о С

SEPTEMBER 2013

ORDER OF SHEETS

Section No. 1 Typical Sections and Details Section No. 2 Estimate of Quantitles Miscellaneous Quantities

Right of Way Plat Section No. 5 Plan and Profile

Section No. 6 Standard Detail Drawings Section No. 7 Sign Plates

TOTAL SHEETS = 70

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

EAU CLAIRE - OSSEO

(USH 53 TO MALLARD ROAD)

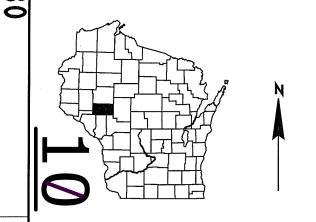
IH 94

EAU CLAIRE COUNTY

STATE PROJECT NUMBER 1022-09-80

XIT AG FXIT 7029

Eau Claire



DESIGN DESIGNATION

A.A.D.T. A.A.D.T. D.H.V.

= 24,800 (2014) = 29,500 (2034) = 2.980

1//////

= 58/42 D.D. = 25.3% OF A.A.D.T.

DESIGN SPEED = 70 MPH = 26.000.000 ESALS

CONVENTIONAL SYMBOLS

PLAN CORPORATE LIMITS PROPERTY LINE

LOT LINE

LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS

SWAMP AREA

WOODED OR SHRUB AREA

PROFILE GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

STORM SEWER TELEPHONE

POWER POLE

WATER

LABEL _ ø

ROCK .

T-26-N

Brackett PLEASANT Cleghorn HHVALLEY ^OAllen V HHKK HH Foster R-9-W R-8-W LAYOUT SCALE L

53

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

END PROJECT 1022-09-80

STA. 985 'E'+75

BEGIN PROJECT 1022-09-80

STA. 604'E'+00

FEDERAL PROJECT

PROJECT

WISC 2013425

STATE PROJECT

1022-09-80

12

LINCOLN

KK

AF

NW REGION, EAU CLAIRE K. KOPACZ Project Manager Regional Examiner Regional Supervisor C.O. Examiner

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), EAU CLAIRE COUNTY.

PLOT NAME :

FILE NAME: n:\PDS\Projects-LET\1022-00-36\Miso\010101_ti.dgn

PLOT DATE: 10-JAN-2012 07:41

TOTAL NET LENGTH OF CENTERLINE = 7.230 MI.

PLOT BY : dotkyk

WASHINGTON

PLOT SCALE : 20000:1

UTILITIES CONTACTS

AT&T LEGACY MR. BILL KOENIG

P.O. BOX 244

LAKE MILLS. WI 53551 PHONE: 608-628-0575

CENTURYLINK

MS. DONNA SMOTHERS 835 RED IRON RD. BLACK RIVER FALLS, WI 54615 PHONE: 715-284-4375

DAIRYLAND POWER COOPERATIVE MR. KURT CHILDS 3200 EAST AVE. SOUTH P.O. BOX 817 LACROSSE, WI 54602-0817 PHONE: 608-787-1367

EAU CLAIRE ELECTRIC COOPERATIVE MR. RICHARD RASMUSSEN 8214 HWY. 12 P.O. BOX 368

FALL CREEK, WI 54742-0368 PHONE: 715-832-1603

WINDSTREAM KDL, INC. MR. JIM KOSTUCH 13935 BISHOPS DR. BROOKFIELD, WI 53005 PHONE: 262-792-7938

XCEL ENERGY (TRANS.) MS. PAM TAYLOR 1414 W. HAMILTON AVE. P.O. BOX 8 EAU CLAIRE. WI 54702-0008 PHONE: 715-839-1306



Call 811 3 Work Days Before You Dig or Toll Free (800) 242-8511 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

THE EXACT LOCATIONS OF BUTT JOINTS AND CONCRETE PAVEMENT REPAIR NON DOWELED SPECIAL ARE TO BE DETERMINED BY THE ENGINEER.

BEAM GUARD RAIL HEIGHT AT LEAST 27 1/4 INCHES AND LESS THAN 29 INCHES IN THE FINAL CONDITION DOES NOT REQUIRE ADJUSTMENT.

THE EXACT LOCATIONS OF BEAM GUARD ADJUSTMENTS AND REPLACEMENTS ARE TO BE DETERMINED BY THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

WITH PRIOR APPROVAL OF THE ENGINEER, REMOVE/CLEAR TREES 3 INCHES OR GREATER IN DIAMETER THAT ARE WITHIN 30 FEET OF THE EDGE OF THE TRAVELED WAY.

THE LOCATIONS OF EXISTING & PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE COUNTY SURVEYOR CONCERNING MONUMENT AND PROPERTY CORNER PRESERVATION.

TYPICAL FINISHED SECTIONS SHOW THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. SLOPES AND DISTANCES MAY VARY WITHIN THE STATION LIMITS.

WHEN THE QUANTITY OF THE ITEM OF HMA PAVEMENT IS MEASURED BY THE TON, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

LOCATIONS FOR PERMANENT SIGNS SHOWN ON THE PLAN ARE APPROXIMATE. ACTUAL LOCATIONS OF PERMANENT SIGNS ARE TO BE COORDINATED IN THE FIELD BY THE ENGINEER.

PAVEMENT MARKING PAINT FOR LANE LINES ARE INTENDED TO BE INTERIM LANE LINE MARKINGS UNTIL GROOVES CAN BE CUT IN THE NEW ASPHALT SURFACE FOR WET REFLECTIVE TAPE APPLICATION. CUT THE GROOVES FOR WET REFLECTIVE TAPE APPLICATION AT THE SAME LOCATION WHERE THE PAVEMENT MARKING PAINT WAS APPLIED AS LANE LINES.

THE $4\frac{1}{2}$ " HMA PAVEMENT SHALL BE PLACED WITH A $2\frac{1}{2}$ " 19.0 mm TYPE E-10 LOWER LAYER AND A 2" TYPE SMA-SPECIAL UPPER LAYER.

MAINTENACE AND REPAIR OF TEMPORAY WEDGE JOINT WILL BE INCIDENTAL TO THE APPROPRIATE HMA PAVEMENT BID ITEM.

TRAFFIC CONTROL NEEDED DURING MAINTENACE AND REPAIRS TEMPORAY WEDGE JOINT WILL BE INCIDENTAL TO THE TRAFFIC CONTROL PROJECT BID ITEM.

PROJECT NO: 1022-09-80

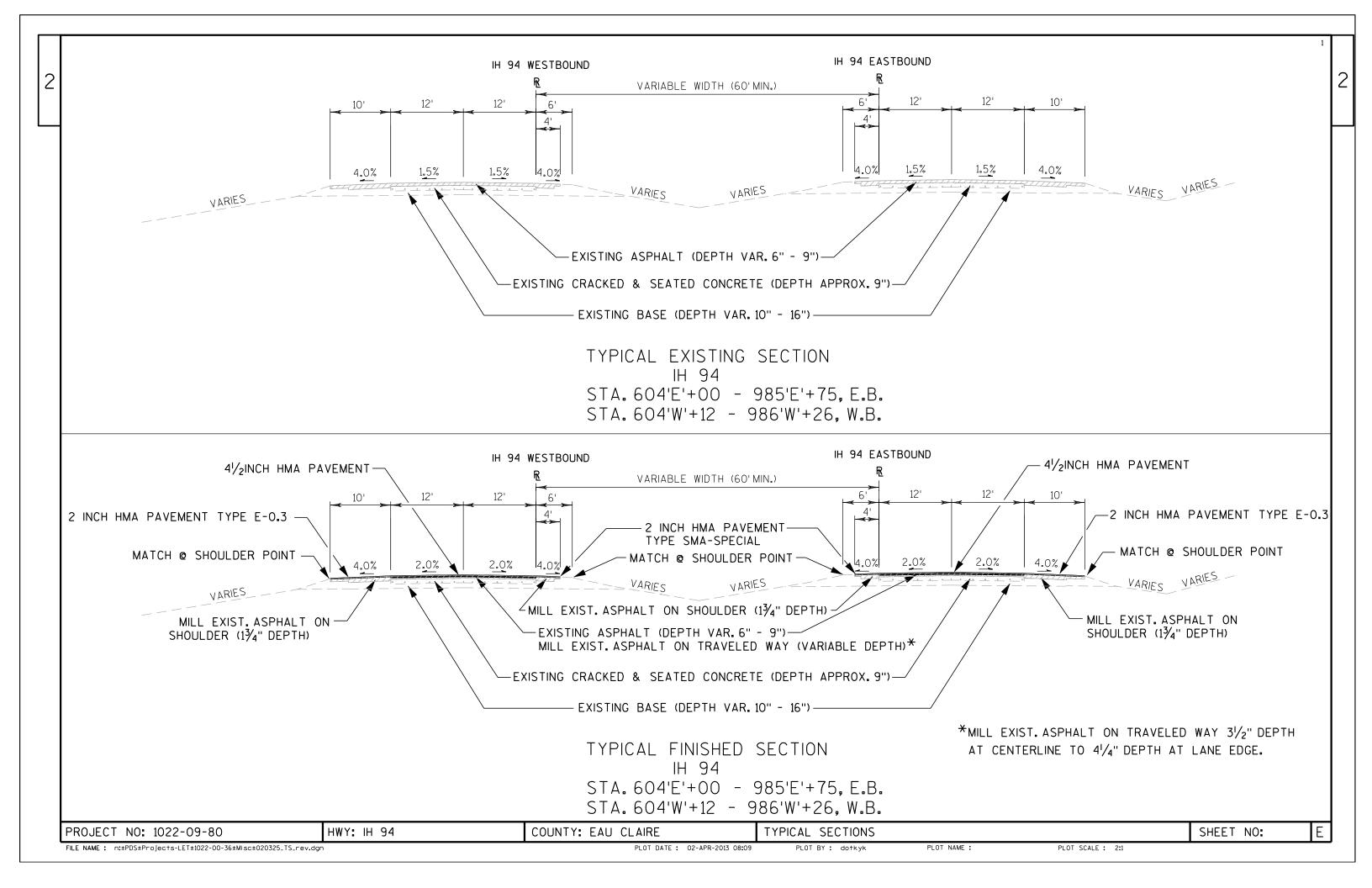
HWY: IH 94

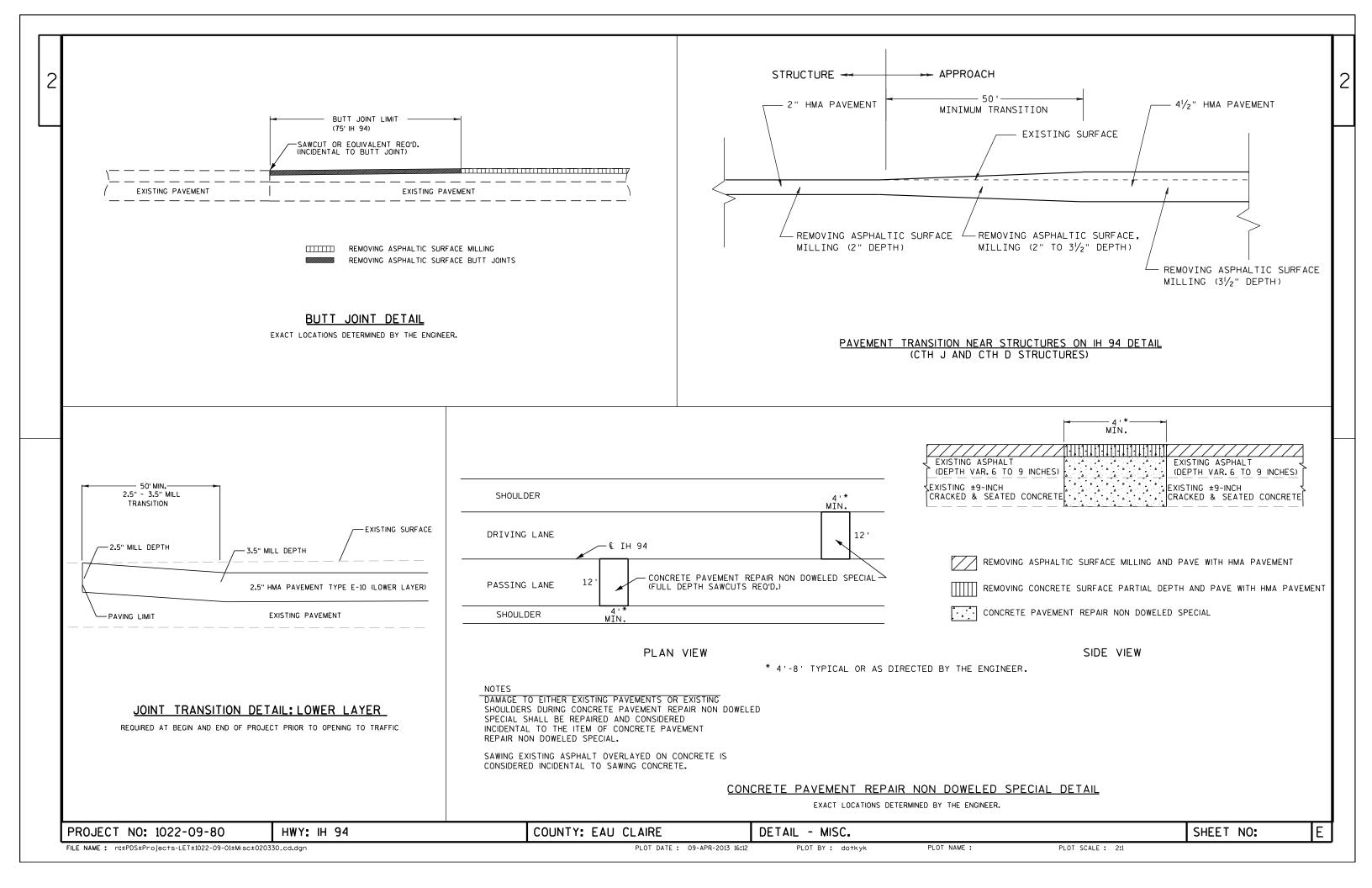
COUNTY: EAU CLAIRE

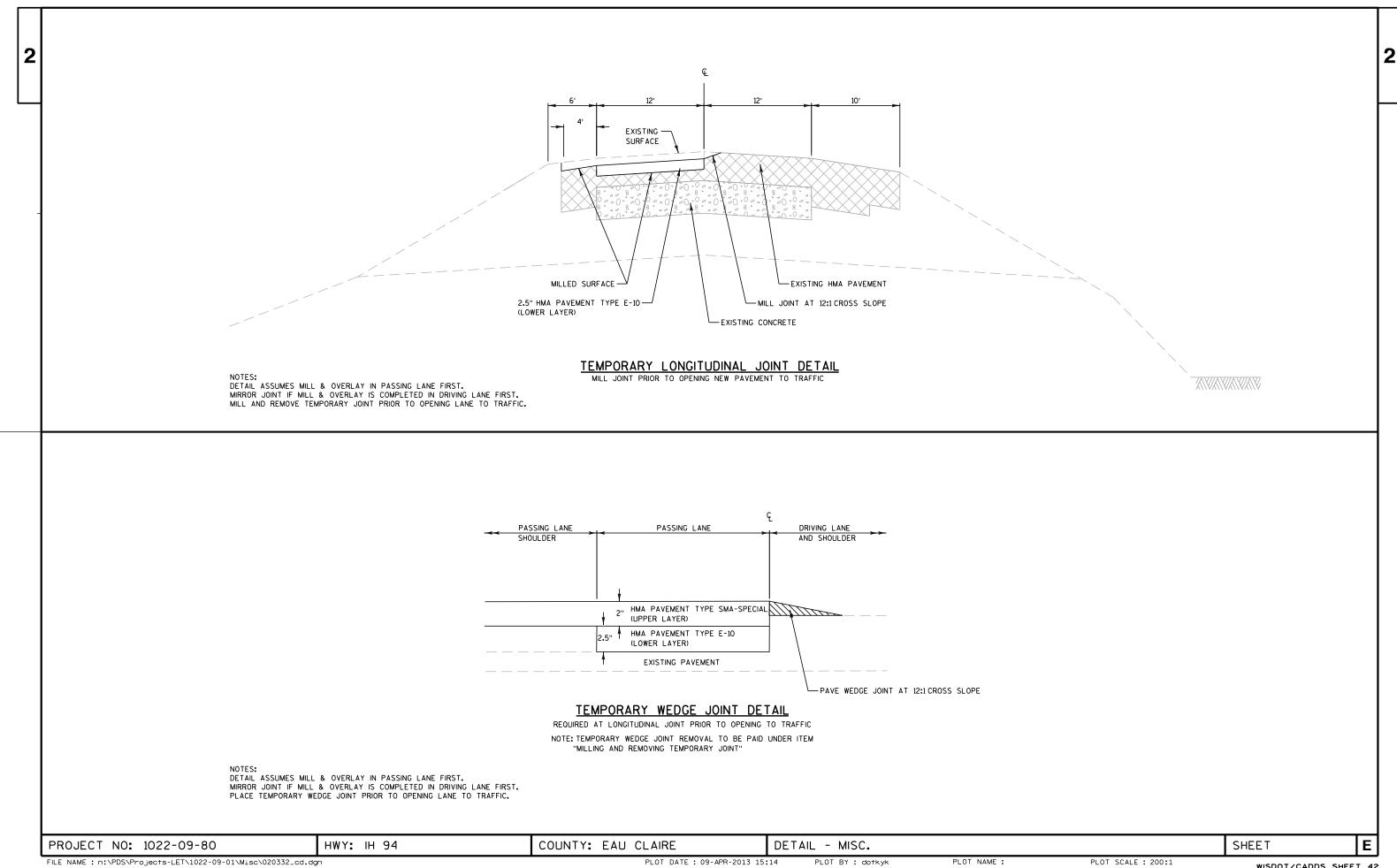
GENERAL NOTES / UTILITIES

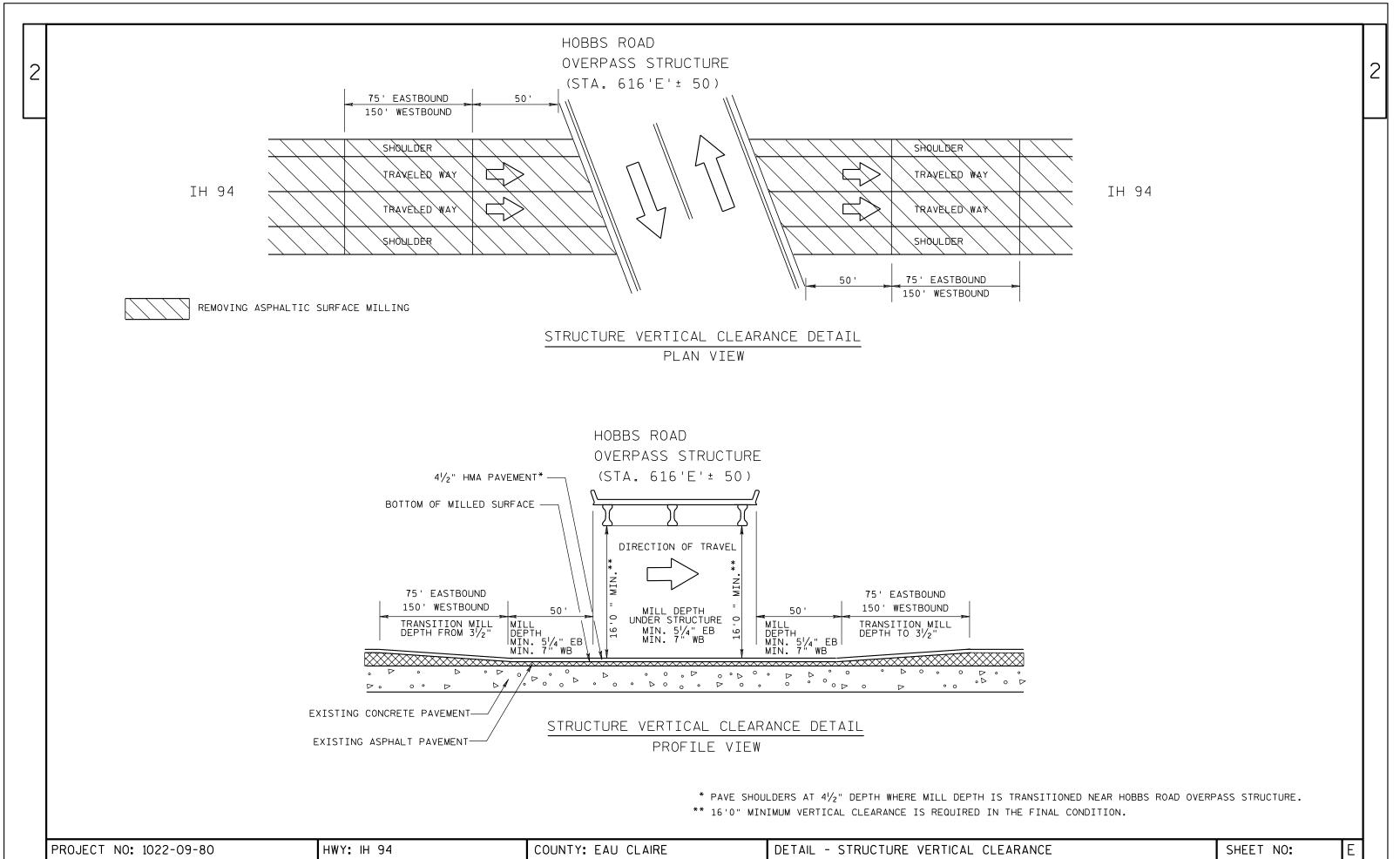
PLOT NAME :

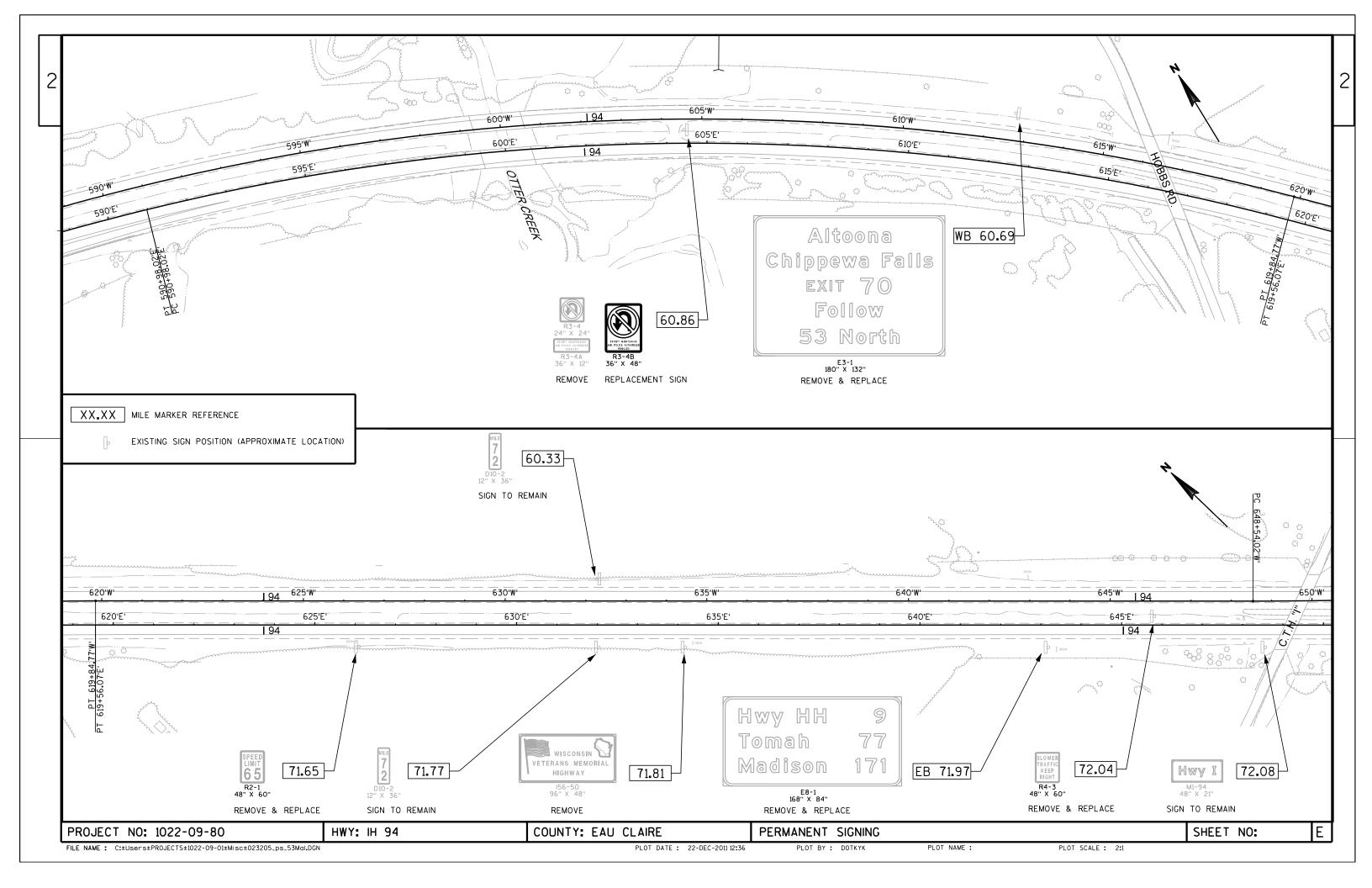
SHEET

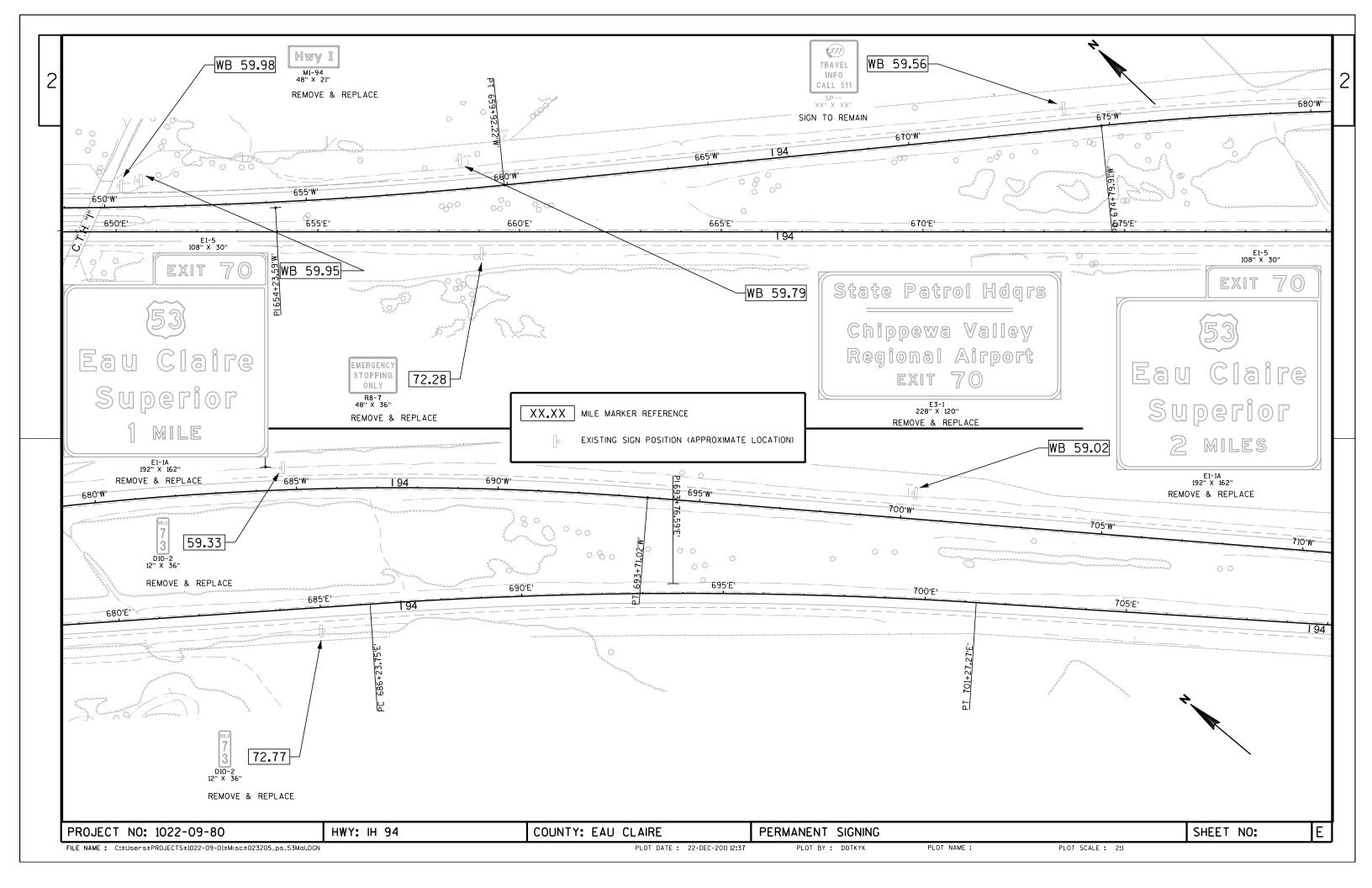


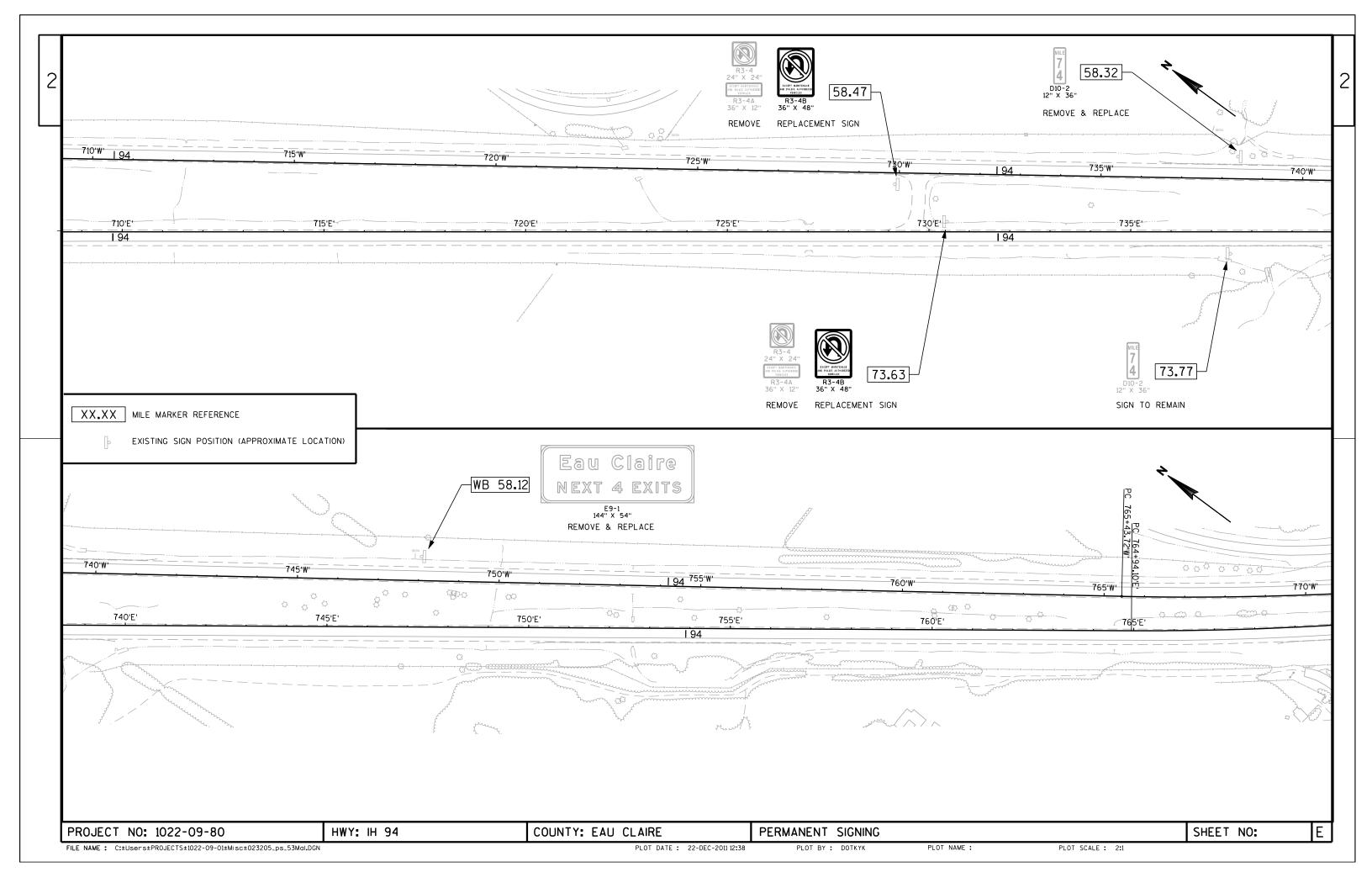


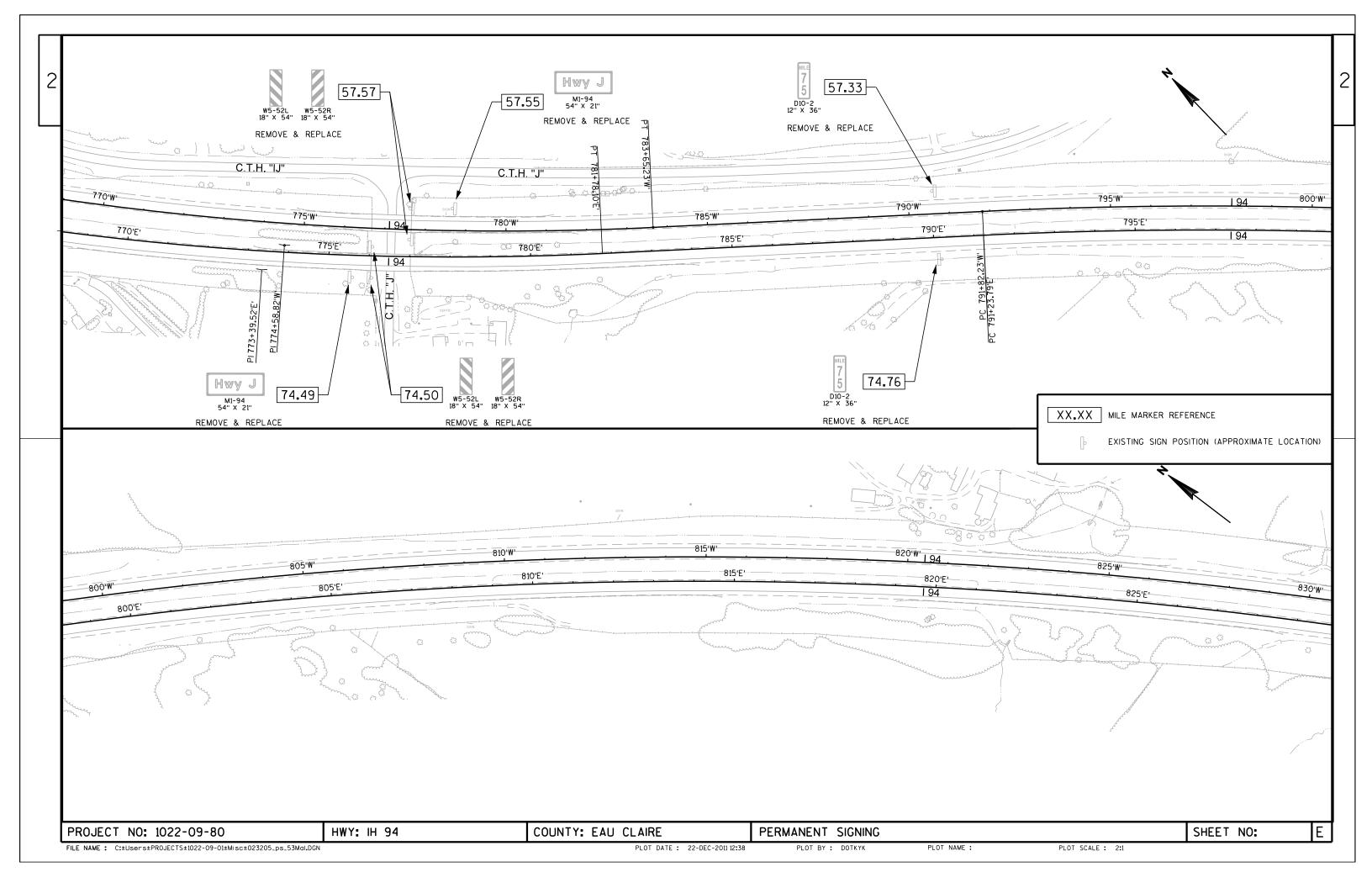


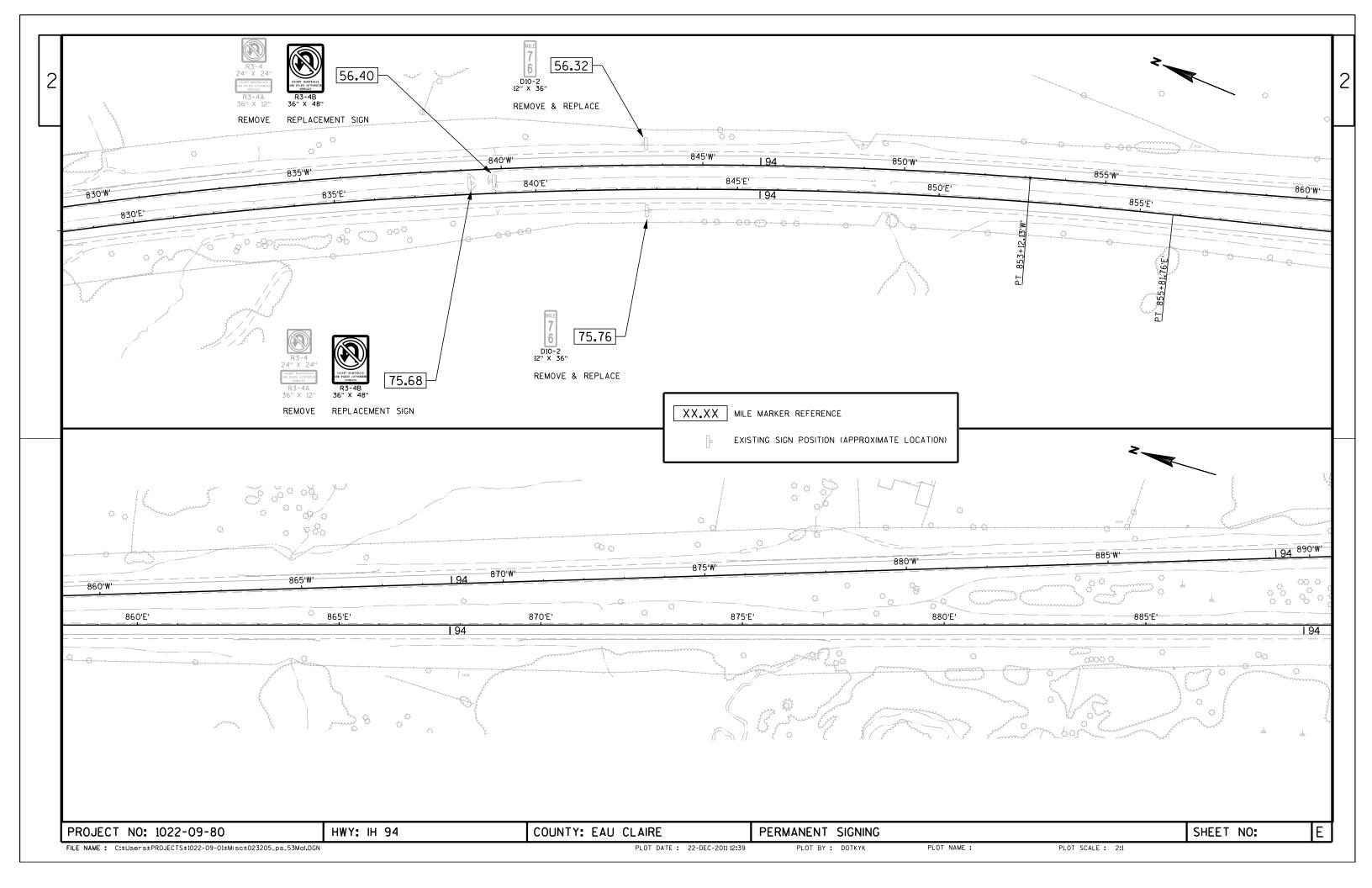


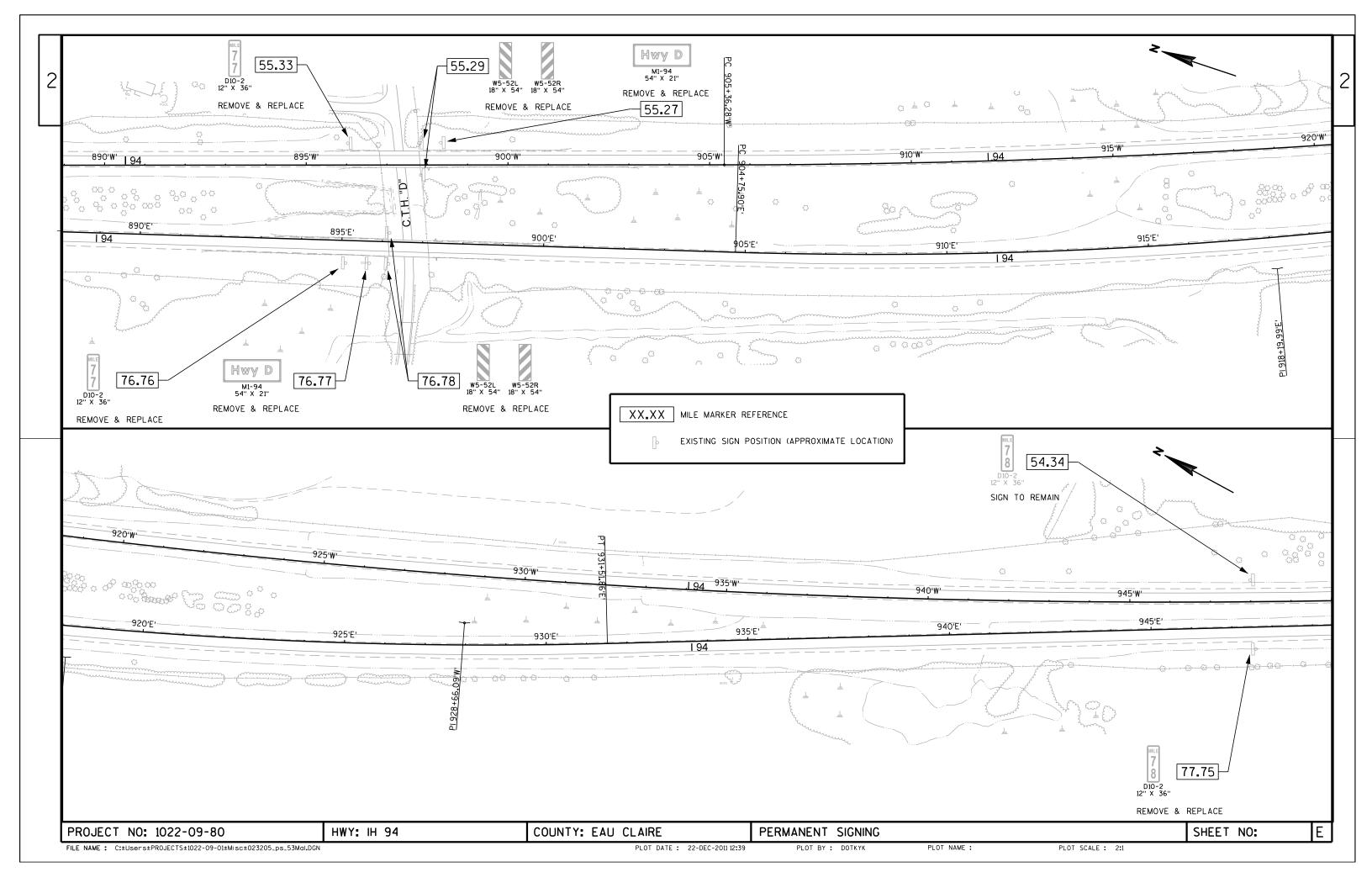


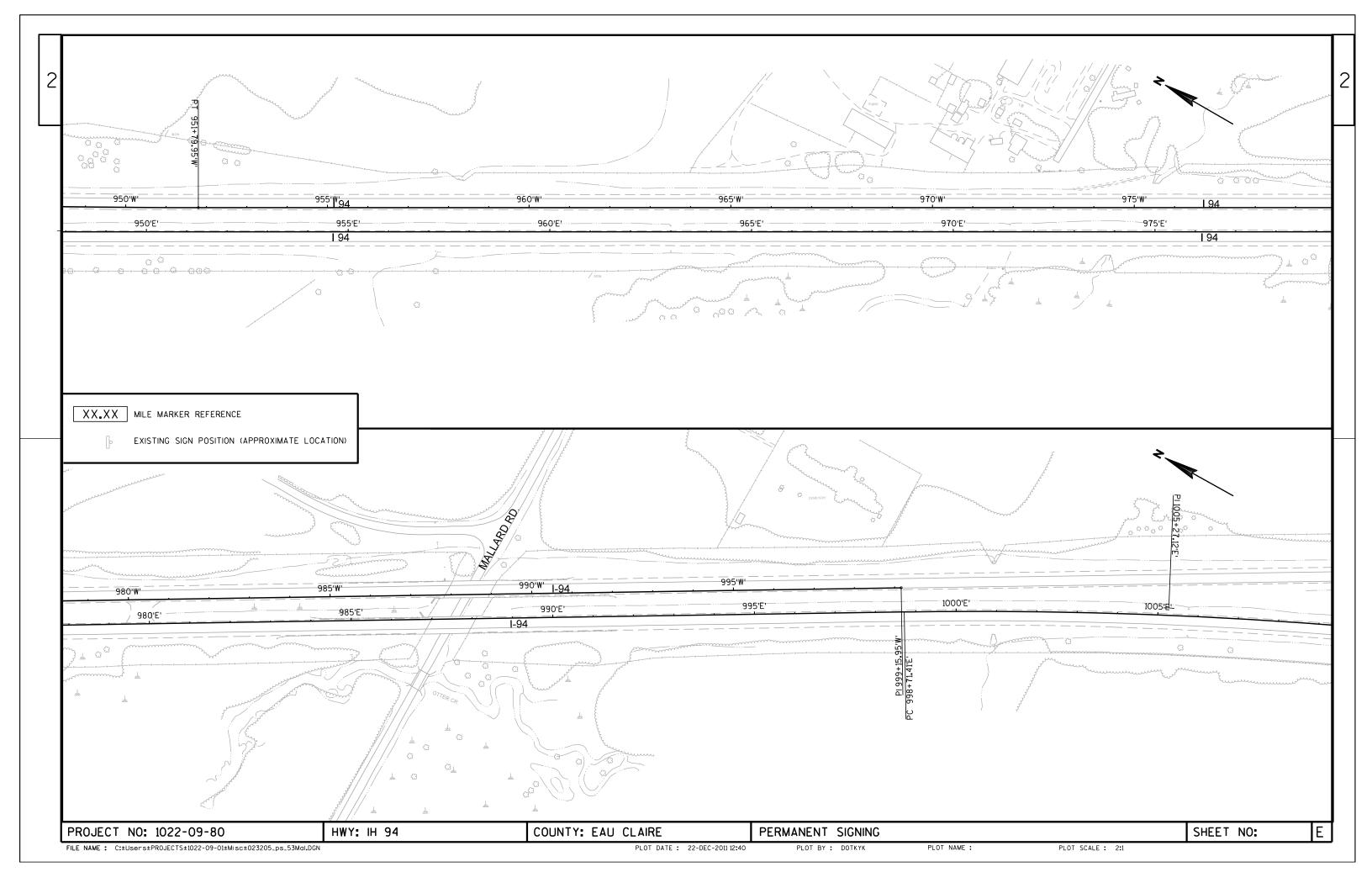












 PB
 PULL BOX

 MD
 MICROWAVE DETECTOR

 S-F
 STATE-FURNISHED

 DMS
 DYNAMIC MESSAGE SIGN

 MB
 METER BREAKER

 S-F
 STATE FURNISHED

METER BREAKER PEDESTAL	•
ITS CONDUIT— — — — — — — — — — — — — — — — — — —	••
POLE-MOUNTED CABINET	X

FTMS GENERAL NOTES

THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.

BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS, PULLBOXES, POLES, CABINET FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.

NO TREES (AND/OR SHRUBS) ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION ARE TO BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER AND SEED, AND MULCH. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION WILL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS. NO PAYMENT WILL BE MADE FOR RESTORING AREAS DISTURBED FOR FTMS CONSTRUCTION OPERATIONS.

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

BE ADVISED THAT DUE TO RAMP, LANE, AND SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.

CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 $\,$ FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.

HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.

VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.

PROJECT NO: 1022-09-80

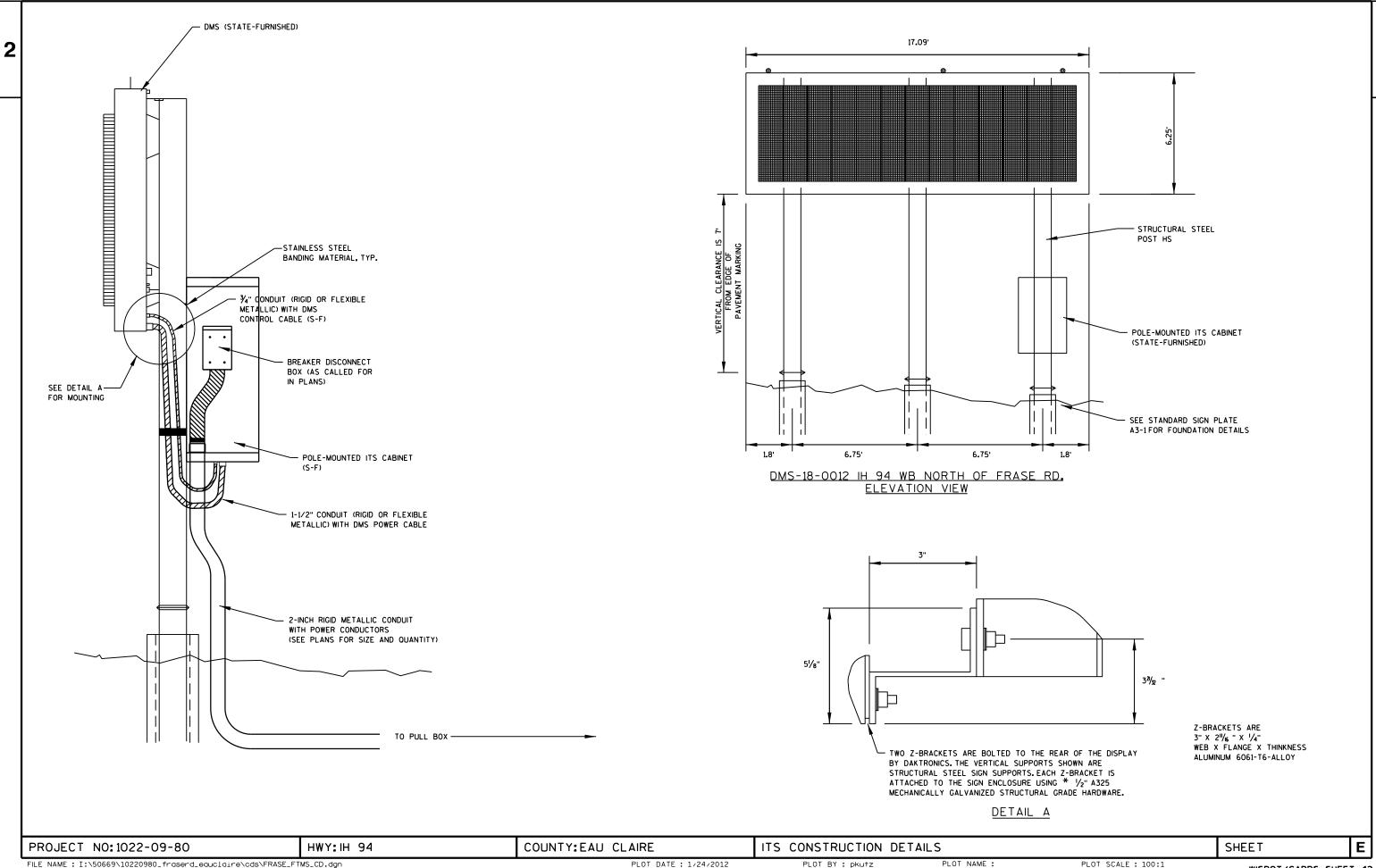
HWY: IH 94

COUNTY: EAU CLAIRE

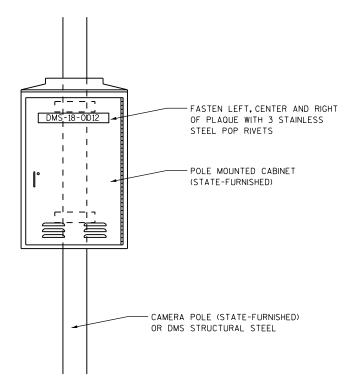
FTMS PROJECT GENERAL NOTES

SHEET

FFT

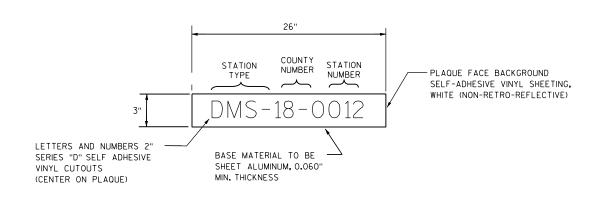






CONTROL CABINET IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

(TYPICAL ALL CONTROL CABINETS)



CONTROL CABINET IDENTIFICATION PLAQUE DETAIL

PLOT NAME :

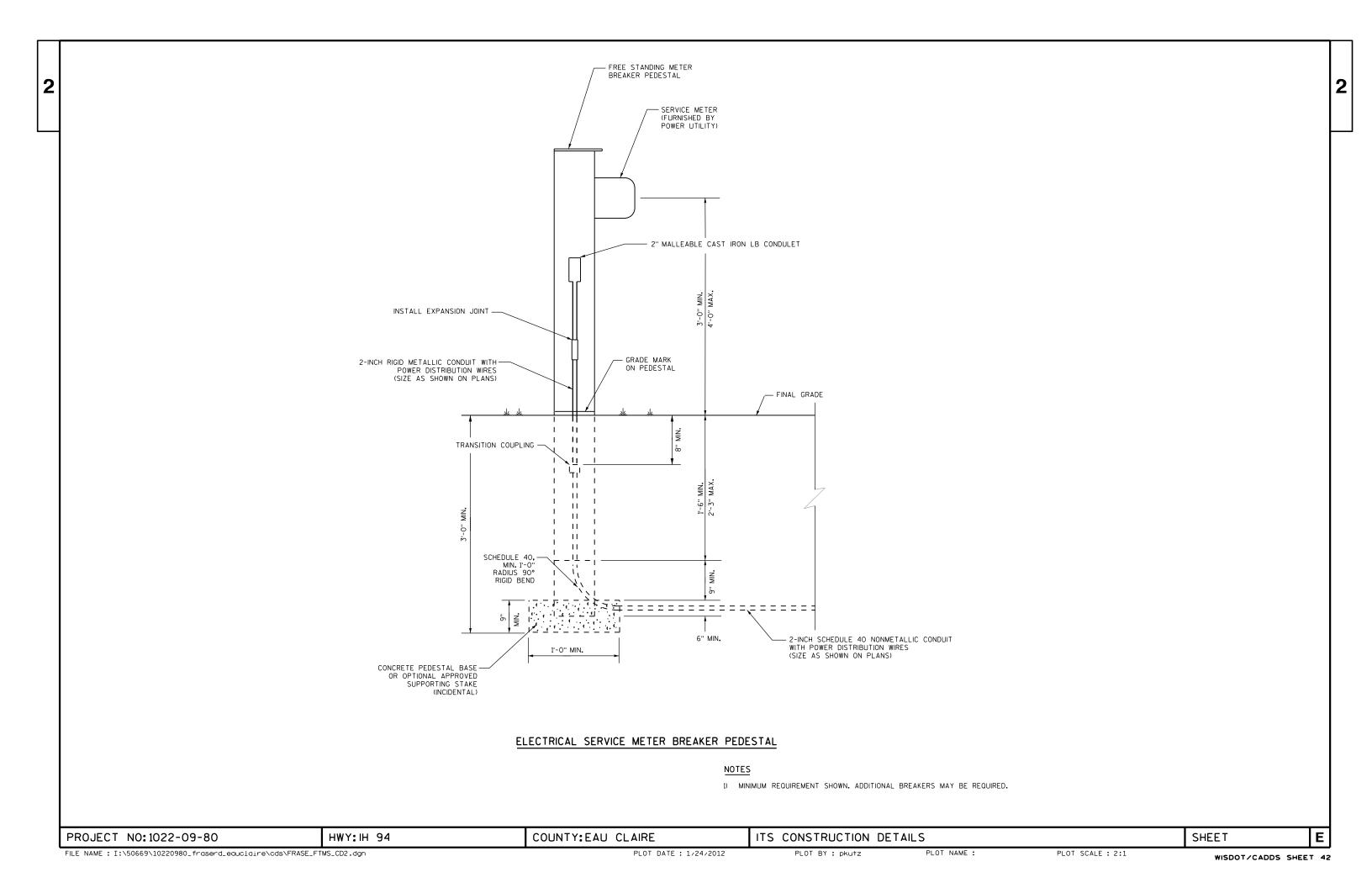
LEGEND STATION TYPE

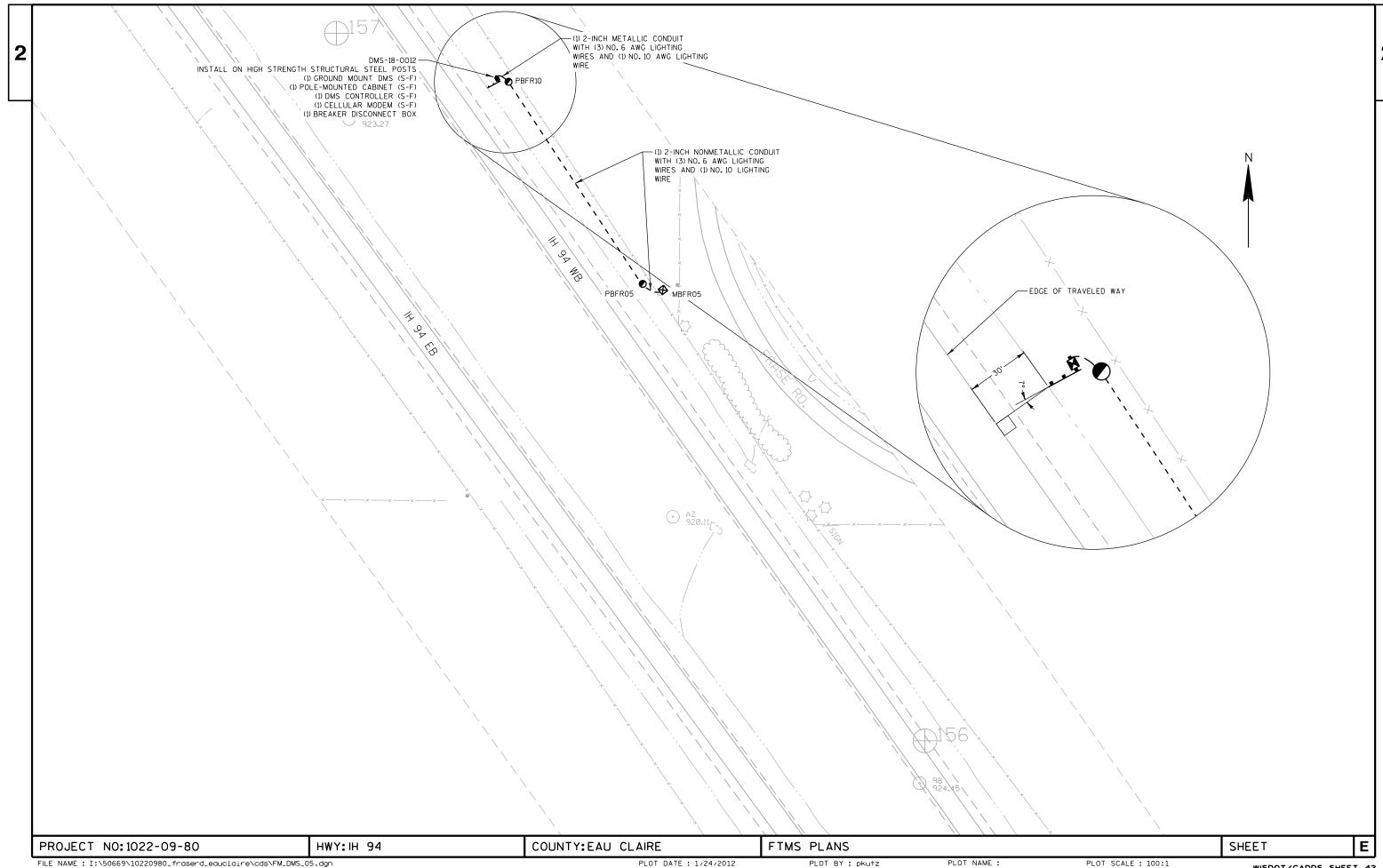
RM - RAMP METER
CCTV - CLOSED CIRCUIT TELEVISION
ATR - AUTOMATIC TRAFFIC RECORDER
SDS - SYSTEM DETECTOR STATION
MD - MICROWAVE DETECTOR

NOTES

- 1) TWO PLAQUES PER CABINET REQUIRED ON CONTROL CABINET.
- 2) FASTEN ONE PLAQUE ON FRONT DOOR, UPPER HALF.
- 3) FASTEN ONE PLAQUE ON SIDE FACING LOCAL STREET. IF NO LOCAL STREET NEARBY, OR IF SUCH LOCATION COINCIDES WITH LOCATION OF PLAQUE IN NOTE 2, FASTEN PLAQUE ON REAR OF CABINET, UPPER HALF.
- 4) COUNTY NUMBER NOT REQUIRED ON RAMP METER CABINETS.

PROJECT NO:1022-09-80 HWY: H 94 COUNTY: EAU CLAIRE ITS CONSTRUCTION DETAILS SHEET E





DATE 26 LINE	JUN13	E S	TIMAT	E O F Q U A	N T I T I E S 1022-09-80
NUMBER		ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0010	201. 0105	CLEARING S REMOVING CONCRETE SURFACE PARTIAL DEPTH	STA SF	25. 000	25. 000
0020 0030	204. 0109. 3	REMOVING CONCRETE SURFACE PARTIAL DEPTH REMOVING ASPHALTIC SURFACE BUTT JOINTS	SF SY	47, 063. 000 1, 332. 000	47, 063. 000 1, 332. 000
0040	204. 0120	REMOVING ASPHALTIC SURFACE MILLING	SY	321, 204. 000	321, 204. 000
0050	204. 0165	REMOVING GUARDRAIL	LF	750. 000	750. 000
0060	211. 0100	PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) 01. 1022-09-80	LS	1. 000	1. 000
0070	213. 0100	FINISHING ROADWAY (PROJECT) 01. 1022-09-80	EACH	1. 000	1. 000
0800	305. 0110	BASE AGGREGATE DENSE 3/4-INCH	TON	1, 000. 000	1, 000. 000
0090	305. 0500	SHAPI NG SHOULDERS	STA	764. 000	764. 000
0100	440. 4410. \$	S INCENTIVE IRI RIDE	DOL	57, 840. 000	57, 840. 000
0110	455. 0105	ASPHALTIC MATERIAL PG58-28	TON	570.000	570.000
0120 0130	455. 0140 455. 0605	ASPHALTIC MATERIAL PG64-28P TACK COAT	TON GAL	1, 711. 000 13, 156. 000	1, 711. 000 13, 156. 000
0130	460. 1100	HMA PAVEMENT TYPE E-0.3	TON	9, 507. 000	9, 507. 000
0150	460. 1110	HMA PAVEMENT TYPE E-10	TON	28, 519. 000	28, 519. 000
01/0	4/0.0000	INCENTIVE DENCITY HEAD DAVENEY		04 040 000	04 040 000
0160 0170	460. 2000 465. 0110	INCENTIVE DENSITY HMA PAVEMENT ASPHALTIC SURFACE PATCHING	DOL TON	24, 340. 000 400. 000	24, 340. 000 400. 000
0170	465. 0115	ASPHALTIC SURFACE TEMPORARY	TON	110.000	110. 000
0190	465.0400	ASPHALTIC SHOULDER RUMBLE STRIP	LF	152, 778. 000	152, 778. 000
0200	614. 0305	STEEL PLATE BEAM GUARD CLASS A	LF	750. 000	750. 000
0210	614. 0400	ADJUSTING STEEL PLATE BEAM GUARD	LF	10, 512. 500	10, 512. 500
0220	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS	EACH	1.000	1. 000
0330	619. 1000	(PROJECT) 01. 1022-09-80 MOBILIZATION	EACH	1 000	1. 000
0230 0240	627. 0200	MULCHING	SY	1. 000 4, 500. 000	4, 500. 000
0250	629. 0210	FERTILIZER TYPE B	CWT	3. 000	3. 000
0260	630. 0120	SEEDING MIXTURE NO. 20	LB	122. 000	122. 000
0270	630. 0200	SEEDING TEMPORARY	LB	122. 000	122. 000
0280	634. 0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	28. 000	28. 000
0290	634. 0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	9.000	9.000
0300	635. 0200	SIGN SUPPORTS STRUCTURAL STEEL HS	LB	1, 430. 000	1, 430. 000
0310	635. 0300	SIGN SUPPORTS REPLACING BASE CONNECTION	EACH	48. 000	48. 000
0320	636. 0100	BOLTS SIGN SUPPORTS CONCRETE MASONRY	CY	2. 700	2. 700
0330	636. 0500	SIGN SUPPORTS STEEL REINFORCEMENT	LB	150. 000	150. 000
0340	637. 0101	SIGNS TYPE I	SF	984.000	984.000
0350	637. 0202	SIGNS REFLECTIVE TYPE II	SF	234. 500	234. 500
0360	638. 2601	REMOVING SIGNS TYPE I	EACH	8. 000	8. 000
0370	638. 2602	REMOVING SIGNS TYPE II	EACH	37. 000	37.000
0380	638. 3000	REMOVING SMALL SIGN SUPPORTS	EACH	38.000	38. 000
0390	642. 5201	FIELD OFFICE TYPE C 01. 1022-09-80	EACH	1.000	1.000
0400	643. 0200	TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE (PROJECT) 01. 1022-09-80	DAY	90. 000	90. 000
0410	643. 0300	TRAFFIC CONTROL DRUMS	DAY	18, 774. 000	18, 774. 000
0420 0430	643. 0420 643. 0715	TRAFFIC CONTROL BARRICADES TYPE III TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY DAY	724. 000 739. 000	724. 000 739. 000
0430	643. 0800	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	84. 000	84. 000
0450	643. 0900	TRAFFIC CONTROL SIGNS	DAY	840. 000	840. 000
0460	643. 1050	TRAFFIC CONTROL SIGNS PCMS	DAY	180. 000	180. 000
0470	646. 0103	PAVEMENT MARKING PAINT 4-INCH	LF	19, 113. 000	19, 113. 000
0480	646. 0106	PAVEMENT MARKING EPOXY 4-INCH	LF	152, 778. 000	152, 778. 000
0490	646. 0600	REMOVING PAVEMENT MARKINGS	LF	300.000	300. 000

CLEARI NG

REMOVING CONCRETE SURFACE PARTIAL DEPTH

	<u>OLEAKI NO</u>				KEMOVINO	CONORLIE SORIAGE	AKTIAL DEI III	
		201. 0105				2	204. 0109. S	
STATION TO STATION	LOCATI ON	STA	REMARKS	STATION TO STATION	LOCATI ON		SF	REMARKS
'9' E' +00 - 680' E' +00	IH 94 EB, RT.	1 WIT	HIN 30 FEET OF TRAVELED WAY	604' E' +00 - 985' E' +75	IH 94 EB		23535 C	CONCRETE PAVEMENT REPAIR AREA
37' E' +00 - 689' E' +00	IH 94 EB, LT. & RT.		HIN 30 FEET OF TRAVELED WAY	604' W' +12 - 986' W' +26	IH 94 WB			ONCRETE PAVEMENT REPAIR AREA
79' E' +00 - 781' E' +00	IH 94 EB, LT.		HIN 30 FEET OF TRAVELED WAY	004 W 112 700 W 120	111 74 110		25520 0	MONETE TAVEINENT REPAIR AREA
64' E' +00 - 865' E' +00	IH 94 EB, LT.		HIN 30 FEET OF TRAVELED WAY			TOTAL 0010	47063	
65' E' +00 - 866' E' +00	IH 94 EB, RT.		HIN 30 FEET OF TRAVELED WAY			TOTAL OUTO	47003	
39' E' +00 - 941' E' +00	IH 94 EB, RT.		HIN 30 FEET OF TRAVELED WAY					
65' E' +00 - 967' E' +00	IH 94 EB, RT.		HIN 30 FEET OF TRAVELED WAY					
79' E' +00 - 984' E' +00	IH 94 EB, RT.		HIN 30 FEET OF TRAVELED WAY					
85' W' +00 - 886' W' +00	IH 94 WB, LT.		HIN 30 FEET OF TRAVELED WAY					
90' W' +00 - 893' W' +00	IH 94 WB, LT.		HIN 30 FEET OF TRAVELED WAY			REMOVING ASPHA	<u>ALTIC SURFACE N</u>	<u>MI LLI NG</u>
70 11 100 070 11 100	UNDI STRI BUTED		HIN 30 FEET OF TRAVELED WAY					
	5.15. 5.11. 55. 25	·						
	TOTAL 0010	25		074710117	0 07471011	1.00471.011		204. 0120
				STATION TO	O STATION	LOCATI ON		SY REMARKS
				604' E' +75 -	005' 5' +00	IH 94 EB		160520
				604' W' +87 -		IH 94 WB		160684
	DEMOVENC ACDIT	ALTIC SURFACE BUTT	IOLNIC	004 W +07	- 703 W +31	111 74 WD		100004
	REMOVING ASPH	ALIIC SURFACE BUII	<u> </u>			TΩ	TAL 0010	321204
						10	INE 0010	321231
		204	. 0115					
STATION TO	STATION LOCATION		SY REMARKS					
					<u>REMOVI NO</u>	G GUARDRAIL		
604' E' +00 - 6			333					
985' E' +00 - 9			333				204 01/5	
604' W' +12 - 6			333	STATION TO STATION	LOCATI ON	M	204. 0165 I F	REMARKS
985' W' +51 - 9	986' W' +26		333	STATION TO STATION	LUCATION	V	<u>L</u> F	KEWAKKS
	TO	TAL 0010	1332		UNDI STRI	I BUTED	750	REPLACE DAMAGED SECTIONS
						TOTAL 0010	750	
	BASE AGGREGATE DEN	ISF 3/4-INCH			SHAPI	NG SHOULDERS		
	<u> </u>	<u> </u>				_		
		305. 0110					305. 0500	
STATION TO STA	TI ON LOCATI ON	305. 0110 TO		STATION TO STATIC	N LOCAT	T ON	STA	
STATION TO STA	LOOKIT ON	101	ILIWANIS					
604' E' +00 - 985' l	E' +75 IH 94 EB, LT.	500	MEDIAN SHOULDER	604' E' +00 - 985' E' +	-75 IH 94	EB, LT.	382	MEDIAN SHOULDER
604' W' +12 - 986' V	-	500		604'W'+12 - 986'W'+		WB, RT.	382	
700			=					:
	TOTAL (0010 1000	<u>-</u>)			TOTAL 0010	764	
						ALL ITEMS	ON THIS SI	HEET ARE CATEGORY OO
						ALL ITENS	ON THE ST	TILL! ARE CATEGORY OU

PROJECT NO: 1022-09-80 HWY: IH 94 COUNTY: EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME: \\dotdtidn\n4public\Bhc\EPlans\save\misc_q_border.ppt PLOT BY: DOTKYK PLOT NAME: _____ PLOT SCALE: 1:1

ASPHALT PAVEMENT

							HMA	SMA	
		ASPHALTI C	ASPHALTI C		HMA	HMA	PAVEMENT	PAVEMENT	
		MATERI AL	MATERI AL		PAVEMENT	PAVEMENT	TYPE SMA-	COMPACTI ON	
		PG58-28	PG64-28P	TACK COAT	TYPE E-0.3	TYPE E-10	SPECI AL	ACCEPTANCE	
		455. 0105	455. 0140	455. 0605	460. 1100	460. 1110	SPV. 0195. 01	SPV. 0195. 02	
STATION TO STATION	LOCATI ON	TON	TON	GAL	TON	TON	TON	TON	REMARKS
									<u>. </u>
604' E' +00 - 985' E' +75	IH 94 EB LANES	=	855	2545	=	14252	=	=	LOWER LAYER
604' W' +12 - 986' W' +26	IH 94 WB LANES	=	856	2548	=	14267	=	-	LOWER LAYER
604' E' +00 - 985' E' +75	IH 94 EB LANES & MEDIAN SHOULDER	-	_	2969	=	=	13302	13302	UPPER LAYER
604' W' +12 - 986' W' +26	IH 94 WB LANES & MEDIAN SHOULDER	-	_	2972	-	-	13316	13316	UPPER LAYER
604' E' +00 - 985' E' +75	OUTSI DE SHOULDER	285	-	1060	4751	-	-	-	
604' W' +12 - 986' W' +26	OUTSI DE SHOULDER	285	-	1062	4756	-	-	-	
	TOTAL 0010	570	1711	13156	9507	28519	26618	26618	

ASPHALTIC SURFACE PATCHING

STATION TO STATION	LOCATI ON	465. 0110 TON	REMARKS	STATION TO STATION	LOCATI ON	465. 0125 TON	REMARKS
	PROJECT	400	IH 94 MAINLINE	604' E' +00 - 985' E' +75 604' W' +12 - 986' W' +26		55 55	FILLING RUMBLE STRIPS FILLING RUMBLE STRIPS
	ТОТ	TAL 0010 400		004 W +12 - 900 W +20	TOTAL 0010	110	FILLING RUMBLE SIRIFS

ASPHALTIC SHOULDER RUMBLE STRIP

		465. 0400	
STATION TO STATION	LOCATI ON	LF	REMARKS
604' E' +00 - 985' E' +75	IH 94 EB, LT.	38175	MEDIAN SHOULDER
604' E' +00 - 985' E' +75	IH 94 EB, RT.	38175	OUTSI DE SHOULDER
604' W' +12 - 986' W' +26	IH 94 WB, LT.	38214	MEDIAN SHOULDER
604' W' +12 - 986' W' +26	IH 94 WB, RT.	38214	OUTSI DE SHOULDER
	TOTAL 00	10 152778	

STEEL PLATE BEAM GUARD CLASS A

ASPHALTIC SURFACE TEMPORARY

				614. 0305	
	STATION TO	STATI ON	LOCATI ON	LF	REMARKS
_					
			UNDI STRI BUTED	750	REPLACEMENTS
			TOTAL 0010	750	
			TOTAL GOTO	730	

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PROJECT NO: 1022-09-80 HWY: IH 94 COUNTY: EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET: **E**

ADJUSTING STEEL PLATE BEAM GUARD

4	CTATION TO CTATION	LOCATION	614. 0400	DEMARKS								
ı	STATION TO STATION	LOCATI ON	LF	REMARKS								
	647' E' +50 - 654' E' +75	IH 94 EB, RT.	725									
	735' E' +50 - 739' E' +75	IH 94 EB, RT.	425									
ı	750' E' +65 - 756' E' +52.	5 IH 94 EB, RT.	587. 5									
ı	769' E' +10 - 775' E' +72.	5 IH 94 EB, RT.	662. 5									
┨	773' E' +10 - 775' E' +72.	5 IH 94 EB, LT.	262. 5									
ı	777' E' +30 - 784' E' +17.	5 IH 94 EB, RT.	687. 5									
ı	777' E' +30 - 778' E' +05	IH 94 EB, LT.	75									
ı	807' E' +90 - 814' E' +65	IH 94 EB, RT.	675			TRAFFIC CONT	ROL					
١	819' E' +50 - 828' E' +62.	5 IH 94 EB, RT.	912. 5									
ı	862' E' +90 - 864' E' +52.	5 IH 94 EB, RT.	162. 5									
ı	869' E' +95 - 877' E' +20	IH 94 EB, RT.	725								PORTABLE	
١	892' E' +05 - 895' E' +80	IH 94 EB, RT.	375								CHANGEABLE	
١	600' W' +87. 5 - 604' W' +75	IH 94 WB, LT.	387. 5				WARNI NG				MESSAGE SIGN	
١	614' W' +55 - 618' W' +05	IH 94 WB, LT.	350			BARRI CADES	LI GHTS	ARROW			CELLULAR	
١	648' W' +65 - 656' W' +65	IH 94 WB, LT.	800		DRUMS	TYPE III	TYPE C	BOARDS	SI GNS	SIGNS PCMS	COMMUNI CATI ONS	
١	736' W' +50 - 741' W' +00	IH 94 WB, LT.	450		643. 0300	643. 0420	643. 0715	643. 0800	643. 0900	643. 1050	SPV. 0045. 01	
١	774' W' +80 - 776' W' +30	IH 94 WB, LT.	150	LOCATI ON	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	REMARKS
١	775' W' +55 - 776' W' +30	IH 94 WB, RT.	75									
١	777' W' +92. 5 - 781' W' +80	IH 94 WB, RT.	387. 5	PROJECT	18774	724	739	84	840	180	180	
ı	821' W' +75 - 826' W' +00	IH 94 WB, LT.	425									
١	829' W' +40 - 833' W' +40	IH 94 WB, LT.	400	TOTAL 0010	18774	724	739	84	840	180	180	
١	875' W' +52. 5 - 880' W' +65	IH 94 WB, LT.	512. 5									
ı	898' W' +05 - 901' W' +05	IH 94 WB, LT.	300									
ı												
1		TOTAL O	010 10512. 5									
١												
1												

RESTORATION ITEMS

STATION TO STATION	LOCATI ON		MULCHI NG 627. 0200 SY	FERTI LI ZER TYPE B 629. 0210 CWT	SEEDI NG MI XTURE NO. 20 630. 0120 LB	SEEDI NG TEMPORARY 630. 0200 LB	REMARKS
	PROJECT		4500	3	122	122	AS NEEDED AFTER CLEARING
		TOTAL 0010	4500	3	122	122	

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PROJECT NO: 1022-09-80 HWY: IH 94 COUNTY: EAU CLAIRE MISCELLANEOUS QUANTITIES	SHEET:	Ε
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FILE NAME: \\dotdtidn\n4public\Bhc\EPlans\save\misc_q_border.ppt PLOT DATE: 3/12/2007 9:37:48 AM PLOT BY: DOTKYK PLOT NAME: _____ PLOT SCALE: 1:1

TYPE I PERMANENT SIGNS

				635.0300													
				Sign													
				Supports													
					638.2601												
					Removing				New	New	637.0101						
IH 94	Existing		Existing	Connection		New		New			Signs						
Mile	Sign			Bolts	Type I	Sign		Sign			Type I						
Marker	Code	Existing Sign Description	Position		(Each)		New Sign Description	Position				Order -Line 1	Order -Line 2	Order -Line 3	Order -Line 4	Order -Line 5	Notes
EB 71.97 mi	E8-1	Sequence Sign-Highways_Miles	Right	8	1	E8-1	Sequence Sign-Highways_Miles	Right	168.00	84.00	98.00	Hwy HH 9	Tomah 77	Madison 171			See Sign Detail; Exist. Sign Size 168" x 84"
WB 58.12 mi	E0 1	(Name) Next_Exits	Right	0	1	E9-1	(Name) Next_Exits	Right	144.00	E4 00	54.00	Eau Claire	4				See Sign Detail; Exist. Sign Size 144" x 54"
WB 59.02 mi		, , –	Right	0	1		· / –	ŭ			216.00	53	Eou Claira	Cupariar	2		See Sign Detail; Exist. Sign Size 204" x 162"
		0 -	•	0	1		0 -	Right					Eau Claire	Superior	2		
WB 59.02 mi			Right	-	1			Right	108.00		22.50	70					See Sign Detail; Exist. Sign Size 108" x 30"
WB 59.79 mi		Destination-Next Right-Exit Number	•	8	1		Destination-Next Right-Exit Number	Right			190.00	State Patrol Hdqrs	Chippewa Valley	Regional Airport	70		See Sign Detail; Exist. Sign Size 228" x 120"
WB 59.95 mi	E1-1A	Advance Exit Guide Signs_Mile	Right	8	1	E1-1A	Advance Exit Guide Signs_Mile	Right	192.00	162.00	216.00	53	Eau Claire	Superior	1		See Sign Detail; Exist. Sign Size 204" x 162"
WB 59.95 mi	E1-5P	Exit Number For E1-1 & E4-1	Right	-	1	E1-5P	Exit Number For E1-1 & E4-1	Right	108.00	30.00	22.50	70					See Sign Detail; Exist. Sign Size 108" x 30"
WB 60.69 mi	E3-1	Destination-Next Right-Exit Number	Right	8	1	E3-1	Destination-Next Right-Exit Number	Right	180.00	132.00	165.00	Altoona	Chippewa Falls	Exit 70	Follow	53 North	See Sign Detail; Exist. Sign Size 192" x 132"
			Totals	1 Ω	Ω					Totals	984.00						
			i Utais	40	U					iotais	304.00						

PROJECT NO: 1022-09-80 HWY: IH 94 COUNTY: EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME: \\dotdtidn\n4public\Bhc\EPlans\save\misc_q_border.ppt PLOT BY: DOTKYK PLOT NAME: _____ PLOT SCALE: 1:1

TYPE II PERMANENT SIGNS

				638.2602	638.3000						637.0202	634.0616	634.0618		
111.04									N1	Maria					
IH 94					Removing				New	New	Signs				
Eastbound	Existing		Existing	Signs	Small Sign	New		New	Sign	Sign	Reflective	4x6 - Inch	4x6 - Inch		
Mile	Sign		Sign	Type II	Supports	Sign		Sign	Size	Size	Type II	x 16 - Ft.	x 18 - Ft.		
Marker	Code	Existing Sign Description	Position	(Each)	(Each)	Code	New Sign Description	Position	Width	Height	(SF)	Each	Each	Order -Line 1	Notes
71.65 mi	R2-1	Speed Limit _ MPH	Right	1	2	R2-1	Speed Limit _ MPH	Right	48.00	60.00	20.00	-	2	65	
71.77 mi	D10-2	Milepost Marker (2 Digit)	Right	-	-	-	-	-	-	-	-	-	-		Existing Sign To Remain
71.81 mi	I-56-50	Wisconsin Veterans Memorial Highway	Right	1	2	-	=	-	-	-	-	-	-		Do Not Replace
72.04 mi	R4-3	Slower Traffic Keep Right	Median	1	2	R4-3	Slower Traffic Keep Right	Median	48.00	60.00	20.00	-	-		
72.08 mi	M1-94	Crossroad Name	Right	-	-	-	-	-	-	-	-	-	-		Existing Sign To Remain
72.28 mi	R8-7	Emergency Stopping Only	Right	1	2	R8-7	Emergency Stopping Only	Right	48.00	36.00	12.00	-	2		
72.77 mi	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	1	-	73	
73.63 mi	R3-4	No U-Turn Symbol	Median	1	1	R3-4B	No U-Turn Symbol (w/R3-4A message)	Median	36.00	48.00	12.00	-	1		
73.63 mi	R3-4A	Except Maintenance and Police	Median	1	-	-	-	-	-	-	-	-	-		
73.77 mi	D10-2	Milepost Marker (2 Digit)	Right	-	-	-	-	-	-	-	-	-	-		Existing Sign To Remain
74.49 mi	M1-94	Crossroad Name	Right	1	1	M1-94	Crossroad Name	Right	54.00	21.00	7.88	2	-	Hwy J	See Sign Detail
74.50 mi	W5-52L	Bridge Hash Marks	Median	1	1	W5-52L	Bridge Hash Marks	Median	18.00	54.00	6.75	1	-		
74.50 mi	W5-52R	Bridge Hash Marks	Right	1	1	W5-52R	Bridge Hash Marks	Right	18.00	54.00	6.75	1	-		
74.76 mi	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	1	-	75	
75.68 mi	R3-4	No U-Turn Symbol	Median	1	1	R3-4B	No U-Turn Symbol (w/R3-4A message)	Median	36.00	48.00	12.00	-	1		
75.68 mi	R3-4A	Except Maintenance and Police	Median	1	-	-	-	-	-	-	-	-	-		
75.76 mi	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	1	-	76	
76.76 mi	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	1	-	77	
76.77 mi	M1-94	Crossroad Name	Right	1	2	M1-94	Crossroad Name	Right	54.00	21.00	7.88	2	-	Hwy D	See Sign Detail
76.78 mi	W5-52L	Bridge Hash Marks	Median	1	1	W5-52L	Bridge Hash Marks	Median	18.00	54.00	6.75	1	-		
76.78 mi	W5-52R	Bridge Hash Marks	Right	1	1	W5-52R	Bridge Hash Marks	Right	18.00	54.00	6.75	1	-		
77.75 mi	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	1	-	78	

(CONTINUED ON NEXT SHEET)

PROJECT NO: 1022-09-80 HWY: IH 94 COUNTY: EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : \\dotdtidn\n4public\Bhc\EPlans\save\misc_q_border.ppt PLOT BY : DOTKYK PLOT NAME : _____ PLOT SCALE : 1:1

TYPE II PERMANENT SIGNS

				638.2602	638.3000						637.0202	634.0616	634.0618		
IH 94				Removing					New	New	Signs		Posts Wood		
Westbound	Frieting		Existing		_	New		New	Sign	Sign		4x6 - Inch	4x6 - Inch		
Mile	Sign		Sign	Type II	Supports	Sign		Sign	Size	Size	Type II	x 16 - Ft.	x 18 - Ft.		
Marker	Code	Existing Sign Description	Position		(Each)		New Sign Description	Position		Height		Each	Each	Order -Line 1	Notes
54.34 mi	D10-2	Milepost Marker (2 Digit)	Right	-	-	-	-	-	-	-	-	-	-		Existing Sign To Remai
55.27 mi	M1-94	Crossroad Name	Right	1	2	M1-94	Crossroad Name	Right	54.00	21.00	7.88	2	-	Hwy D	See Sign Detail
55.29 mi	W5-52-L	Bridge Hash Marks	Median	1	1	W5-52-L	Bridge Hash Marks	Median	18.00	54.00	6.75	1	-		
55.29 mi	W5-52-R	Bridge Hash Marks	Right	1	1	W5-52-R	Bridge Hash Marks	Right	18.00	54.00	6.75	1	-		
55.33 mi	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	1	-	77	
56.32 mi	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	1	-	76	
56.40 mi	R3-4	No U-Turn Symbol	Median	1	1	R3-4B	No U-Turn Symbol (w/R3-4A message)	Median	36.00	48.00	12.00	-	1		
56.40 mi	R3-4A	Except Maintenance and Police	Median	1	-	-	-	-	-	-	-	-	-		
57.33 mi	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	1	-	75	
57.55 mi	M1-94	Crossroad Name	Right	1	1	M1-94	Crossroad Name	Right	54.00	21.00	7.88	2	-	Hwy J	See Sign Detail
57.57 mi	W5-52-L	Bridge Hash Marks	Median	1	1	W5-52-L	Bridge Hash Marks	Median	18.00	54.00	6.75	1	-		
57.57 mi	W5-52-R	Bridge Hash Marks	Right	1	1	W5-52-R	Bridge Hash Marks	Right	18.00	54.00	6.75	1	-		
58.32 mi	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	1	-	74	
58.47 mi	R3-4	No U-Turn Symbol	Median	1	1	R3-4B	No U-Turn Symbol (w/R3-4A message)	Median	36.00	48.00	12.00	-	1		
58.47 mi	R3-4A	Except Maintenance and Police	Median	1	-	-	-	-	-	-	-	-	-		
59.33 mi	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	1	-	73	
59.56 mi	SP	ANY SPECIAL SIGN	Right	-	-	-	-	-	-	-	-	-	-		
59.98 mi	M1-94	Crossroad Name	Right	1	1	M1-94	Crossroad Name	Right	48.00	21.00	7.00	2	-	Hwy I	See Sign Detail
60.33 mi	D10-2	Milepost Marker (2 Digit)	Right	-	-	-	-	-	-	-	-	-	-		Existing Sign To Remai
60.86 mi	R3-4	No U-Turn Symbol	Median	1	1	R3-4B	No U-Turn Symbol (w/R3-4A message)	Median	36.00	48.00	12.00	-	1		
60.86 mi	R3-4A	Except Maintenance and Police	Median	1	-	-	-	-	-	-	-	-	-		
			Totals	37	38					Totals	234.50	28	9		

PROJECT NO: 1022-09-80 HWY: IH 94 COUNTY: EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME: \\dotdtidn\n4public\Bhc\EPlans\save\misc_q_border.ppt PLOT NAME: _____ PLOT SCALE: 1:1

PAVEMENT MARKING PAINT 4-INCH

PAVEMENT MARKING EPOXY 4-INCH

TEMPORARY PAVEMENT MARKING 4-INCH

	PAVEMENT MARKING PAINT 4	<u>1-1 NCH</u>				<u>PAVEMENT MARKING E</u>	POXY 4-INCH
STATION TO STATION	LOCATI ON	646. 0103 LF	REMARKS		STATION TO STATION	LOCATI ON	646.0106 LF REMARKS
604' E' +00 - 985' E' +75 604' W' +12 - 986' W' +26	IH 94 EB IH 94 WB TOTAL 0010		NTERIM LANE LINE (WHITE), NTERIM LANE LINE (WHITE),		604' E' +00 - 985' E' +75 604' E' +00 - 985' E' +75 604' W' +12 - 986' W' +26 604' W' +12 - 986' W' +26		38175 EDGELI NE (WHI TE) 38175 EDGELI NE (YELLOW) 38214 EDGELI NE (YELLOW) 38214 EDGELI NE (WHI TE)
						TOTAL C	0010 152778
	REMOVING PAVEMENT	MARKI NGS			<u>PAVEMENT MARKING</u>	GROOVED WET REFLECTIV	<u>'E TAPE 4-INCH</u>
STATION TO STA	TION LOCATION	646. 060 L	00 LF REMARKS_	STATION TO STA	ATION LOCATION	646. 0881. S LF	REMARKS
	IH 94 MAINLINE	30	_	604' E' +00 - 985' 604' W' +12 - 986'		9550 9563	LANE LINE (WHITE), SEE GEN. NOTES LANE LINE (WHITE), SEE GEN. NOTES
	TOTAL	0010 30	00		TOTAL	. 0010 19113	

PAVEMENT MARKING AERIAL ENFORCEMENT BARS EPOXY 24-INCH

STATION TO STATION	LOCATI ON	647. 0803 LF	REMARKS	STATION TO S	STATI ON	LOCATI ON	649. 0100 LF	REMARKS
	IH 94 WB	60	1 MILE EAST OF CTH I OVERPASS			IH 94 EASTBOUND IH 94 WESTBOUND	10000 10000	
	TOTAL	0010 60				TOTAL 0010	20000	

CONSTRUCTION STAKING RESURFACING REFERENCE

			650. 8000	
STATION TO STATION	LOCATI ON		LF	REMARKS
604' E' +00 - 985' E' +75	IH 94 EB		38175	
604' W' +12 - 986' W' +26	IH 94 WB		38214	
		TOTAL 0010	76389	

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PROJECT NO	16 1 10:2:2-0U-80	HWY: IH 94	COUNTY: EAU CLAIRE	MISCELLANEOUS QUANTITIES	L SHEET:	Ε
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SAWI NG CONCRETE

REHEATING HMA PAVEMENT LONGITUDINAL JOINTS SPECIAL

STATION TO STATION	LOCATI ON	690. 0250 LF	REMARKS	STATION TO STATION	LOCATI ON	SPV. 0170. 01 STA	REMARKS
604' E' +00 - 985' E' +75 604' W' +12 - 986' W' +26	IH 94 EASTBOUND IH 94 WESTBOUND	14670 14670		604' E' +00 - 985' E' +75 604' W' +12 - 986' W' +26	IH 94 EB IH 94 WB	382 382	FINAL CENTERLINE JOINT ONLY FINAL CENTERLINE JOINT ONLY
	TOTAL 0010	29340				TOTAL 0010 764	

CONCRETE PAVEMENT REPAIR NON DOWELED SPECIAL

			SPV. 0180. 01	
STATION TO	STATI ON	LOCATI ON	SY	REMARKS
604' E' +00 -	985' E' +75	IH 94 EASTBOUND	1530	
604' W' +12 -	986' W' +26	IH 94 WESTBOUND	1530	
		TOTAL 0010	3060	

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PROJECT NO: 1022-09-80 HWY: IH 94 COUNTY: EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME: \\dotdtidn\n4public\Bhc\EPlans\save\misc_q_border.ppt PLOT DATE: 3/12/2007 9:37:48 AM PLOT BY: DOTKYK PLOT NAME: _____ PLOT SCALE: 1:1

DMS SIGNING ITEMS

								INF	O ONLY - PO	ST LENGTH	S TO
				635.0200	636.0100	636.0500	SPV.0060.01	BE	VERIFIED BY	Y CONTRACT	TOR
				SIGN SUPPORTS	SIGN SUPPORTS	SIGN SUPPORTS	INSTALL	POST	POST	POST	SIGN
			STEEL	STRUCTURAL	CONCRETE	STEEL	GROUND MOUNT	NO. 1	NO. 2	NO. 3	OFFSET
			POST	STEEL HS	MASONRY	REINFORCEMENT	DMS	LENGTH	LENGTH	LENGTH	DISTANCE
CAT.	ITEM I.D.	LOCATION	TYPE	LB	CY	LB	EACH	FT	FT	FT	FT
0020	DMS-18-0012	IH-94 WB @ FRASE RD.	С	1430	2.7	150	1	16.00	15.50	15.00	30
			TOTAL	1430	2.7	150	1				

<u>ITS CONDUIT</u>

CAT.	FROM	TO	LINEAR DISTANCE	652.0125 CONDUIT RIGID METALLIC 2-INCH LF	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF						653.0135 PULL BOXES STEEL 24 x 36
0020	MBFR05	PBFR05	10		10	·	CAT.	ITEMID	LOCATION		EACH
							0020	PBFR05	IH-94 WB @ FRASE RD.		1
0020	PBFR05	PBFR10	280		280		0020	PRFR10	IH-94 WB @ FRASE RD.		1
0020	PBFR10	DMS-18-0012	10	15			0020	1 Di ICIO	III O I WB @ I II, IOE II B.	TOTAL	
-		TOTAL		15	290	•				TOTAL	2

ITS POWER

					WIRE LINEAR	655.0615 ELECTRICAL	655.0625 ELECTRICAL	656.0200.01 ELECTRICAL SERVICE	656.0500.01 ELECTRICAL SERVICE
					DISTANCE	WIRE LIGHTING	WIRE LIGHTING	METER BREAKER PEDESTAL	BREAKER DISCONNECT BOX
	ITEM			NUMBER	FROM CABINET	10 AWG	6 AWG	(IH-94 WB @ FRASE RD.)	(IH-94 WB @ FRASE RD.)
CAT.	I.D.	LOCATION	MB I.D.	OF WIRES	TO METER BREAKER	LF	LF	LS	LS
0020	DMS-18-0012	IH-94 WB @ FRASE RD.	MBFR05	3	300	325	975	1	1
				TOTAL		325	975	1	1

ITS CABINETS

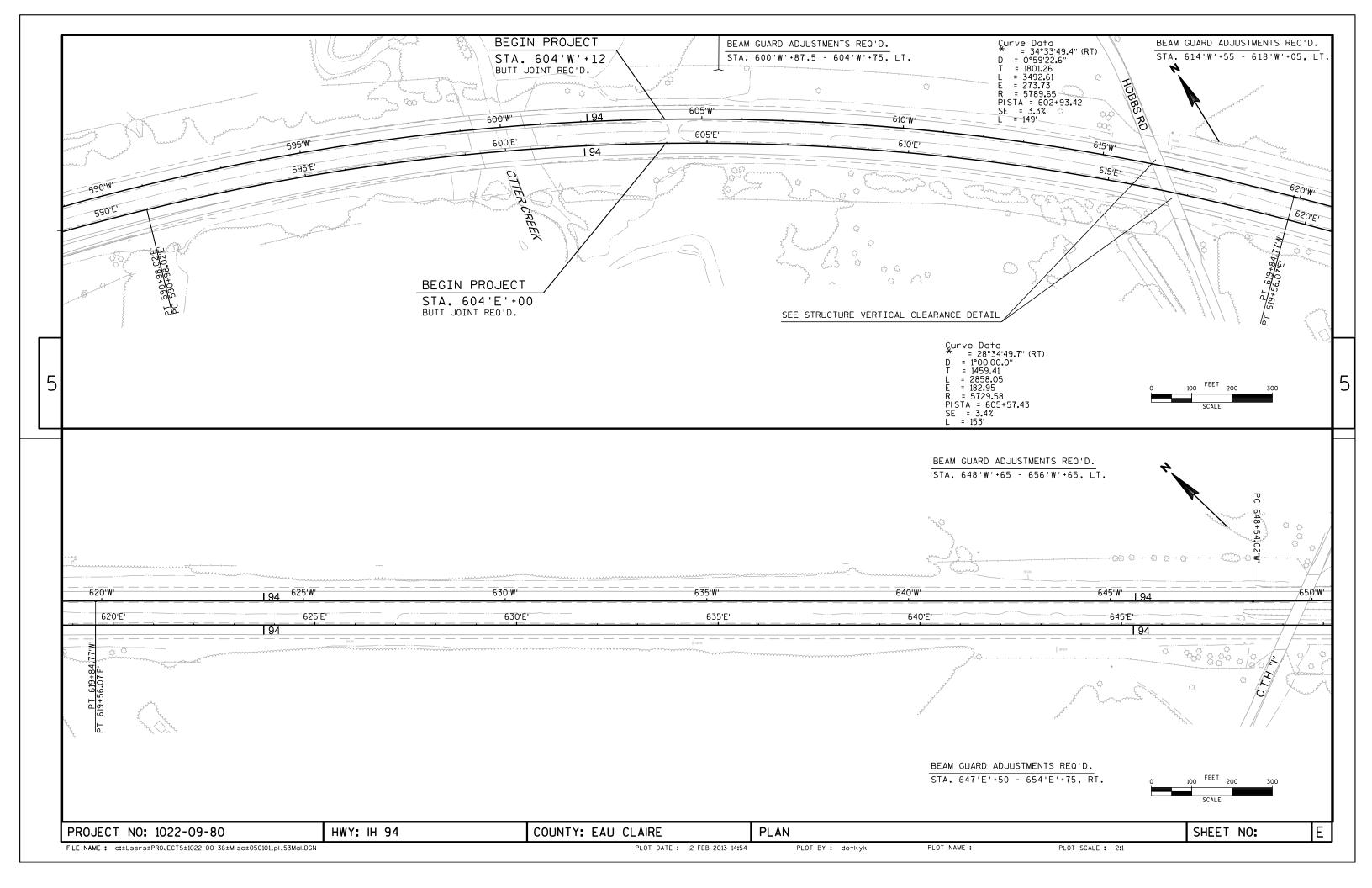
				659.0802	673.0225.S
				PLAQUES	INSTALL
				SEQUENCE	POLE MOUNTED
				IDENTIFICATION	CABINET
CAT.	ITEM I.D.	LOCATION		EACH	EACH
0020	DMS-18-0012	IH 94-WB @ FRASE RD.		1	1
			TOTAL	1	1

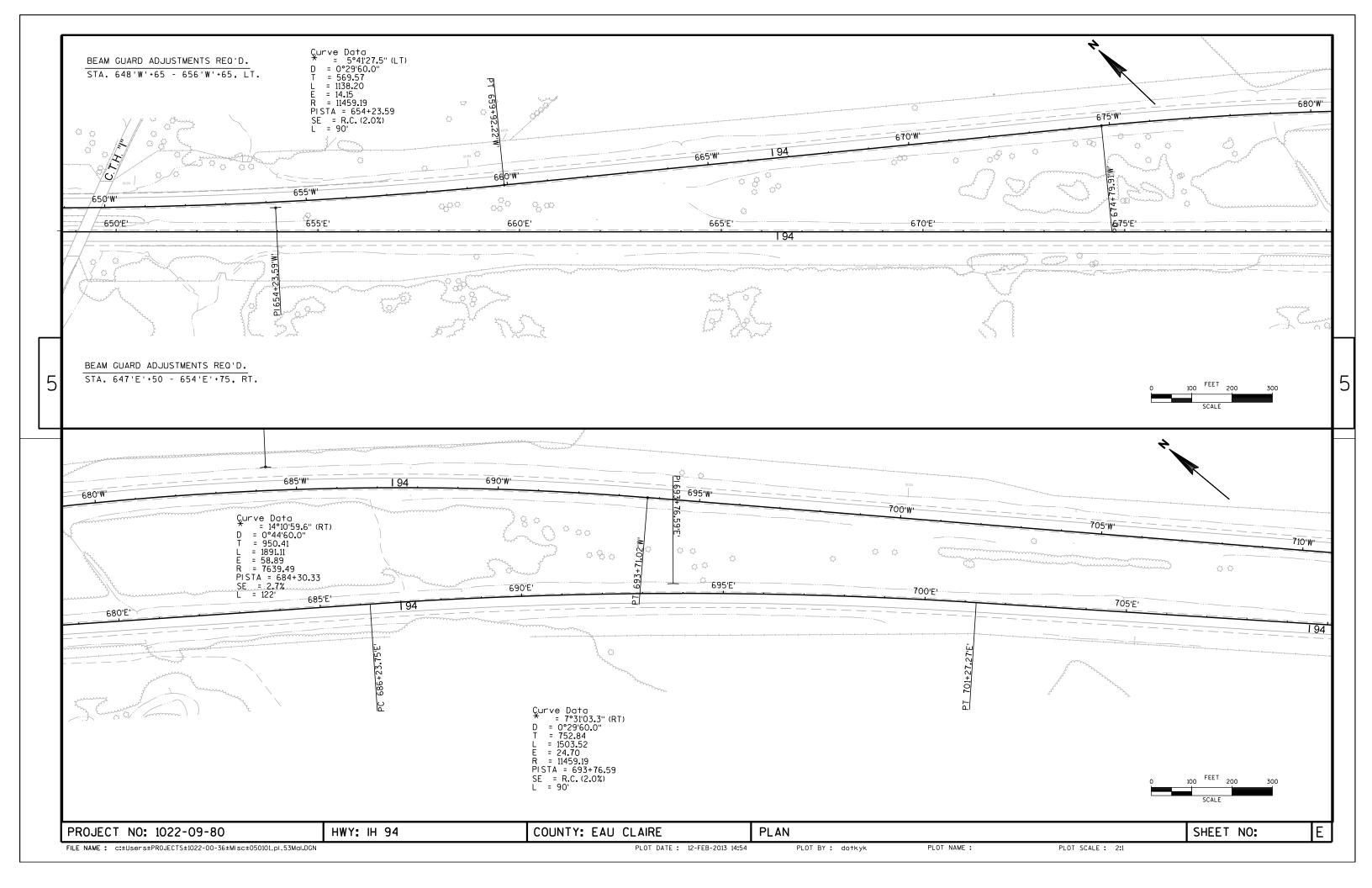
ALL ITEMS ON THIS SHEET ARE CATEGORY 0020

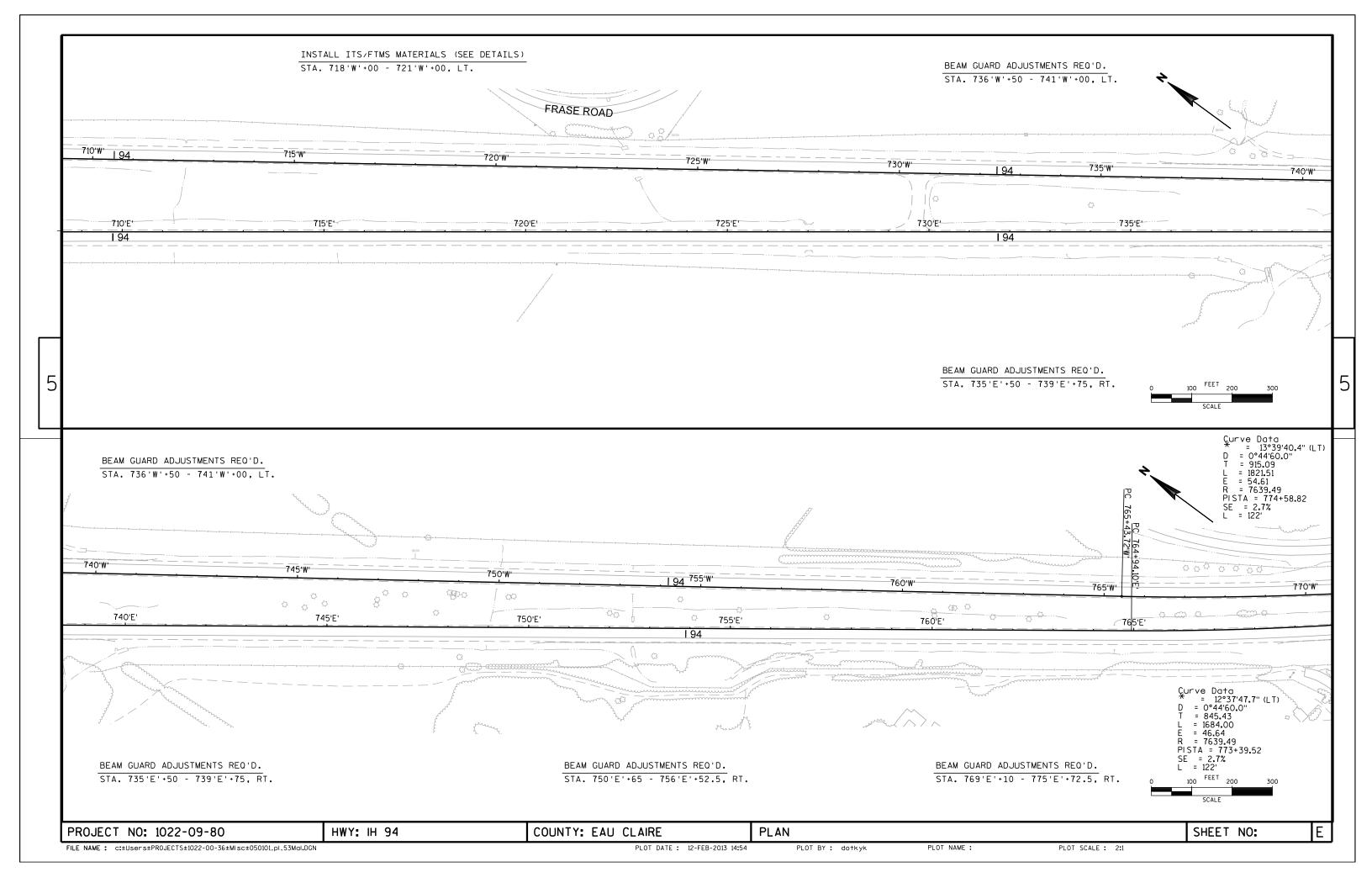
ITS PULLBOXES

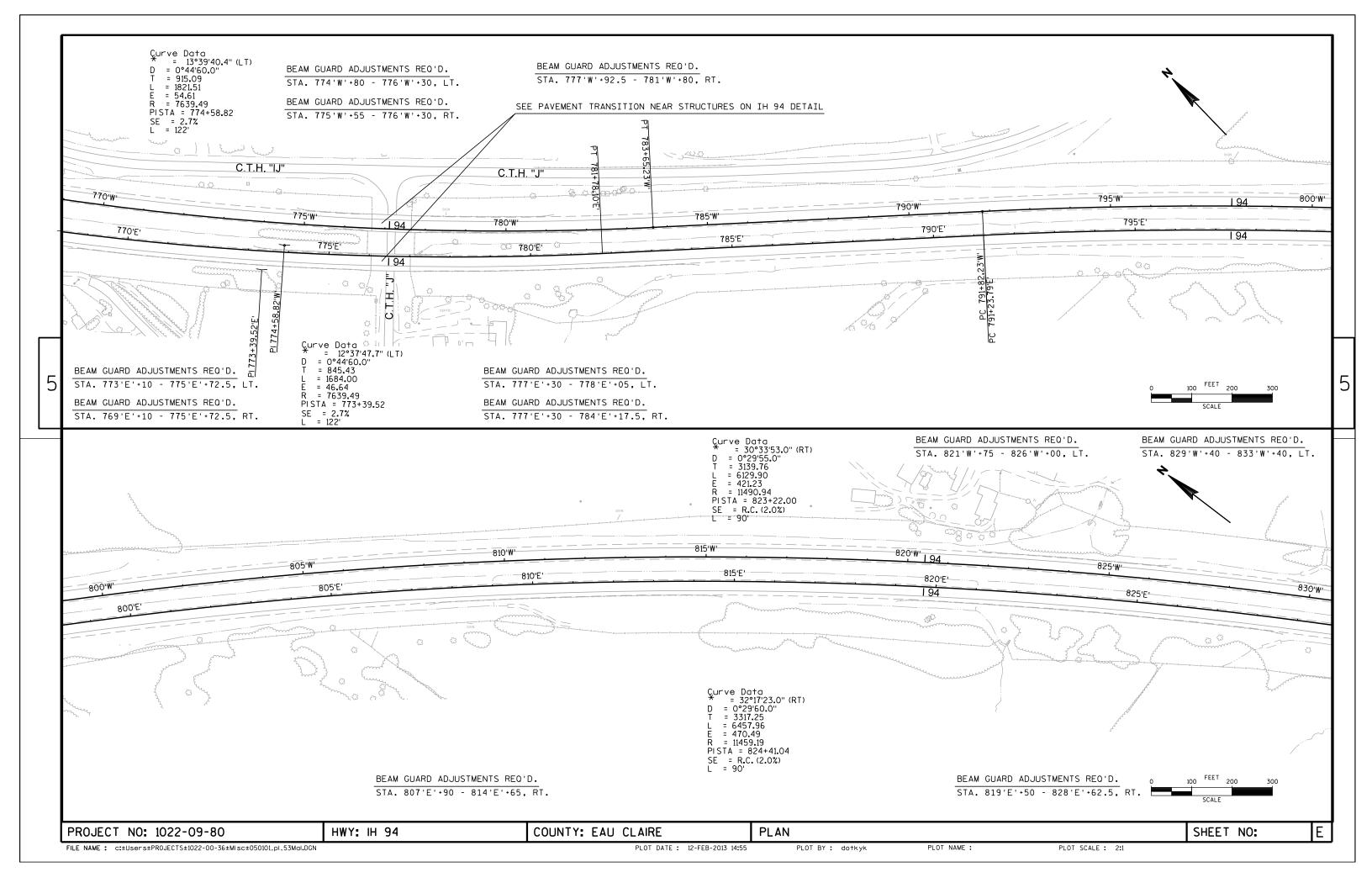
PROJECT NO: 1022-09-80 HWY: IH 94 COUNTY: EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET

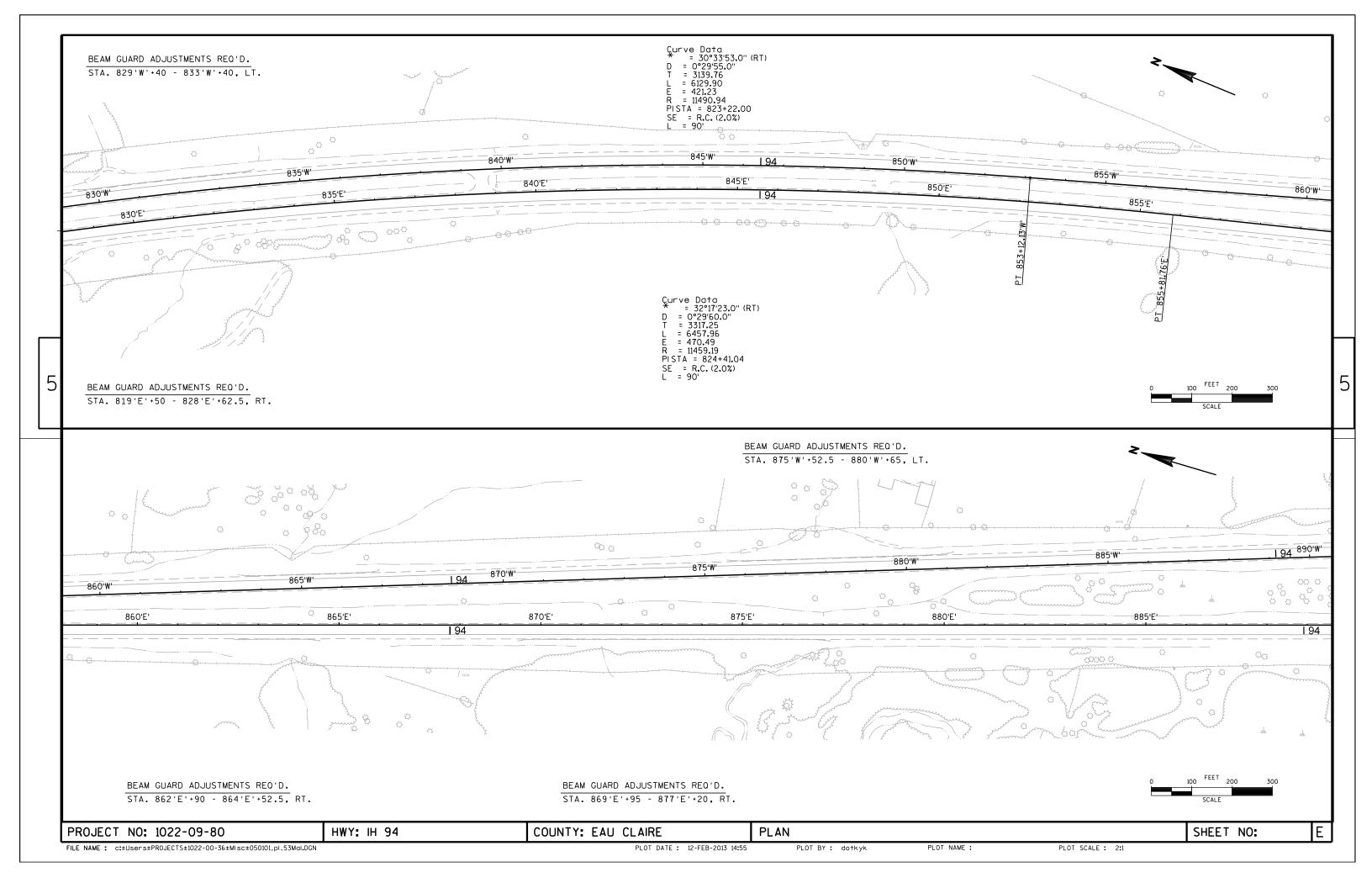
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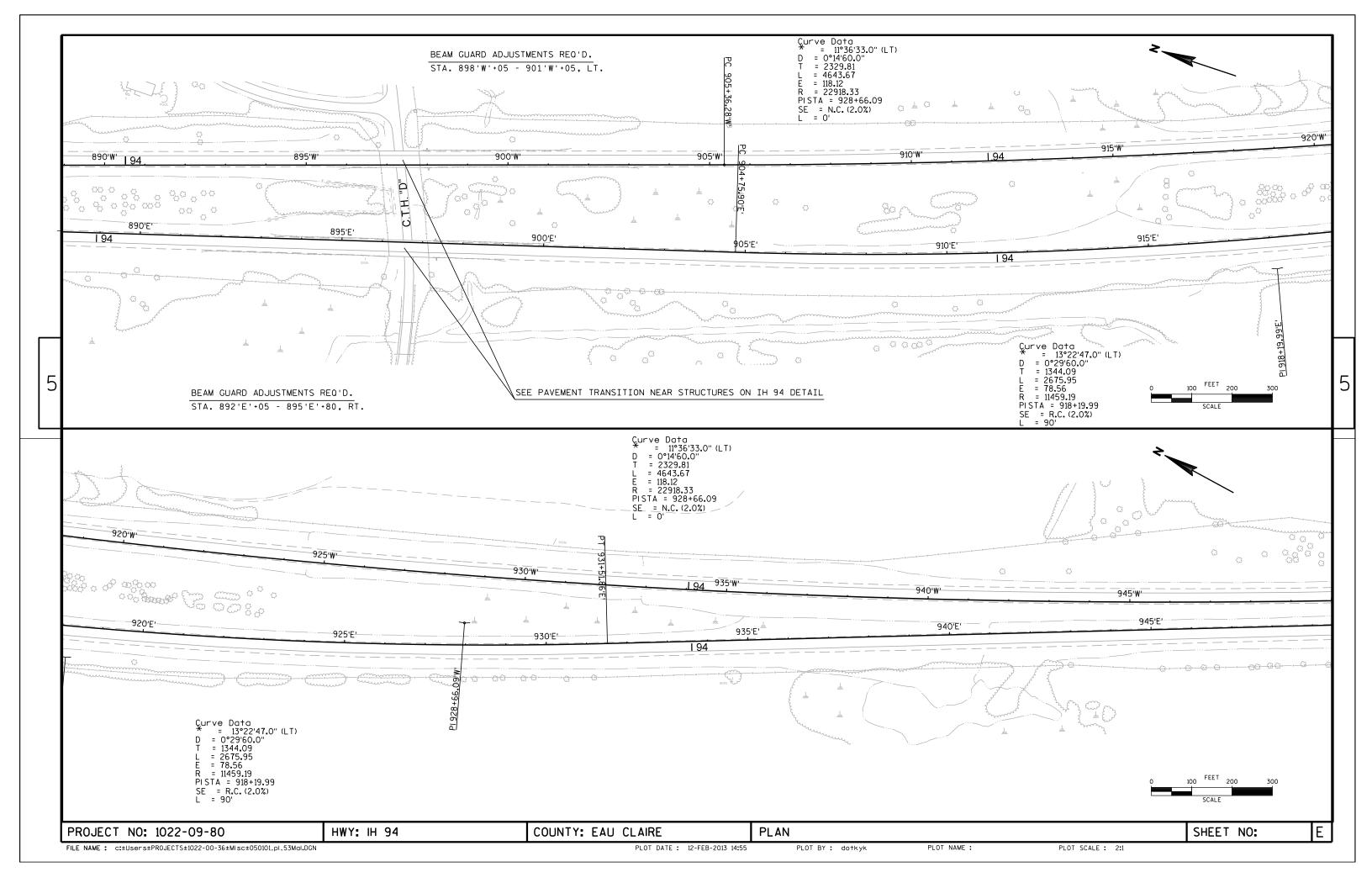


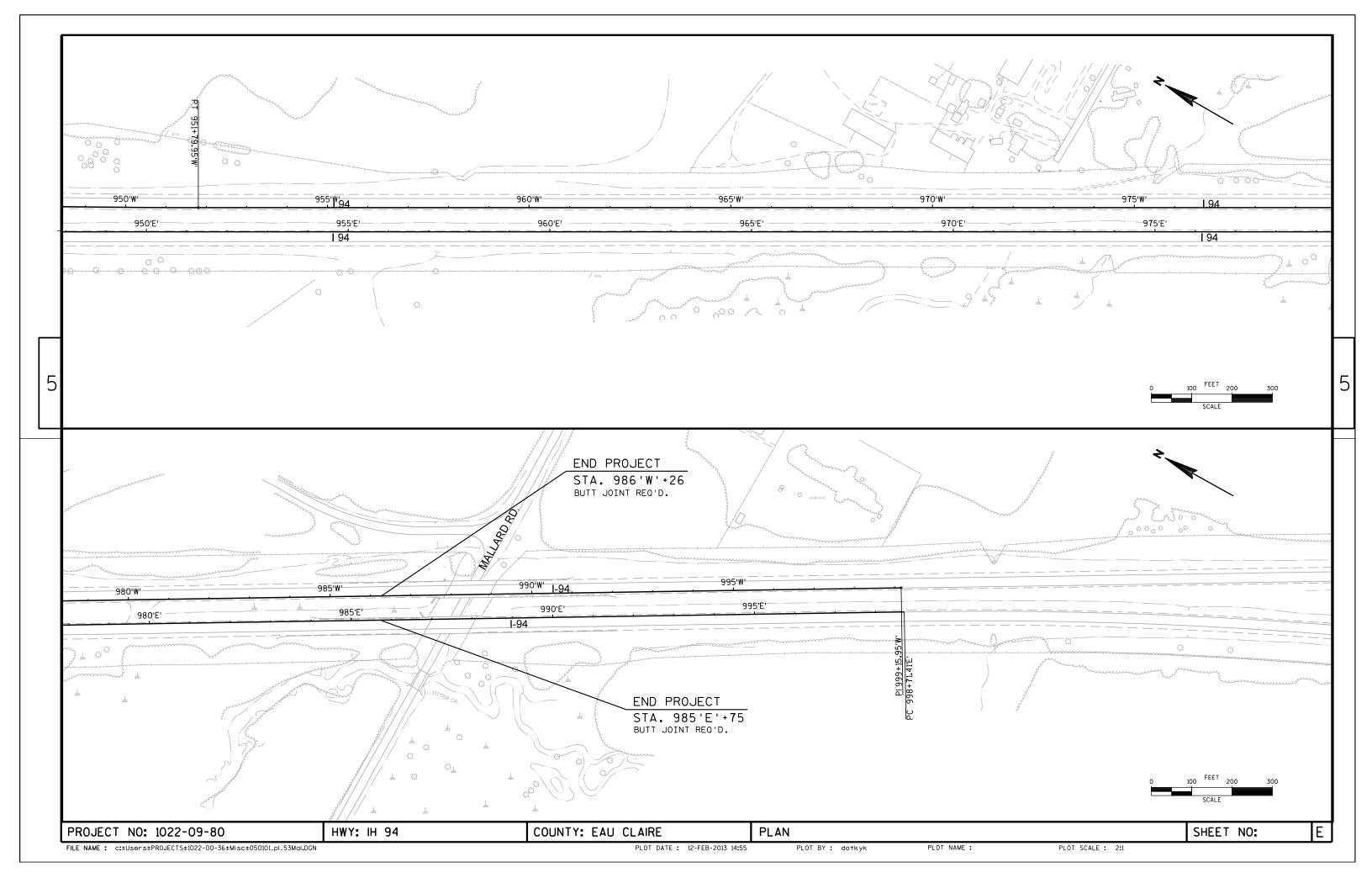












Standard Detail Drawing List

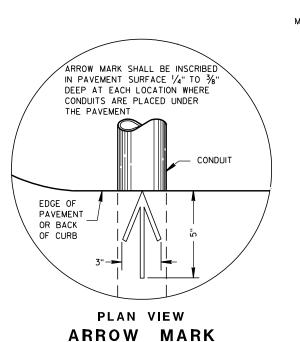
09B02-07 09B04-10	CONDUI T PULL BOX
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
14B15-07A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-07B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-07C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B16-04A	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
14B18-06A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C14-01	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15D12-02	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.
15D15-01	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D27-01	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

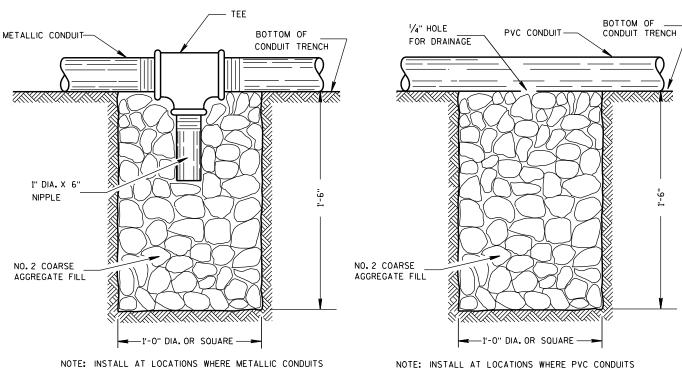
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DRAIN SUMP FOR METALLIC CONDUIT

CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

ARROW MARK INSCRIBED IN PAVEMENT SURFACE OVER ← OF CONDUIT (BOTH ENDS) NORMAL EDGE ÒF PAVEMENT PAVEMENT **PAVEMENT** OR BACK OF CURB BASE COURSE BACKFILL SLOPE 1/8"/FT. EITHER DIRECTION *DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES CONDUIT, PITCH TO DRAIN WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652,2,2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REIN-STALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

POLY ROPE OR A PULL WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

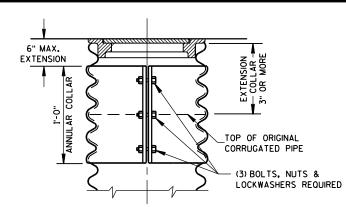
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Balu Ananthanarayanan 10/23/03 STATE ELECTRICAL ENGINEER FOR HWYS

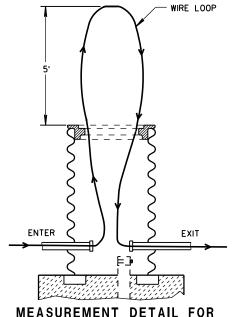
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- * THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.
- NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL



CORRUGATED PIPE EXTENDER

HEAVY DUTY FRAME -

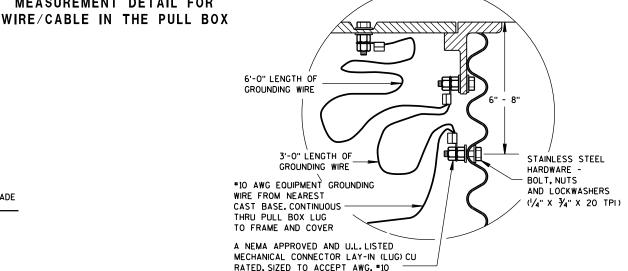


ALTERNATE COVER (LOCKING)

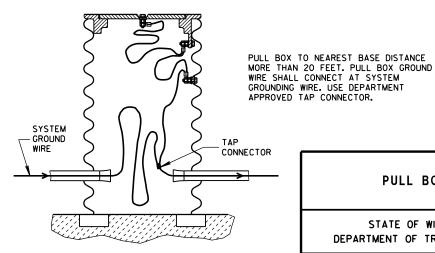
SECTION

воттом

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



EQUIPMENT GROUNDING LUG AND

LOCATION IN STEEL PULL BOXES

TO #4 COPPER STRANDED WIRE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

FHWA

2-7-2013 /S/ Ahmet Demirbilek DATE STATE ELECTRICAL ENGINEER

PULL BOX

TO THE PULL BOX BID PRICE.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED

GROUNDING LUGS ARE NOT REQUIRED IN PULL BOXES WHEN VOLTAGES OF LESS THAN 50 VOLTS AC ARE THE ONLY VOLTAGES ENCOUNTERED IN THE BOXES.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED. SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

S.D.D. 9B2. "CONDUIT". APPLIES TO THIS DRAWING.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

AND COVER ELECTRIC WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE FINAL GRADE ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED CUT OPENINGS AS REQUIRED IN THE FIELD 6" MIN. ALL CONDUIT PITCHED (TYP.) TO DRAIN TO PULL BOXES 4 TO 8 BRICKS **EQUALLY SPACED** 2" DRAIN DUCT TO DITCH OR SEWER NO. 2 COARSE WHEN SPECIFIED AGGREGATE 2" PVC PIPE CAP ON BOTH ENDS (SEE SECTION 501 WITH 7,8 1/4" HOLES DRILLED OF THE STANDARD IN EACH END. SPECIFICATIONS) INSTALL END BELLS (U.L. LISTED FOR ELECTRICAL USE) ON ALL NONMETALLIC CONDUIT BEFORE INSTALLATION OF WIRE AND/OR CABLE.

PULL BOX

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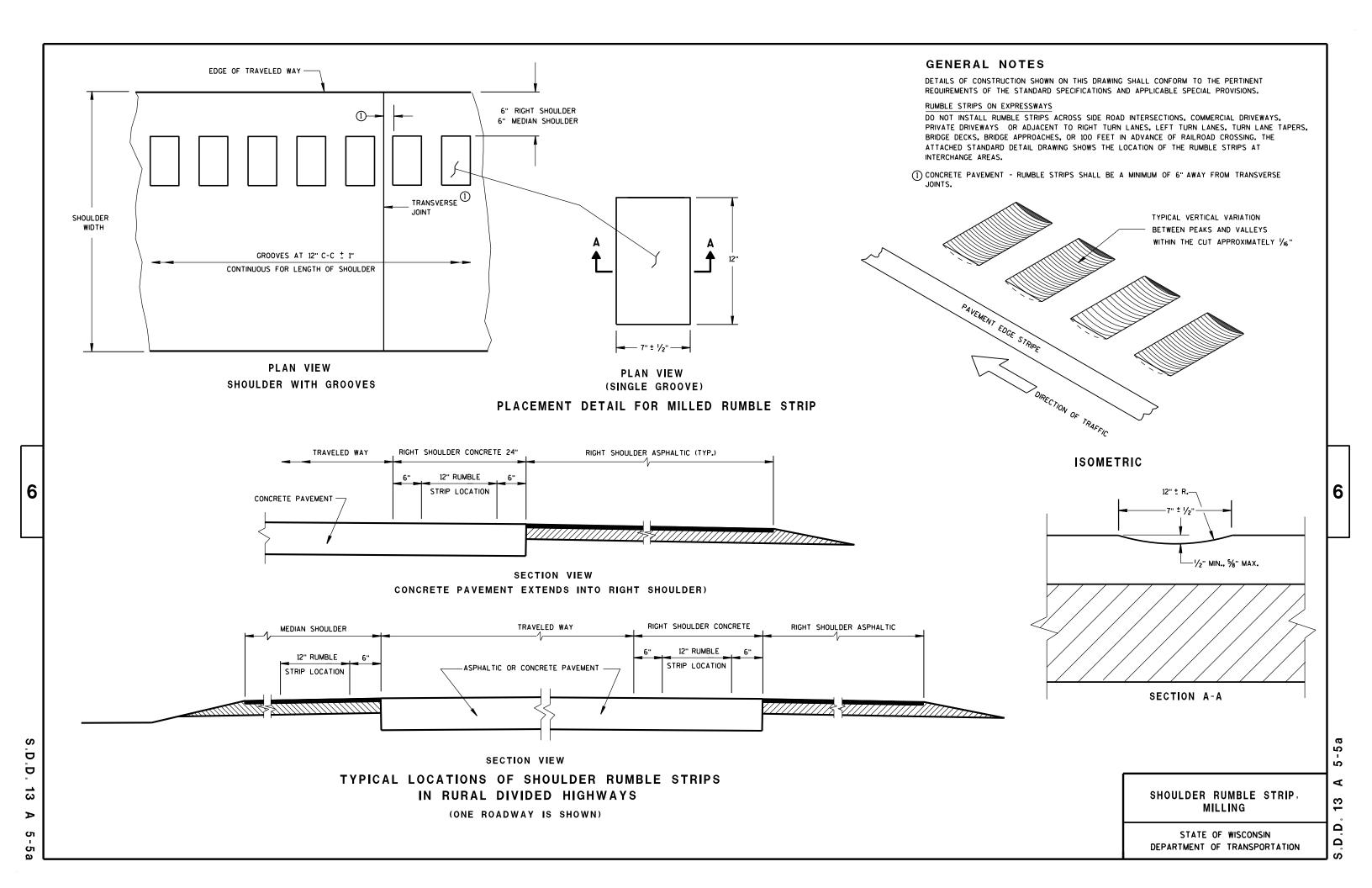
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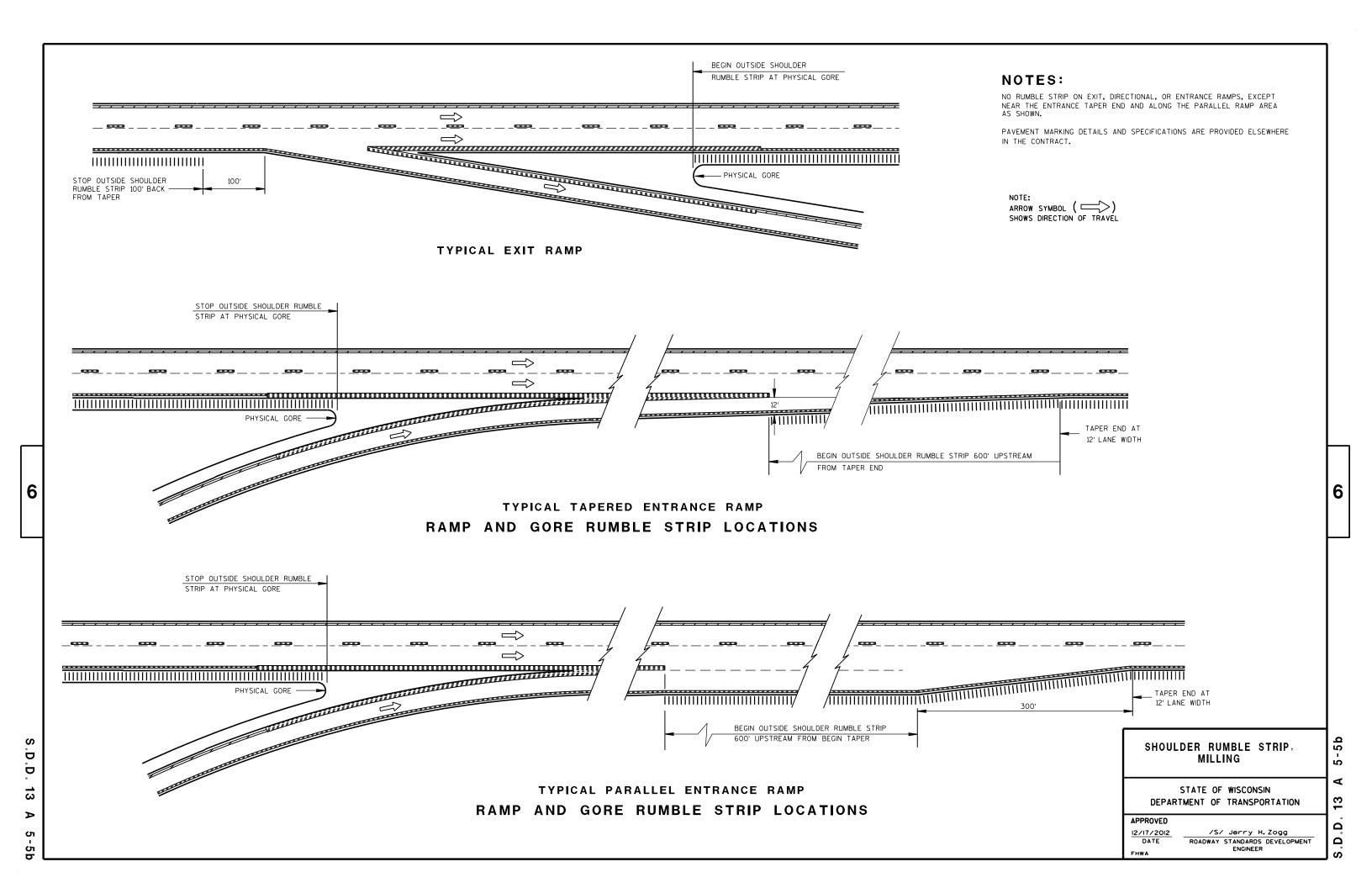
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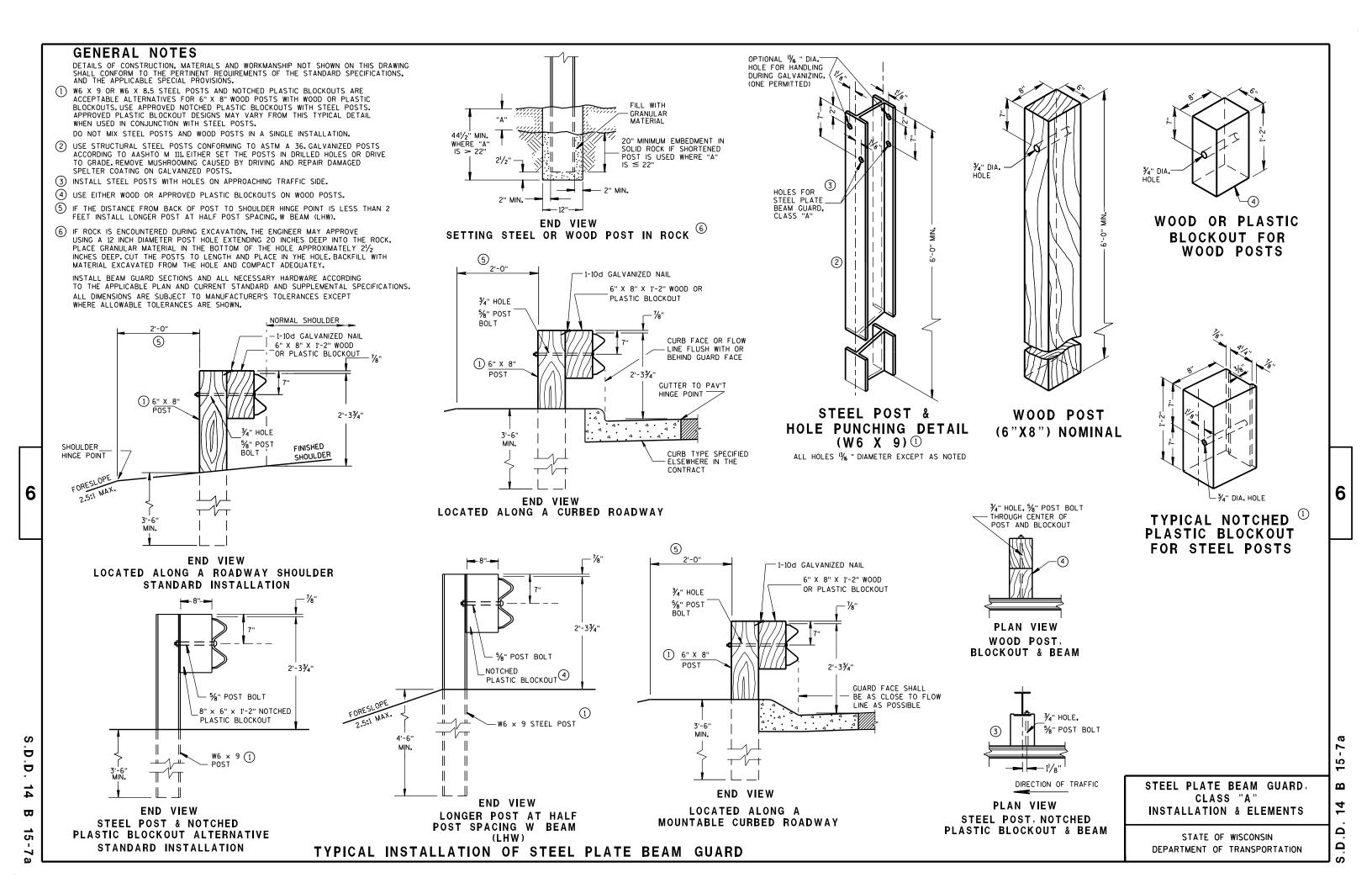
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POST SPACING STANDARD INSTALLATION

SECTION THRU W BEAM

7/8" 2" 41/4" 41/4" 2"

WOOD OR PLASTIC BLOCKOUT

FINISHED SHOULDER

DIRECTION OF TRAFFIC

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

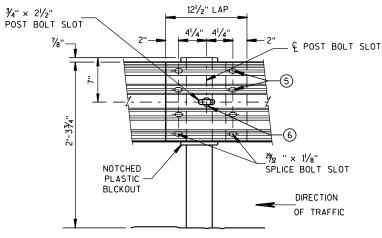
GENERAL NOTES

- 1 PROVIDE TYPE "H" SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH TYPE "H" YELLOW REFLECTIVE SHEETING.
- ② DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- (3) REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
- (4) PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.
- (5) 8 % " ϕ X 2 " BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
- (6) 5%" ♦ X 1'-6" BUTTON HEAD BOLT AND AND RECESS NUT WITH ROUND WASHER UNDER NUT.

12'-6" OR 25'-0" EFFECTIVE LENGTH OF BEAM 3'-1¹/₂" C-C 3'-1¹/₂" C-C 3'-1<mark>'/</mark>2" C-C 3'-11/2" C-C POST POST POST SPACING **SPACING** SPACING SPACING FINISHED DIRECTION OF SHOULDER TRAFFIC

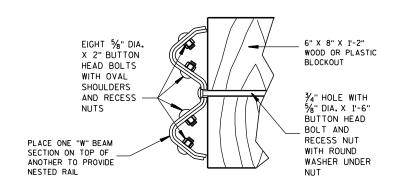
FRONT VIEW

POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW
BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD

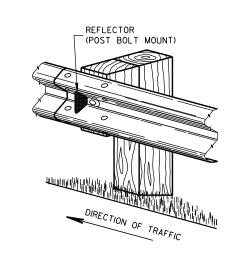


NESTED W BEAM (NW)

USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

	(2
RFFI FCTOR	SPACING

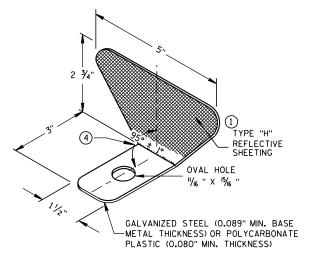
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	BEAM GUARD	REFLECTOR	NO. SURFACES	MIN. NO.
	LENGTH	SPACING	REFLECTORIZED	REFLECTORS
ONE WAY	< 200'	50' C-C	1	3
TRAFFIC	> 200'	100, C-C	1	
TWO WAY	< 200'	25' C-C	1(3)	6
TRAFFIC	> 200'	50' C-C	1 🔍	
TWO WAY	< 200'	50' C-C	2(4)	3
TRAFFIC	> 200'	100' C-C	2 4	



SYMMETRICAL

∕-12 GAGE

TABOUT €



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION $\stackrel{\sim}{}$

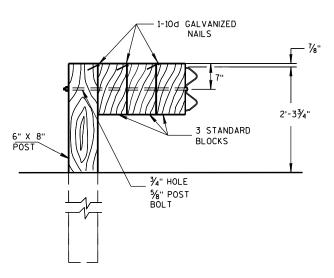
STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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D.D. 14

- 1-10d GALVANIZED NAILS

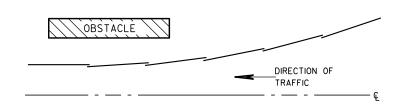


DETAIL FOR TRIPLE BLOCKS

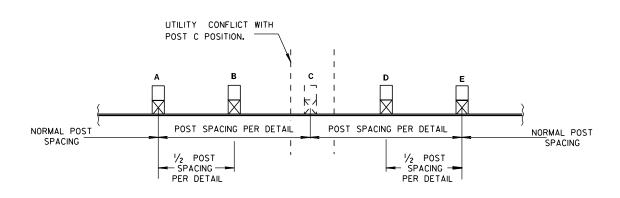
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA 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.



PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/23/II /S/ Je

DATE ROADWAY STA

/S/ Jerry H. Zogg

ROADWAY STANDARDS DEVELOPMENT ENGINEER

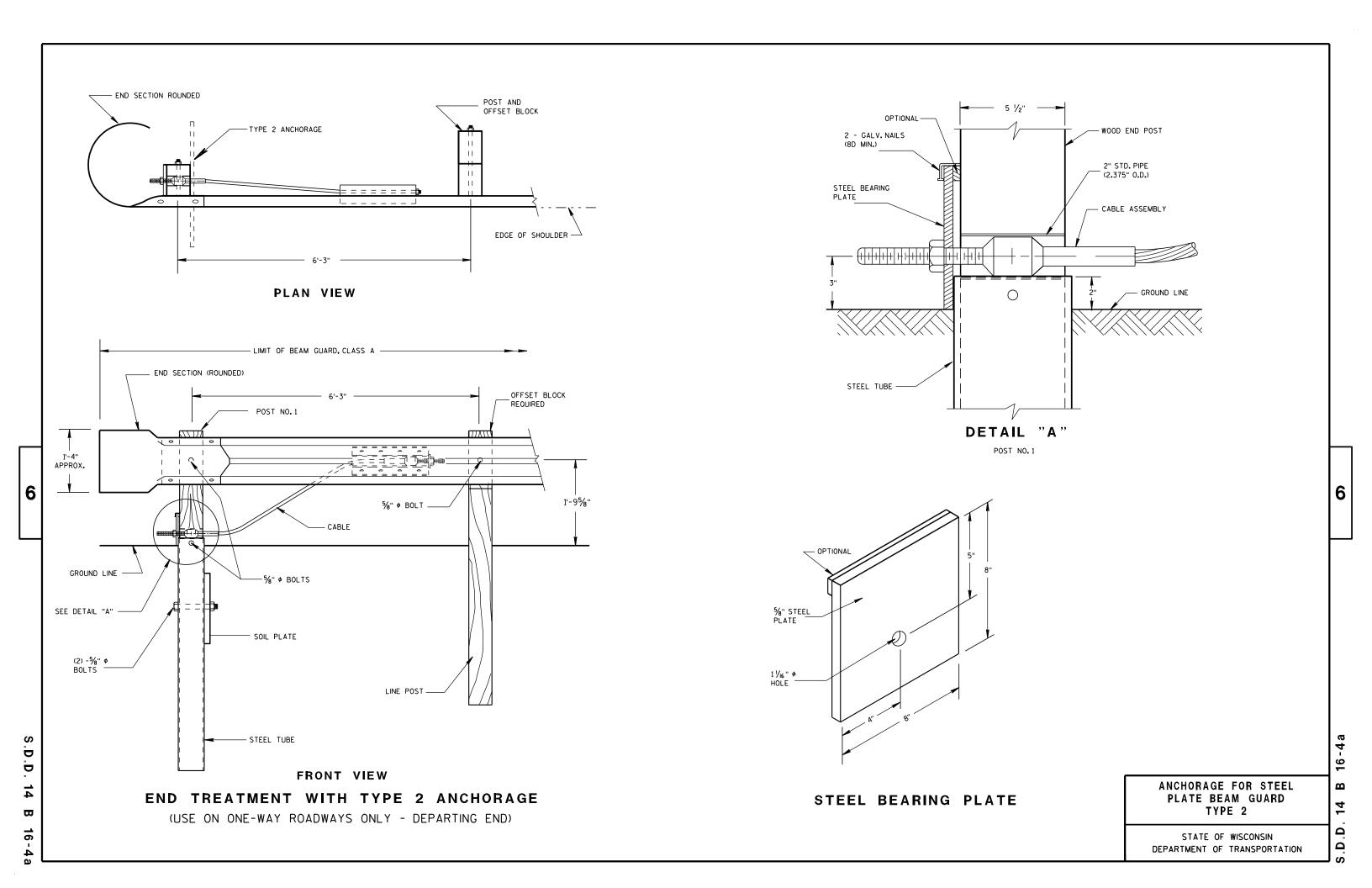
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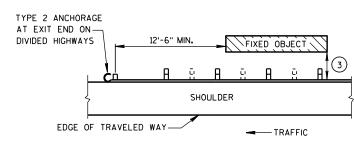
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BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

GENERAL NOTES

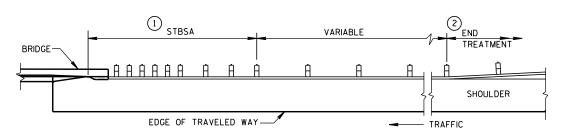
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

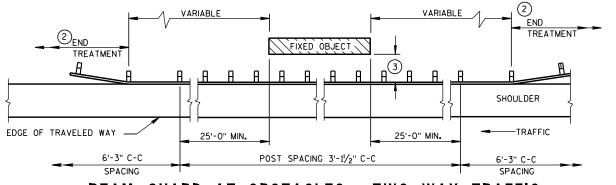
THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

- (1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) SEE CURRENT SDD 14B20.
- 2 USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

3)	MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
	3'-6"	3' - 11/2"
	4'-6"	6' - 3"

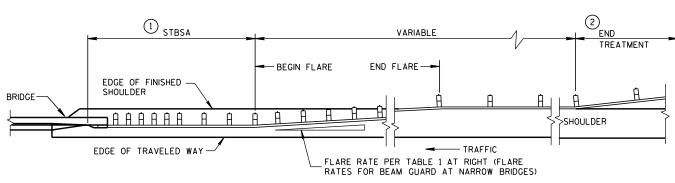


BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")



BEAM GUARD AT NARROW BRIDGES (FLARED TO SHOULDER EDGE, THEN PARALLEL TO ROADWAY)

TABLE 1
FLARE RATES FOR BEAM
GUARD AT NARROW BRIDGES

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

STEEL PLATE BEAM GUARD CLASS "A" AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
8-21-07	/S/ Jerry H.Zogg
DATE	ROADWAY STANDARDS DEVELOPMENT
FHWA	ENGINEER

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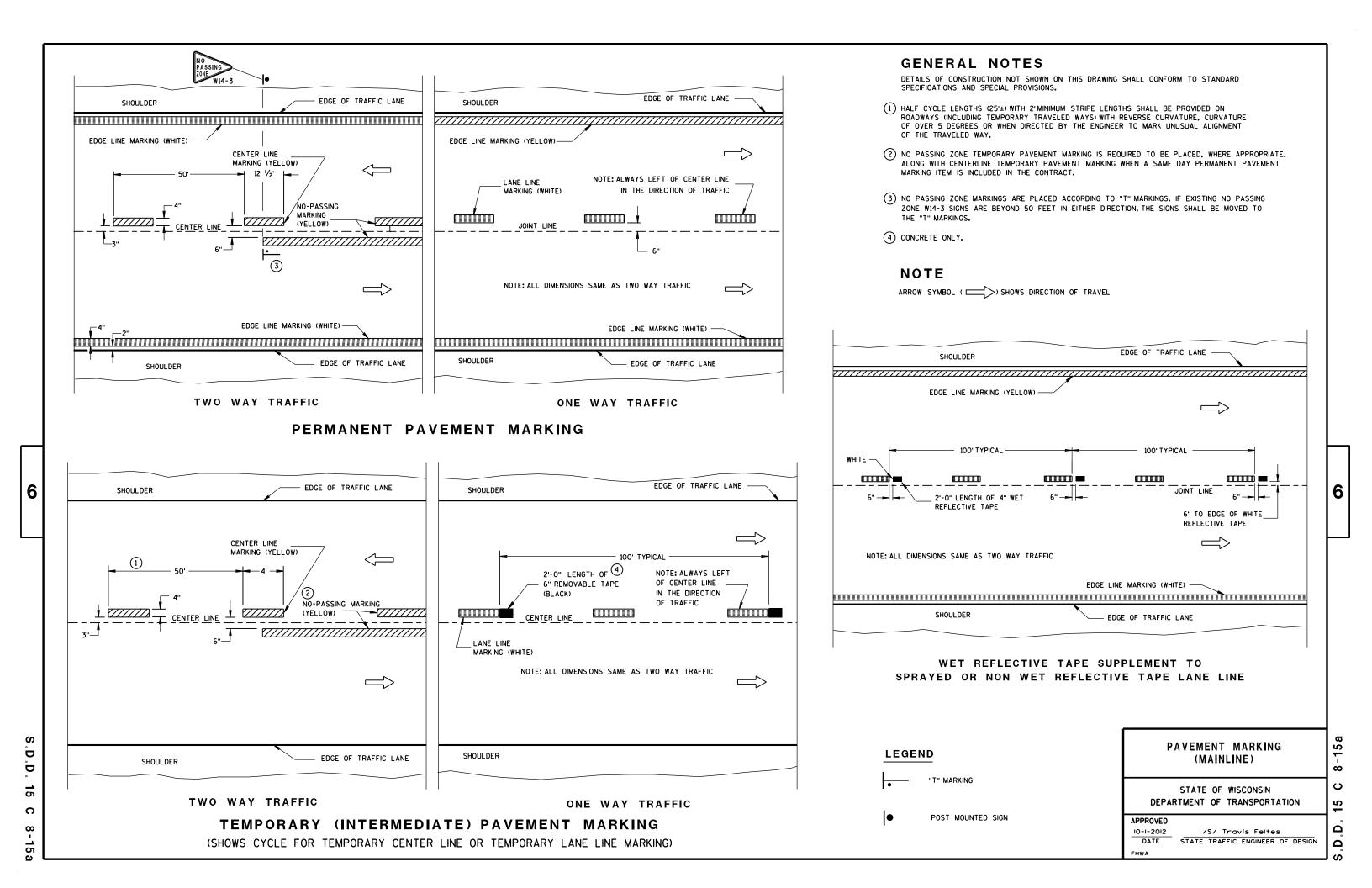
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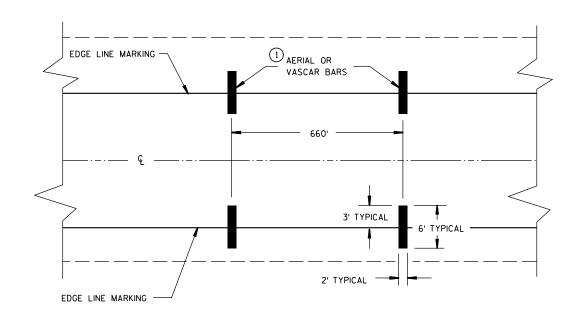
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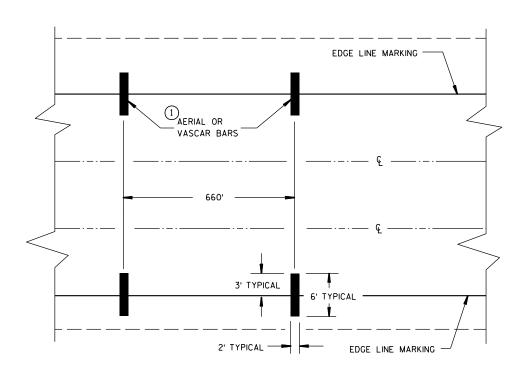
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1) NUMBER OF VASCAR OR AERIAL BARS SHALL BE A MINIMUM OF 2 OR A MAXIMUM OF 5 AT 660' SPACING.

A CAR CAN BE PROVIDED BY THE WISCONSIN STATE PATROL FOR TRAFFIC CONTROL.





TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC

TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ပ

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APPROVED

4/23/01 DATE /S/ Chester J. Spang CHIEF SIGNS AND MARKING ENGINEER

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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.

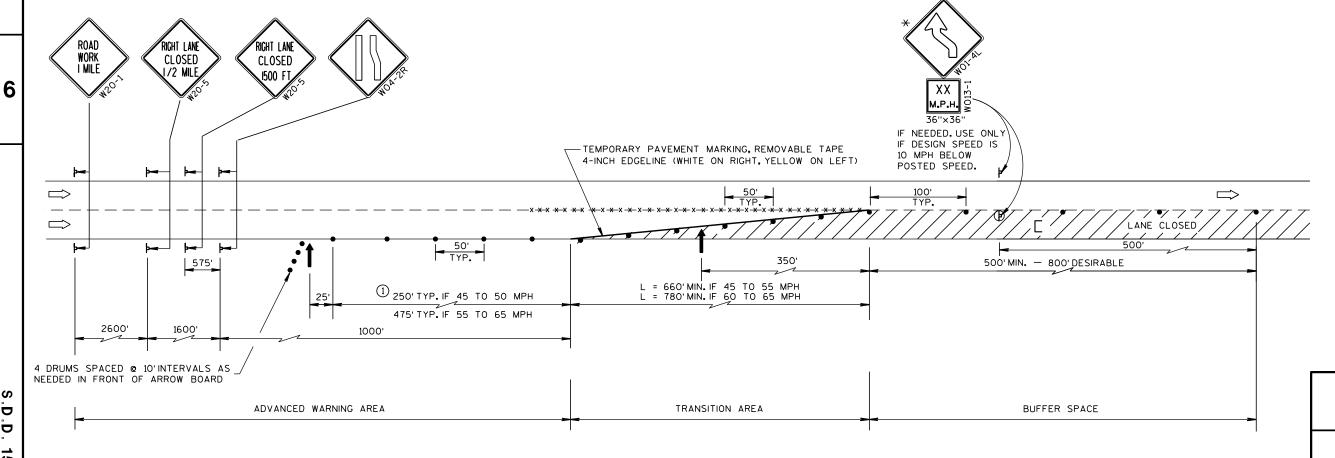
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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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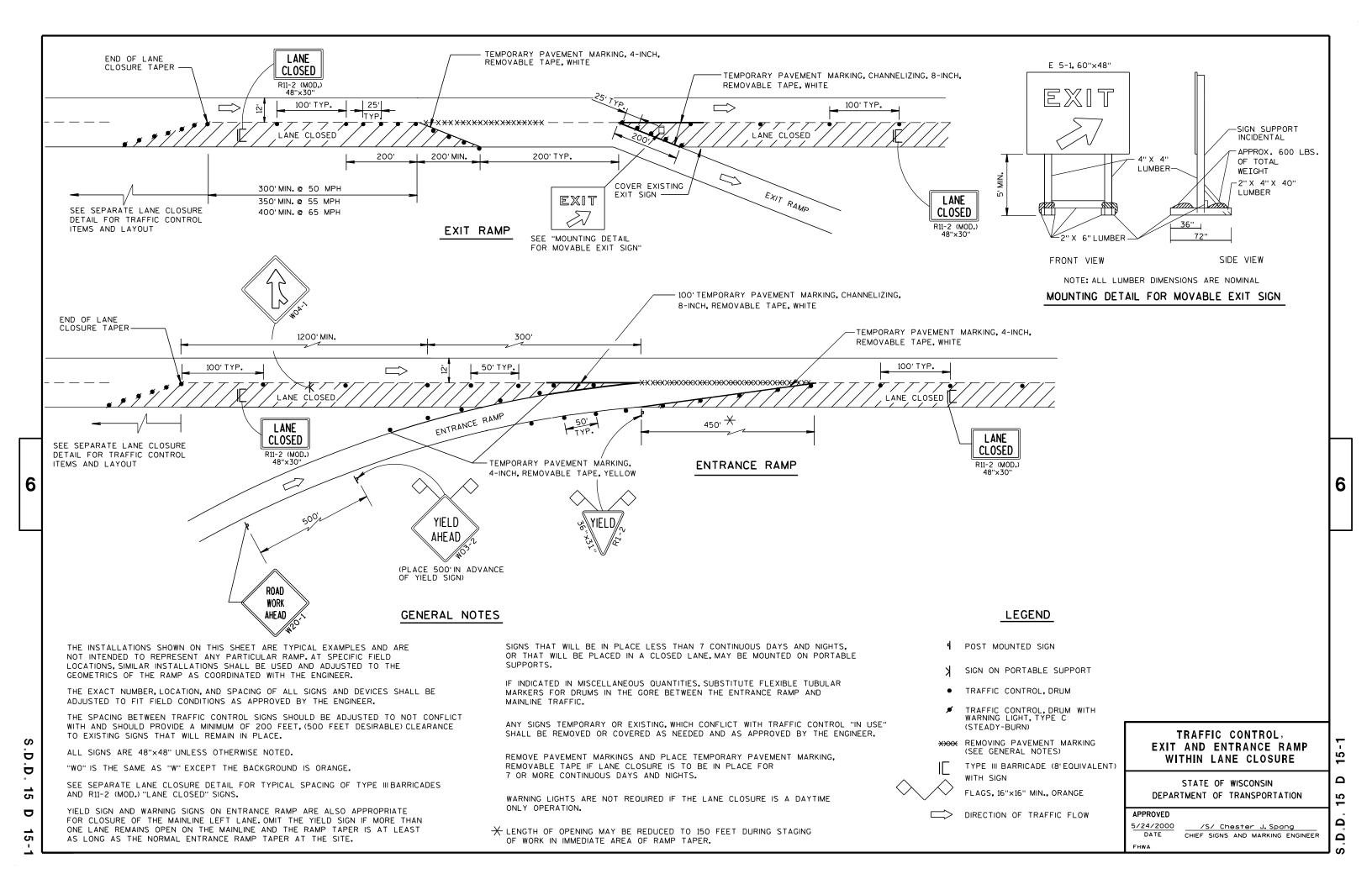
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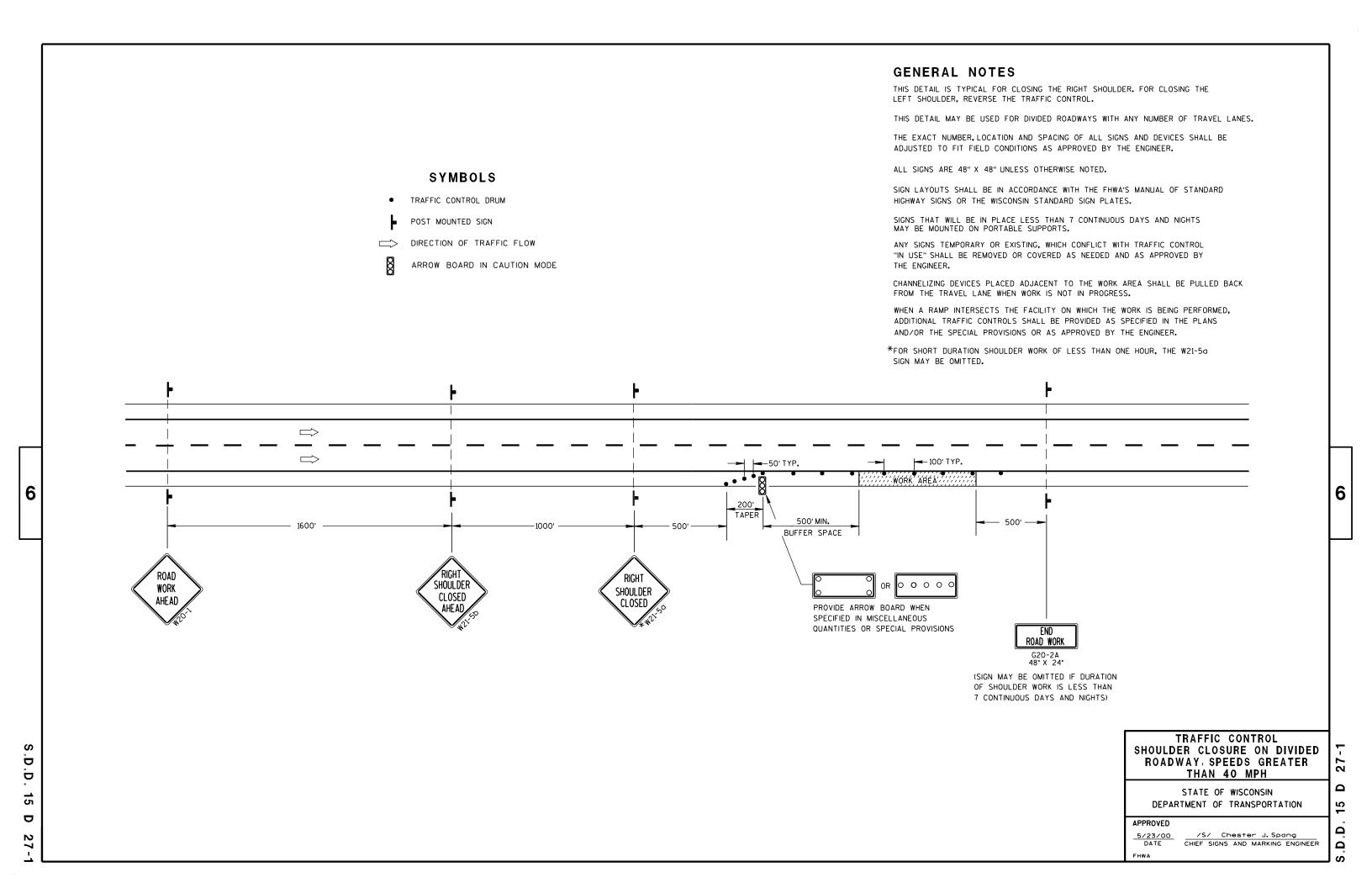
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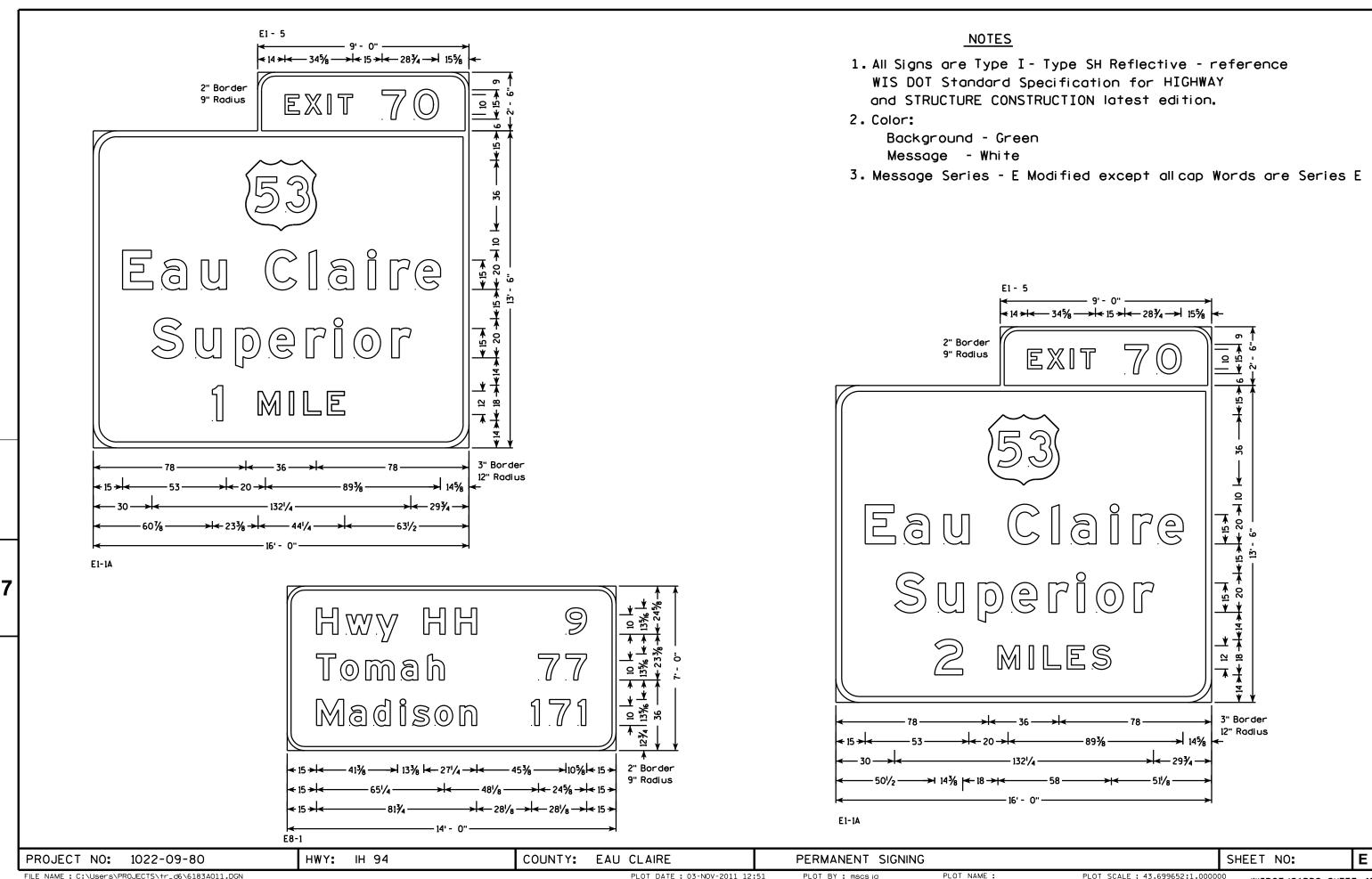
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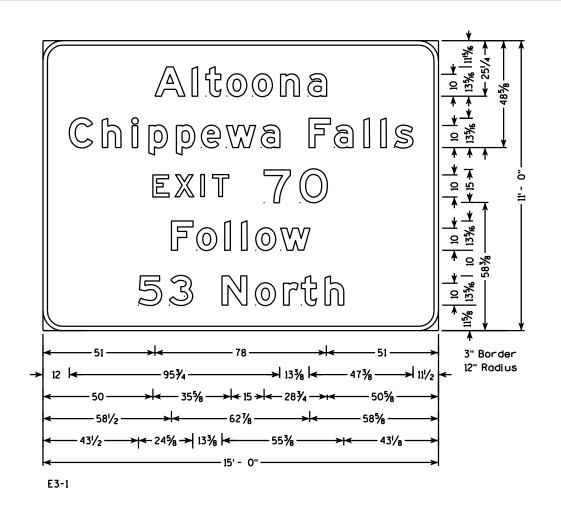
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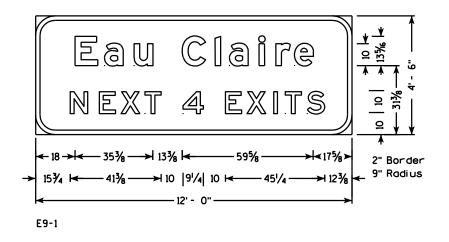
PLOT DATE: 03-NOV-2011 12:51

PLOT BY: mscsja

PLOT SCALE: 43.699652:1.000000

WISDOT/CADDS SHEET 42





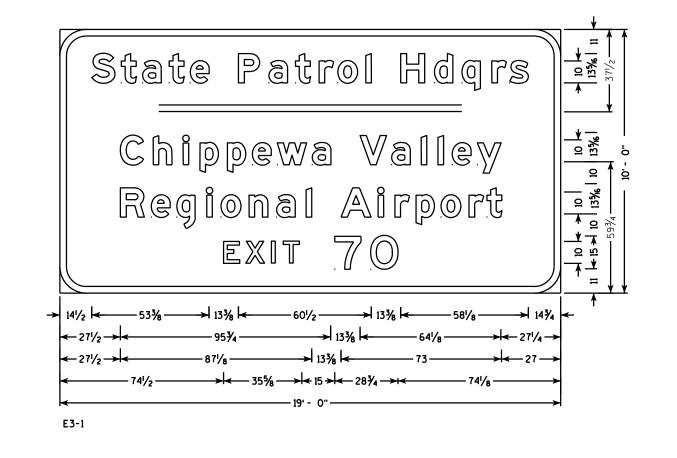
HWY: IH 94

NOTES

- 1. All Signs are Type I Type SH Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Green Message - White

3. Message Series - E Modified except all cap Words are Series E



FILE NAME : C:\Users\PROJECTS\tr_d6\6183A011.DGN

PROJECT NO: 1022-09-80

PLOT DATE: 03-NOV-2011 12:52

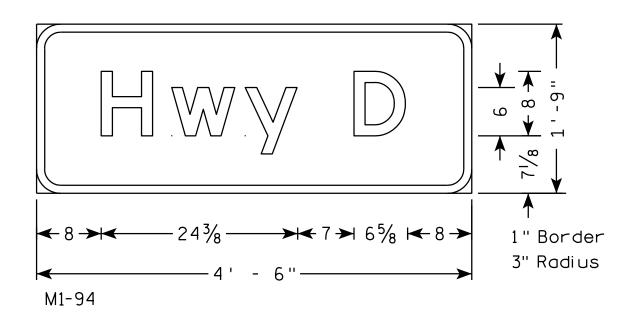
COUNTY: EAU CLAIRE

PERMANENT SIGNING
PLOT BY: mscs.ja

PLOT NAME :

PLOT SCALE : 43.699652:1.000000

SHEET NO:

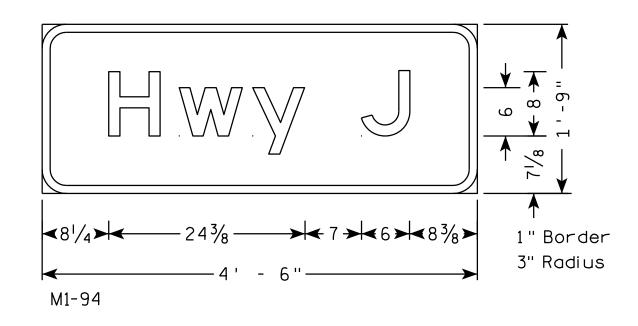


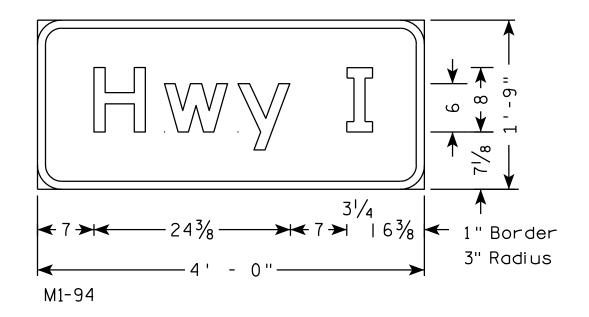
<u>NOTES</u>

- 1. All Signs Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - GREEN Message - WHITE

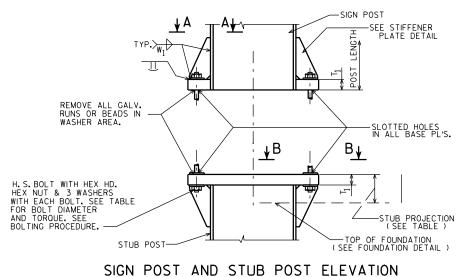
3. Message Series - E

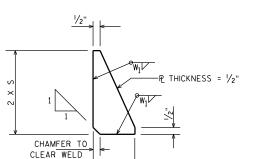




PROJECT NO: 1022-09-80 HWY: IH 94 COUNTY: EAU CLAIRE PERMANENT SIGNING SHEET NO: **E**

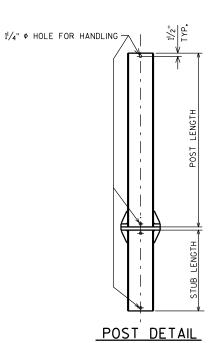
FILE NAME: C:\Users\PROJECTS\tr_d6\6183A011.DGN PLOT DATE: 03-NOV-2011 12:54 PLOT BY: mscsja PLOT NAME:



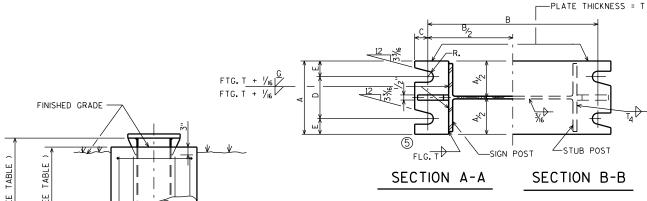


STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS)







SHAFT LENGTH (SEE -1'-0 MIN. LAP 8 #3 BARS #4 HOOPS @ 1'-0 SPA. SECTION

74 STUB POST 985 SHAFT PLACEMENT

DESIGN DATA

WIND PRESSURE = 75 M.P.H. WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0 ICE LOAD = 3 P.S.F. PERCENT OF ALLOWABLE STRESS

1. DEAD 2. DEAD & WIND 3. DEAD, ICE & 1/2 WIND 140

425 P.S.F. MIN. ALLOWABLE SOIL PRESSURE = 11/2T / SO.FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.

ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50.

THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.

H.S. BOLTS, WASHERS & NUTS SHALL BE A325 GALVANIZED WHEN POSTS, POST STUBS AND ATTACHMENTS ARE A709 GRADE 50 AND GALVANIZED.

BOLTING PROCEDURE - BASE CONNECTION

1. ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.

APPROVED

DATE 4/26/11

- 2. SHIM AS REQ'D. TO PLUMB POST.
- 3. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
- 4. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

TIGHTEN THE HIGH STRENGTH BOLTS TO THE TOROUE SHOWN.

<u>DO NOT OVERTIGHTEN.</u>

WISCONSIN DEPT OF TRANSPORTATION

(9) 4-26-11 REMOVE NON-GALVANIZED

8-24-87 BASE CONN. WELD

5-4-78 | T₁ , T₂ & W₁

TYPE A, B, C, D, & E

FTG. & SIGN SUPPORT

DETAILS

GROUND MOUNT

BREAK-AWAY SIGNS

DATE

8 10-30-96 NOT GALVANIZED/GALVANIZED

(7) 10-30-92 QUANT., A588 EXCEPT., ADD SLOT VIEW

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DRAWN BY JPH

SHEET

10-13-81 BASE CONN. WELD & FUSE P WASHERS (4) 10-19-79 POST A & B, A572 GR. 50, & K 11-28-78 "K" (3)4-23-79 TYPE "E"

PLATE NO. A3-1.13

SHIM DETAIL

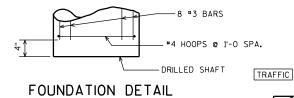
FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO

A.S.T. M.- B36.

HWY:

		QUANT	ITIES FC	R 1 FOOTIN	G
		CONC. MASONRY	C.Y.	REINF. STEEL	LBS.
	Α	0.6		34	
	В	0.8		49	
	U	0.9		50	
	۵	0.9		56	
7	E	1.0		62	

		TYPE	#3	#4
		Α	8 @ 4'-5	5 @ 6'-3
		В	8 @ 6'-5	7 @ 6'-3
	REINF.	С	8 @ 6'-11	7 @ 6'-3
	~	D	8 @ 7'-5	8 @ 6'-3
(7)		Ē	8 @ 7'-11	9 @ 6'-3



SLOTS IN POST AND STUB POST TO LINE UP. POST POST TRAFFIC POST ON THE LEFT

POST ON THE RIGHT POST SLOT ORIENTATION

																		(6)	
			BASE CONNECTION DATA TABLE					FOUNDATION	DATA		2								
	TYPE	DIMENSION POST SIZE	BOLT SIZE & TORQUE	А	В	С	D	Е	т1	T ₄	w ₁	R	S	STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	К	
4	Α	W10"X12.0 #/FT.	¾" ¢ @ 75#-FT.	51/4"	1'-03/8	½"	31/2"	7/8'	1"	3/6"	5/16"	13/32 ''	21/8"	3'-6	3"	2'-0 ø	5'-0	76.0#	4
<u>(4)</u>	В	W12"X16.0 #/FT.	½" Φ @ 85#-FT.	51/2"	1'-41/4	1"	31/2"	1"	11/4"	1/4"	5/6"	15/32 ''	3"	5'-6	3"	2'-0 ø	7'-0	146.5#	4
	С	W12"X19.0 #/FT.	½" ¢ @ 85#-FT.	51/2"	1'-41/4	1"	31/2"	1"	11/2"	5/16"	5⁄16 "	15/32 "	3"	6'-0	3"	2'-0 ø	7'-6	182.1#	Ĭ
	D	W12"X22.0 #/FT.	½" φ @ 85#-FT.	51/2"	1'-41/4	1''	31/2"	1"	11/2"	3/8"	5/16"	15/32 "	3"	6'-6	3"	2'-0 ø	8'-0	210.5#	
3	E	W12"X26.0 #/FT.	1" ¢ @ 90#-FT.	7"	1'-41/4	11/4"	4"	11/2"	11/2"	3/8"	5/16 "	17/32 ''	3''	7'-0	3"	2'-0 φ	8'-6	293.0#	3
									1	6	1							•	

STRUCTURAL CARBON STEEL PAY WTS. (1POST) = K+ (POST LENGTH X POST WT.) "K" INCLUDES STUB, BASE PLATES, STIFFS., BOLTS, AND WASHERS.

Ε SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\A31.DGN

PROJECT NO:

PLOT DATE: 26-APR-2011 14:07

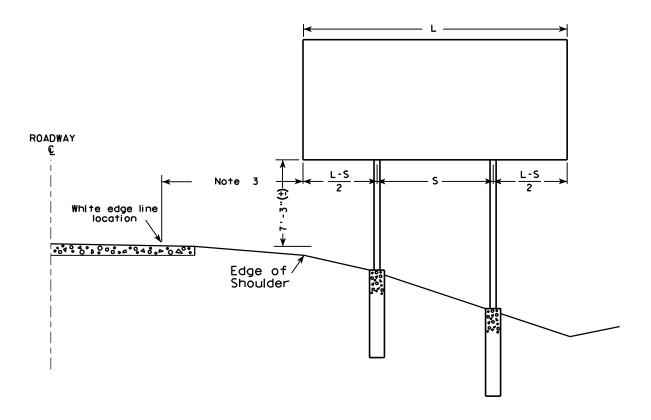
PLOT NAME:

PLOT SCALE: 87399.319456:1.000000 WISDOT/CADDS SHEET 42

2011

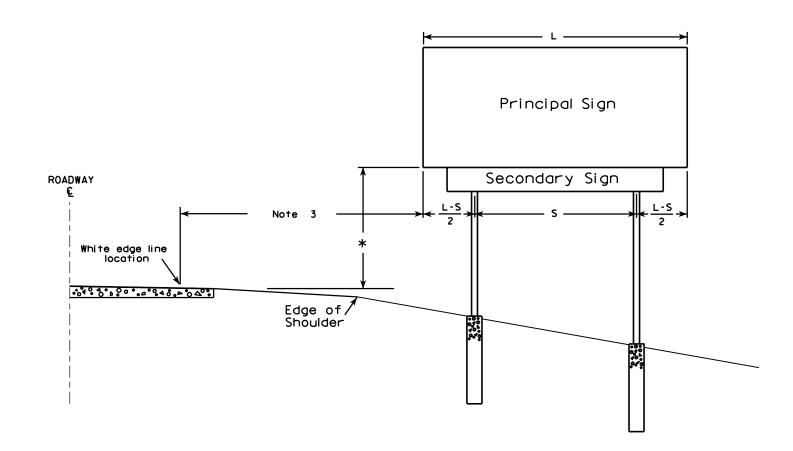
PLOT BY: msc i9h

COUNTY:



GENERAL NOTES

- 1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
- 2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
- 3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
- 4. The (+) tolerance shown on this sheet is 3 in.
- 5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
- 6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
- 7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.



* Clearance is $8'-3''(\pm)$ when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be $5'-3''(\pm)$.

> TYPICAL INSTALLATION OF TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED for State Traffic Engineer PLATE NO. <u>A4-1.9</u>

DATE 4/02/08

SHEET NO:

PROJECT NO:

PLOT DATE: 02-APR-2008 15:49

PLOT BY : ditjph



URBAN AREA

** Curb Flowline

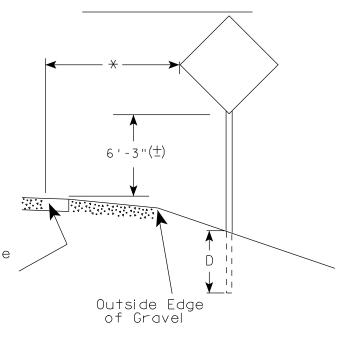
2' Min - 4' Max (See Note 6)

7'-3"(士)

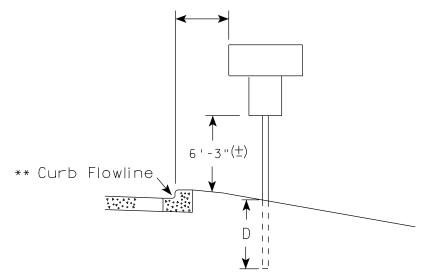
 \Box

White Edgeline Location

RURAL ARFA (See Note 2)



2' Min - 4' Max (See Note 6)



5′-3"(生) White Edgeline D 11 Location Outside Edge of Gravel

 $\star\star$ The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway

or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

HWY:

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of aravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

- 1. Signs wider than 4 feet or larger than 20 sq.ft. shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is 7'- 3" (+) or 6'-3" (+) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A4-5) is 7'-3'' (+) or 6'-3'' (+) per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3" (+).
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (+) or as directed by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (+). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B). Enhanced Reference Markers. Clearance Markers (W5-52), Mile Markers (D10 series) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (+).

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
(Sq. Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Raud For State Traffic Engineer

DATE 5/24/2013 PLATE NO. <u>A4-3.17</u>

SHEET NO:

PROJECT NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43.DGN COUNTY:

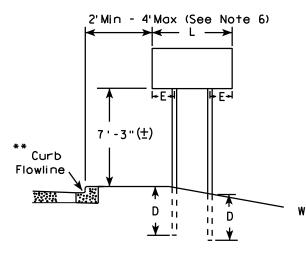
PLOT NAME :

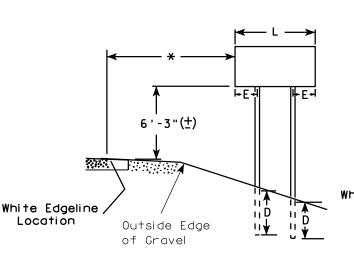
PLOT SCALE: 101.222696:1.000000

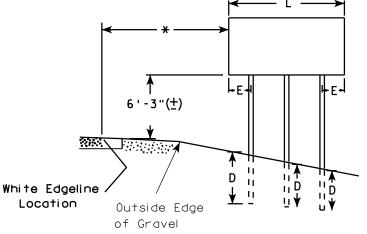
WISDOT/CADDS SHEET 42

URBAN AREA

RURAL AREA (See Note 3)







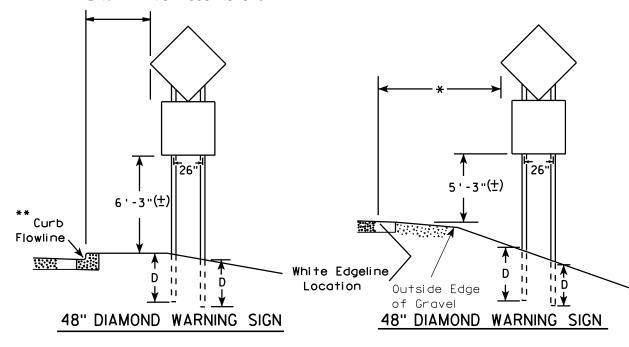


Ε

12"

L/5

HWY:



SIGN SHAPE OTHER THAN (THREE POSTS REOUIF	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN (FOUR POSTS REQUIRE	
L	E
168" and greater	12"

PLOT DATE: 21-SEP-2011 13:36

GENERAL NOTES

- 1. For multiple post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3.For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- *** See A4-3 sign plate for signs 4' or less in width or 20 S.F. or less in area.

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

/ anner

For State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-4.11

PROJECT NO:

Greater than 48"

Less than 60"

60" to 120"

* * *

COUNTY:

NIY:

PLOT BY : mscs id PLOT NAME :

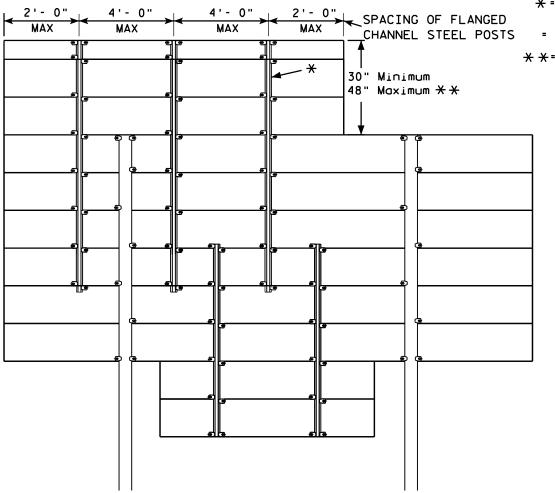
PLOT SCALE: 109.249131:1.000000

APPROVED

WISDOT/CADDS SHEET 42

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)

GROUND MOUNTED SIGN



* =2.00 lb/ft FLANGED CHANNEL. MIN. YIELD STRENGTH CHANNEL STEEL POSTS = 60.000 PSI (GRADE 60) GALVANIZED

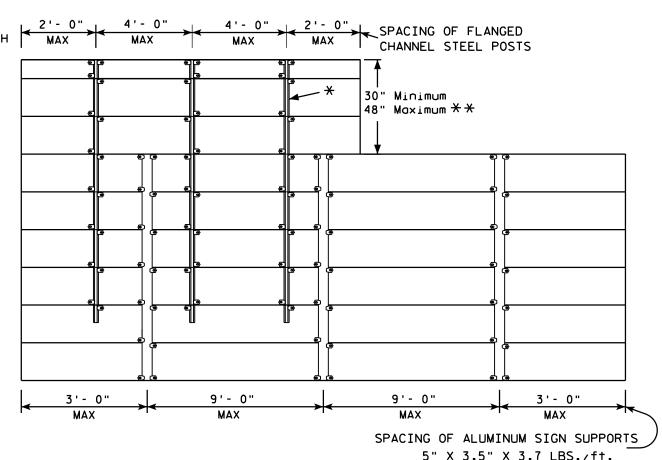
> * *= FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES. ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

> > FLANGE CHANNEL DETAIL

NOT TO SCALE

/₈ —₄ | ← 1 /₄ → |

SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

- 1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
- 2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.

- 3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
- 4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel. stitch bolts shall be used in addition to the channels.
- 5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 6/7/10

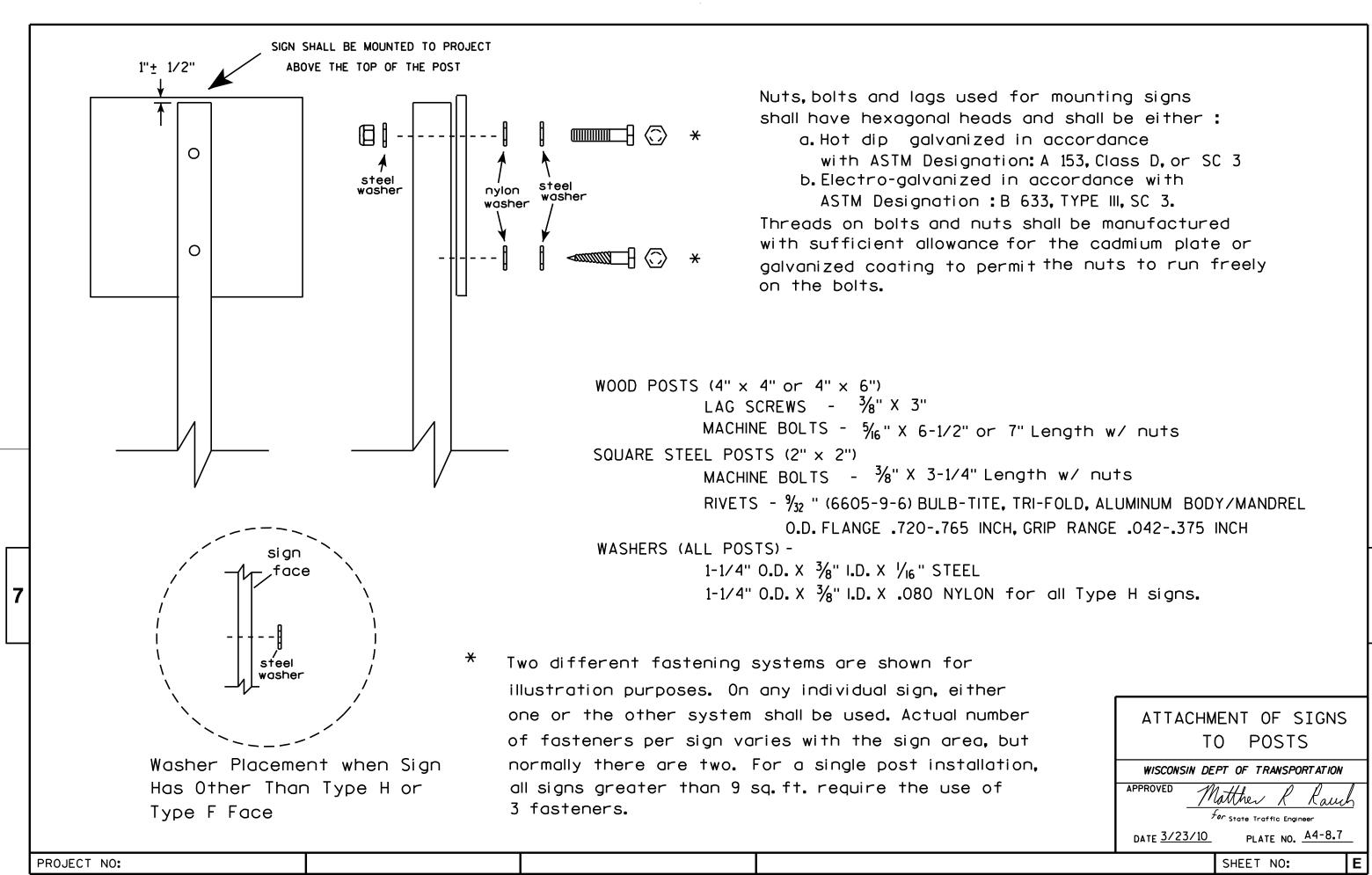
SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\A46.DGN

PROJECT NO:

PLOT DATE: 07-JUN-2010 13:37

PLOT BY: ditjph

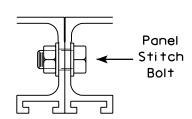


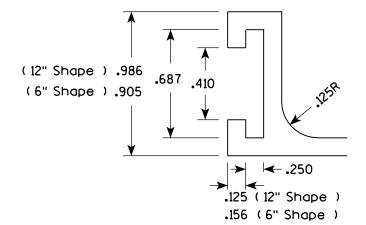
STITCH BOLT, WASHER & NUT

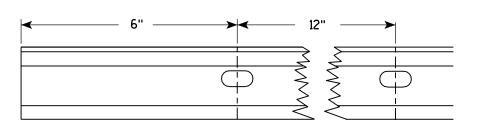
The hardware includes:

3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy 3/8 " - Stainless steel stop nut

3/8" X .064 Flat Washers, Alclad 2024-T4 alloy







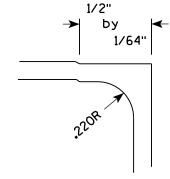
.078

← 2" →

6" Extrusion Minimum Weight 1.1 lb./ft.

←.125

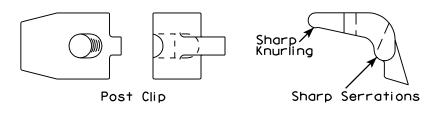
Punch $7/16" \times 7/8"$ oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

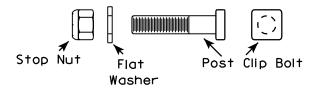


PLOT BY : DOTDZK

POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

- 1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
- 2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
- 3. Post Clips shall be used to attach the sign panel to the sign support.

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Les to J Spany

for State Traffic Engineer

DATE 11/18/99

PLATE NO. 45-2.9

SHEET NO:

PROJECT NO:

PLOT DATE: 28-SEP-2005 07:20

12" Extrusion

Minimum Weight

2.45 lb./ft.

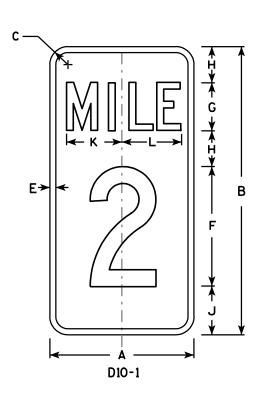
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

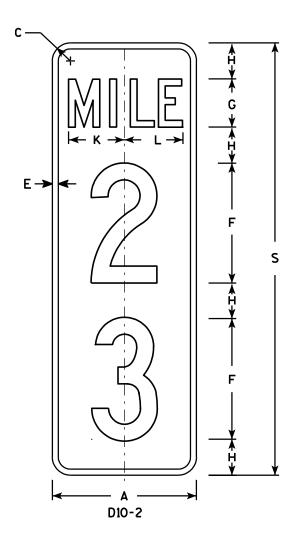
2. Color:

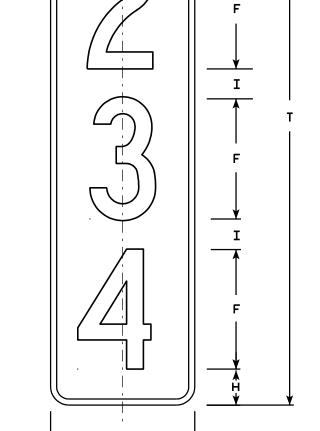
Background - Green

Message - White - Type H Reflective

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- Optically adjust numerals about the centerline of the sign to achieve proper balance.







D10-3

Metric equivalent for this sign is:

	11113 31911 13.
PHY. SIZE	
12 X 24	300 mm X 600 mm
12 X 36	300 mm X 900 mm
12 X 48	300 mm X 1200 mm

		•				•																				
SIZE	Α	В	С	D	Е	F	O	Н	I	J	K	L	М	N	0	Р	0	R	S	T	C	٧	W	X	Y	Z
1																										
2																										
3																										
4	12	24	1 1/2		1/2	10	4	3	2 1/2	4	4 5/8	4 1/8		·					36	48						
5	12	24	1 1/2		1/2	10	4	3	2 1/2	4	4 %	4 1/8							36	48						
														,						_						

STANDARD SIGN D10-1 , D10-2 & D10-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J Spany
for Director, Office of Traffic

DATE 1/16/02 PLATE NO. D10-3.2

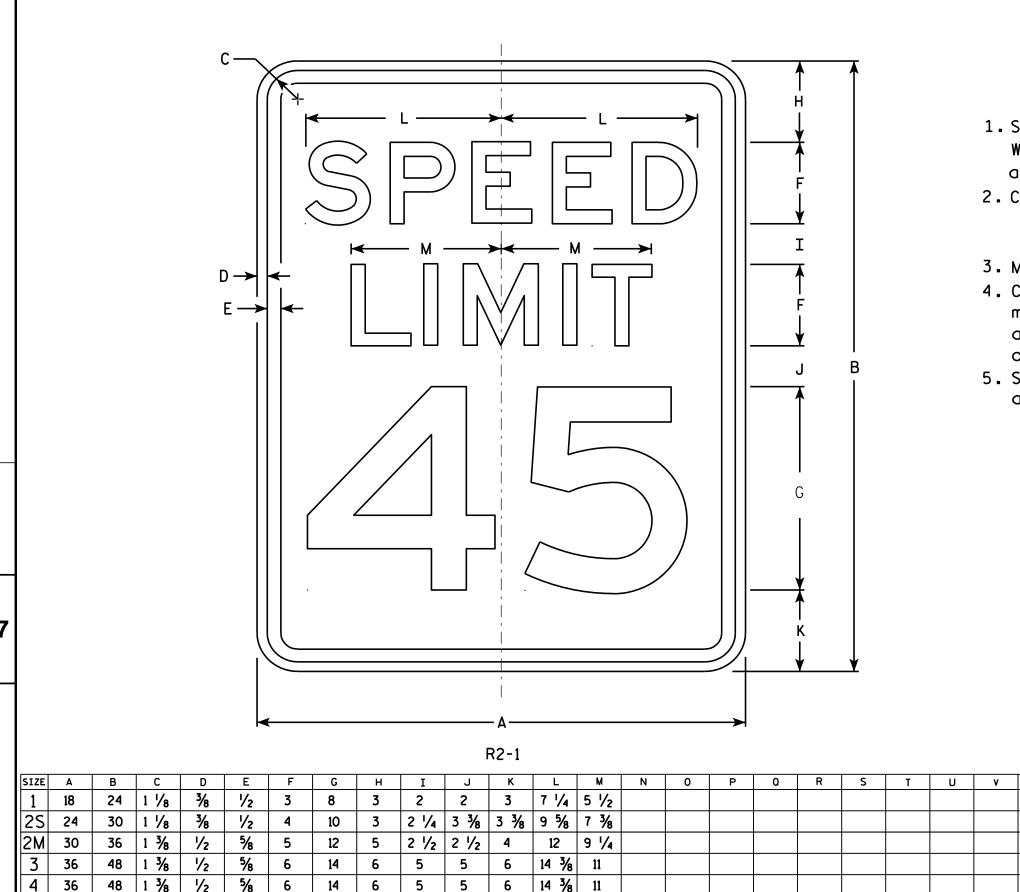
SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\D103.DGN

PROJECT NO:

PLOT DATE: 28-SEP-2005 08:20

PLOT BY : DOTDZK



4 1/2 6 3/4 6 3/4 19 1/4 14 5/8

COUNTY:

20

HWY:

6

NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series E
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal. the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION APPROVED

Matther R Raus For State Traffic Engineer PLATE NO. R2-1.13

DATE <u>5/26/1</u>0

SHEET NO:

2 1/4

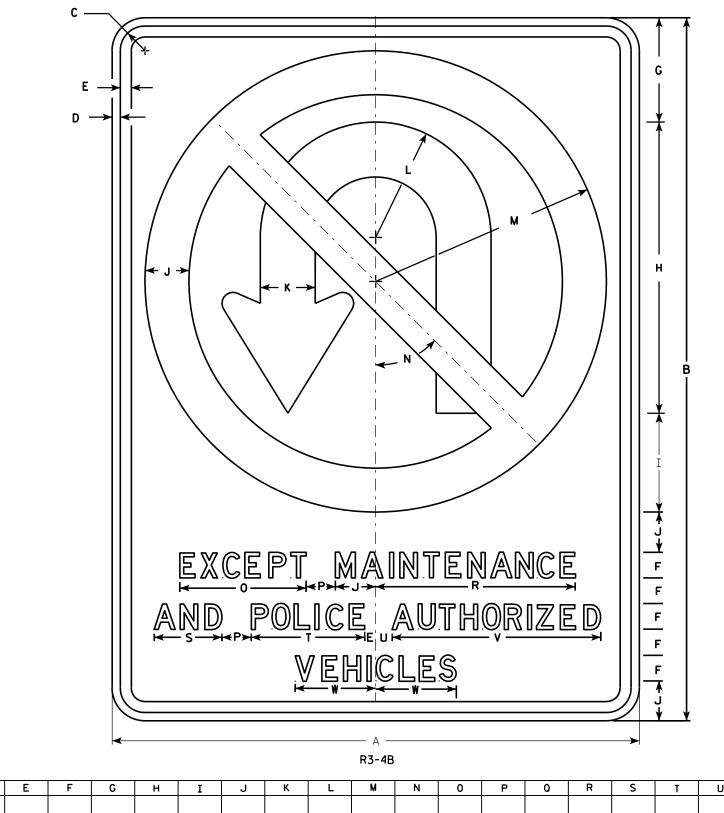
60

5

48

PROJECT NO:

PLOT NAME :

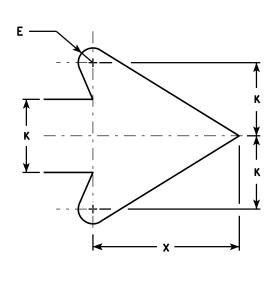


NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

													R3-4B	1													
SIZE	A	В	С	D	Е	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Areg sq. ft.
1																											
2S																											
2M																											
3																											
4	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 1/8	6 3/4	2 3/4	3 3/4	7 1/8	15 3/4	45°	8 %	2		13 %	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0
5	36	48	1 5/8	5/8	₹4	1 3/4	7 1/8	19 1/8	6 3/4	2 3/4	3 3/4	7 1/8	15 3/4	45°	8 %	2		13 %	4 %	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0
						•								•							•		•				

COUNTY:

STANDARD SIGN R3-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED M

₹or State Traffic Engineer

DATE 3/17/2011

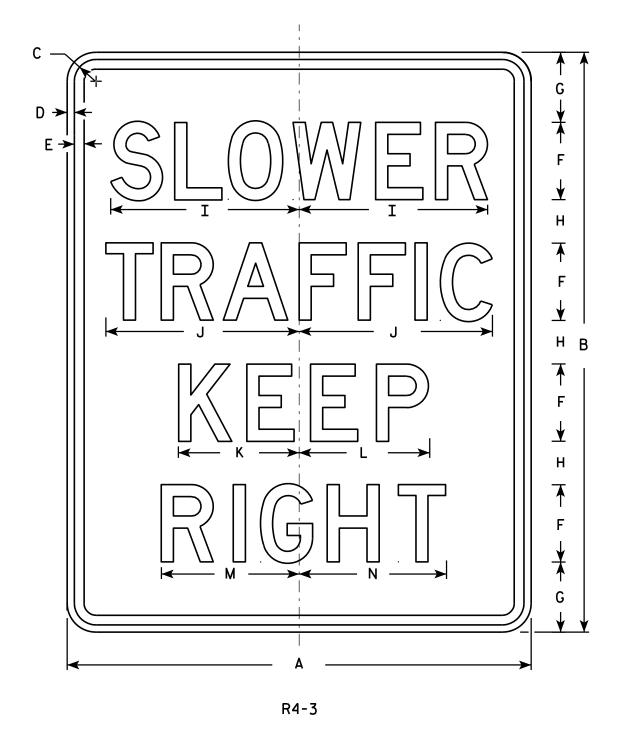
PLATE NO. R3-4B.2

SHEET NO:

HWY:

PROJECT NO:

PLOT NAME :



NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE A В С G 2S 24 3/8 10 6 1/4 6 3/4 7 1/8 7 5/8 30 | 1 1/8 1/2 | 3 % | 2 1/4 | 9 ¾ | 5.0 3 % 2 1/4 9 3/4 10 6 1/4 6 3/4 7 1/8 7 5/8 1/2 5.0 24 30 | 1 1/8 48 1 1 1 1 1 1 1 1 1 1 1 1 1 1 5/8 3/4 15 9 3/8 14 % 10 10 3/4 11 3/8 12.0 36 10 3/4 11 3/8 3/4 15 9 % 10 36 1 % 12.0 48 5 7 1/4 4 1/2 19 1/2 20 12 1/2 13 1/2 14 1/4 15 1/4 48 60 2 1/4 20.0

STANDARD SIGN R4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Raw

For State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-3.8

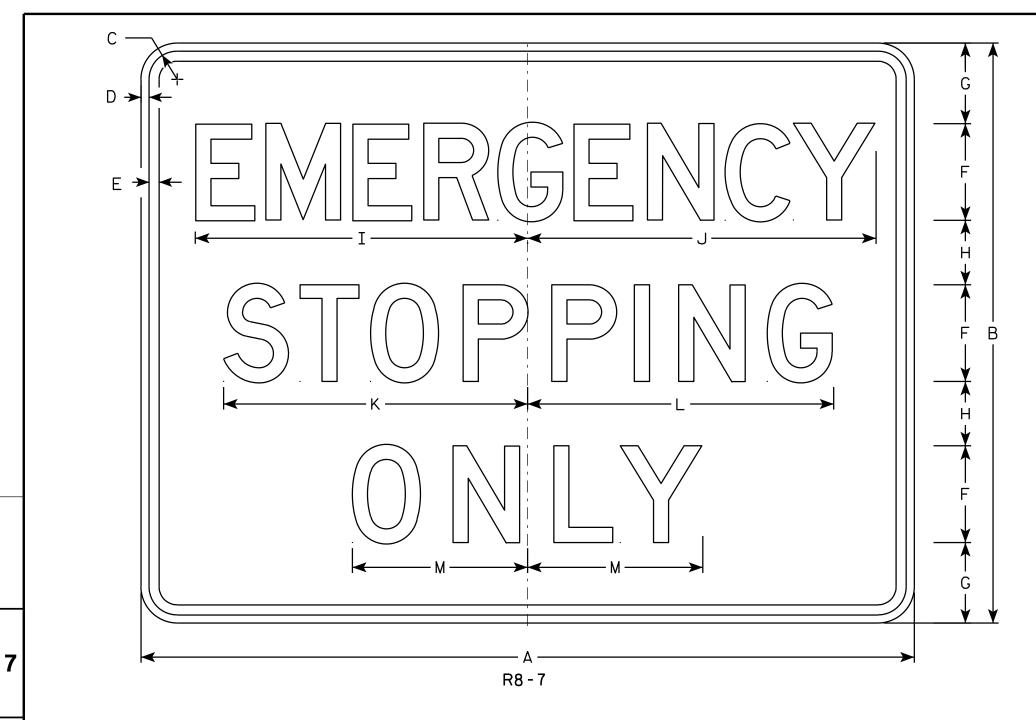
SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R43.DGN

PROJECT NO:

PLOT DATE: 25-MAR-2011 13:40

PLOT BY: mscsja



NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

STANDARD SIGN R8-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch

DATE 3/31/2011

DII PLATE NO. R8-7.6
SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R87.DGN

PLOT DATE: 31-MAR-2011 14:28

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 5.959043:1.000000

WISDOT/CADDS SHEET 42



Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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