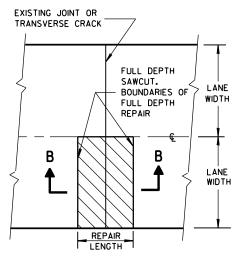


SECTION A-A

HMA PATCH REMOVAL



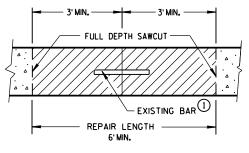
PLAN VIEW (DOUBLE LANE REPAIR)



PLAN VIEW (SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL

(SEE NOTE)



SECTION B-B
CONCRETE REMOVAL

CONCRETE PAVEMENT REPAIR
AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

MAXIMUM TIE BAR PAVEMENT CLEAR COVER SPACING "S" DEPTH PAVEMENT WIDTH "D" 24' OR 26' ≥30' 42" 3"±1/2" 48" 6,6 1/2" 3 1/4"±1" 36" 7, 7 1/2" 3 ¾"±1" 39" 30" 8, 8 1/2" 9,9 1/2" 4 1/4"±1" 33" 27" 10, 10 1/2" 4 3/4"±1" 30" 24" 11, 11 1/2" 5 1/4"±1" 27" 21" 12" 5 ¾"±1" 21" 24"

1/4" RAD.

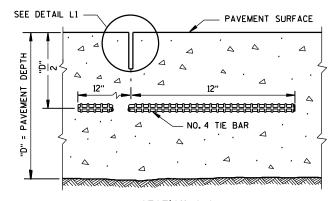
(TOOLED)

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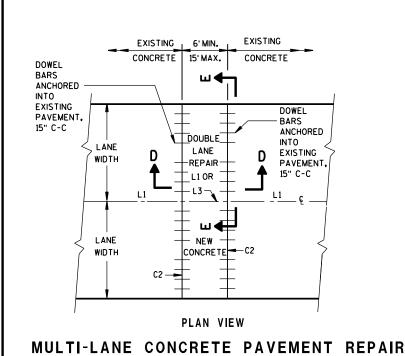
TIE BAR TABLE

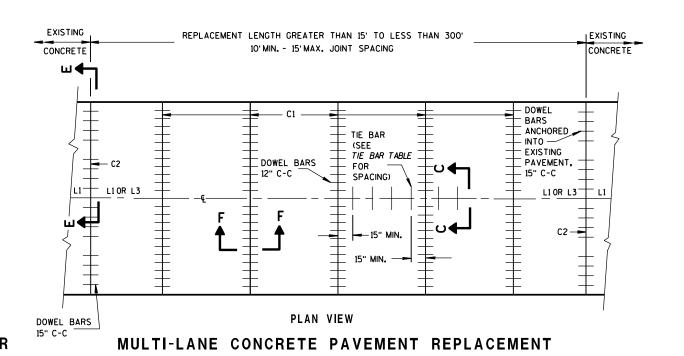


SECTION C-C SAWED LONGITUDINAL JOINT

SEE DETAIL C1 DOWEL BARS @ 12" C-C 12" FROM PAVEMENT EDGE (SEE SIZE TABLE)

SECTION F-F **CONTRACTION JOINT**





GENERAL NOTES

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

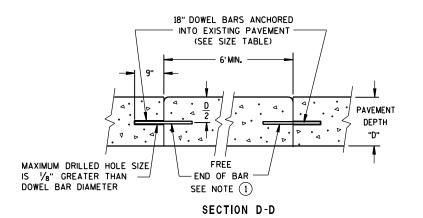
CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

DO NOT SEAL OR FILL JOINTS.

ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



(FOR 11' LANE WIDTH REDUCE CENTER SPACE TO 1'-O") 1'-3",1'-3" | 1'-3",1'-3",1'-3", 2'-0",1'-3",1'-3",1'-3" **PAVEMENT** DEPTH 0.0.0 "D" 18" DOWEL BARS (SEE SIZE TABLE)

DRILLED DOWEL BAR CONSTRUCTION JOINT

SECTION E-E

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

AND COME OF ACING TABLE					
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING			
5 1/2", 6",6 1/2"	NONE	12'			
7",7 1/2"	1"	14'			
8",8 1/2"	1 1/4"	15'			
9",9 1/2"	1 1/4"	15'			
10" & ABOVE	1 1/2"	15'			

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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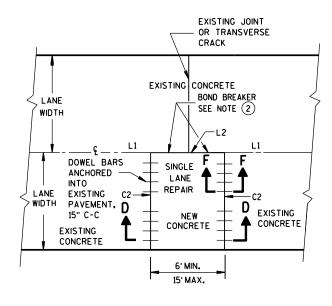
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SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



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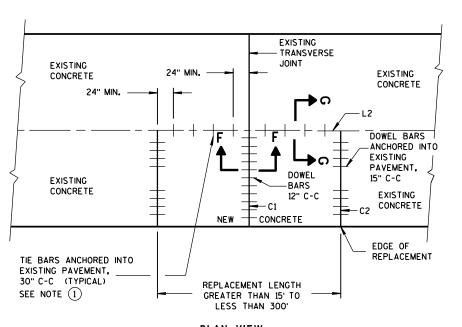
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PLAN VIEW
SINGLE LANE
CONCRETE PAVEMENT REPAIR



PLAN VIEW
SINGLE LANE
CONCRETE PAVEMENT REPLACEMENT

GENERAL NOTES

- (1) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
- 2 USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.

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CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

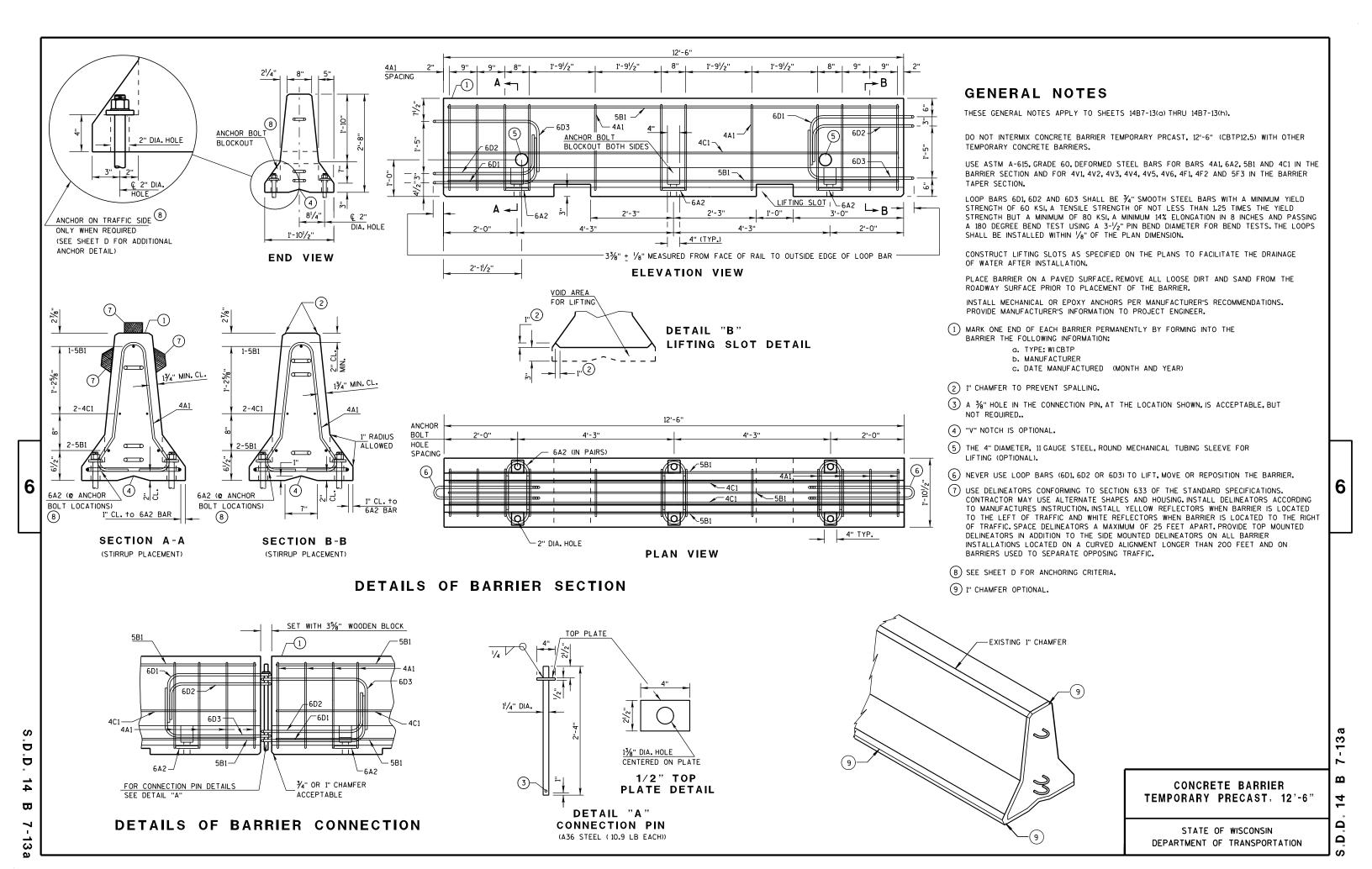
12-2013
DATE

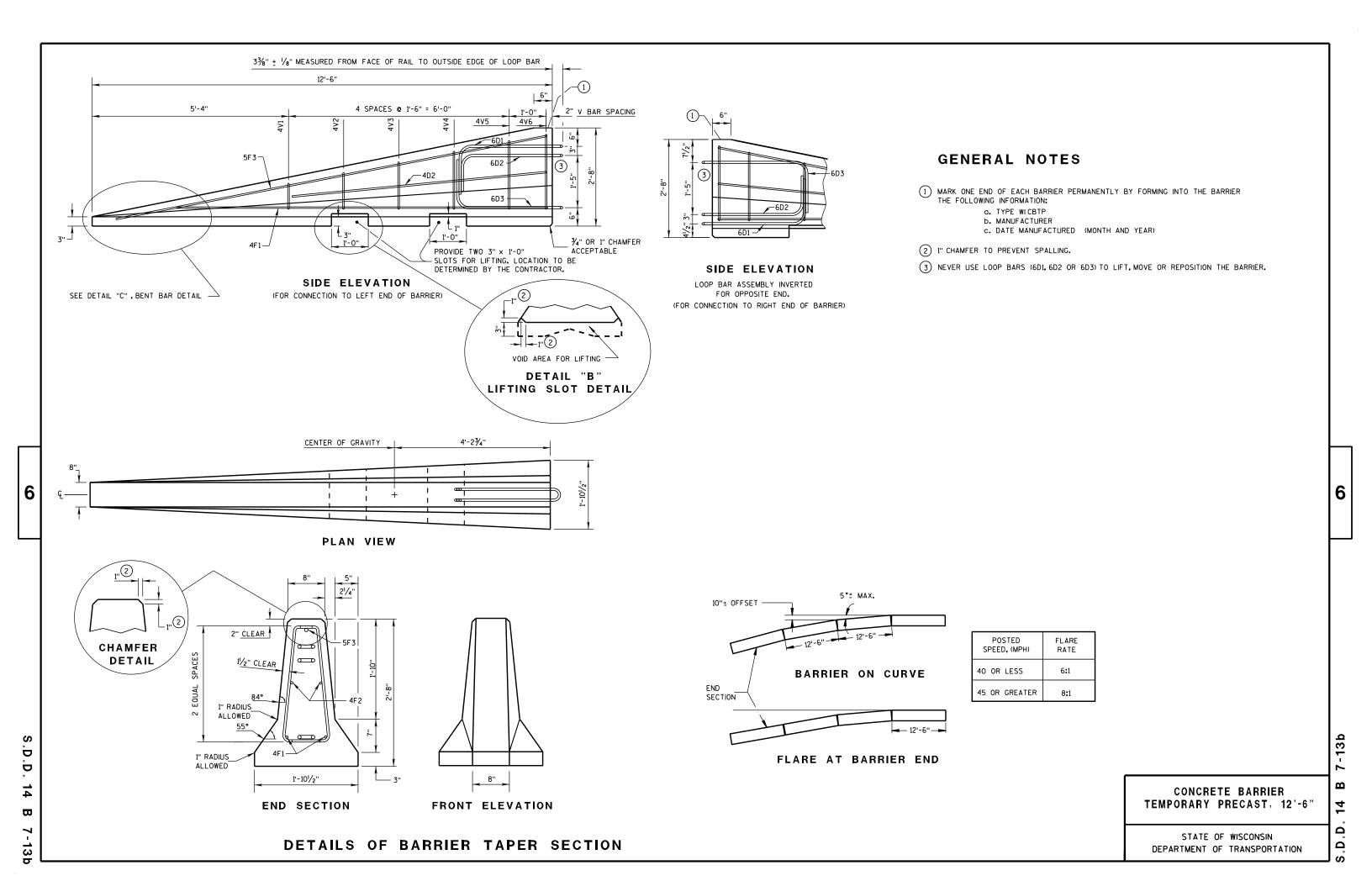
APPROVED

/S/ Deb Bischoff
PAVEMENT POLICY & DESIGN ENGINEER

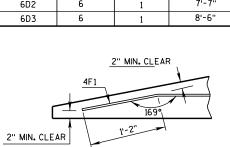
FHWA

S/ Deb Bischoff T POLICY & DESIGN ENGINEER



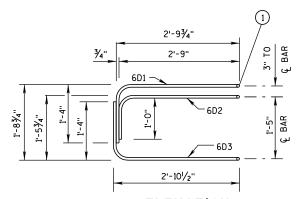


BAR	BAR SIZE	NO. OF BARS	LENGTH FT.	
4V1	4	2	1'-11"	
4V2	4	2	2'-2"	
4V3	4	2	2'-6"	
4V4	4	2	2'-9"	
4V5	4	2	3'-2"	
4V6	4	2	3'-4"	
4F1	4	2	12'-0"	
4F2	4	2	7'-6"	
5F3	5	1	11'-9''	
LOOP ASSEMBLY				
6D1	6	1	8'-5"	
6D2	6	1	7'-7"	
6D3	6	1	8'-6"	

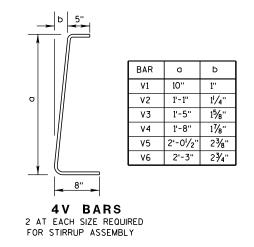


DETAIL "C"

BENT BAR DETAIL





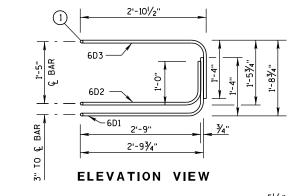


TAPER BARRIER SECTION

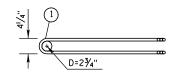
BARRIER SECTION

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

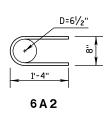


1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

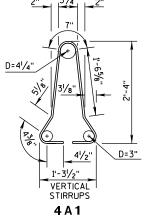


PLAN VIEW LOOP BAR ASSEMBLY

(MARKED END SHOWN, INVERT FOR OTHER END)



GENERAL NOTES



BARRIER SECTION

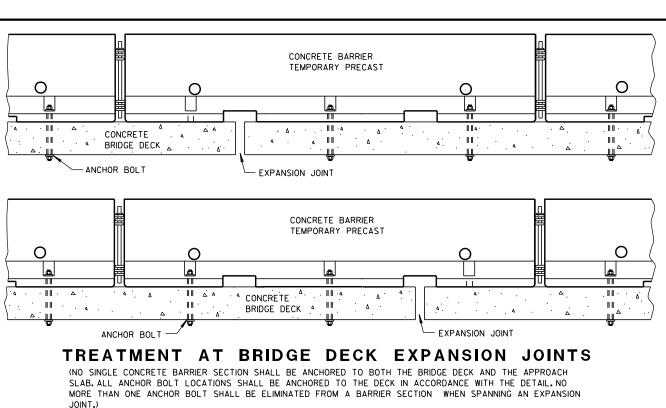
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

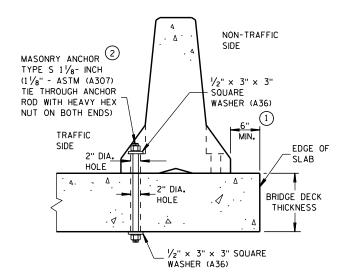
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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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

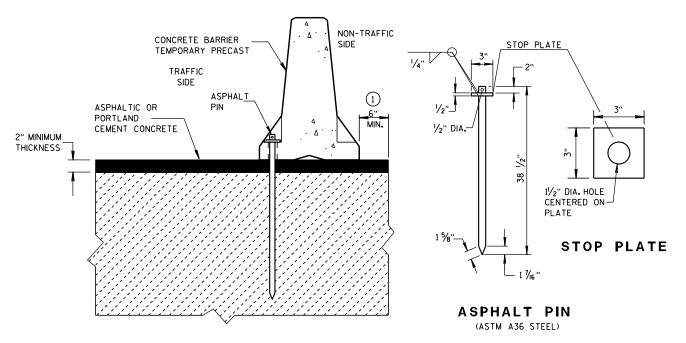
(1) CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF: THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H: 1V. FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED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

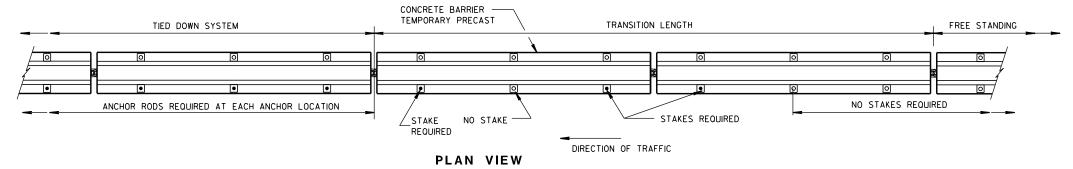
WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED (EPOXY) ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1 1/a-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE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

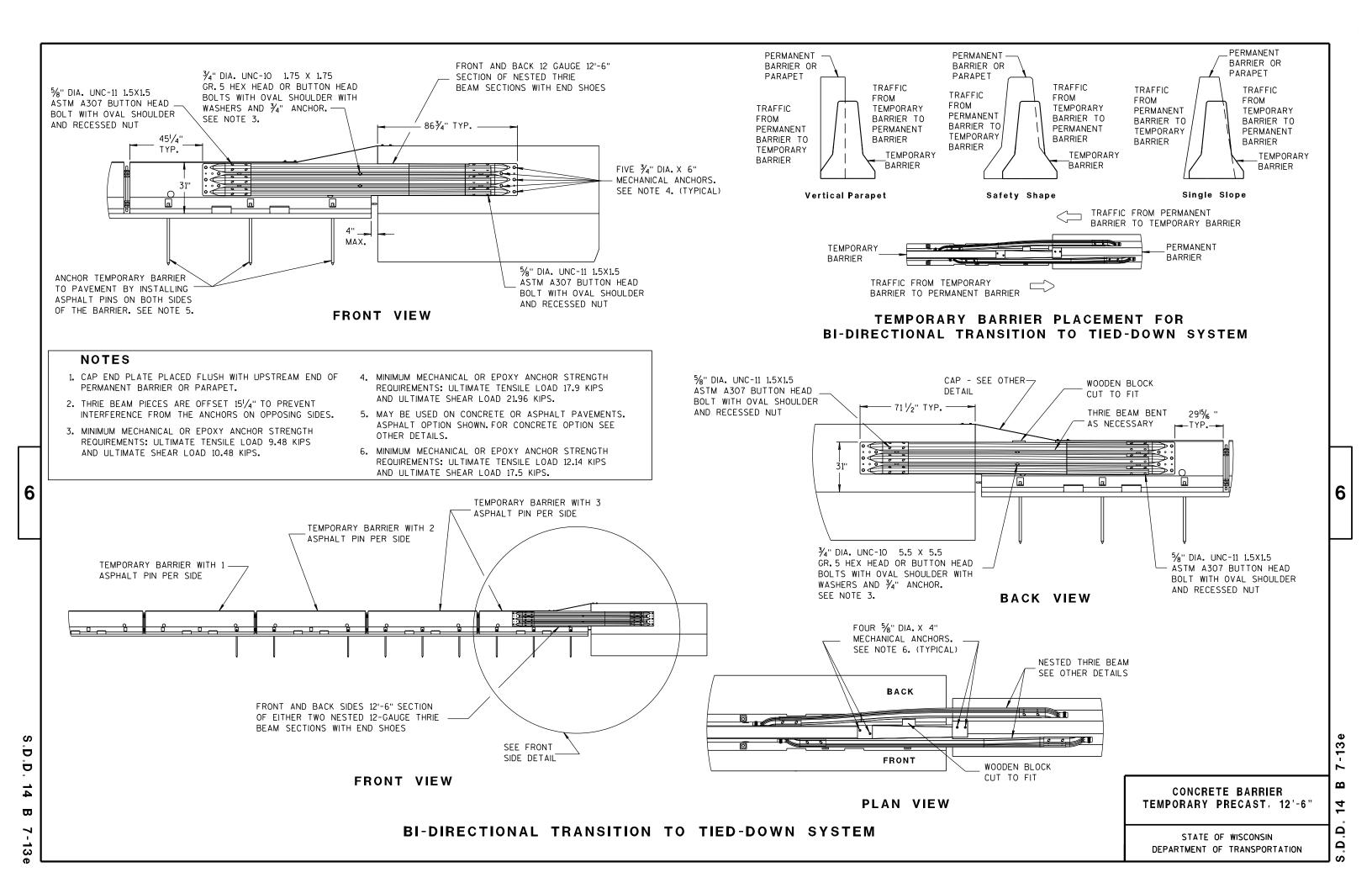
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY, IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN,)

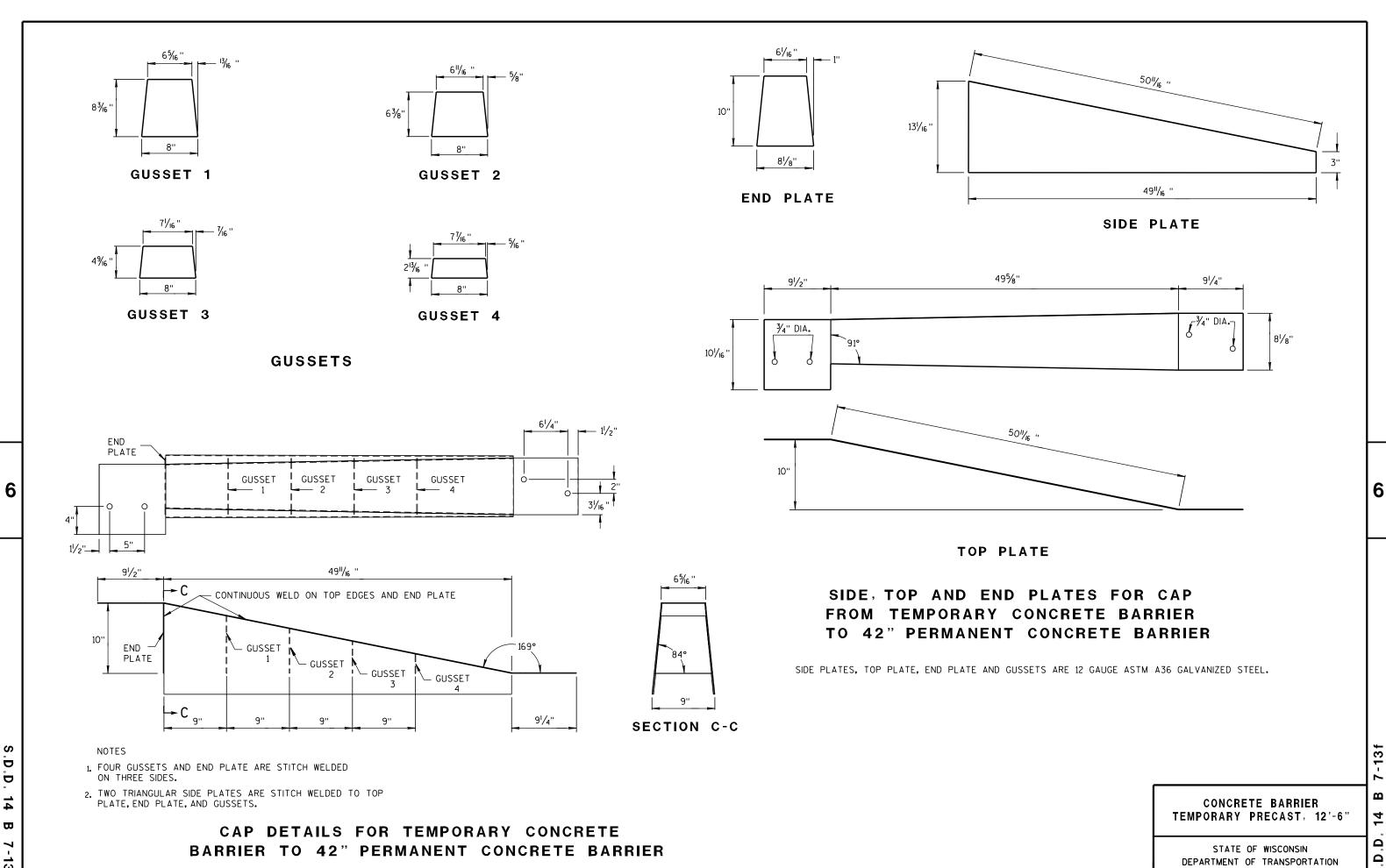
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6'

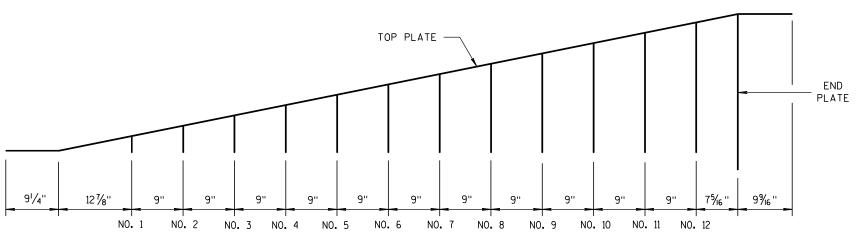
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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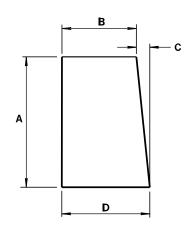






GUSSET LOCATION

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



GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

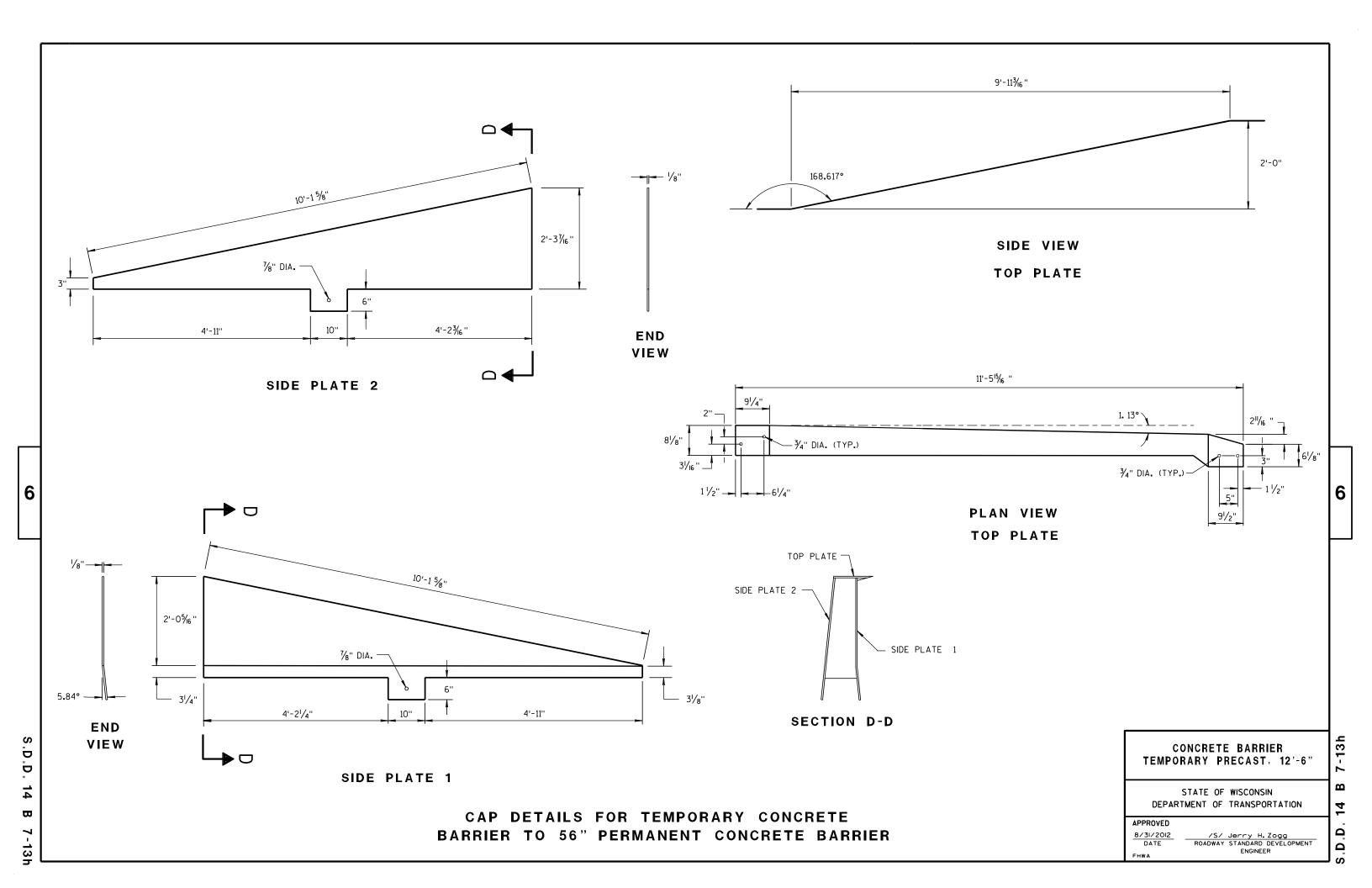
GUSSET DIMENSIONS				
GUSSET NO.	Α	В	С	D
1	2 1/8"	73/4"	1/4"	8
2	4"/16 "	7%6"	1/2"	8
3	61/2"	73/8"	11/16 ''	81/16 "
4	85/6"	7¾ ₆ "	7/8"	81/16"
5	101/8"	7''	1 1/16 "	8½ ₆ "
6	11 ¹⁵ / ₁₆ ''	6 ¹³ / ₁₆ "	1 1/4"	81/16"
7	13¾"	65⁄8''	1 7/6"	81/16"
8	15% "	6 ⅓ ₆ ''	1 % "	81/16 ''
9	173/8"	6 ¹ / ₄ "	1 13/16 "	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"

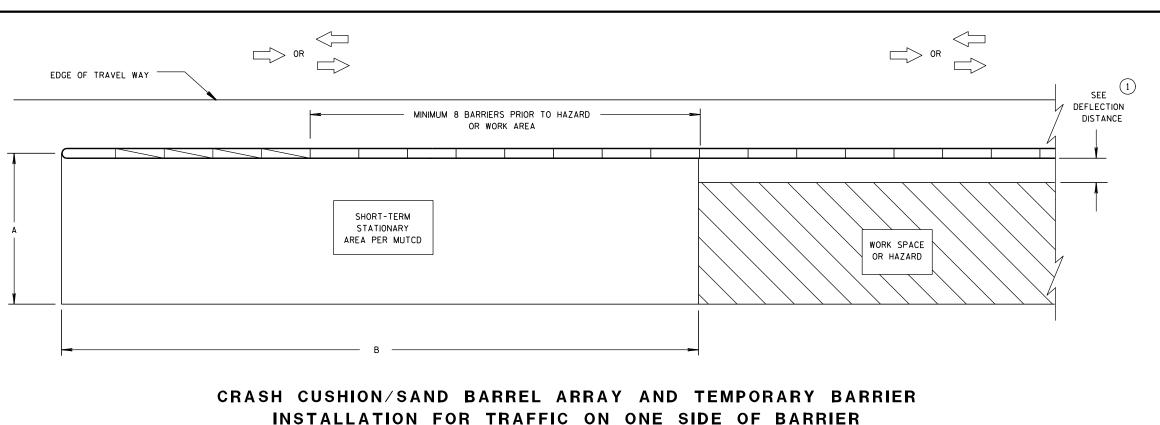
SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

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"

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DIMENSION A TABLE (2)

		DIMENSION A	
FACILITY	POSTED SPEED MPH	MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED Speeds	DIMENSION B
MPH	FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645

DIRECTION OF TRAVEL

SAND BARREL ARRAY

CRASH CUSHION OR

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY

BARRIER

LEGEND

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

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CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

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DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

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EDGE OF TRAVEL WAY -

EDGE OF TRAVEL WAY -

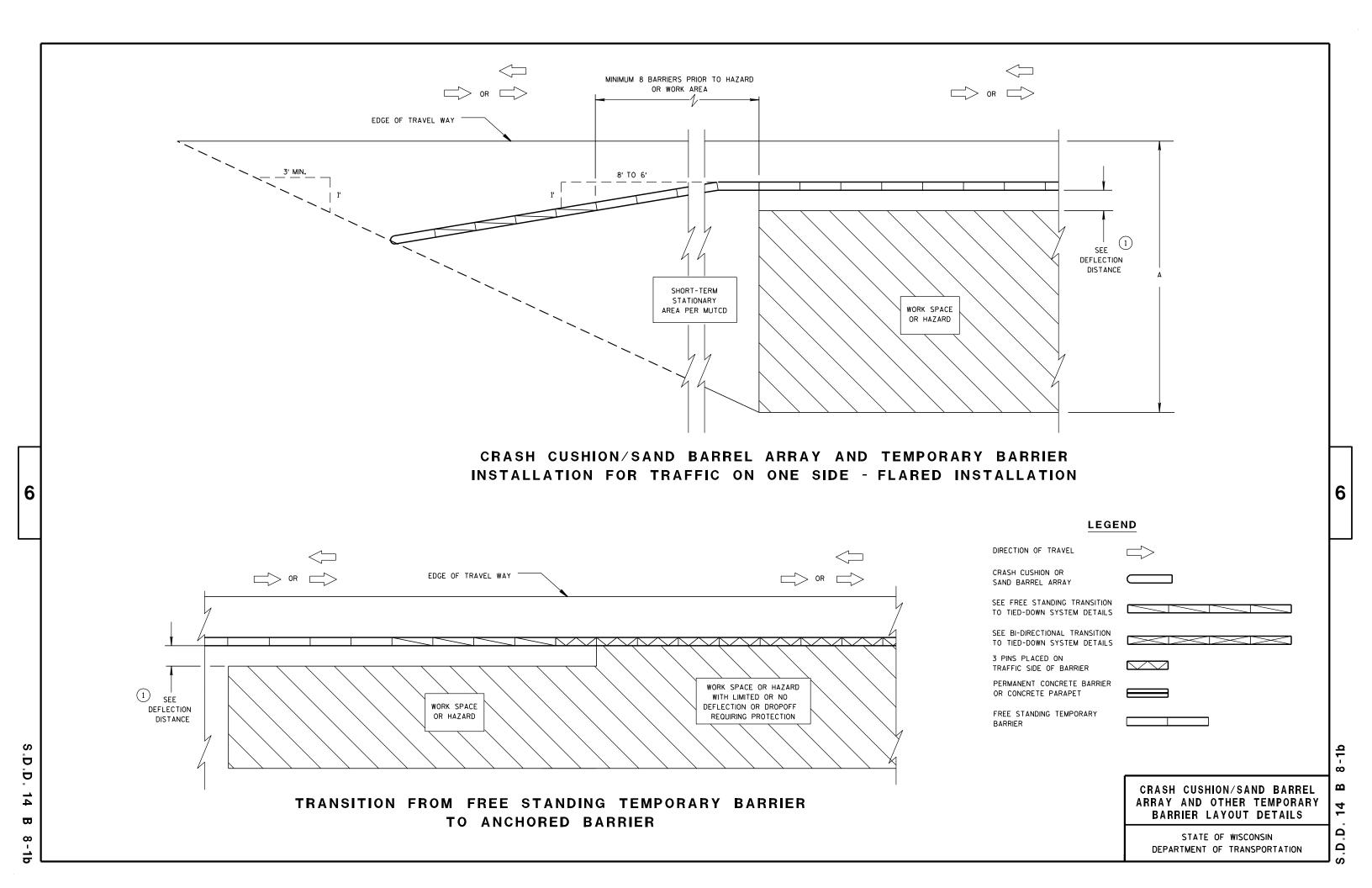
TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

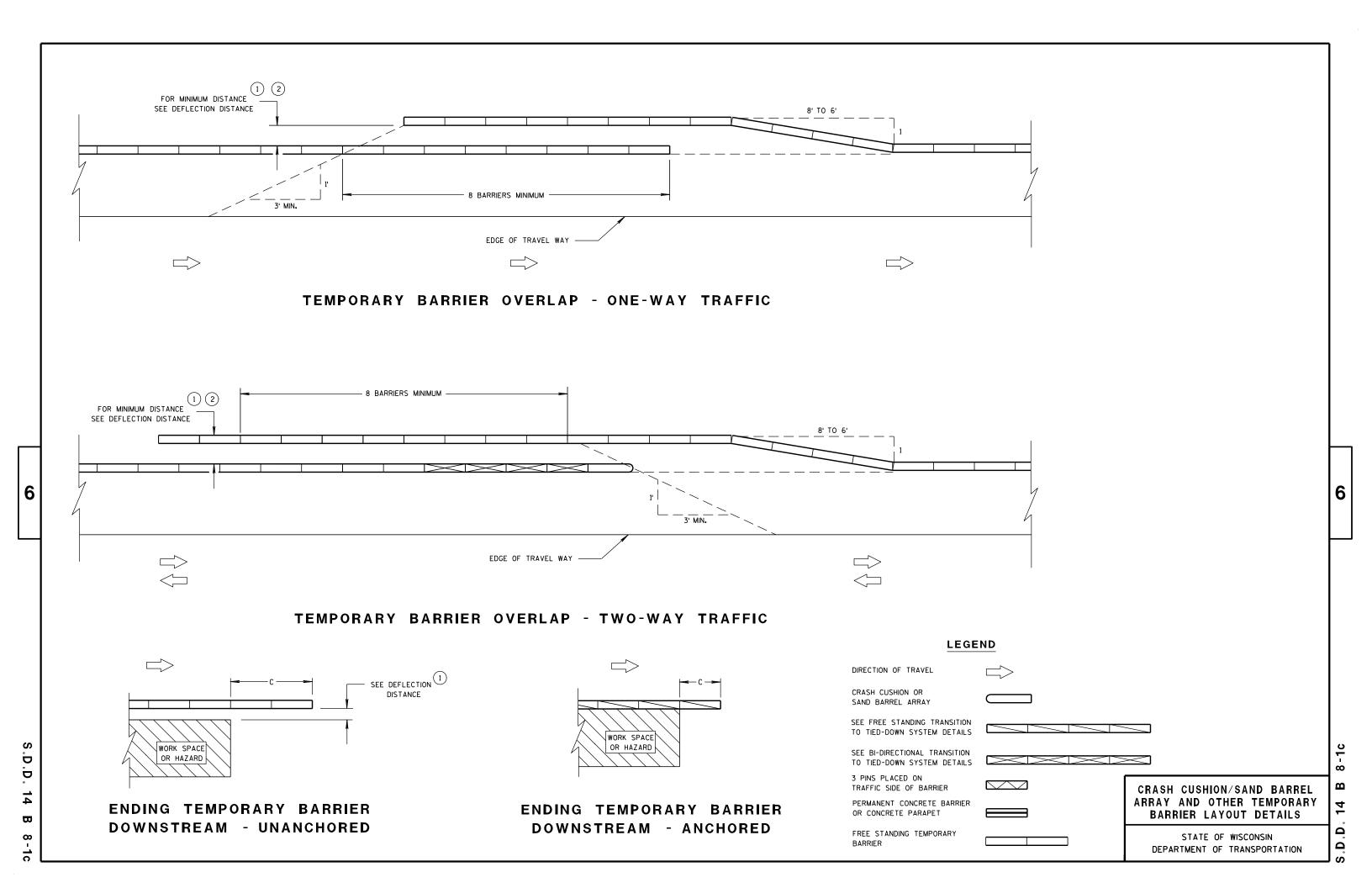
FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

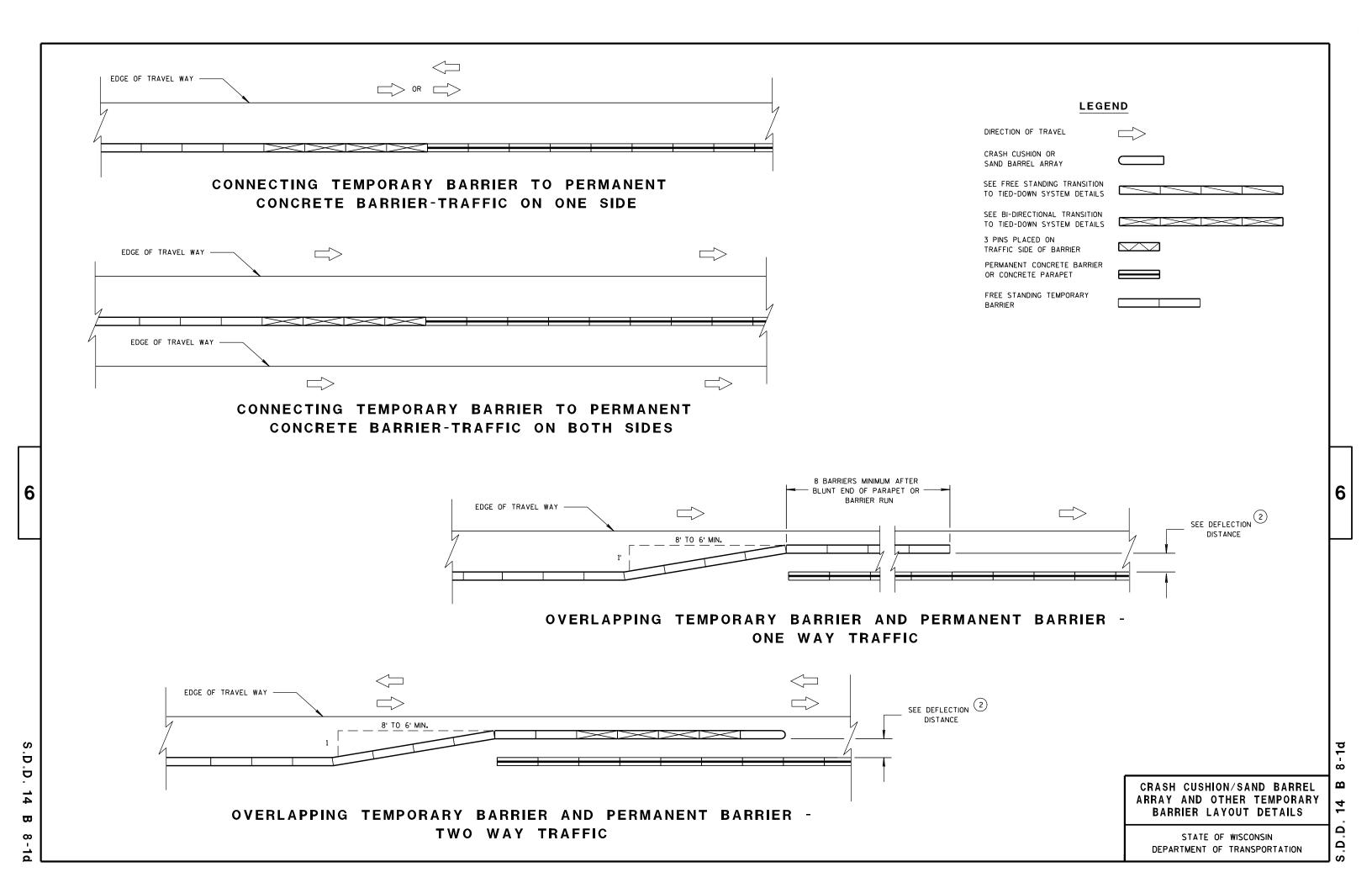
SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

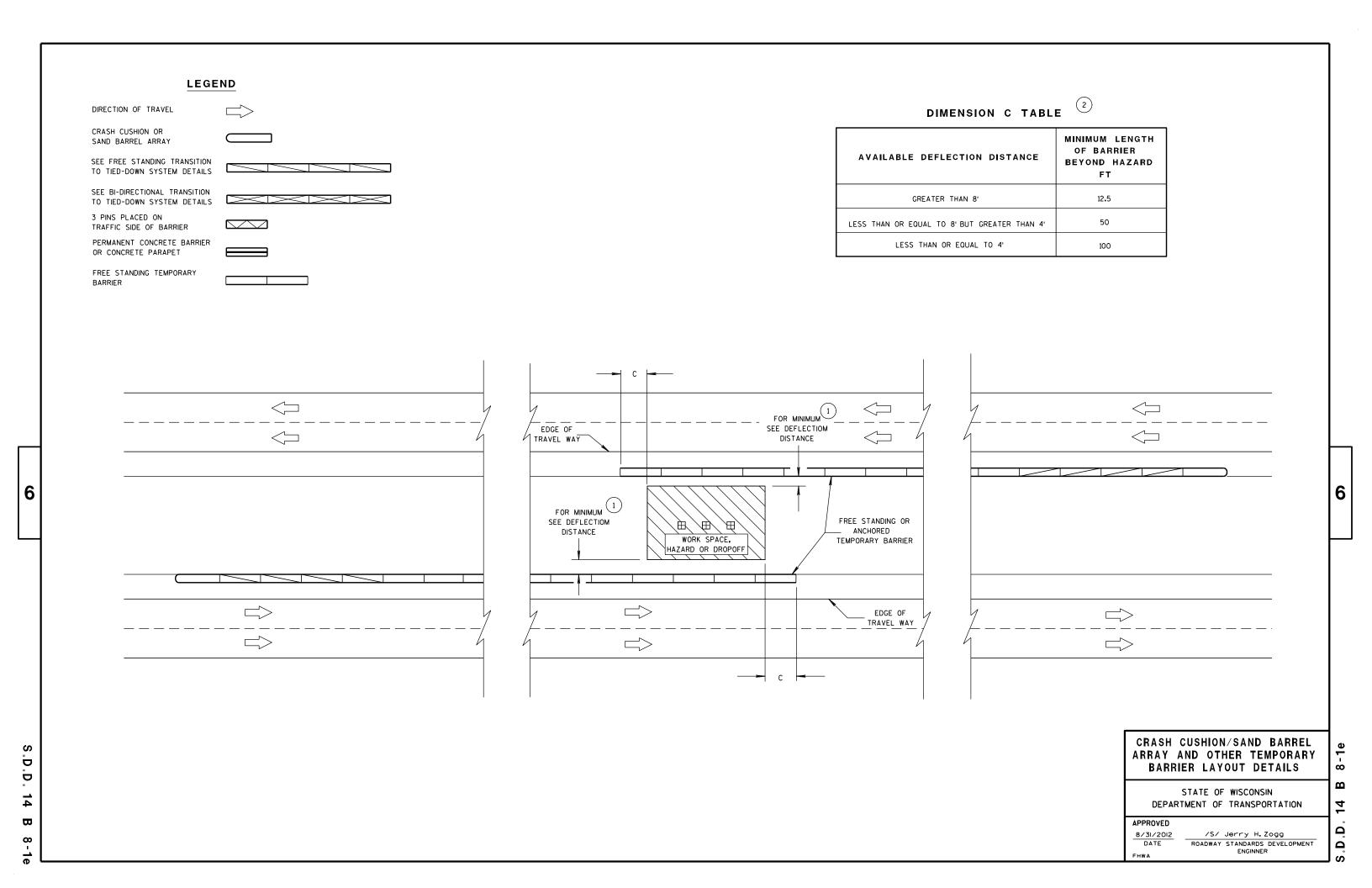
(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

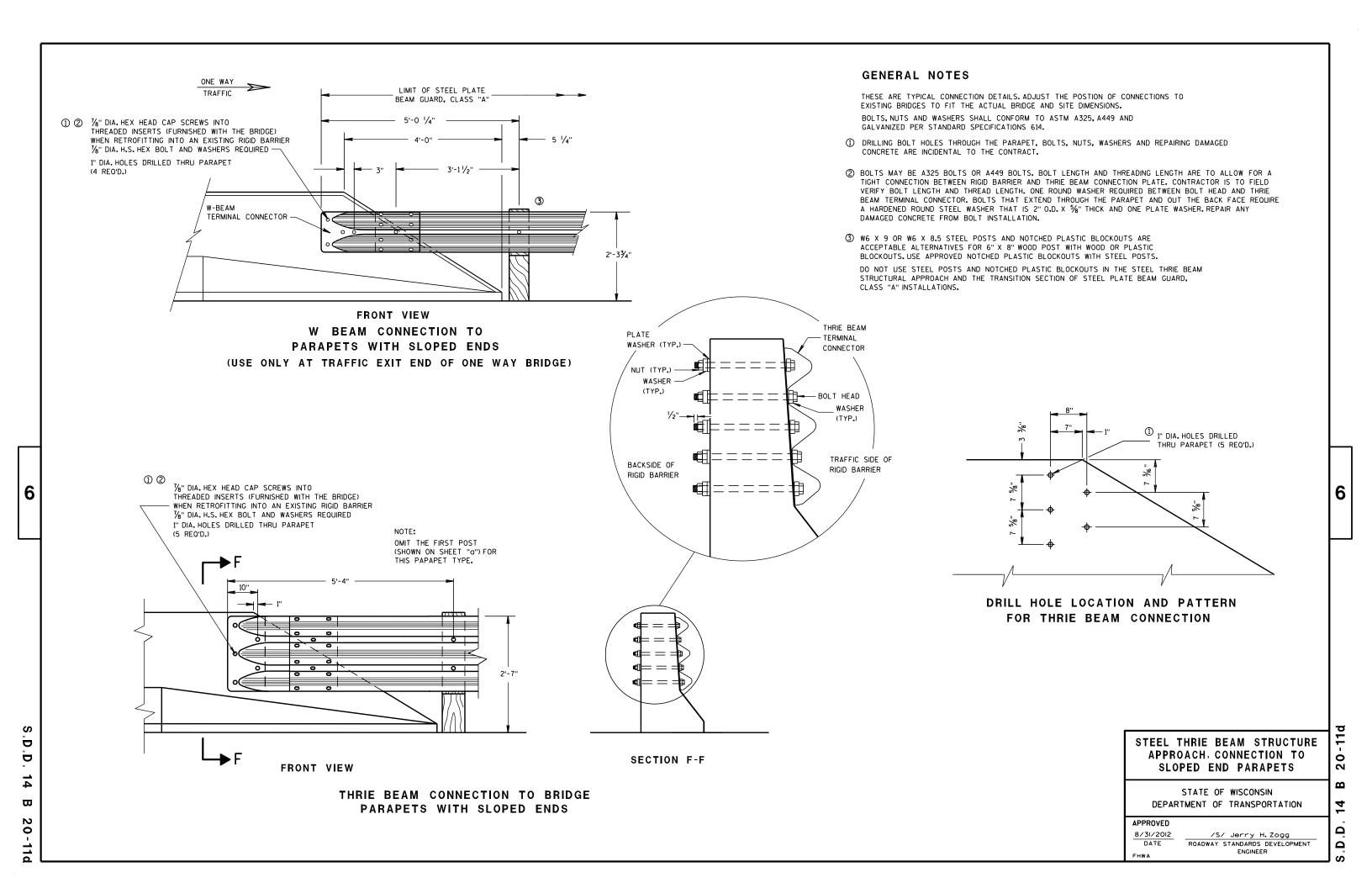
(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.





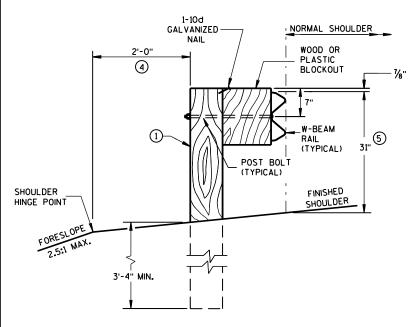






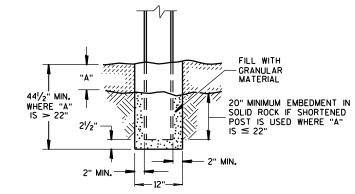
GENERAL NOTES

- (1) WOOD OR STEEL POSTS (W6X9 OR W6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 21/2INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- (4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".

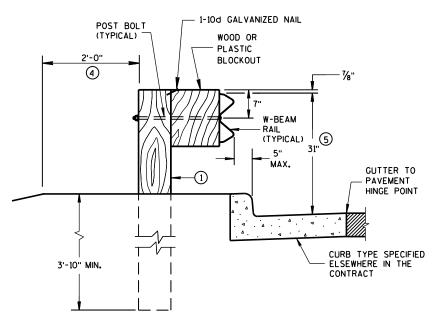


END VIEW

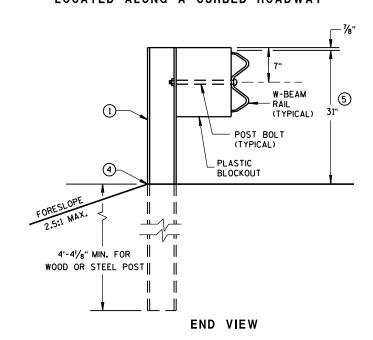
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



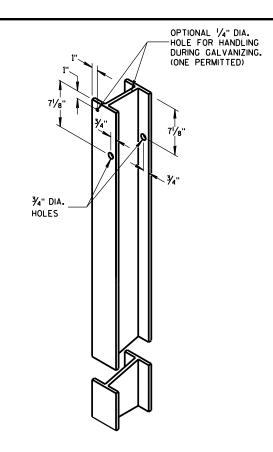
SETTING STEEL OR WOOD POST IN ROCK $^{\scriptsize{\textcircled{3}}}$



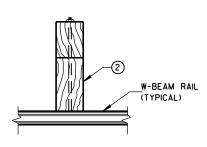
END VIEW
LOCATED ALONG A CURBED ROADWAY



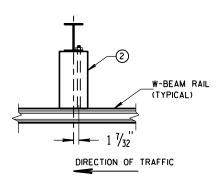
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



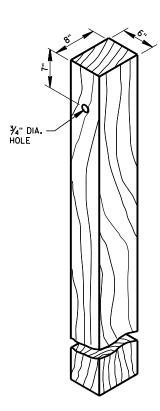
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

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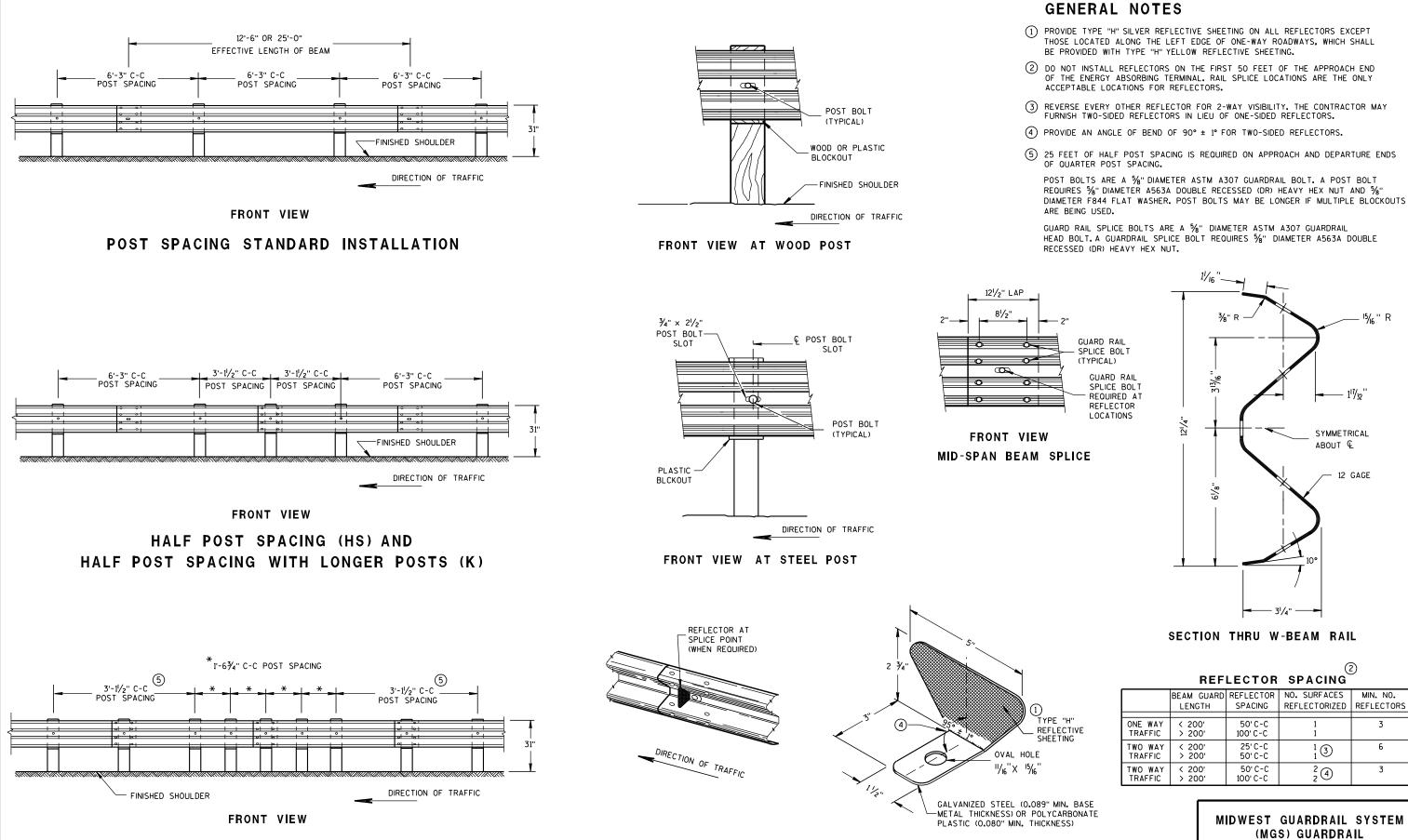
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ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

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QUARTER POST SPACING (QS)

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SYMMETRICAL

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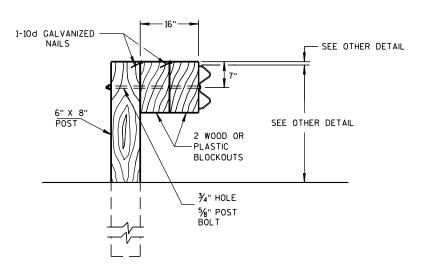
BEAM GUARD REFLECTOR NO. SURFACES MIN. NO.

SPACING | REFLECTORIZED | REFLECTORS 3 6 1 3 2 4 3

> MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

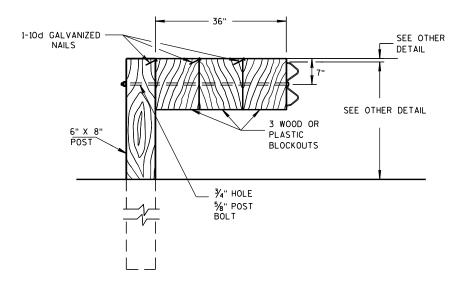
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION Ω Ω

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DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



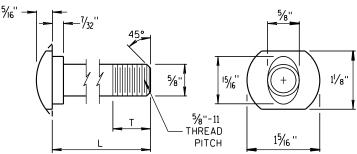
DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

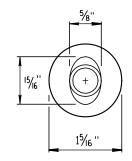
NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16".

2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

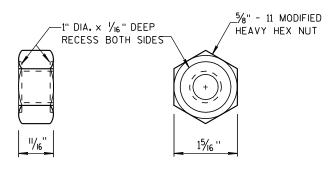


POST BOLT TABLE

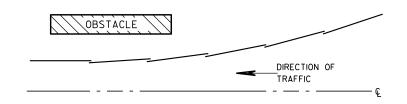
L	T (MIN.)
11/4"	1 1/8"
2"	13/4"
10"	4"
14"	4½ ₆ "
18"	4"
21"	4½ "
25"	4"



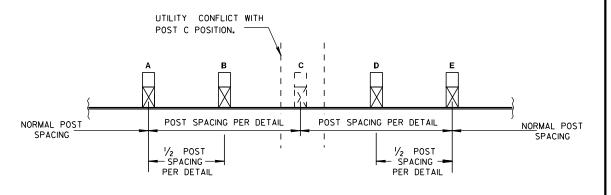
ALTERNATE BOLT HEAD



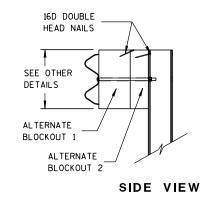
POST BOLT AND RECESS NUT

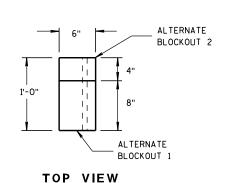


PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

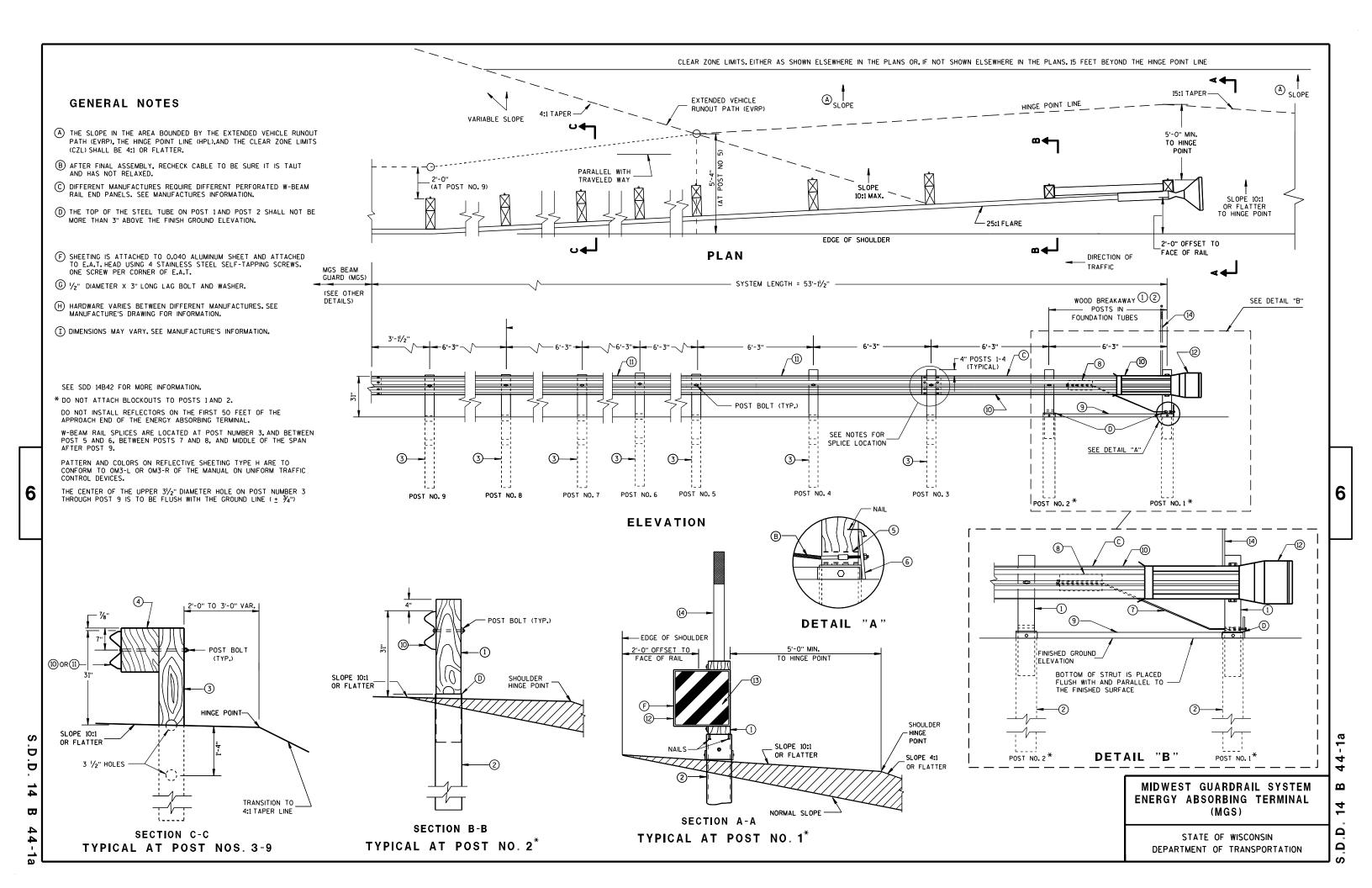
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

II/15/20II /S/ Jerry H. Zogg

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

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GENERIC ANCHOR CABLE BOX

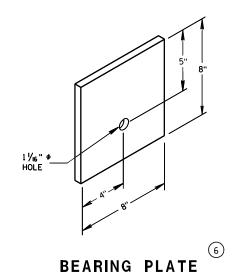
GENERIC GROUND STRUT

9 H

PLAN VIEW

BILL OF MATERIALS

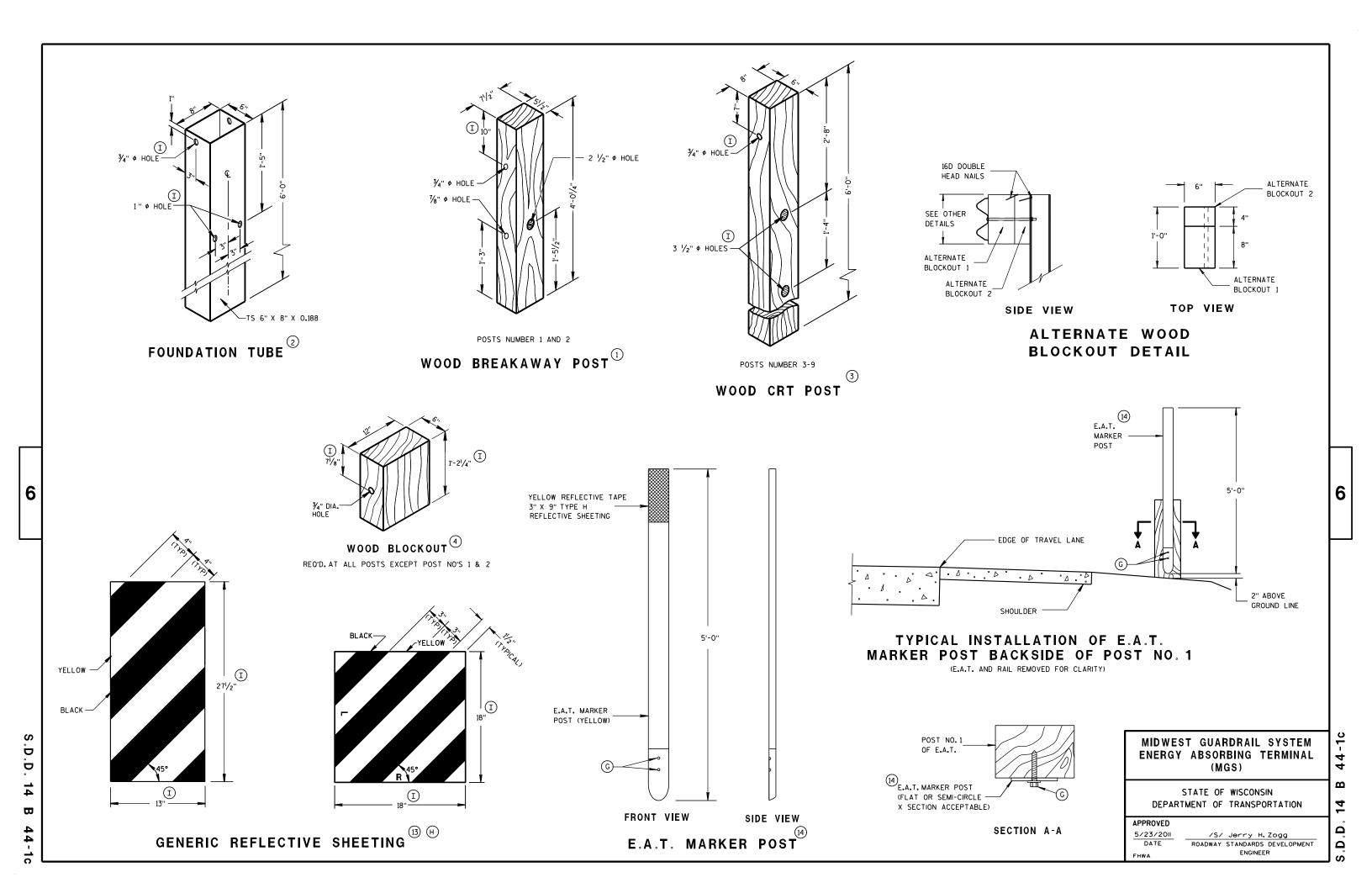
PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.				
1	WOOD BREAKAWAY POST				
@	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1AND 2				
3	WOOD CRT				
4	WOOD BLOCKOUT				
(5)	PIPE SLEEVE				
6	BEARING PLATE				
7	BCT CABLE ASSEMBLY				
8	ANCHOR CABLE BOX				
9	GROUND STRUT				
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.				
(1)	STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.				
12) END SECTION EAT					
13)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE H (ONLY THE SHEETING IS SUPPLIED BY THE MANUFACTURER)				
14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)				

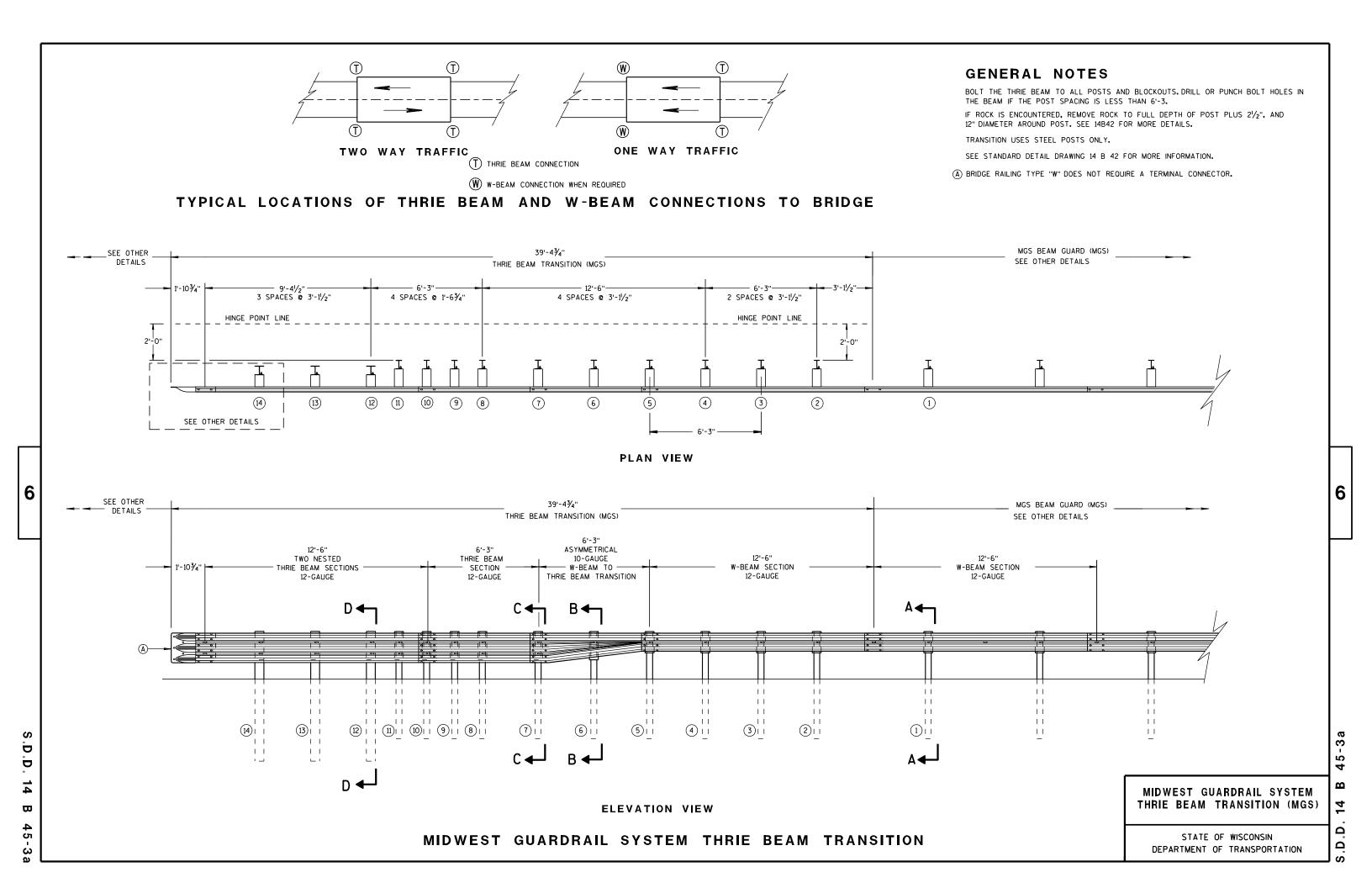


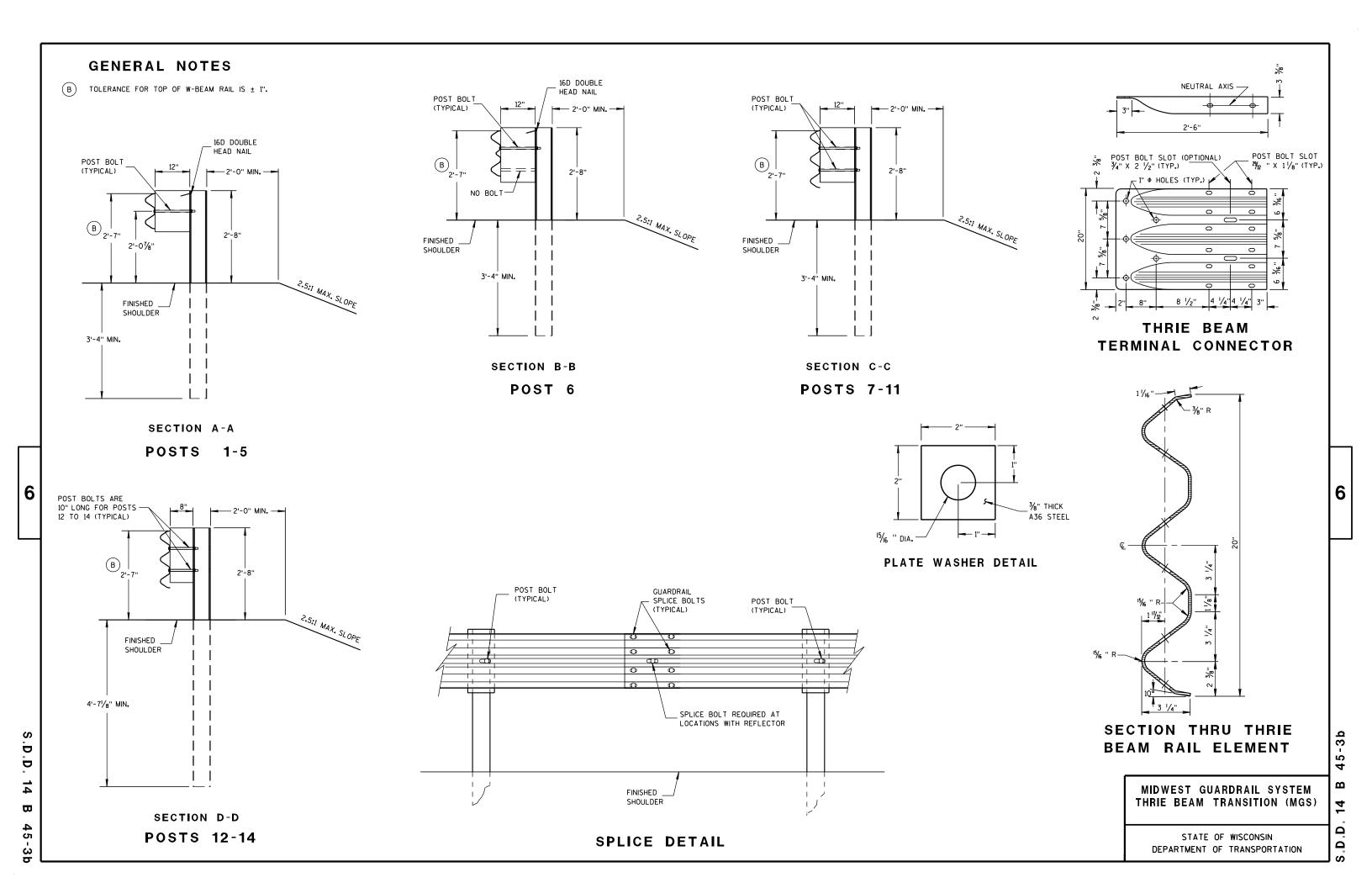
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

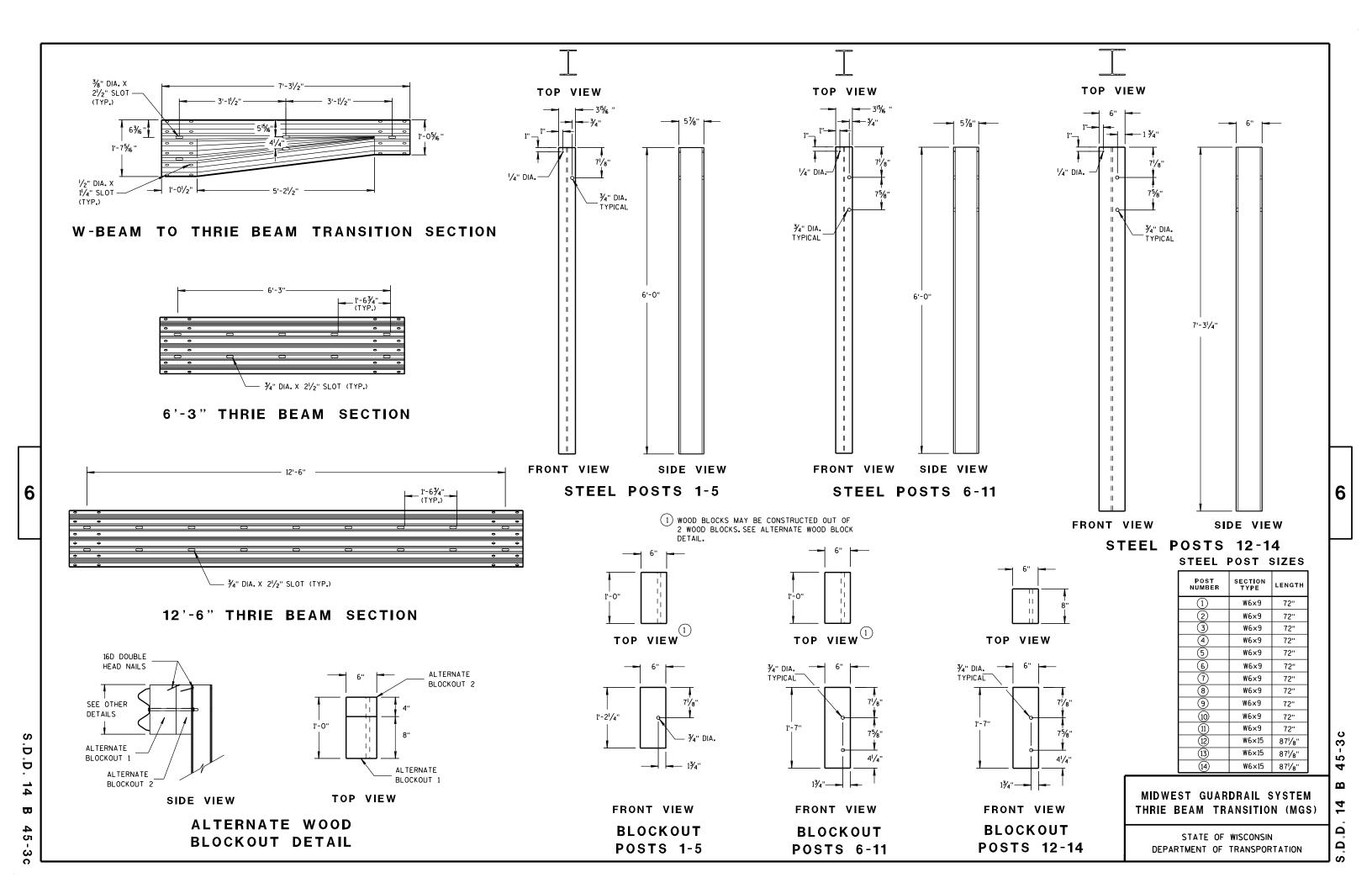
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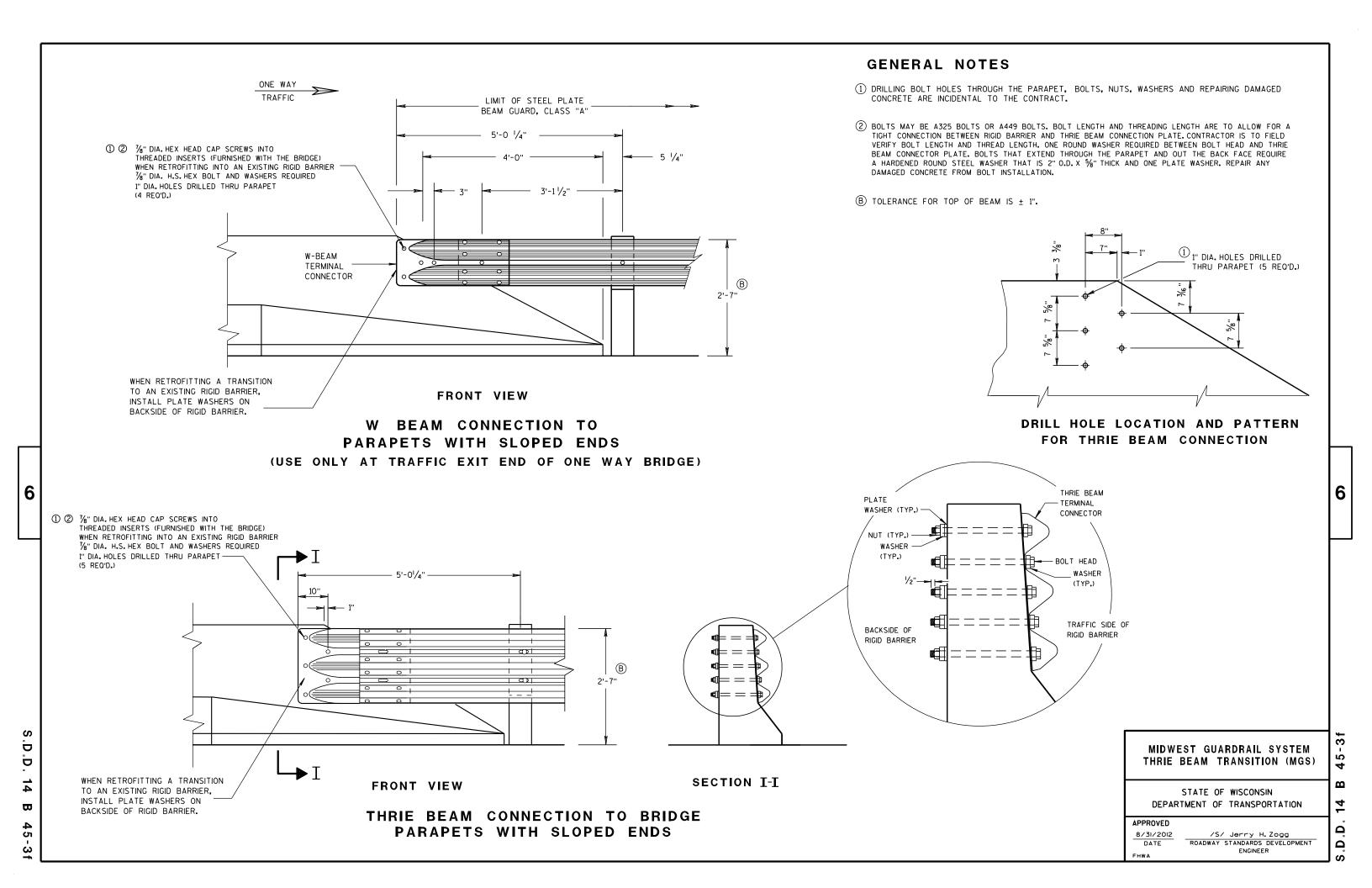
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LEGEND

- POST WITH ATTACHED SIGN
- POST WITH ATTACHED SIGN
- ✓ DRUM WITH WARNING LIGHT (TYPE C)
- DRUM
- → ARROW BOARD
- √ 8' TYPE III BARRICADE
- *- x-* REMOVING PAVEMENT MARKING
- □⇒ DIRECTION OF TRAFFIC

GENERAL NOTES:

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

(1) CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS. THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

GENERAL NOTES CONTINUED:

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 7 CONTINUOUS DAYS AND NIGHTS.

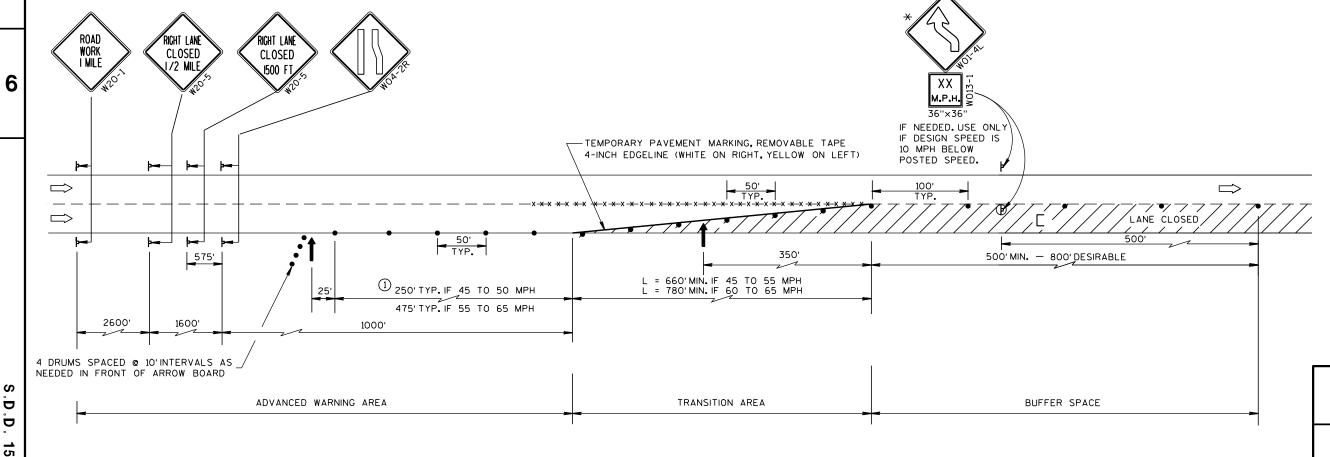
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1/4 MILE ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 8-7-95

DATE

/S/ Chester J. Spang
DIRECTOR, OFFICE OF TRAFFIC

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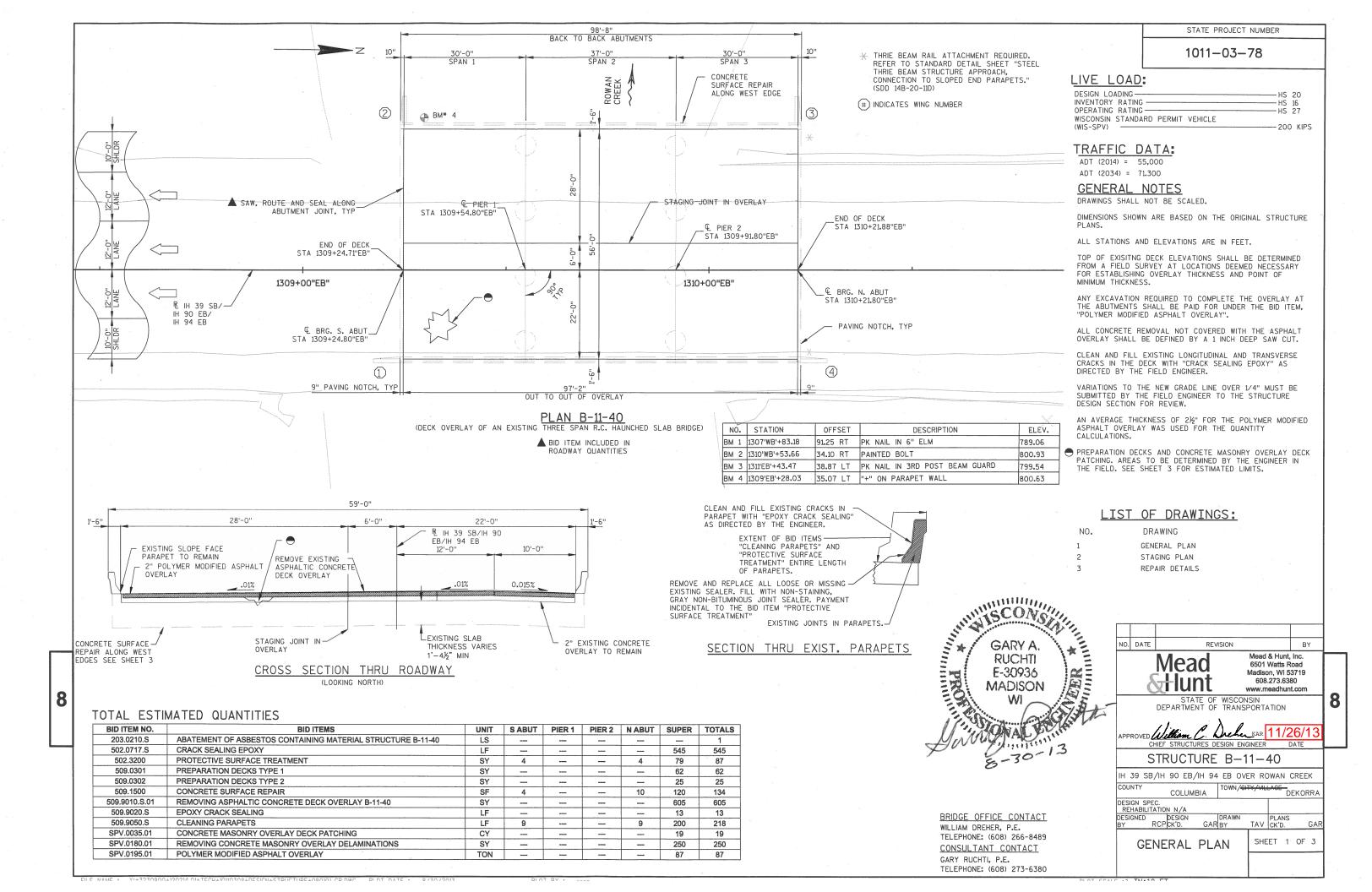
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STATE PROJECT NUMBER

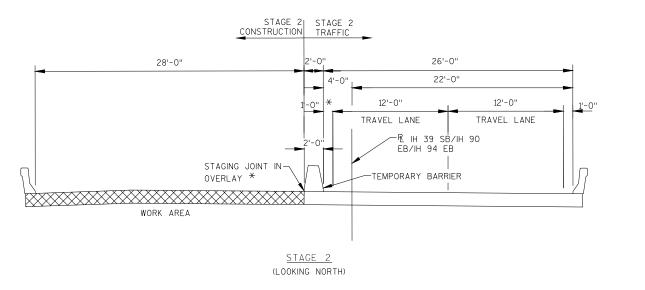
1011-03-78

<u>NOTES</u>

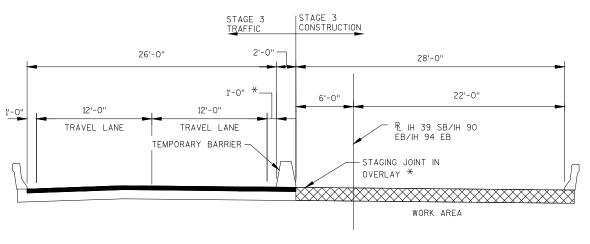
SEE SHEET 1 FOR FINAL CROSS SECTION

SEE "TRAFFIC CONTROL CONSTRUCTION STAGING DETAILS" IN ROAD PLANS.

 $^{ extbf{X}}$ Shoulder width may be temporary reduced for the operation of milling and paving, as directed by the engineer



MEDIAN



MEDIAN

STAGE 3 (LOOKING NORTH)

NO. DATE REVISION BY

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STRUCTURE B-11-40

DRAWN BY TAV CK'D. GAR

STAGING PLAN

SHEET 2 OF 3

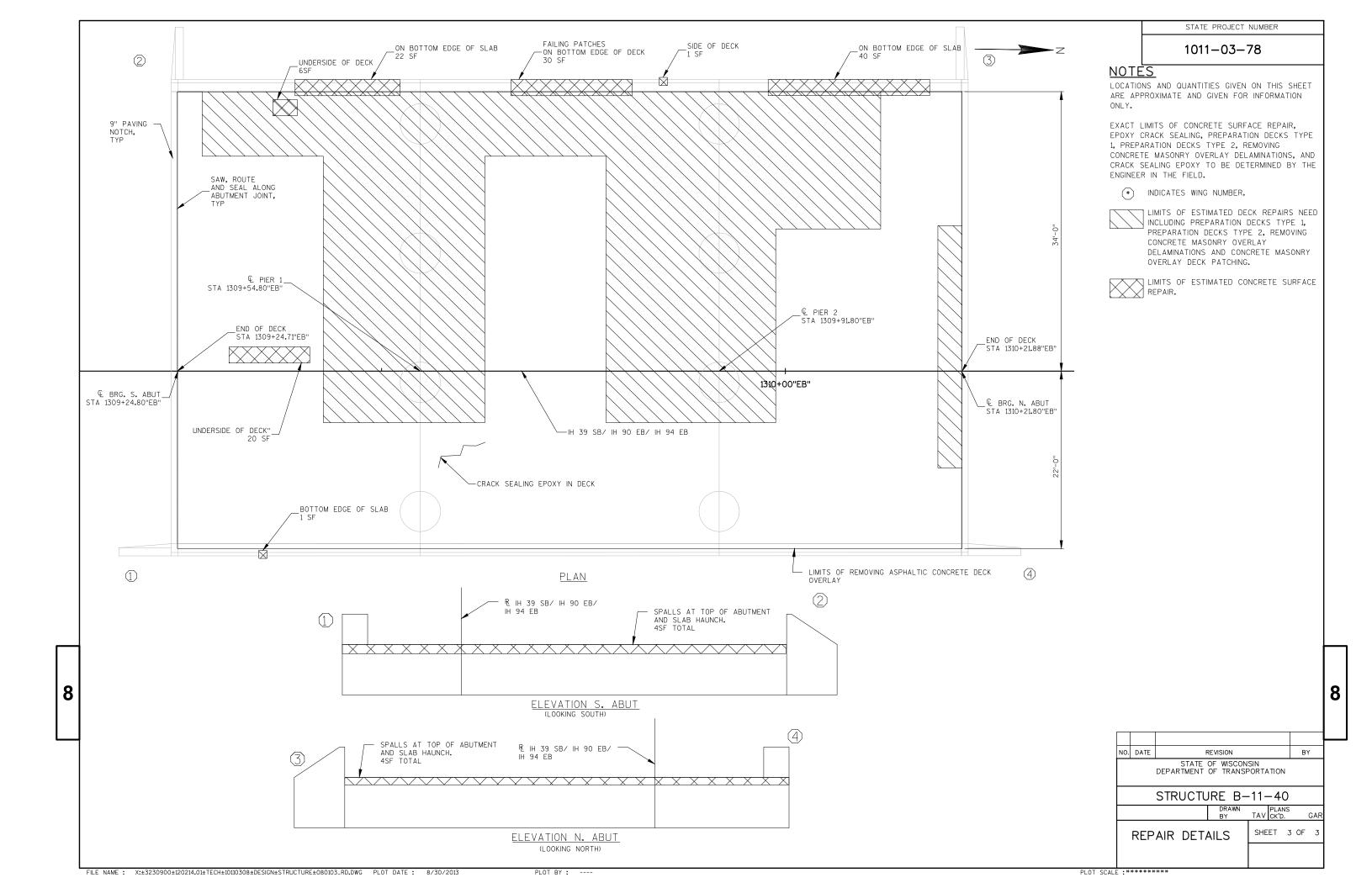
FILE NAME: X:±3230900±120214.01±TECH±10110308±DESIGN±STRUCTURE±080101_GP.DWG PLOT DATE: 8/30/2013

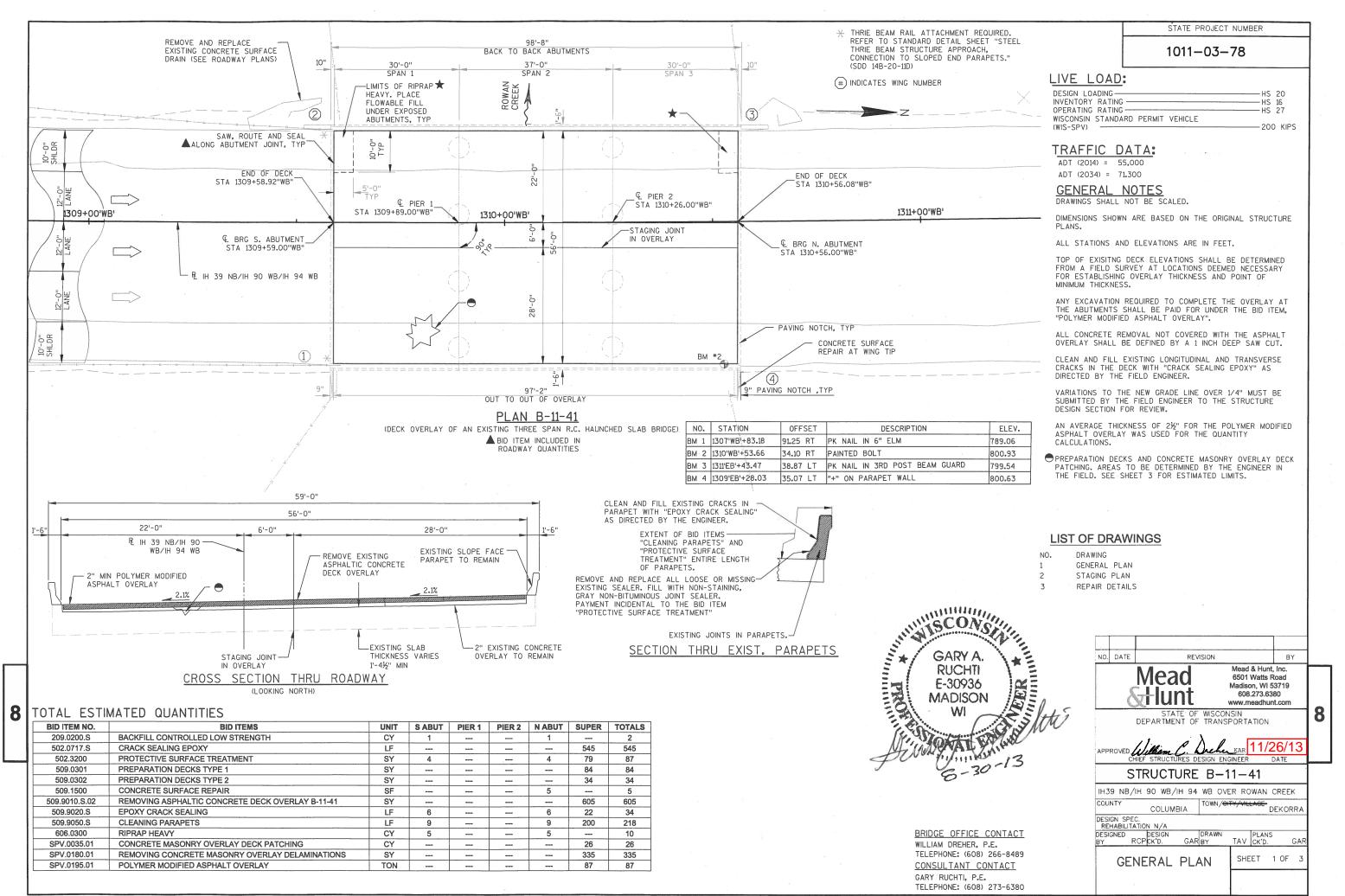
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PLOT BY: ----

PLOT SCALE : 1" = 1'

8





STATE PROJECT NUMBER

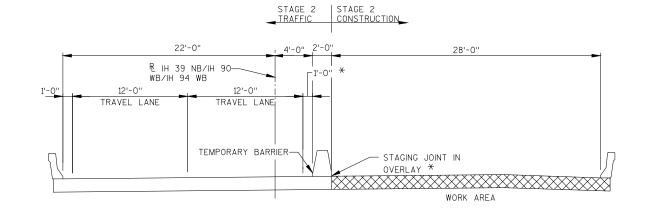
1011-03-78

<u>NOTES</u>

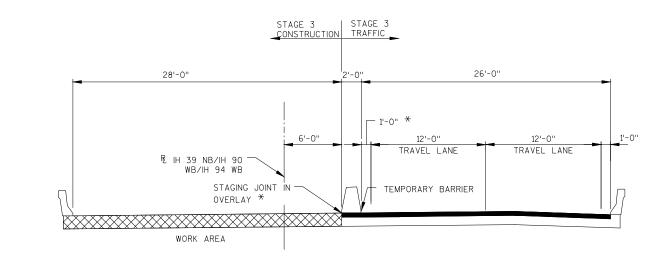
SEE SHEET 1 FOR FINAL CROSS SECTION.

SEE "TRAFFIC CONTROL CONSTRUCTION STAGING DETAILS" IN ROAD PLANS.

* SHOULDER WIDTH MAY BE TEMPORARY REDUCED FOR THE OPERATION OF MILLING AND PAVING, AS DIRECTED BY THE ENGINEER



STAGE 2 (LOOKING NORTH)



STAGE 3 (LOOKING NORTH)

NO.	DATE		REVISION						
				OF WISCON OF TRANSI	ISIN PORTATION				
	STRUCTURE B-11-41								
				DRAWN BY	TAV CK'D.		GAF		
	ST	AGING	Ρl	_AN	SHEET 2	2 OF	3		

FILE NAME: X:±3230900±120214.01±TECH±10110308±DESIGN±STRUCTURE±080201_GP.DWG PLOT DATE: 8/30/2013

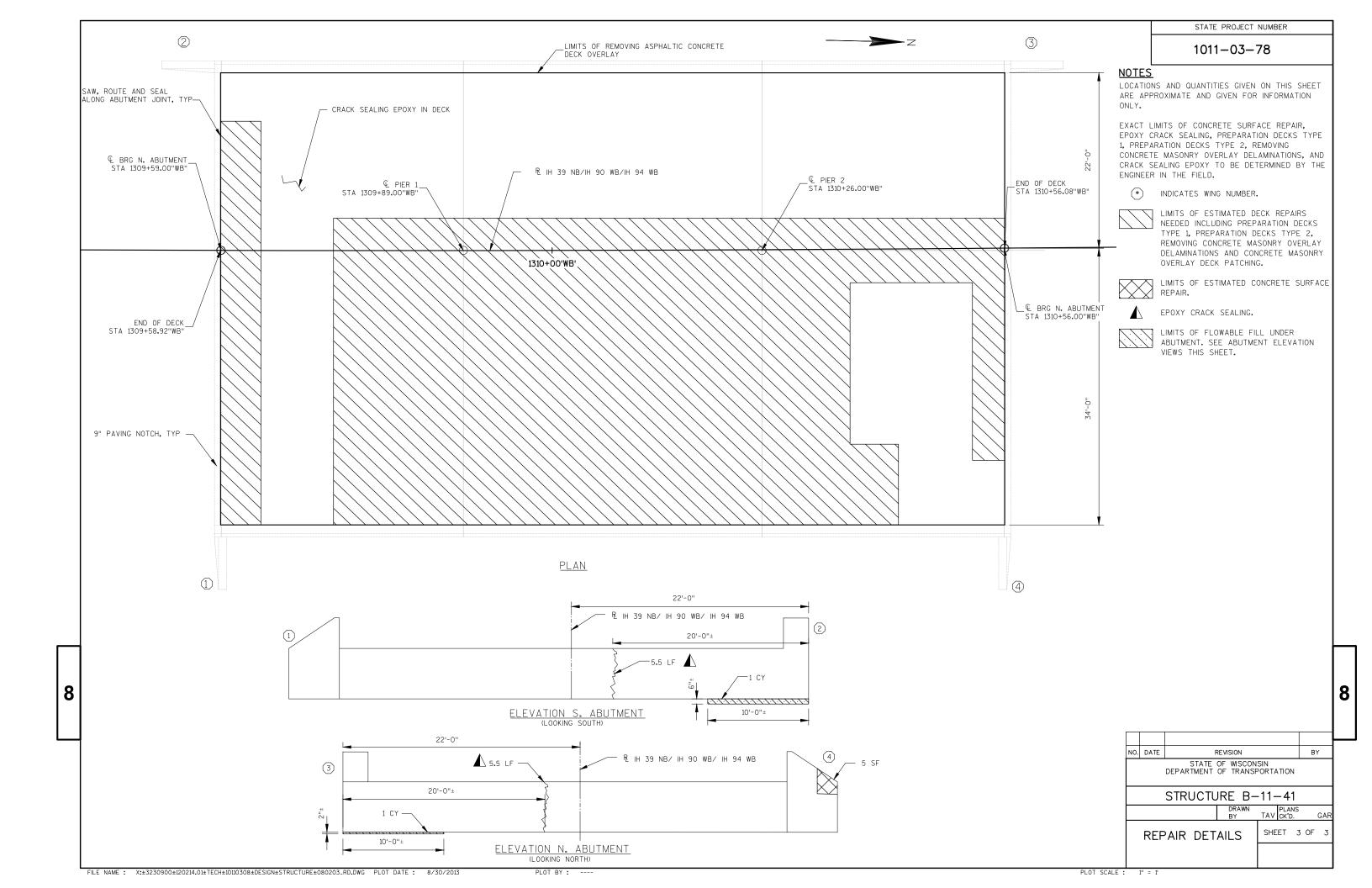
MEDIAN

MEDIAN

8

PLOT BY: ----

PLOT SCALE : 1" = 1



BORROW COMPUTATION (FOR INFORMATIONAL PURPOSES ONLY)								
		BEGIN	END	AVE. END		CUBIC		
STATION		OR END	AREA	AREA	LENGTH	YARDS	SUBTOTAL	REMARKS
1307 +	36	BEGIN	0.0					
				3.0	25.0	2.7	2.7	WB LT
1307 +	11		5.9					
				11.7	25.0	10.8	13.5	WB LT
1306 +	86		17.4					
				15.2	26.0	14.6	28.2	WB LT
1306 +	60		13.0					
				6.5	75.0	18.0	46.2	WB LT
1305 +	85	END	0.0					
		•						
1307 +	44	BEGIN	0.0					
		•		6.8	25.0	6.3	52.5	WBRT
1307 +	19		13.6				<u> </u>	
		<u> </u>		21.7	25.0	20.1	72.6	WBRT
1306 +	94		29.9					
				32.7	25.0	30.3	102.9	WBRT
1306 +	69		35.6					
				17.8	75.0	49.4	152.3	WBRT
1305 +	94	END	0.0					
1312 +	43	BEGIN	0.0				<u> </u>	
				1.2	25.0	1.1	153.4	EB RT
1312 +	68		2.3					
				5.4	26.0	5.2	158.6	EB RT
1312 +	94		8.4					
		L		7.5	25.0	6.9	165.5	EB RT
1313 +	19		6.6		20.0	5.0		
				3.3	75.0	9.1	174.6	EB RT
1313 +	94	END	0.0	5.5	. 5.0	0.1		
.010 F			0.0					
1312 +	37	BEGIN	0.0				<u> </u>	
1012 7	01	DEGIN	0.0	1.3	25.0	1.2	175.9	EB LT
1312 +	62	T	2.7	1.5	20.0	1.2	175.5	LDLI
1012 +	UL	l	2.1	7.5	25.0	6.9	182.8	EB LT
1312 +	87	1	12.3	7.5	20.0	0.9	102.0	LDLI
1312 +	01		12.3	10.4	25.0	9.6	192.4	EB LT
1212 .	12	I	8.4	10.4	25.0	9.0	192.4	EDLI
1313 +	12		0.4	4.2	100.0	15.6	208.0	EB LT
121/	12	END	0.0	4.2	100.0	0.61	208.0	EDLI
1314 +	12	LIND	0.0			TOTAL:	207.96	
						TOTAL:	207.96	

NOTE: BORROW IS NOT PAID FOR SEPARATELY BUT IS INCLUDED UNDER THE ITEM OF BARRIER SYSTEM GRADING SHAPING FINISHING.

PROJECT NO: 1011-03-78

HWY: 39/90/94

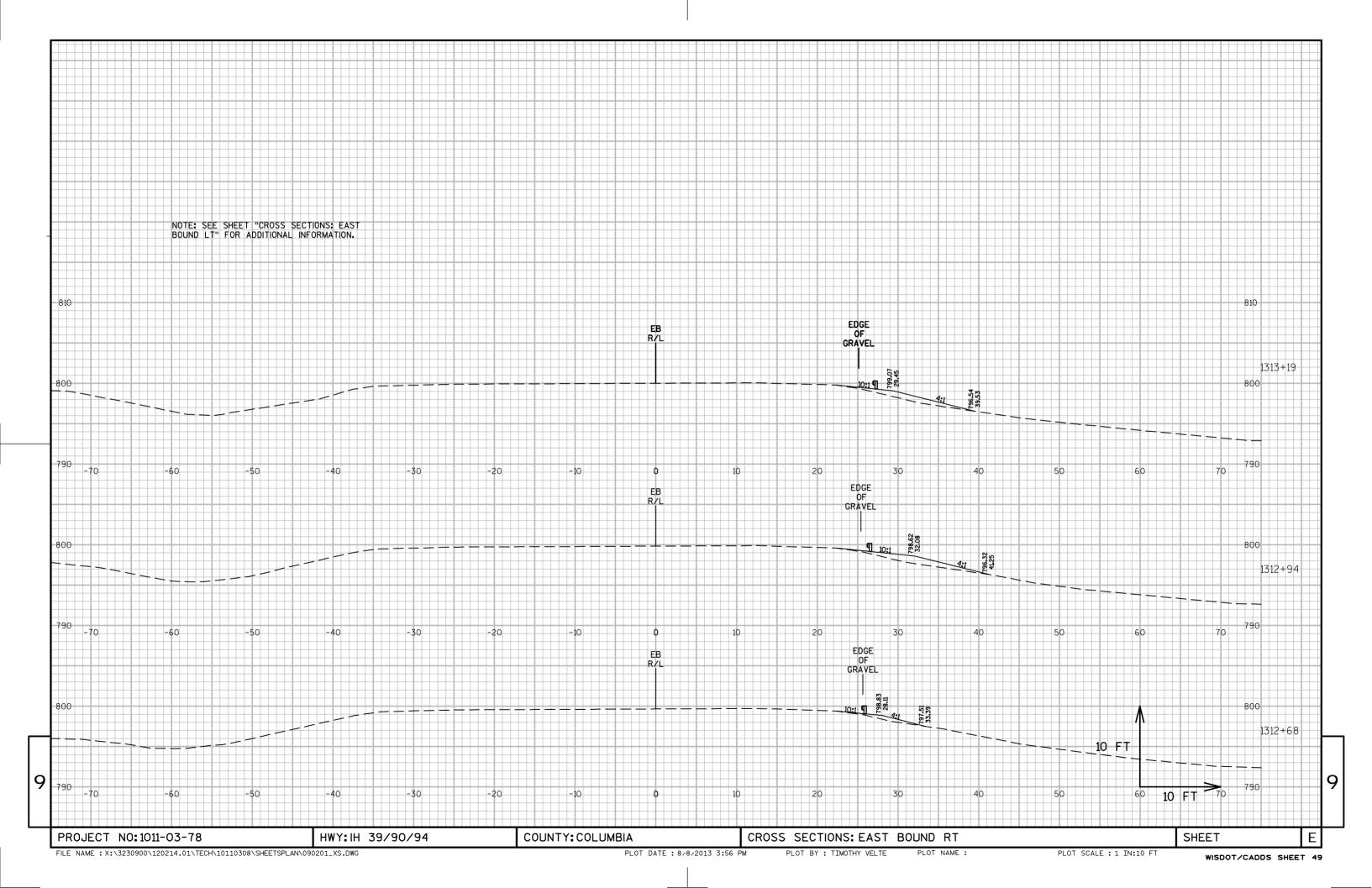
COUNTY: COLUMBIA

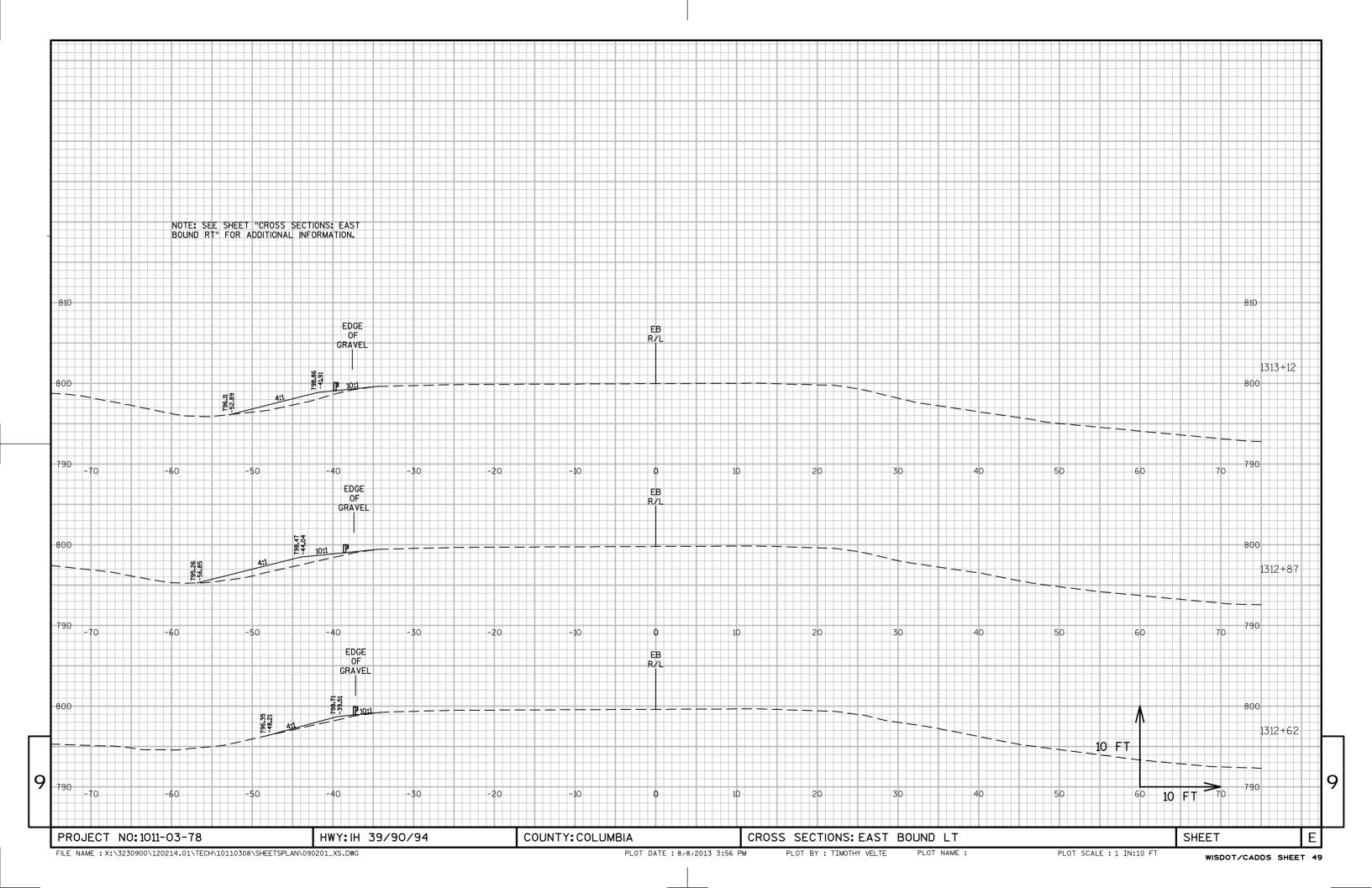
EARTHWORK

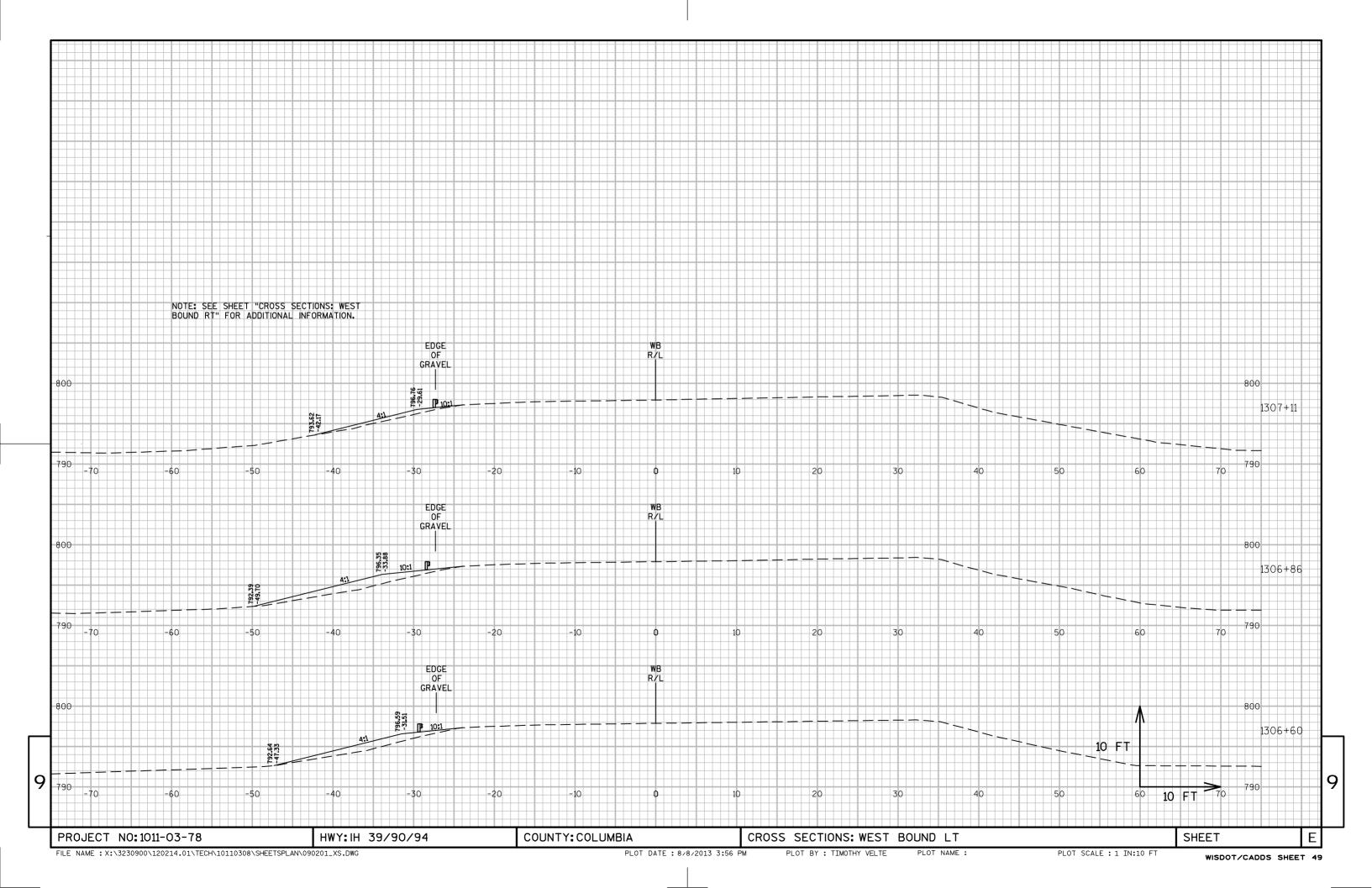
SHEET

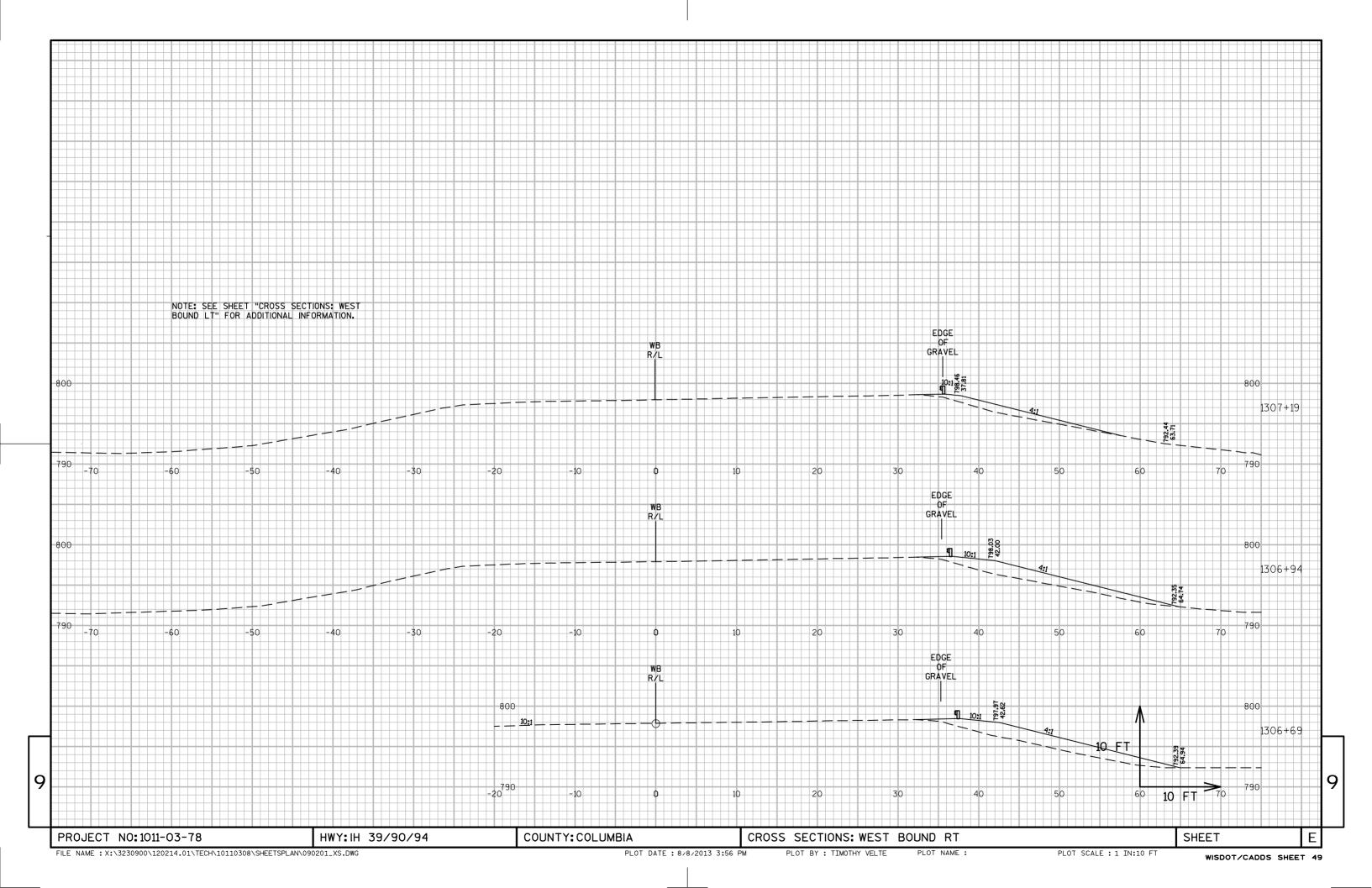
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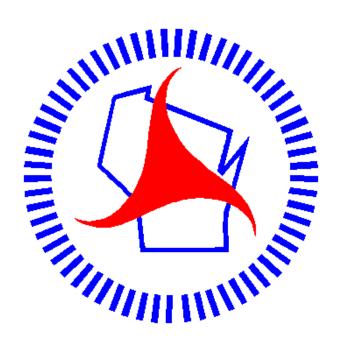
FILE NAME: PLOT DATE: 10/10/2013 10:11 AM PLOT NAME: PLOT SCALE: 100.0:1.0











Wisconsin Department of Transportation

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