MAD MAY 2013 ORDER OF SHEETS

Section No. 1

Typical Sections and Details Section No. 2 Estimate of Quantities Section No. 3 Miscellaneous Quantities Section No. 3 Right of Way Plat Standard Detail Drawings

Section No. 7

Section No. 9 Cross Sections

TOTAL SHEETS = 44

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SUN PRAIRIE - WATERTOWN

B-28-72 TO JACKSON STREET

STH 19 JEFFERSON COUNTY

STATE PROJECT NUMBER 3050-02-62

DESIGN DESIGNATION

A.A.D.T. (2009) = 5,400A.A.D.T. (2023) = 6,500= 4.9% D.H.V. = 62/38 = 6.1% DESIGN SPEED = 40/25 MPH = 1,100,000

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

WOODED OR SHRUB AREA

MARSH AREA

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

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

PROFILE

GRADE LINE

₫ Ø

BOORMAN **BEGIN PROJECT** STA. 20+00 MOHAWK FRANKLIN \B7 B466 TAYLOR POLK SQUIRE LESCHINGER B341 MILWAUKEE PESCH KNOWLTON LAYOUT 0.09 MILES

R-13-E Town of Portland

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 3050-02-62

> **END PROJECT** STA. 57+80

C.O. Examiner

Project Manager

Regional Examiner

Regional Supervisor_

PREPARED BY

Surveyor

Designer

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

DATE: 1/29/13

TOTAL NET LENGTH OF CENTERLINE = 0.72 MILES

STEFAN CIOBANU

UTILITY CONTACTS

ROBERT CHURCH FRONTIER COMMUNICATIONS OF WILLC - COMMUNICATION 118 DIVISION STREET PLYMOUTH, WI 53073 (608) 837-1881 ROBERT.CHURCH@FTR.COM

BRANDON STORM CHARTER COMMUNICATIONS - COMMUNICATION LINE 2701 DANIELS ST. MADISON, WI 53718 (608) 274-3822 BRANDON.STORM@CHARTERCOM.COM

DAN SANDE WE ENERGIES - GAS/PETROLEUM 333 W EVERETT ST, A299 MILWAUKEE, WI 53203 (414) 221-4578 DAN.SANDE@WE-ENERGIES.COM

WATERLOO WATER AND LIGHT COMMISSION - WATER 575 COMMERCIAL AVE WATERLOO, WI 53594-2400 (920) 478-2260

DNR & RR CONTACTS

ERIC HEGGELUND 3911 FISH HATCHERY ROAD MADISON WI 53711 (608) 275-3301 eric.heggelund@wisconsin.gov

WISCONSIN AND SOUTHERN RAILROAD BEN MEIGHAN 1890 EAST JOHNSON STREET MADISON, WI 53704 (608) 243-9129 EXT. 201 FAX (608) 243-9225 bmeighan@wsorrailroad.com

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO "DIGGER'S HOTLINE"AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

GENERAL NOTES

IF UTILITY CONFLICTS OCCUR DURING CONSTRUCTION, ADJUSTMENTS WILL BE COORDINATED WITH CONTRACTOR. IF THERE ARE CONFLICTS WITH SIGNS OR OTHER WORK UNDER PROJECT, THE CONTRACTOR WILL WORK AROUND THE UTILITY FACILITIES.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112LB/SY/INCH.

APPLY TACK COAT TO MILLED SURFACES. THE RATE OF APPLICATION IS 0.025 GALLONS PER SQUARE YARD OR AS DIRECTED BY THE ENGINEER.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OPERATIONS REQUIRE THEIR REMOVAL OR UNLESS THE ENGINEER APPROVES THEIR REMOVAL.

THE LOCATION OF STOP LINES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, ALL SIGNS RELATED TO THIS OPERATION SHOULD BE COVERED OR REMOVED AND THE FACILITY RESTORED TO NORMAL OPERATIONS.

THE EXACT LOCATIONS AND LIMITS OF PRIVATE AND FIELD ENTRANCES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

PAVING LIMITS AT INTERSECTIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

EXISTING SIGNS OTHER THAN THE ONES SHOWN ON THE PLANS SHALL REMAIN IN PLACE.

CURVE INFORMATION SHOWN ON THE PLANS HAS NOT BEEN FIELD VERIFIED BY A SURVEYOR. THE ENGINEER SHALL DETERMINE THE APPROPRIATE SUPER-ELEVATION AND RUN-OFF INFORMATION AND PROVIDE IT TO THE CONTRACTOR PRIOR TO PAVING.

REMOVE AND REPLACE ALL SIGNS AND POSTS WITH NEW SIGNS AND POSTS IN THE SAME GENERAL LOCATION UNLESS OTHERWISE NOTED ON THE PLANS.

HMA PAVEMENT SHALL BE PLACED IN ONE LAYER FOR A TOTAL DEPTH OF 2".

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN'S TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING OR PARKING LANE.



Toll Free (800) 242-8511 Milwaukee Area (414) 259-1181 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

PROJECT NO:3050-02-62

HWY: STH 19

COUNTY: JEFFERSON

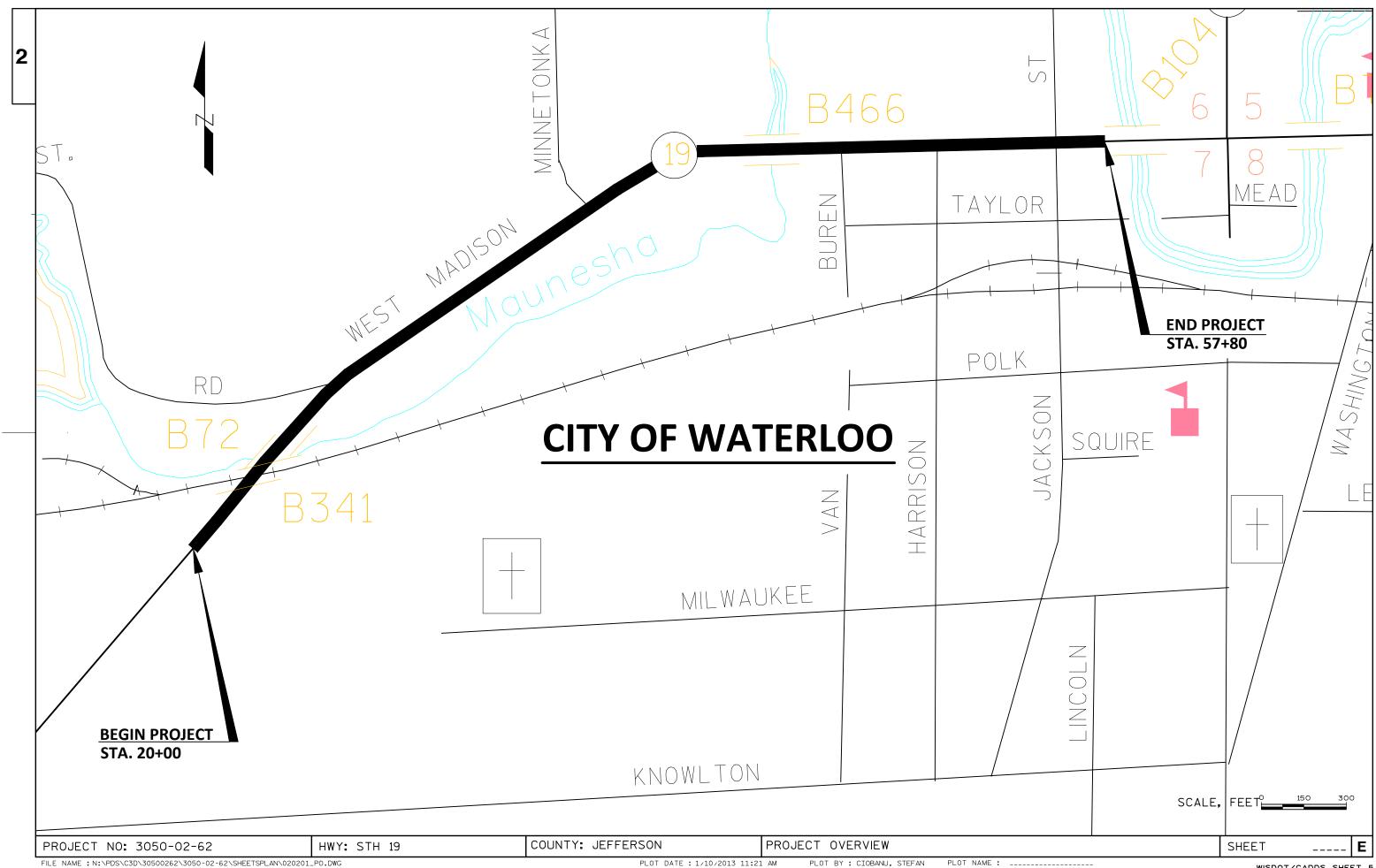
GENERAL NOTES

SHEET

FILE NAME: N:\PDS\C3D\30500262\3050-02-62\SHEETSPLAN\020101_GN.DWG

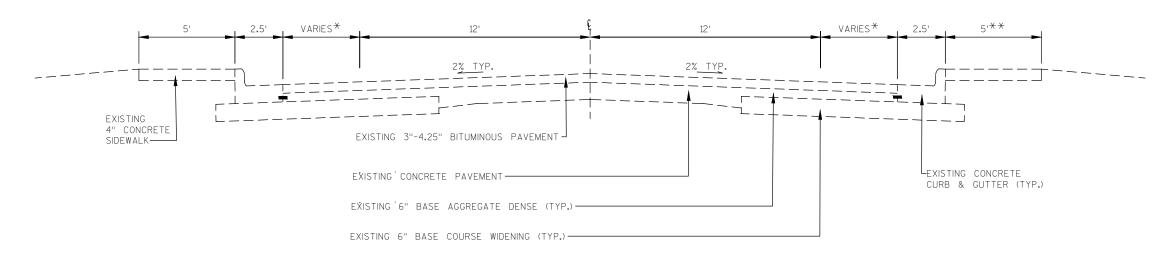
PLOT DATE: 1/9/2013 4:03 PM

PLOT BY : CIOBANU, STEFAN PLOT NAME : _____



TYPICAL EXISTING SECTION STH 19 STA. 20+00 - STA. 30+00

*DISTANCE BETWEN SIDEWALK AND B.O.C. VARIES



TYPICAL EXISTING SECTION

STH 19

STA. 30+00 - STA. 46+50

*STA. 30+00 - STA. 45+30 - 4'

*STA. 45+80 - STA. 46+50 - 6'

**PARTIAL RT SIDEWALK

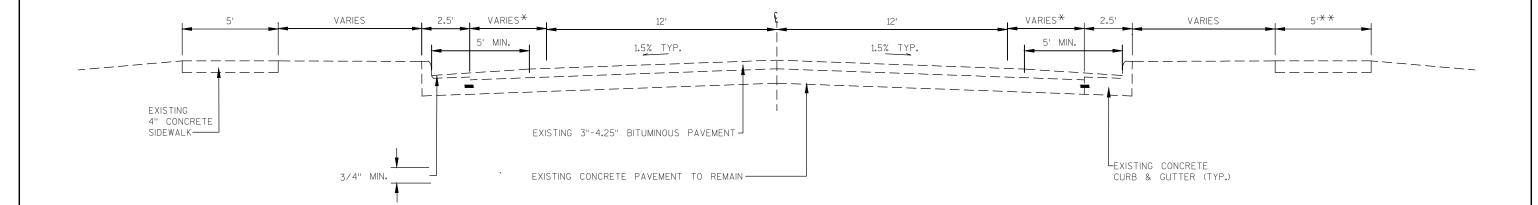
PROJECT NO: 3050-02-62 HWY: STH 19 COUNTY: JEFFERSON TYPICAL SECTIONS

FILE NAME: N: NPDS\C3D\30500262\3050-02-62\SHEETSPLAN\020301_TS.DWG

PLOT DATE: 1/9/2013 4:25 PM
PLOT DATE: 1/9/2013 4:25 PM
PLOT BY: CIOBANU, STEFAN PLOT NAME: _______PLOT SCALE: 1 IN: 100 FT
WISDOT/CADDS SHEET 5

2

12



TYPICAL EXISTING SECTION

STH 19 STA. 46+50 - STA. 57+80

*STA. 46+50 - STA. 48+00 - 6'

*STA. 48+00 - STA. 51+30 - 1'

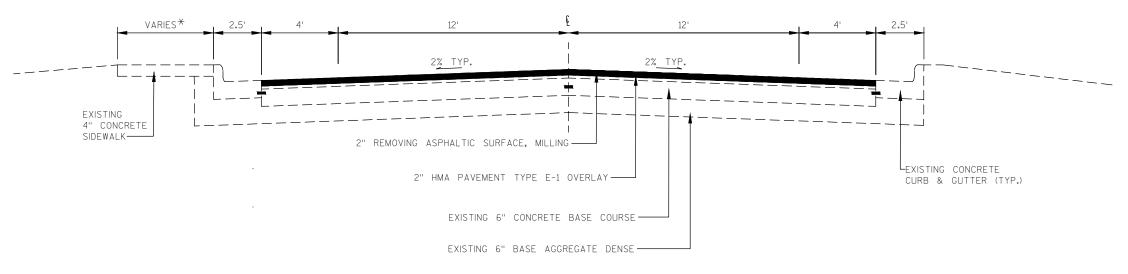
*STA. 51+30 - STA. 55+50 - 3'

*STA. 55+50 - STA. 57+80 - 10.5'

**STA. 46+50 - 48+00, PARTIAL RT SIDEWALK

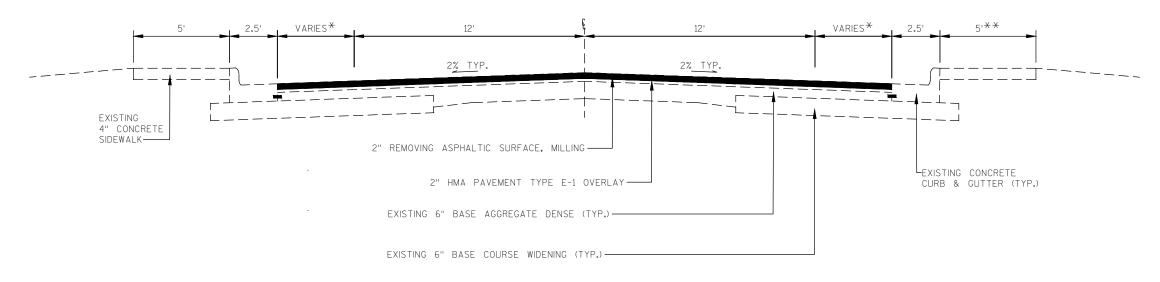
PROJECT NO: 3050-02-62 HWY: STH 19 COUNTY: JEFFERSON TYPICAL SECTIONS SHEET ____ **E**





TYPICAL PROPOSED SECTION STH 19 STA. 20+00 - STA. 30+00

*DISTANCE BETWEEN SIDEWALK AND B.O.C. VARIES



TYPICAL PROPOSED SECTION

STH 19

STA. 30+00 - STA. 46+50

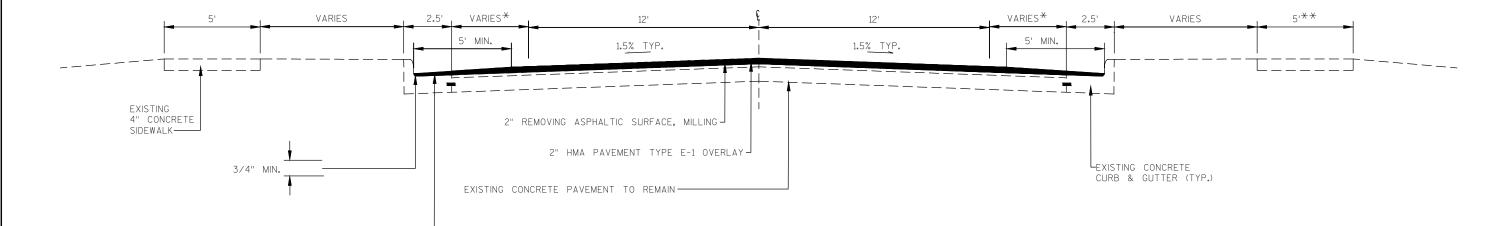
*STA. 30+00 - STA. 45+30 - 4'

*STA. 45+80 - STA. 46+50 - 6'

**PARTIAL RT SIDEWALK







TYPICAL PROPOSED SECTION

STH 19 STA. 46+50 - STA. 57+80

*STA. 46+50 - STA. 48+00 - 6'

*STA. 48+00 - STA. 51+30 - 1'

*STA. 51+30 - STA. 55+50 - 3'

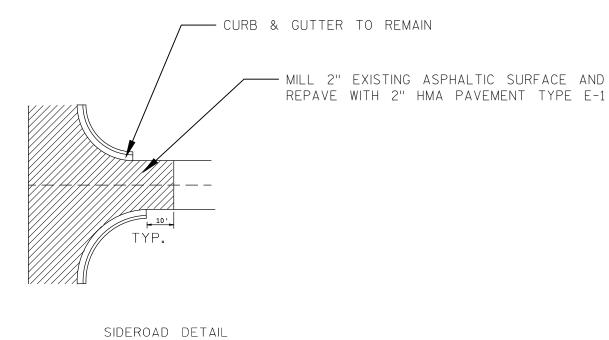
*STA. 55+50 - STA. 57+80 - 10.5'

**STA. 46+50 - 48+00, PARTIAL RT SIDEWALK

COUNTY: JEFFERSON TYPICAL SECTIONS HWY: STH 19 PROJECT NO: 3050-02-62 SHEET PLOT DATE: 1/9/2013 4:25 PM

REMOVAL OF WEDGING FROM CURB AND GUTTER IS INCIDENTAL TO MILLING, WEDGING OF HMA ON CURB AND

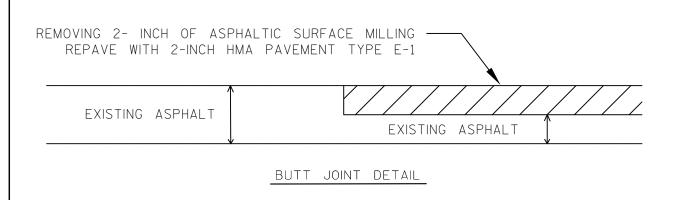
GUTTER IS INCIDENTAL TO HMA ITEMS.

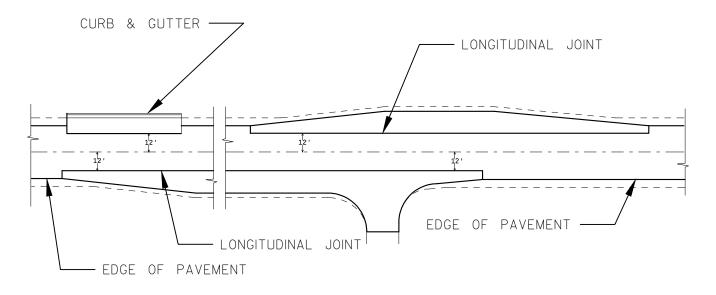


CURB RAMP WEDGE GRINDING

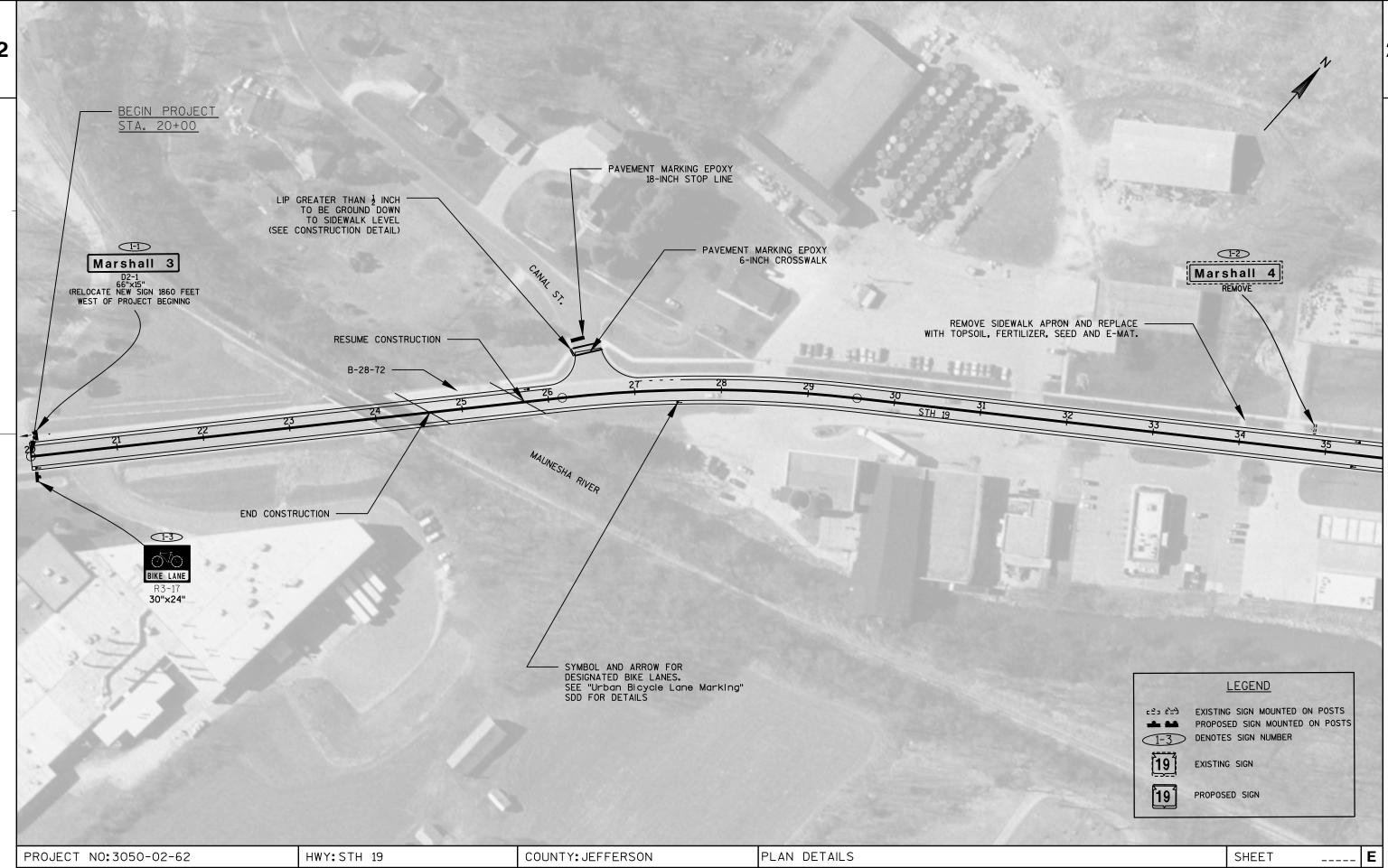
LIP GREATER THAN ½" TO BE GROUND FLUSH WITH THE TOP OF THE SIDEWALK

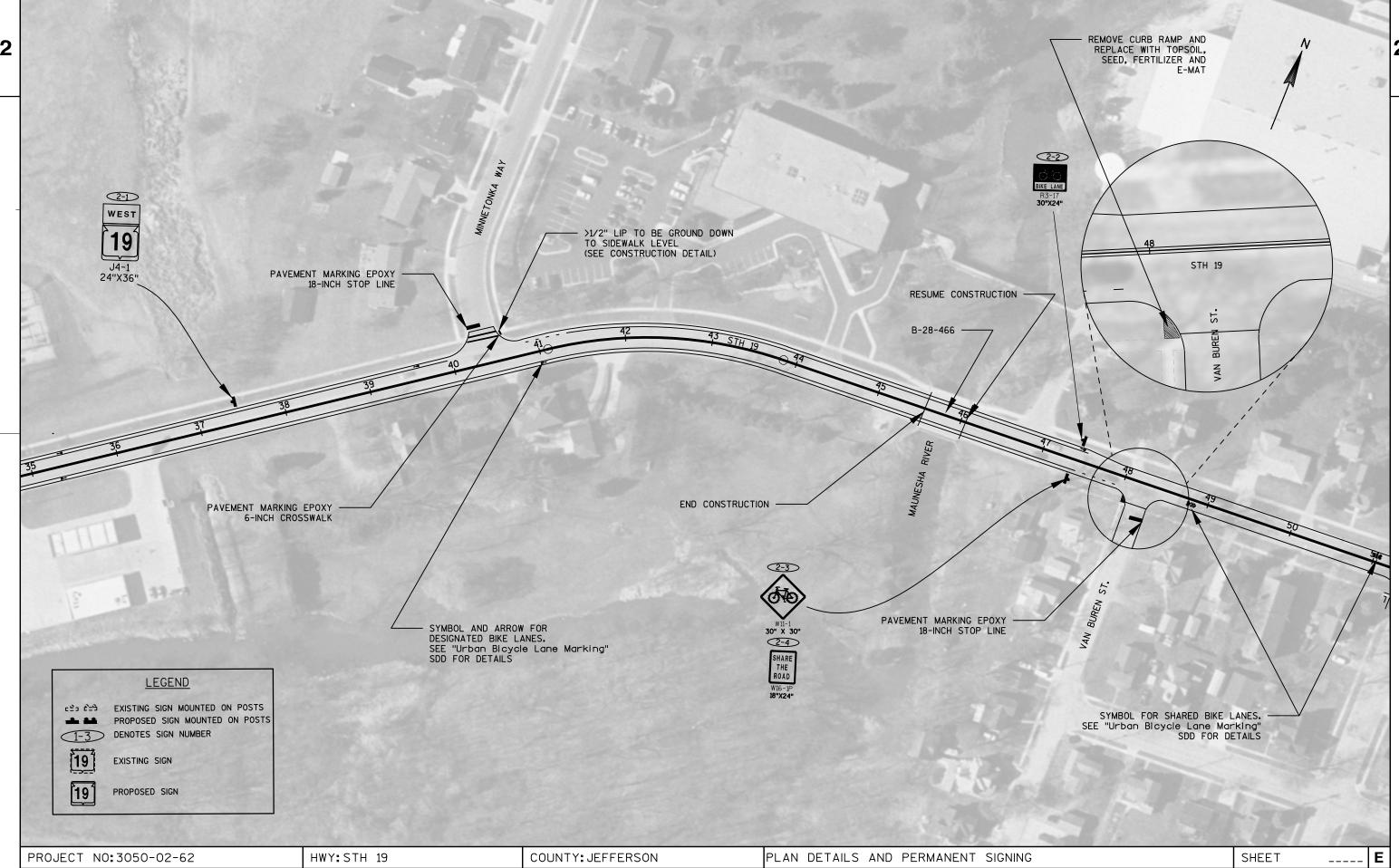
EXISTING CURB & GUTTER

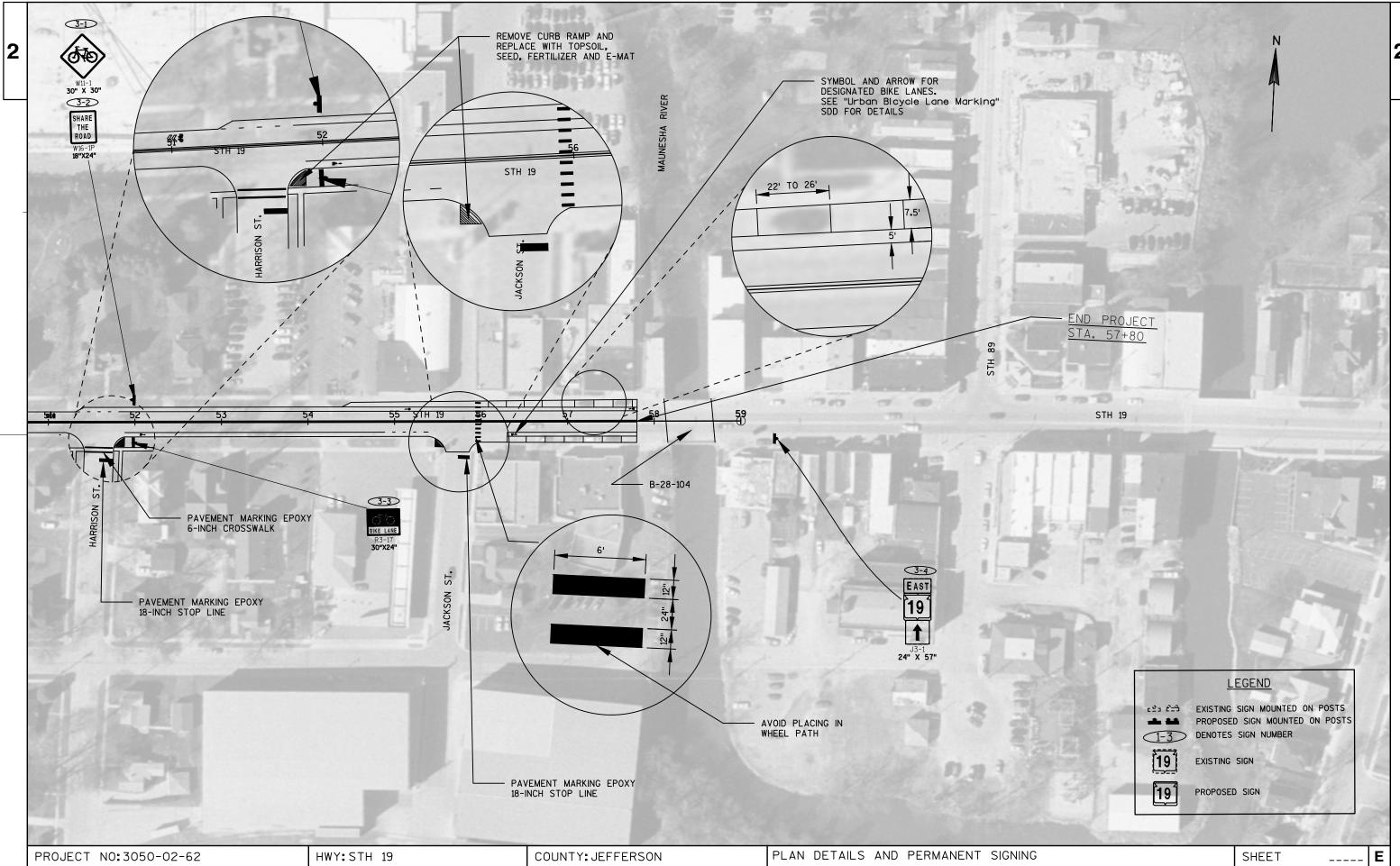


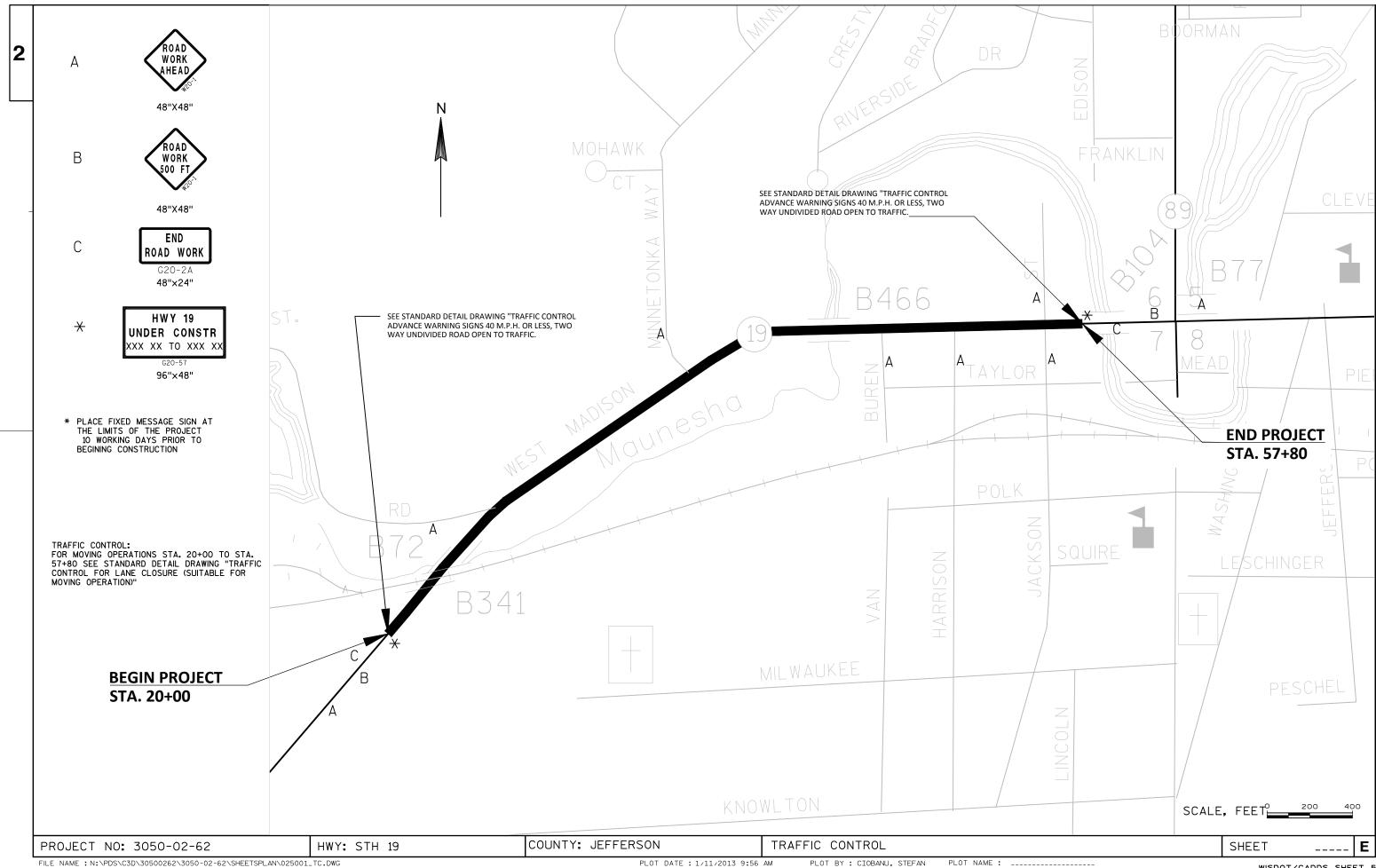


HMA LONGITUDINAL JOINT DETAIL









DATE 19 LINE	MAR13	E S T	IMATE	OF QUAN	T I T I E S 3050-02-62	
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY	
0020	204. 0120	REMOVING ASPHALTIC SURFACE MILLING	SY	14, 300. 000	14, 300. 000	
0030	204. 0150	REMOVING CURB & GUTTER	LF	29. 000	29. 000	
0040	204. 0155	REMOVING CONCRETE SIDEWALK	SY	30.000	30. 000	
0060	213.0100	FINISHING ROADWAY (PROJECT) 01.	EACH	1.000	1. 000	
		3050-02-62				
080	305. 0110	BASE AGGREGATE DENSE 3/4-INCH	TON	2. 000	2. 000	
0000	303.0110	DASE AGGREGATE DENSE 3/4-TNCT	TON	2.000	2.000	
	110 1110 0	INCENTIVE IDL DIDE		0.070.000	0.070.000	
0100		INCENTIVE IRI RIDE	DOL	2, 870. 000	2, 870. 000	
0110	455. 0105	ASPHALTIC MATERIAL PG58-28	TON	92.000	92. 000	
0120	455. 0605	TACK COAT	GAL	370. 000	370. 000	
0130	460, 1101	HMA PAVEMENT TYPE E-1	TON	1, 670. 000	1, 670. 000	
0140	460. 2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	1, 070. 000	1, 070. 000	
3170	100. 2000	THOUNT VE BENGITT THINK TAVELIEUT	DOL	1,070.000	1,070.000	
2170	/01 0411	CONCRETE CURR & CUTTER 20 INCH TVRE D		20.000	20, 000	
0170	601. 0411	CONCRETE CURB & GUTTER 30-INCH TYPE D	LF	29. 000	29. 000	
0180	611. 8110	ADJUSTING MANHOLE COVERS	EACH	7. 000	7. 000	
0190	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS	EACH	1.000	1. 000	
		(PROJECT) 01. 3050-02-62				
0210	619. 1000	MOBI LI ZATI ON	EACH	0. 100	0. 100	
			SY			
0220	625. 0100	TOPSOI L	31	30. 000	30. 000	
)250	628. 1905	MOBILIZATIONS EROSION CONTROL	EACH	1. 000	1. 000	
0260	628. 1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	1.000	1. 000	
0280	628. 2006	EROSION MAT URBAN CLASS I TYPE A	SY	30.000	30.000	
290	628. 7015	INLET PROTECTION TYPE C	EACH	15. 000	15. 000	
0300	629. 0210	FERTILIZER TYPE B	CWT	0. 050	0. 050	
0320	630. 0140	SEEDING MIXTURE NO. 40	LB	0. 900	0. 900	
0340	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	6.000	6. 000	
0350	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	2.000	2. 000	
0360	637. 0202	SIGNS REFLECTIVE TYPE II	SF	55. 880	55. 880	
0380	638. 2602	REMOVING SIGNS TYPE II	EACH	3. 000	3. 000	
0390	638. 3000	REMOVING SMALL SIGN SUPPORTS	EACH	3. 000	3. 000	
0400	642. 5001	FIELD OFFICE TYPE B	EACH	0. 100	0. 100	
0410	643.0100	TRAFFIC CONTROL (PROJECT) 01. 3050-02-62	EACH	1.000	1. 000	
0430	643. 0300	TRAFFIC CONTROL DRUMS	DAY	300.000	300. 000	
0460	643. 0900	TRAFFIC CONTROL SIGNS	DAY	160. 000	160. 000	
7400	043. 0700	TRAILIG GONTROL STONS	אאו	100.000	100.000	
100	(40,4000	TRAFFIC CONTROL CLONG FLVER MECCACE		/ / 000	(4.000	
)490	643. 1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	64. 000	64. 000	
)520	646. 0106	PAVEMENT MARKING EPOXY 4-INCH	LF	6, 200. 000	6, 200. 000	
)540	646. 0406	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	LF	7, 200. 000	7, 200. 000	
560	647. 0206	PAVEMENT MARKING ARROWS BIKE LANE EPOXY	EACH	12.000	12.000	
570	647. 0306	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY	EACH	12. 000	12. 000	
,,,,,	047.0300	TAVENIENT MARKING STWIDGES DIKE LANE EPUAT	LACII	12.000	12.000	
)F0C	/ 47 000/	DAVEMENT MADICING COMPOSIGE BLUE CHARES	EAOU.			
)580	647. 0336	PAVEMENT MARKING SYMBOLS BIKE SHARED	EACH	2. 000	2. 000	
		LANE EPOXY				
0590	647. 0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	100.000	100.000	
0600	647. 0656	PAVEMENT MARKING PARKING STALL EPOXY	LF	170. 000	170. 000	
0610	647. 0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	LF	310. 000	310. 000	
0620	647. 0776	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	ഥ	100. 000	100. 000	
0640	650. 8000	CONSTRUCTION STAKING RESURFACING	LF	3, 800. 000	3, 800. 000	
		REFERENCE				
	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL	LS	1.000	1. 000	
0650	· · · -	CONTROL (PROJECT) 01. 3050-02-62	-	** = = =		
0650						
	600 0250	,	IF	84 000	84 000	
0650 0670 0700	690. 0250 SPV. 0165	SAWING CONCRETE SPECIAL 01. CURB RAMP GRINDING	LF SF	84. 000 10. 000	84. 000 10. 000	

		HMA PAVEME	<u>:NT</u>						TRA	AFFIC CONT	ROL				ADJUSTING	MANHOLE COVE	ERS		CONSTRUCTIO 650.8000	N STAKING 650.9910
		204.0120 REMOVING	455.0105	455.0605	460.1101				TR	AFFIC	43.0300	643.0900	643.1000 SIGNS			611.8 ⁻ ADJUS	TING		RESURFACING REFERENCE	SUPPLEMENTAL CONTROL (PROJECT)
		ASPHALTIC	ASPHALTIC		HMA					NTROL			FIXED			MANH		LOCATIO		LS
		SURFACE	MATERIAL	TACK	PAVEMENT			LOCATION			DRUMS	SIGNS	MESSAGE		LOGATION	COVE		PROJEC	CT 3,800	1
0.74	LOCATION	MILLING	PG58-28	COAT	TYPE E-1		-	LOCATION MAINLINE	DAYS E		DAYS -	DAYS 80	SF 64		LOCATION PROJECT	EAC 7		·		
STA - STA 20+00 - 57+80	LOCATION MAINLINE	13,700	TON 88	350	1,600			SIDEROADS	10	-	-	60	-		FROJECT	,				
	SIDEROADS	600	4	20	70		-	UNDISTRIBUTED	-	1	300	20								
20100 07100	TOTAL	14,300	92	370	1,670		-		TOTAL:	1	300	160	64							
								* FOR INFOR	RMATION ONLY	(
							1		CURB RAMP	& EROSION	CONTROL	. ITEMS		•				•		
				204.0150	204.0155	305	.0110	601.0411	SPV.0165.01	625.0100	628.	.1905	628.1910	628.200	6 628.7015	629.0210	630.0140	690.0250		
								CONCRETE					MOBILIZATION							
				REMOVING				CURB & GUTTER	CURB			IZATION	EMERGENCY	CLASS		FEDTU :===	SEEDING	0.414//1.10		
				CURB & GUTTER	CONCRETE SIDEWALK		EGATE SE, 3/4"	30-INCH TYPE D	RAMP GRINDING	TOPSOIL		OSION ITROL	EROSION CONTROL	URBAN TYPE A		FERTILIZER TYPE B	MIXTURE NO. 40	SAWING CONCRETE		
		LC	CATION	LF	SY		ON	LF	SF	SY		ACH	EACH	SY	EACH	CWT	LB	LF		
			6+40 LT	-	-		-	-	4	-		-	-	-	-	-	-	-		
		34	1+00 LT	10	8	C).5	10	-	8		-	-	8	-	0.01	0.2	21		
		40)+80 LT	-	-		-	-	4	-		-	-	-	-	-	-	-		
		48	3+10 RT	-	3		-	-	-	3		-	-	3	-	0.01	0.1	10		
			+90 RT	-	8		-	-	-	8		-	-	8	-	0.01	0.2	10		
			5+50 RT	14	6).5	14	-	6		-	-	6	<u>-</u>	0.01	0.2	29		
•		UNDI	STRIBUTED	5	5 30		2	5 29	2	5 30		1	1	5 30	15	0.01	0.2	14		
			TOTAL	29				29	10 	RMANENT S		<u> </u>	1	30	15	0.05	0.9	84		
										634.0616	634.0618	3 637.0	n202 638	.2602	638.3000					
										POSTS	POSTS		0202 000		REMOVING					
										WOOD	WOOD	SIG	SNS REM	OVING	SMALL					
										4X6 INCH	4X6 INCH	H REFLE	CTIVE SI	GNS	SIGN					
			S	SIGN		SIGN	SIGN			16 FT	18 FT	TYF	PE II TY	PE II	SUPPORTS					
					OCATION	CODE	WxH	MESSA		EACH	EACH			ACH	EACH	REMARKS				
					1+40 LT	D2-1	66 x 15	MARSHA		2	-	6.8		-		860' WEST OF PF	ROJECT			
					34+80 LT	-	-	MARSHA		-	-	-		1	2	-				
			-		20+00 RT 37+50 LT	R3-17 J4-1	30 x 24 24 x 36	BIKE LA REASSURANC		1 1	-	5.0 6.0		- 1	- 1	J-ASSEMBL				
				2-1		M3-4	24 x 30	WES		<u>-</u>	-	0.0		-	-	J-ASSEMBL				
						M1-6	24 x 24	STH 1		-	-			_	-	J-ASSEMBL				
			:	2-2		R3-17	30 x 24	BIKE LA		1	-	5.0		-	-					
						W11-1	30 x 30	BIKE CRO		-	1	6.2		-	-	-				
			;	2-4	47+40 RT \	<i>N</i> 16-1P	18 x 24	SHARE THE	ROAD	-	-	3.0	00	-	-	POSTED WITH	1 2-3			
				3-1 5		W11-1	30 x 30	BIKE CRO	SSING	-	1	6.2		-	-	-				
						W16-1P	18 x 24	SHARE THE		-	-	3.0		-	-	POSTED WITH	ł 3-1			
						R3-17	30 x 24	BIKE LA		1	-	5.0		-	-	-	01.5			
			;	3-4		J3-1	24 x 57	REASSURANC		-	-	9.8		1	-	ON UTILITY PO				
						M3-2 M1-6	24 x 12 24 x 24	EAS ⁻ STH 1		-	-			_	-	J-ASSEMBL J-ASSEMBL				
							_ T A _ T	5111	-			•				5 / COLIVIDE	•			
						M6-1	21 x 21	AHEA	.D	-	-		-	_	-	J-ASSEMBL	Υ			
						M6-1	21 x 21	AHEA	.D TOTAL	- 6	2	55.		3	3	J-ASSEMBL	Y			

PAVEMENT MARKING ITEMS

			TOTAL	6,200	7,200	12	12	2	100	170	310	100
		57+70	LT	-	-	1	1	-	-	-	-	-
		56+40	RT	-	-	1	1	-	-	-	-	-
		55+20	LT	-	-	1	1	-	-	-	-	-
		52+10	RT	-	-	1	1	-	-	-	-	-
		51+00	LT	-	-	-	-	1	-	-	-	-
		48+80	RT	-	-	-	-	1	-	-	-	-
		47+40	LT	-	-	1	1	-	-	-	-	-
		41+00	RT	-	-	1	1	-	-	-	-	-
		39+70	LT	-	-	1	1	-	-	-	-	-
		35+50	RT	-	-	1	1	-	-	-	-	-
		35+50	LT	-	-	1	1	-	-	-	-	-
		27+50	RT	-	-	1	1	-	-	-	-	-
		25+80	LT	-	-	1	1	-	-	-	-	-
		20+10	RT	-	-	1	1	-	-	-	-	-
20+00	-	57+80	SIDE ROADS	-	-	-	-	-	100	-	310	=
20+00	-	57+80	MAINLINE	6,200	7,200	-	-	-	-	170	-	100
STA	-	STA	LOCATION	LF	LF	EACH	EACH	EACH	LF	LF	LF	LF
				WHITE	YELLOW	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE
				EPOXY 4-INCH	EPOXY 4-INCH	BIKE LANE EPOXY	BIKE LANE EPOXY	BIKE SHARED LANE EPOXY	EPOXY 18-INCH	EPOXY	6-INCH	12-INCH
				MARKING	SAME DAY	ARROWS	SYMBOLS	SYMBOLS	STOP LINE	PARKING STALL	CROSSWALK EPOXY	CROSSWAL EPOXY
				PAVEMENT	MARKING	MARKING	MARKING	MARKING	MARKING	MARKING	MARKING	MARKING
					PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT
				646.0106	646.0406	647.0206	647.0306	647.0336	647.0566	647.0656	647.0766	647.0776

PROJECT NO: 3050-02-62

COUNTY: JEFFERSON HWY: STH 19

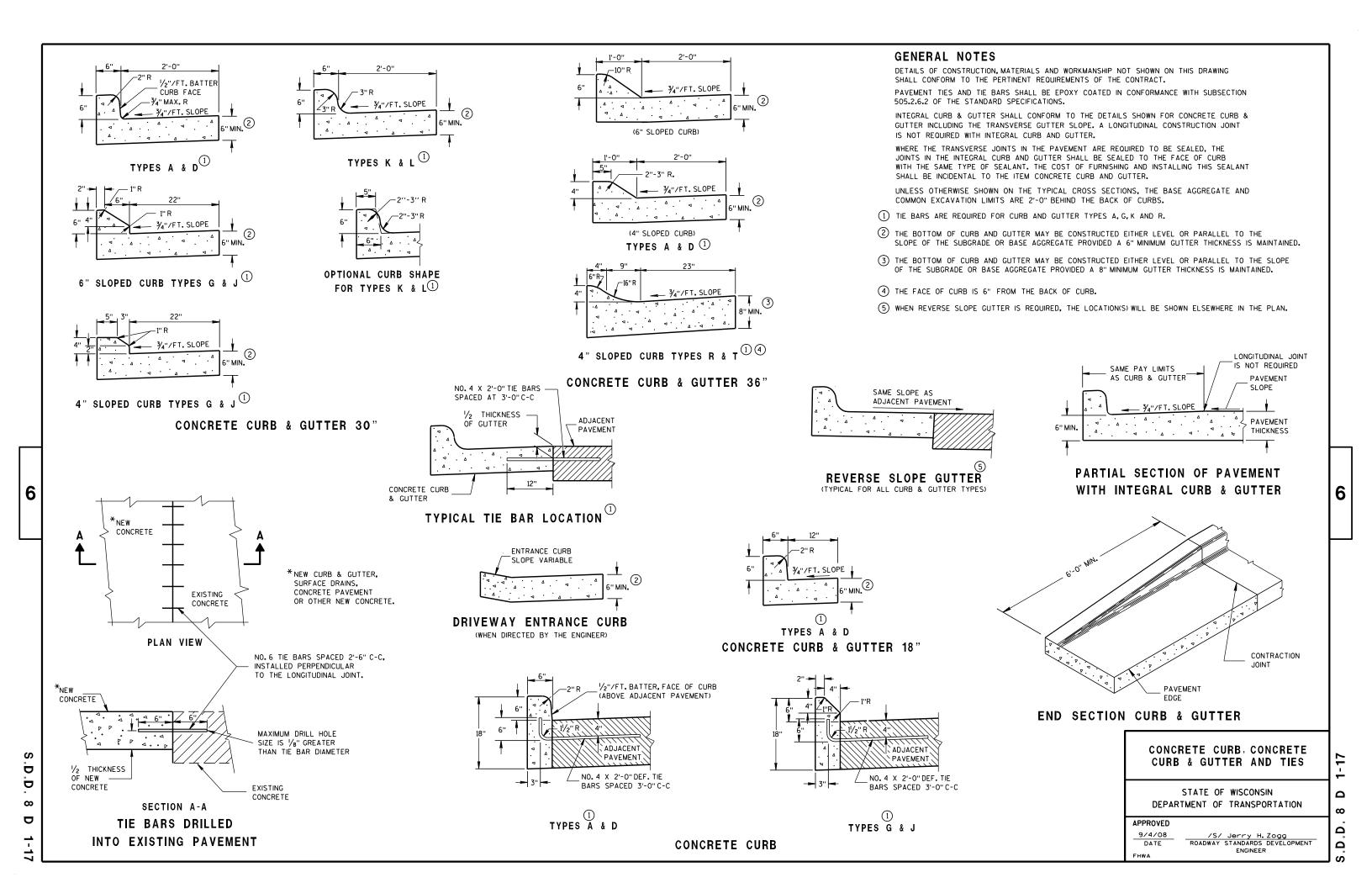
MISCELLANEOUS QUANTITIES

SHEET

PLOT DATE : 2/21/2013 3:15 PM

Standard Detail Drawing List

08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C05-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-01A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C29-02C	URBAN BICYCLE LANE MARKING
15C29-02D	URBAN BICYCLE LANE MARKING
15C29-02E	PAVEMENT MARKING FOR BIKE LANES
15C29-02F	PAVEMENT MARKING FOR SHARED LANE
15D28-01	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY







INLET PROTECTION, TYPE A

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE. USING A SEWN FLAP. HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

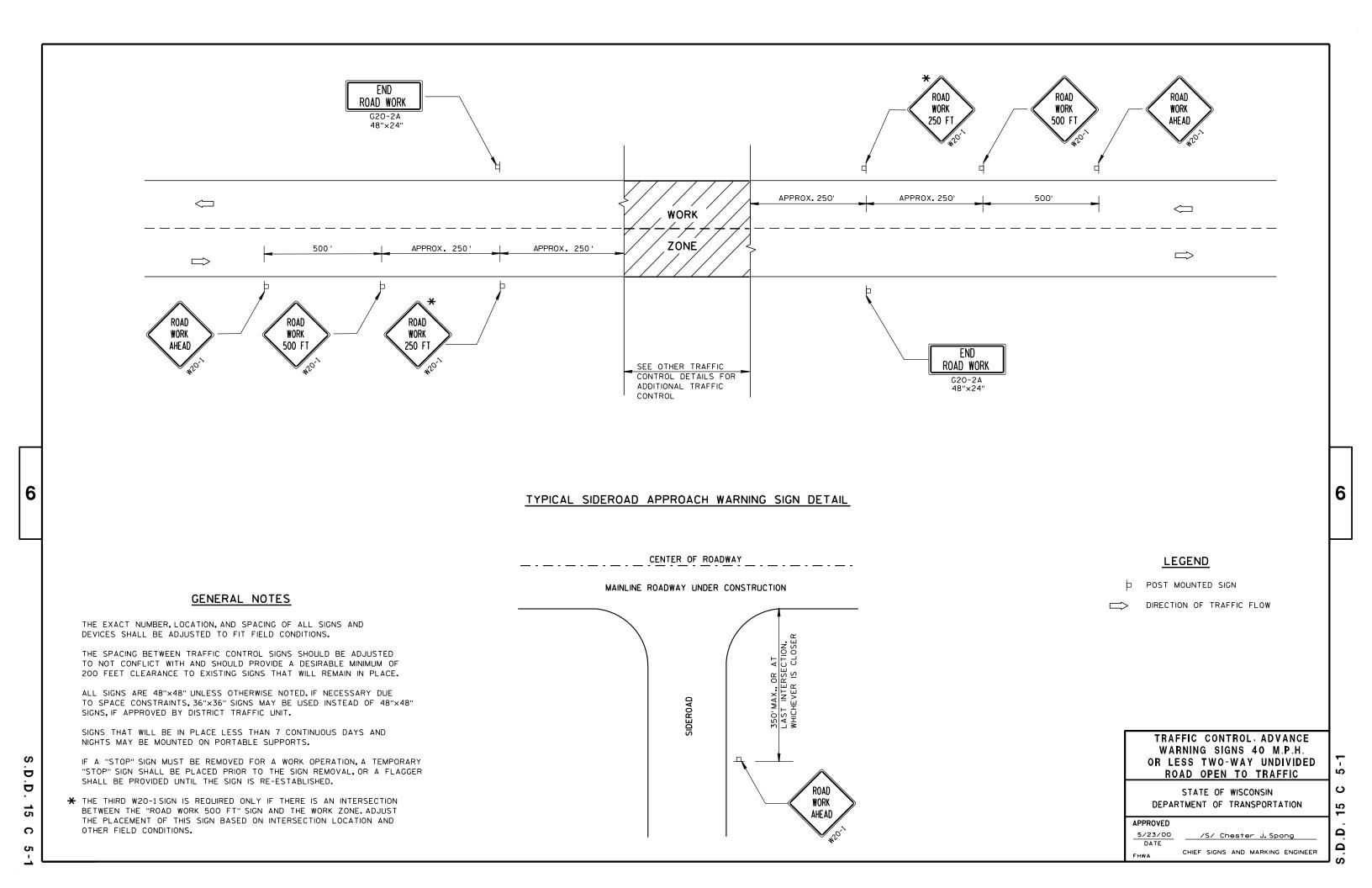
10/16/02

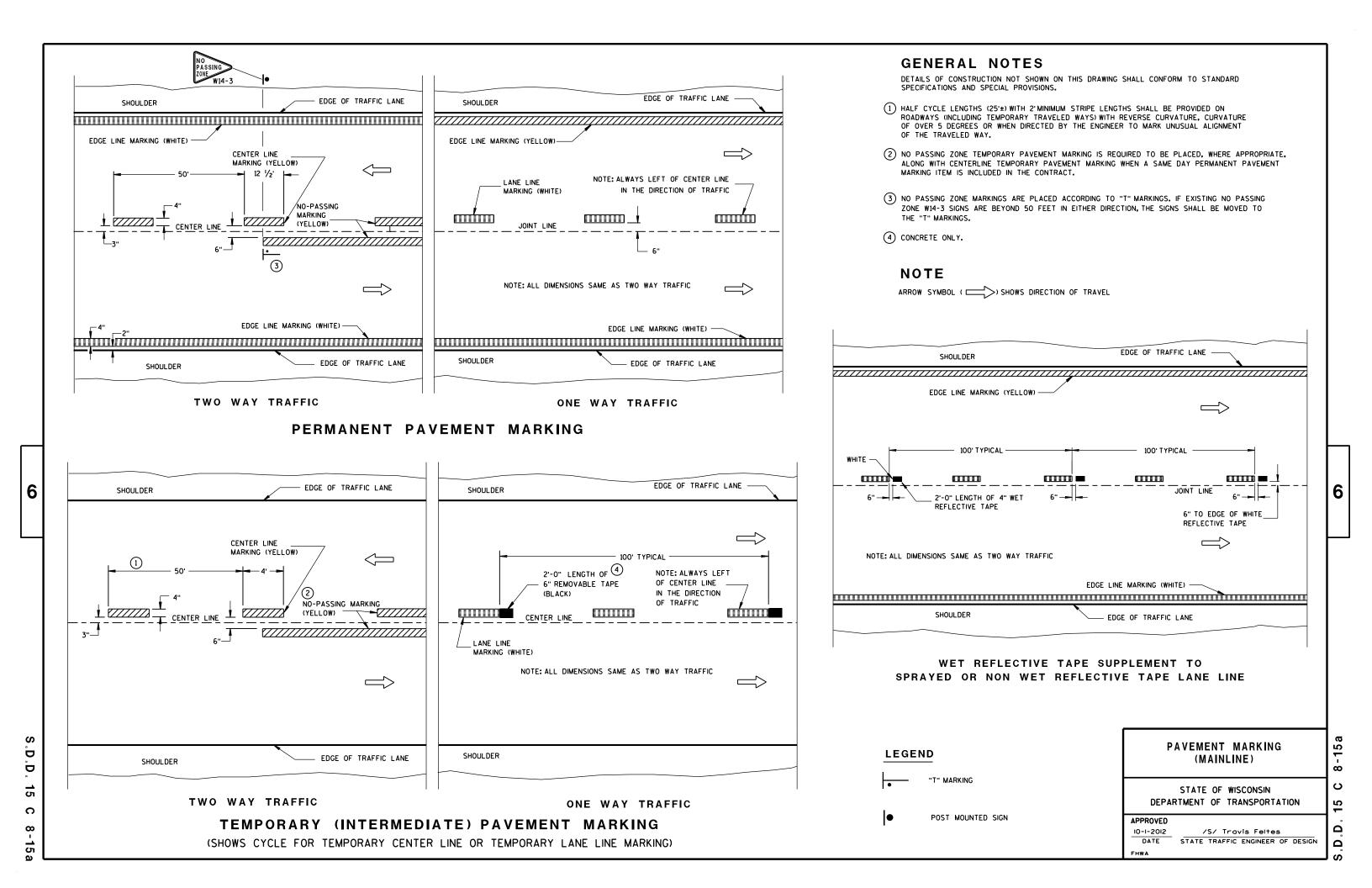
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

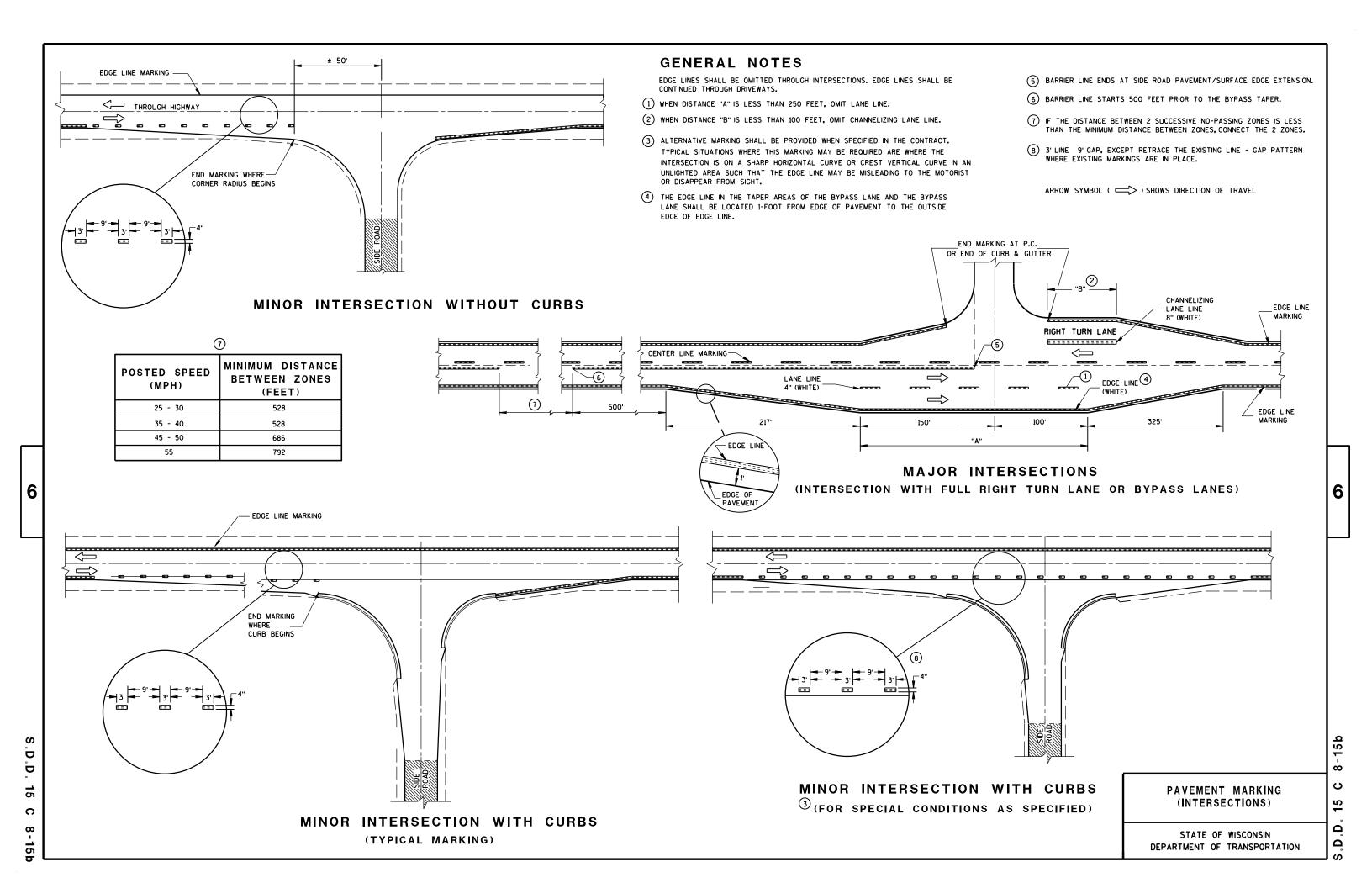
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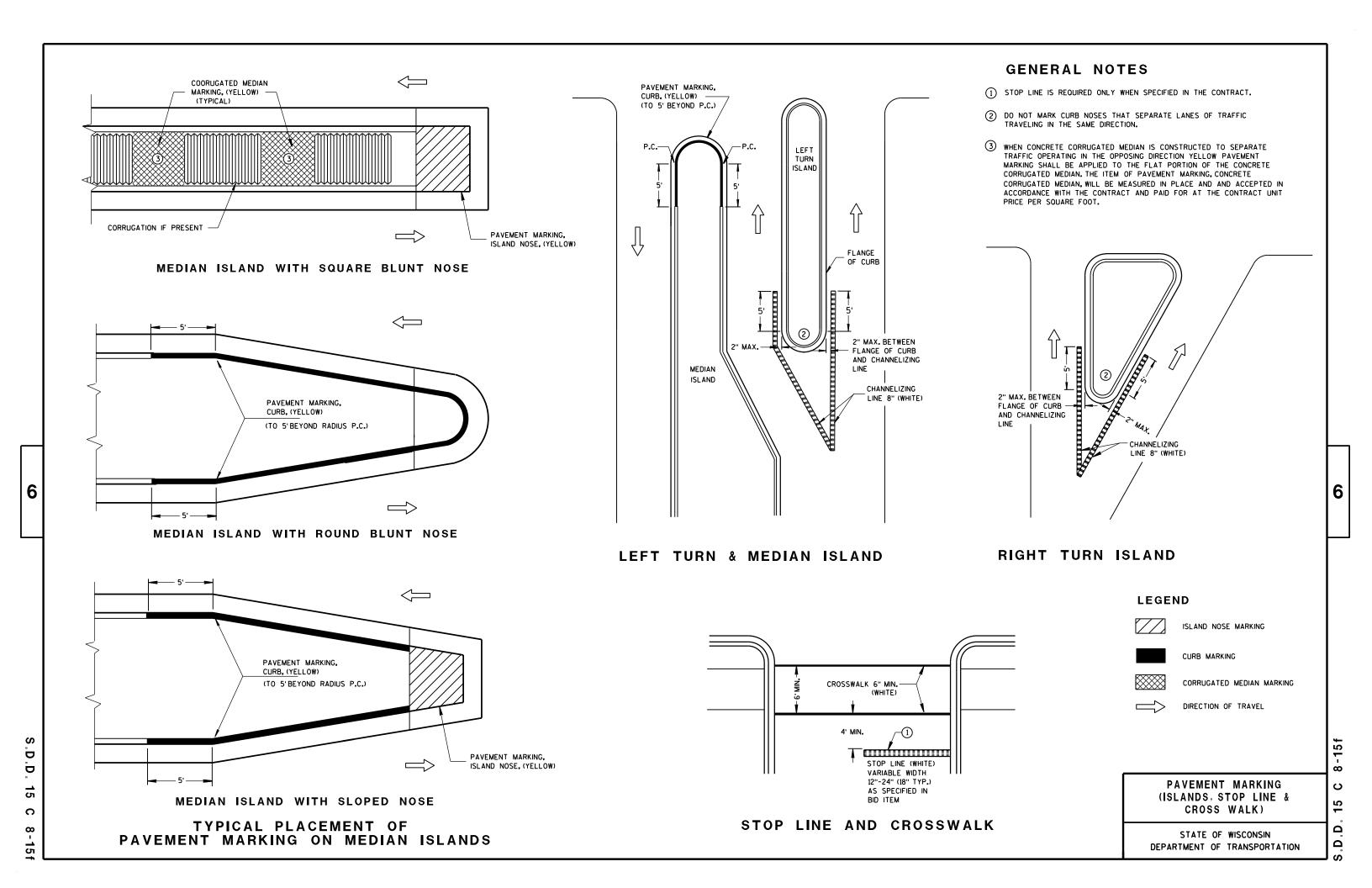
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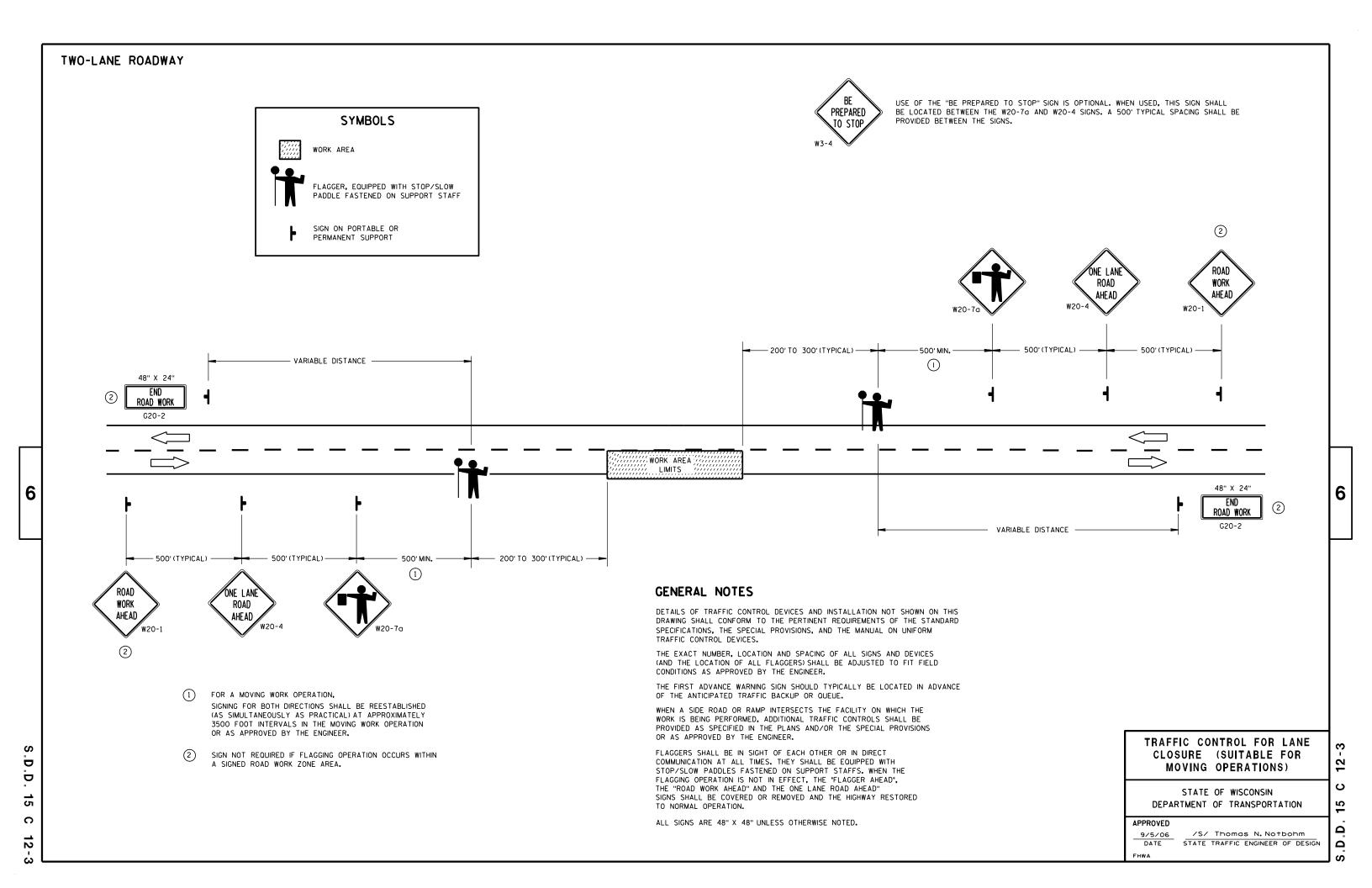
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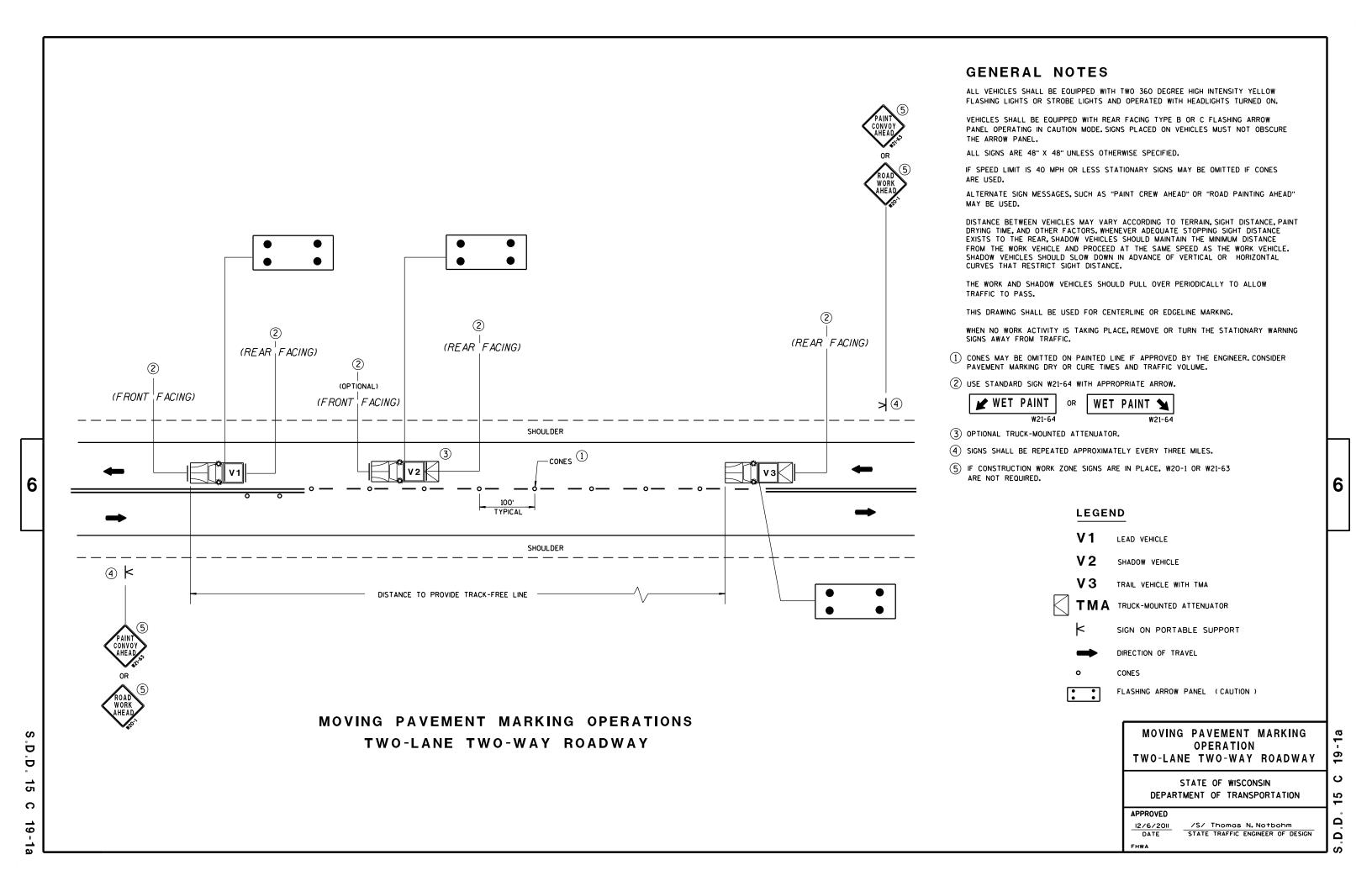


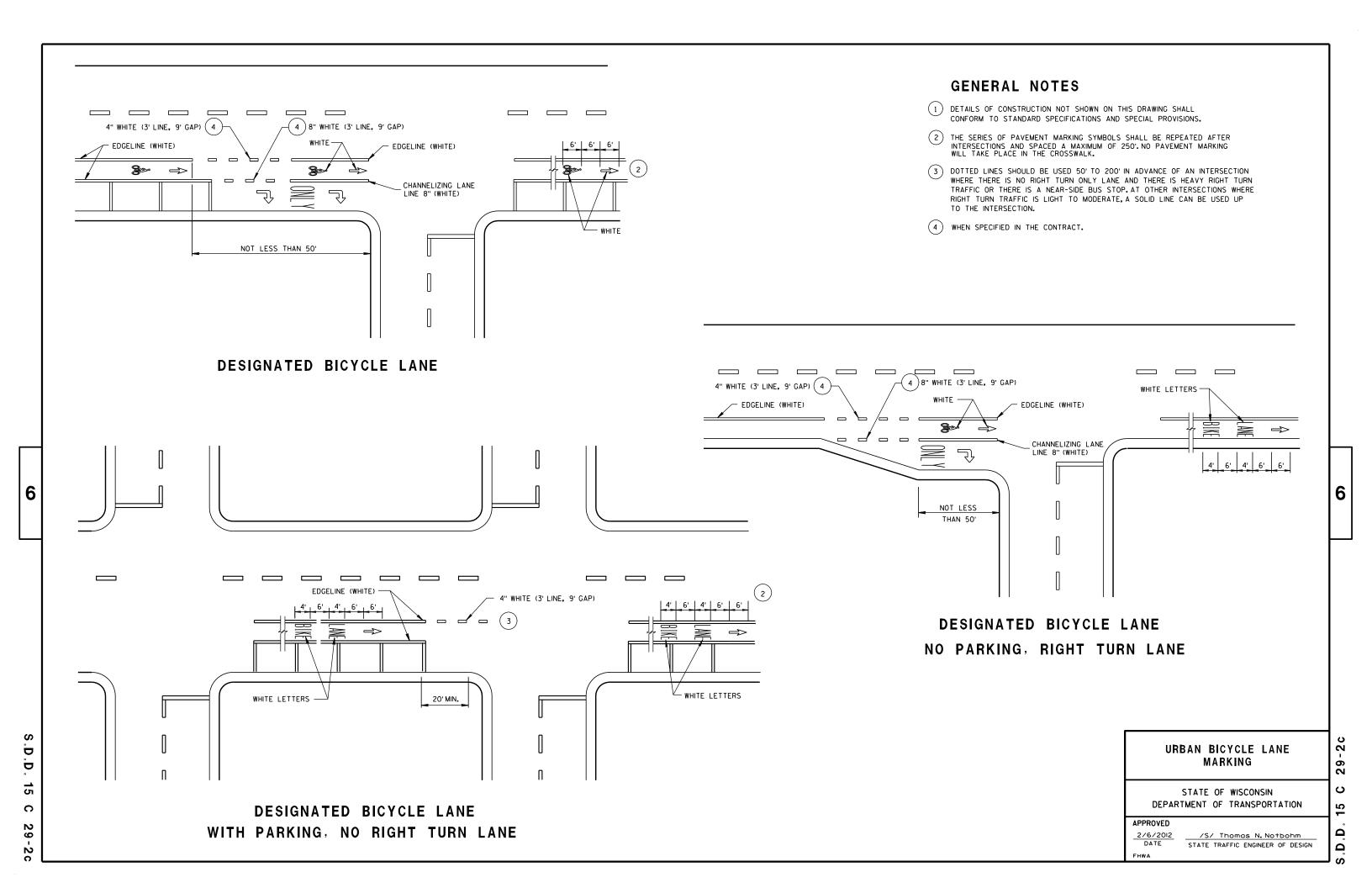










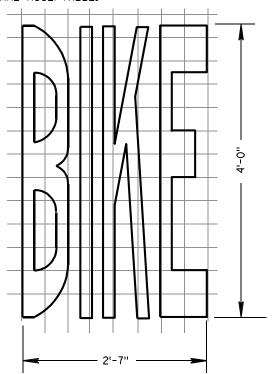


GENERAL NOTES 1) DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS. THE SERIES OF PAVEMENT MARKING SYMBOLS SHALL BE REPEATED AFTER INTERSECTIONS AND SPACED A MAXIMUM OF 250'. NO PAVEMENT MARKING WILL TAKE PLACE IN THE CROSSWALK. 3 DOTTED LINES SHOULD BE USED 50' TO 200' IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION. 4 3' LINE, 9' GAP - 4" WIDE, WHITE. NOT LESS WHITE - WHITE LETTERS LETTERS THAN 50' \triangleleft - WHITE LETTERS - EDGELINE (WHITE) EDGELINE (WHITE) 318 ⇒ (2) \Rightarrow \geq 4' 6' 4' 6' 6' NOT LESS THAN 50' - WHITE LETTERS DESIGNATED BICYCLE LANE NO PARKING **2**d URBAN BICYCLE LANE Ö MARKING Ö 29 ပ STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 15 APPROVED /S/ Thomas N. Notbohm STATE TRAFFIC ENGINEER OF DESIGN Ω

GENERAL NOTES

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

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



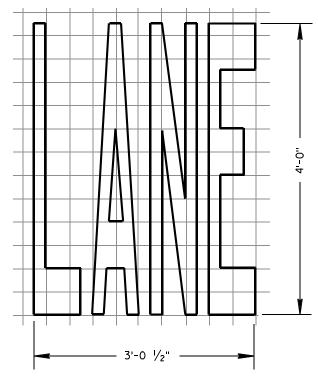
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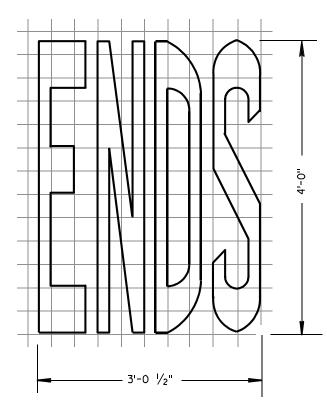
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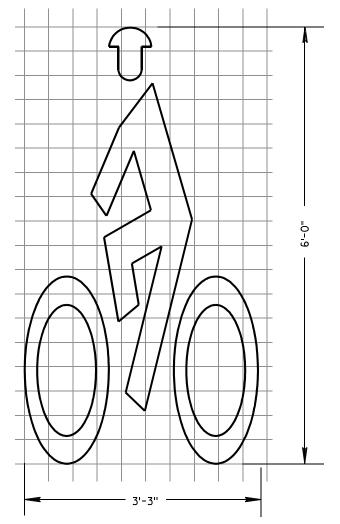
15

29

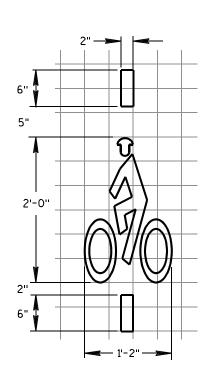




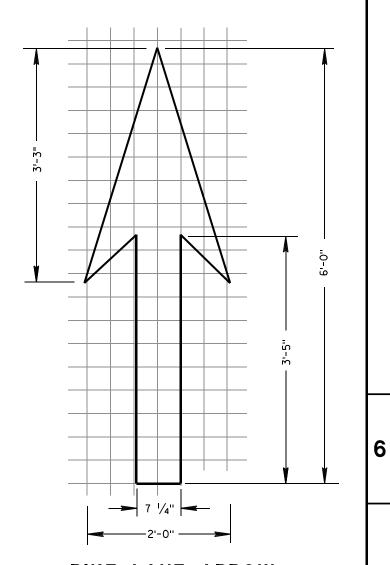
BIKE LANE WORDS



BIKE LANE SYMBOL



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE ARROW

PAVEMENT MARKING FOR BIKE LANES

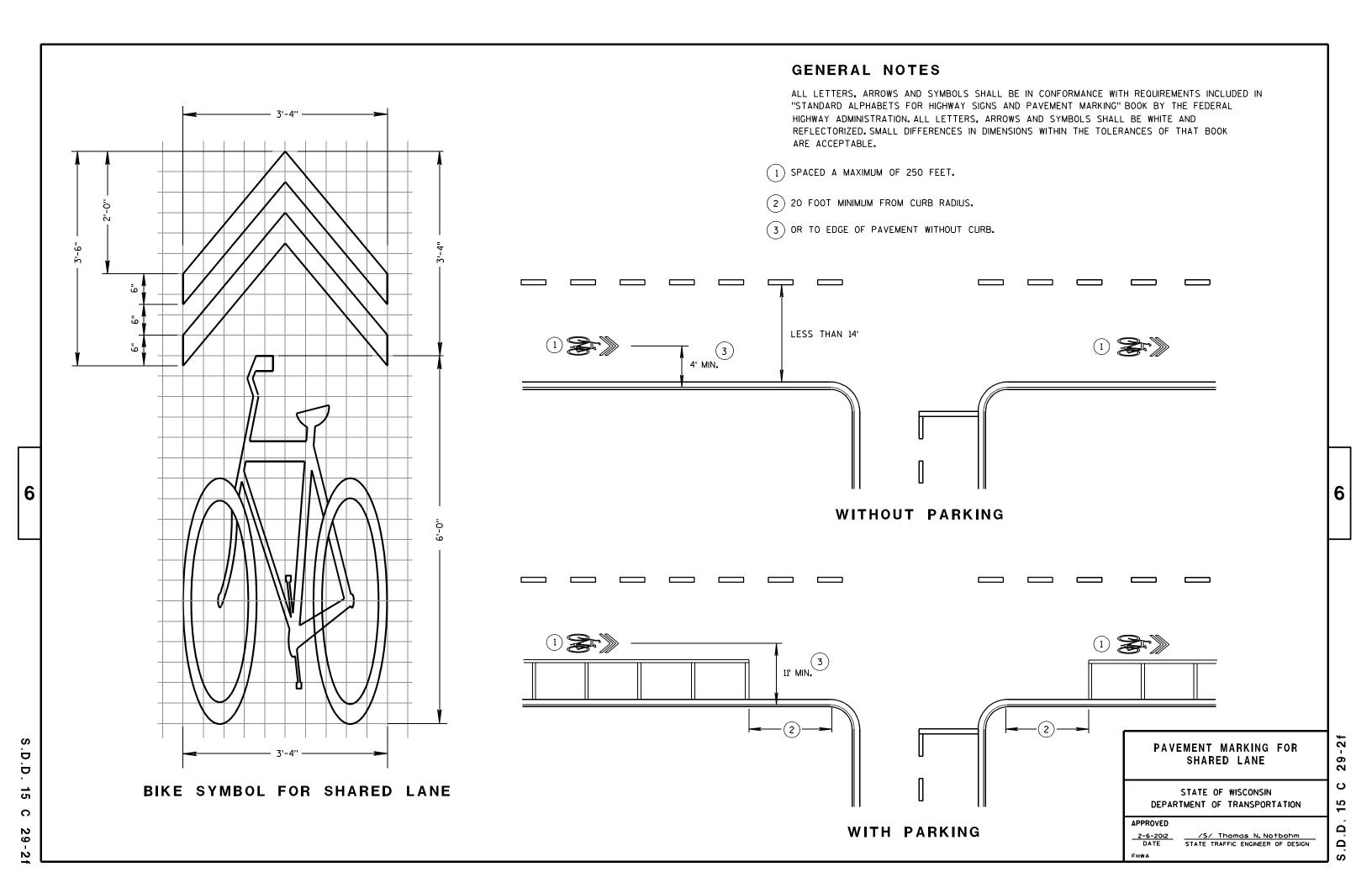
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

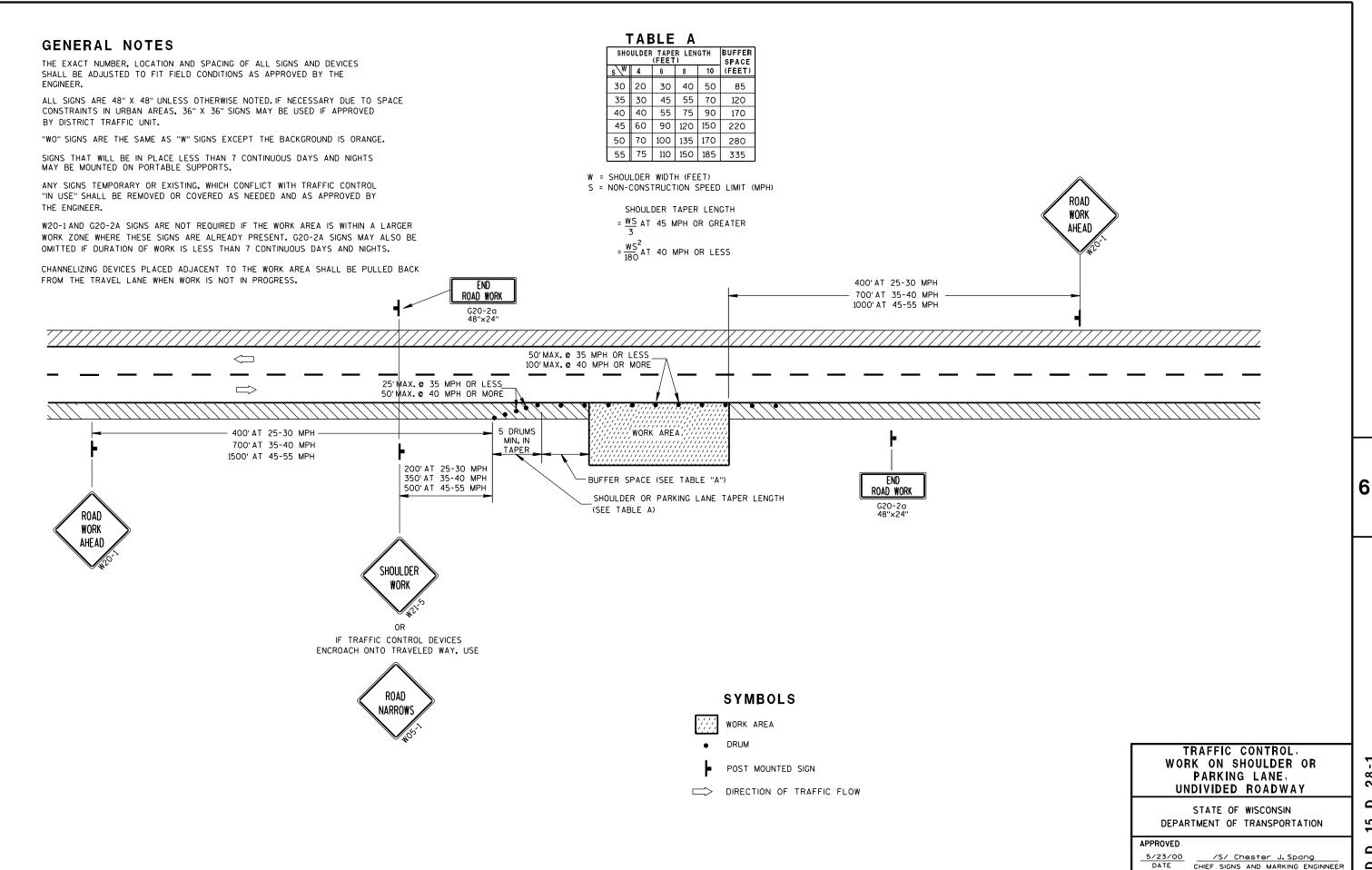
PPROVED

2-6-2012 /S/ Thomas N. No+bohm

DATE STATE TRAFFIC ENGINEER OF DESIGN

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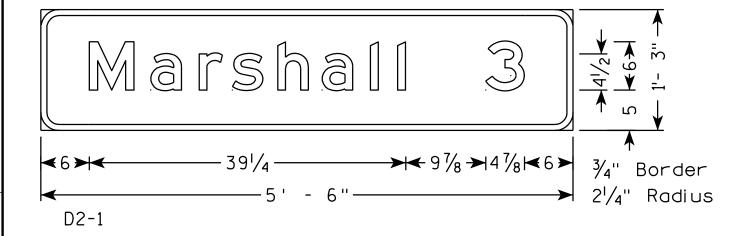
N Ω

NOTES

- 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: 3050-02-62 HWY: STH 19 COUNTY: JEFFERSON PERMANENT SIGNING SHEET NO: E

FILE NAME: C:\CAEFiles\Projects\tr_d1\1281ad12.dgn PLOT DATE: 19-DEC-2012 11:04 PLOT BY: mscj9h PLOT NAME:

PLOT SCALE : 11.908552:1.000000

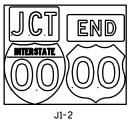
WISDOT/CADDS SHEET 42

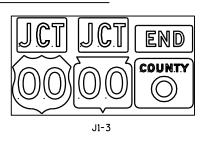
TYPICAL ASSEMBLIES



North

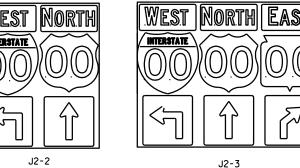
INTERSTATE

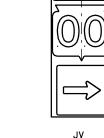




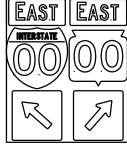


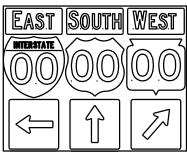






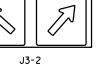
J2-1

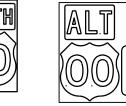


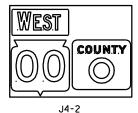


J3-3













EAST

J32-1

IMTERSTATE





J33-1





J23-1

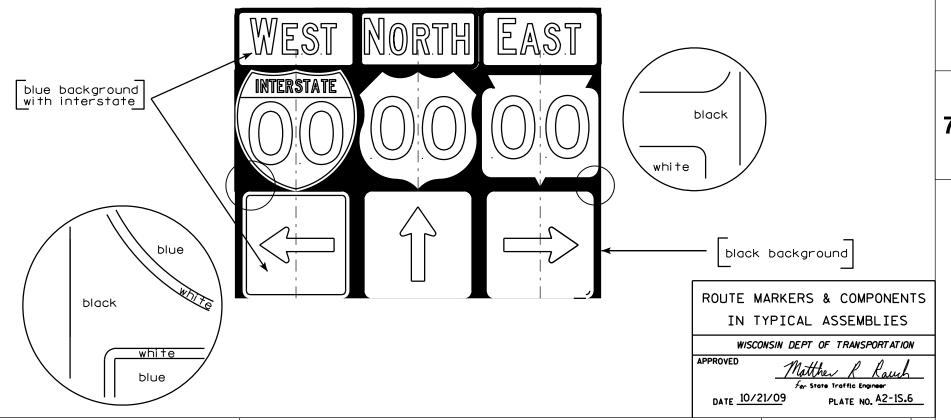


NOTES

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

Background - Black Non-reflective Message - see Note 5

- 3. Message Series See Note 5
- 4. Corners shall be square since base material is plywood.
- 5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
- 6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
- 7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
- 8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
- 9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



PROJECT NO:

J13-1

COUNTY

FRONTAGE

ROAD

SHEET NO:

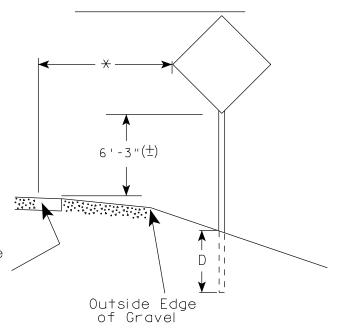
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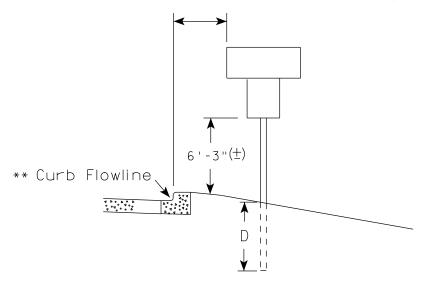
URBAN ARFA

2' Min - 4' Max (See Note 5) 7'-3"(士) ** Curb Flowline. D White Edgeline Location

RURAL ARFA (See Note 2)



2' Min - 4' Max (See Note 5)



5'-3"(士) White Edgeline D 11 Location Outside Edae of Gravel

 $\mid_{X|X}$ 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

* 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.

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), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of $4'-3''(\pm)$.

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

Matther R Raud for State Traffic Engineer

DATE 9/21/2011

PLATE NO. 44-3.16

SHEET NO:

PROJECT NO:

HWY:

COUNTY:

PLOT NAME :

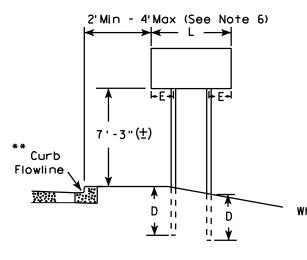
PLOT SCALE: 101.303739:1.000000

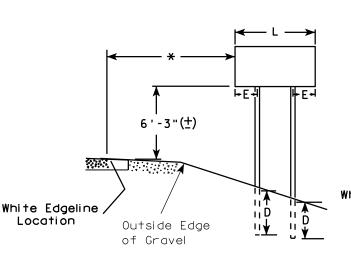
WISDOT/CADDS SHEET 42

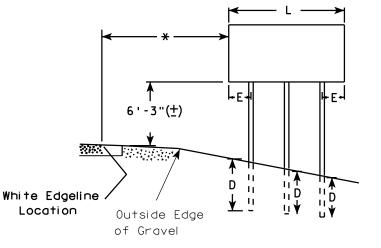
measured from the flow line.

URBAN AREA

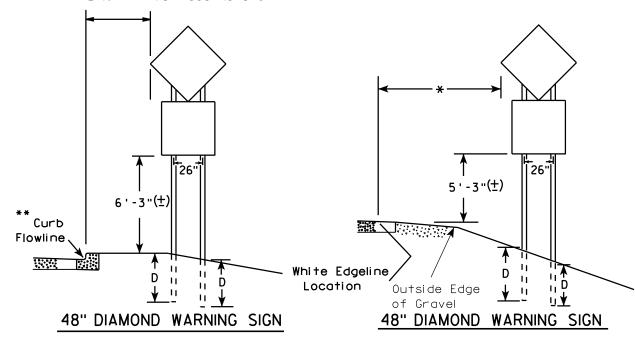
RURAL AREA (See Note 3)











SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE		SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E	L	E
Greater than 48" Less than 60"	12"	Greater than 120" less than 168"	12"
60" to 120"	L/5	1000 111011 100	

HWY:

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

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" (\pm).
- * 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

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

PLOT NAME :

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

DATE 9/21/2011

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\A44.DGN

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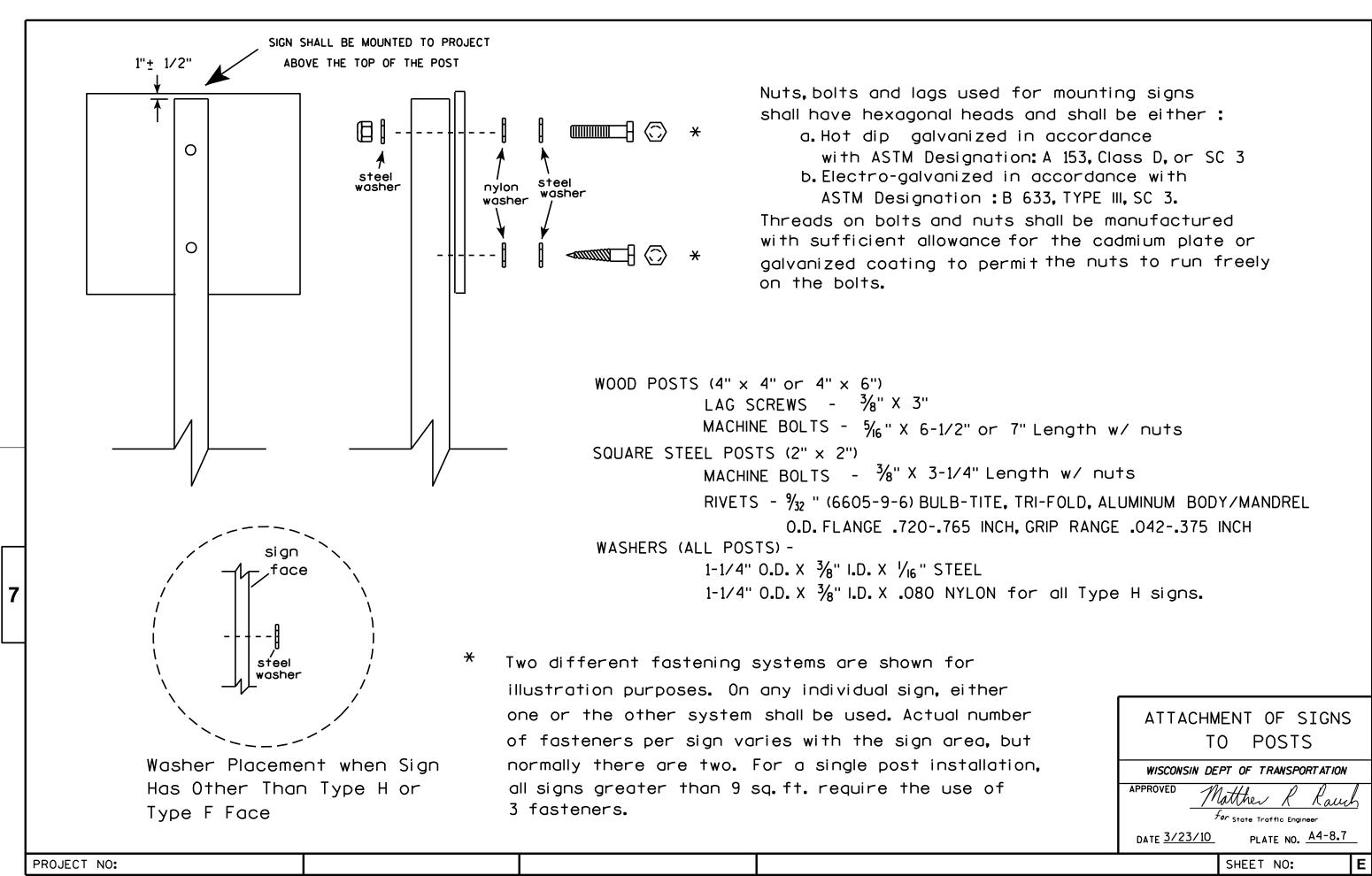
PROJECT NO:

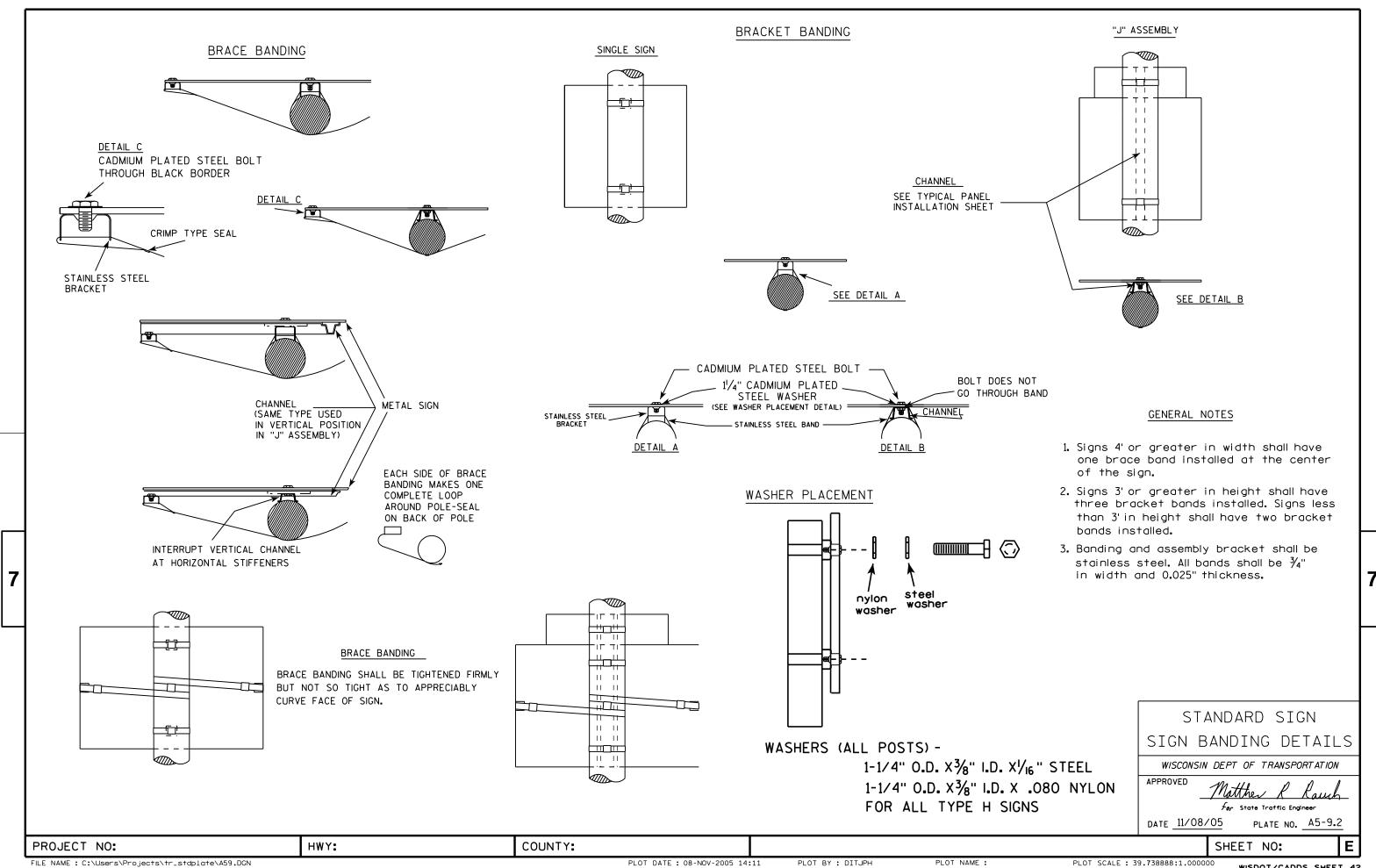
PLOT DATE: 21-SEP-2011 13:36

PLOT BY: mscsia

PLOT SCALE: 109.249131:1.000000 WISDOT/CADDS SHEET 42

COUNTY:





NOTES

- 1. Sign is Type II See Note 6 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White & Black - See Note 6 Message - Black

- 3. Message Series See note 5
- 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 Series numerals and adjust spacing as per plate A10-1.
- 6. Permanent Signs
 Background Type H Reflective
 Detour or temporary Signs
 Background Reflective

BLACK	↑ G → ↑ F → → ↑ → → → → → → → → → →
Metric equivalent for this sign is:	

HWY:

900 mm X 900 mm

5 900 mm X 900 mm

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	w	Х	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 %	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0	. 36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	. 81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
ب			- / -			1 .0	74	74	78	78	12 /6	/8	- /2	_ /8	10 78				<u> </u>	<u> </u>		1	<u> </u>				J.0	_

COUNTY:

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

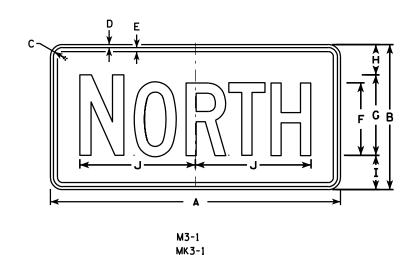
APPROVED

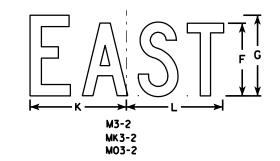
The state Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

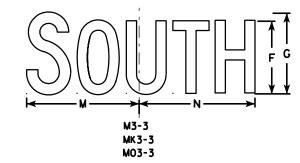
SHEET NO:

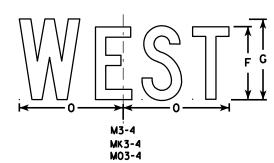
PLOT NAME :



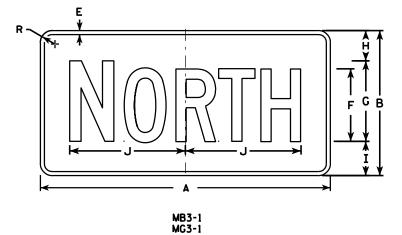


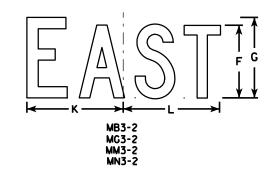
MO3-1





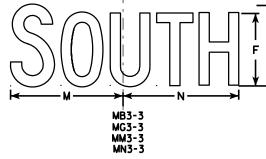
HWY:

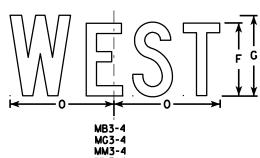




MM3-1

MN3-1





<u>NOTES</u>

- 1. All Signs Type II See Note 5 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See note 5 Message - See note 5

- 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.
- 5. M3-1 thru M3-4 Background White Type H Reflective (Detour or temporary signs Reflective) Message Black
 - MB3-1 thru MB3-4 Background Blue Message - White - Type H Reflective (Detour or temporary signs - Reflective)
 - MG3-1 thru MG3-4 Background Green

 Message White Type H Reflective
 - MK3-1 thru MK3-4 Background Green

 Message White Type H Reflective
 - MM3-1 thru MM3-4 Background White Type H Reflective Message Green
 - MN3-1 thru MN3-4 Background Brown
 Message White Type H Reflective
 - M03-1 thru M03-4 Background Orange Reflective Message Black
- 6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	כ	٧	W	X	Y	Z	Areo sq. ft.
1																											
2	24	12	1 1/8	3/8	3⁄8	6	7	2 1/4	2 3/4	10 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 ¾			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

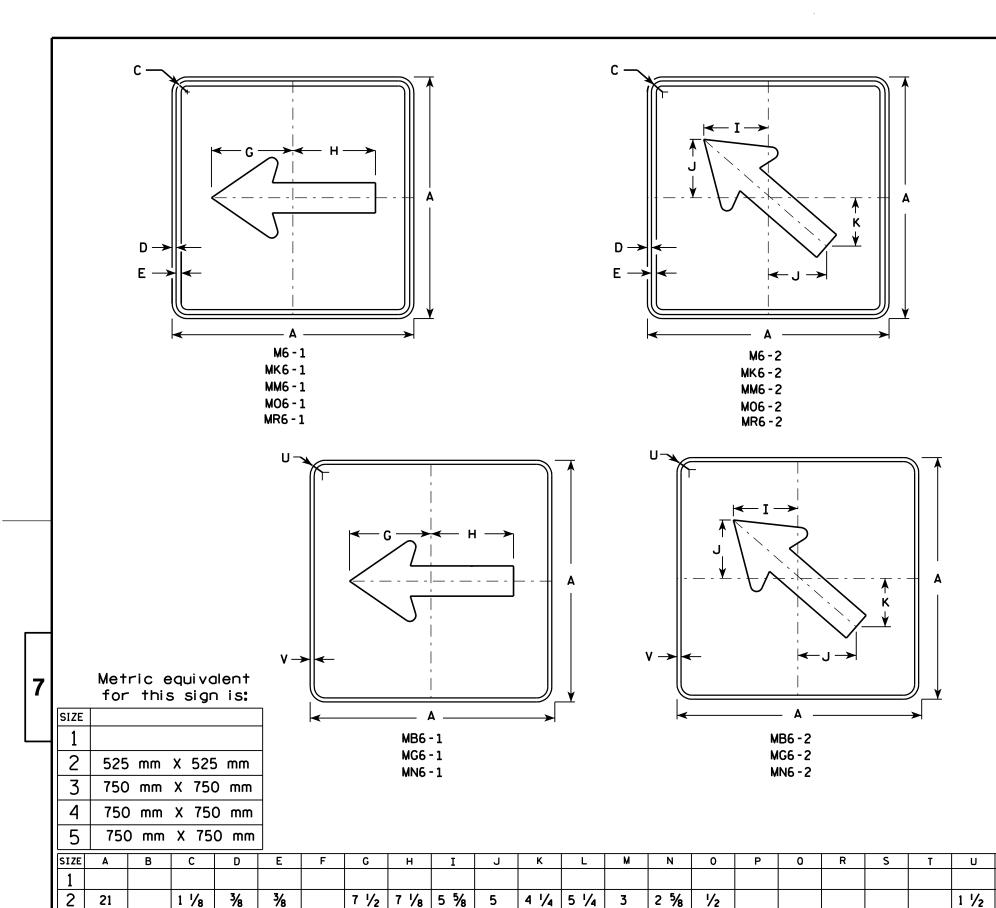
For State Traffic Engineer

DATE 11/10/10 PLATE NO. M3-1.12

SHEET NO: E

PROJECT NO:

PLOT NAME :



NOTES

- 1. Signs are Type II See Note 4 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See note 4 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. M6-1 and M6-2 Background White Type H Reflective
 (Detour or temporary Signs Reflective)
 Message Black
 - MB6-1 and MB6-2 Background Blue

 Message White Type H Reflective

 (Detour or temporary Signs Reflective)
 - MG6-1 and MG6-2 Background Green

 Message White Type H Reflective
 - MK6-1 and MK6-2 Background Green

 Message White Type H Reflective
 - MM6-1 and MM6-2 Background White Type H Reflective Message Green
 - MN6-1 and MN6-2 Background Brown

 Message White Type H Reflective
- M06-1 and M06-2 Background Orange Reflective Message - Black

Area Area sq. ft. m2

6.25 0.56

0.28

0.56

0.56

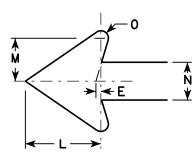
3.06

6.25

6.25

MR6-1 and MR6-2 Background - Brown

Message - Yellow - Type H Reflective



1/2

1/2

1/2

1 1/8

1 %

1 %

PLOT BY: dotsja

STANDARD	SIGN
M6-1 & N	<i>1</i> 6 - 2
SERIE	<u>-</u> S

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 3/16/10 PLATE NO. M6-1.12

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M61.DGN

1 3/8

1 3/8

1 3/8

1/2

1/2

1/2

5/8

5/8

10 3/4 10 1/4 8

10 3/4 10 1/4 8

10 3/4 10 1/4 8

HWY:

7 1/4

7 1/4

7 1/4

6

6

7 1/2

7 1/2

4 1/4 3 3/4

4 1/4 3 3/4

COUNTY:

7 1/2 4 1/4 3 3/4

3

4

5

30

30

30

PROJECT NO:

PLOT DATE: 16-MAR-2010 09:58

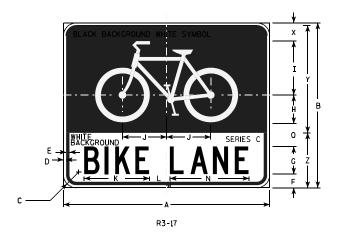
3/4

3/4

PLOT NAME :

PLOT SCALE: 11.918087:1.000000

WISDOT/CADDS SHEET 42



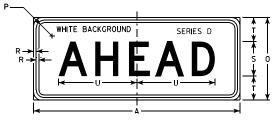
NOTES

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

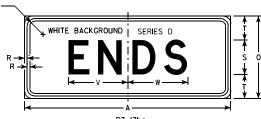
Background - AS SHOWN

Message - BLACK

- 3. Message Series C or as noted on the Signs.
- 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.



R3-17ap



R3-17bp

																											R3-17	R3-17ap	R3-17bc
SEZE	Α	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	*	Х	Y	Z	Arec	ared sq. 11	Areg 84, 11,
1																													
2S	30	24	1 1/8	3∕8	1/2	2	4	4 1/8	7 1/8	6 %	9 1/2	2 %	⅓	13	12	1 1/8	3 %	3∕8	5	3 1/2	11 3/8	8 %	8 ¾	2 3/8	15 %	8	5.0	2.5	2.5
2M	30	24	1 1/8	3∕8	1/2	2	4	4 1/8	7 1/8	6 %	9 1/2	2 %	%	13	12	1 1/8	3 %	3∕8	5	3 1/2	11 3/8	8 %	8 ¾	2 3/8	15 %	8	5.0	2.5	2.5
3																													
4																													
5																													
PR	OJEC1	T NO:																											

STANDARD SIGN R3-17 & R3-17a&bp

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2 SHEET NO:

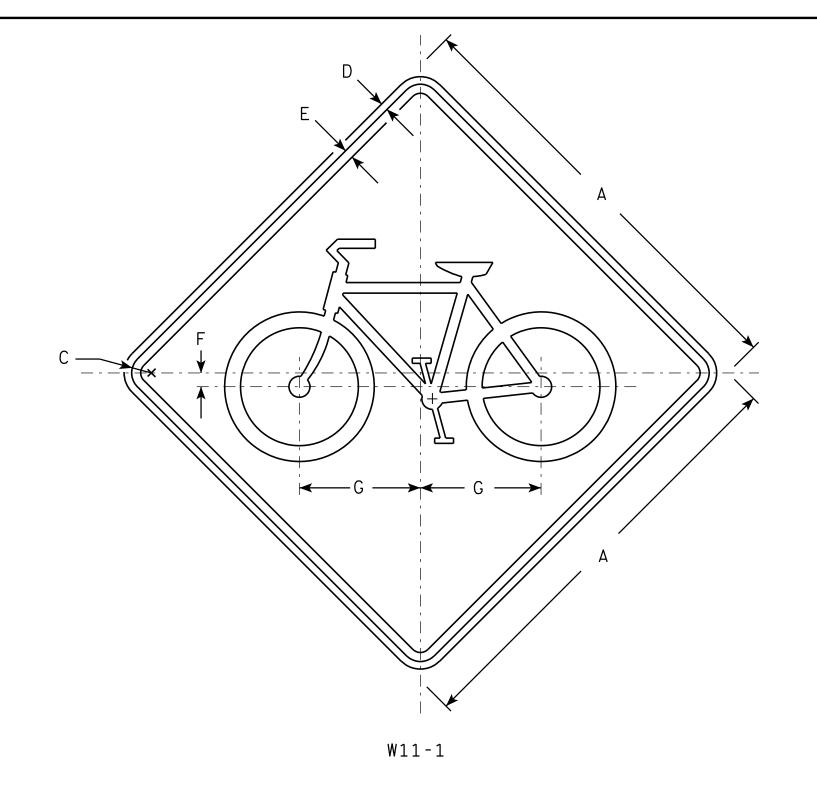
PLOT DATE: 12-APR-2011 11:25

<u>NOTES</u>

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

Background - Yellow Message - Black

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.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	×	Y	Z	Area sq. ft.
1	24		1 1/8	3/4	1/2	3/4	6 %																				4.0
2S	30		1 3/8	1/2	5/8	1	8 1/2																				6.25
2M	36		1 5/8	5/8	3/4	1 1/4	10																				9.0
3	36		1 5/8	5/8	3/4	1 1/4	10																				9.0
4	48		2 1/4	3/4	1	1 %	13 %																				16.0
5										·																	16.0
		_								_							_									·	

COUNTY:

STANDARD SIGN W11-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Raugh

For State Traffic Engineer

DATE 12/21/10

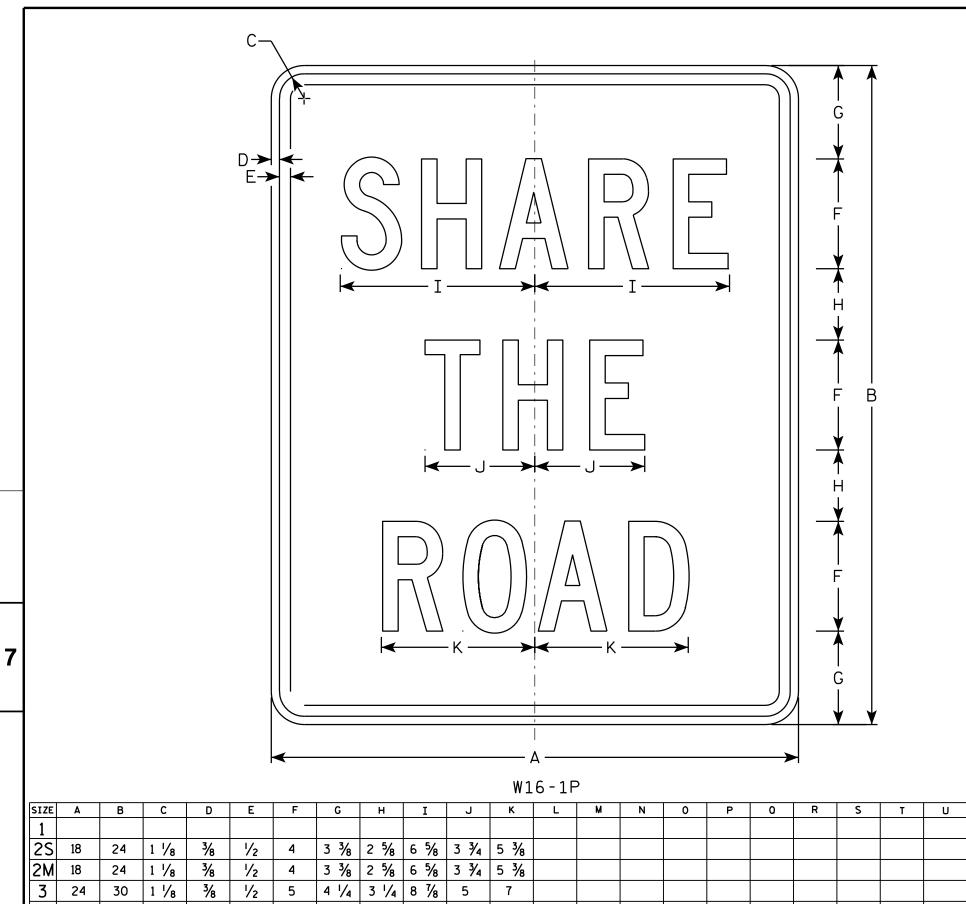
PLATE NO. W11-1.9

SHEET NO:

PROJECT NO:

HWY:

PLOT NAME :



4 1/4 3 1/4 8 7/8 5

HWY:

NOTES

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

Background - Yellow Message - Black

- 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.

STANDARD SIGN W16-1P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 6/2/10 PLATE NO. W16-1P.1

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W161P.DGN

1 1/8

4

5

24

PROJECT NO:

30

PLOT DATE: 02-JUN-2010 16:12

COUNTY:

PLOT BY: ditjph

3.0

3.0

5.0

5.0

PLOT NAME :

PLOT SCALE: 4.369966:1.000000

WISDOT/CADDS SHEET 42

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

MAY 2013

ORDER OF SHEETS

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

Section No. 6 Standard Detail Drawings

Section No. 7 Sign Plates

TOTAL SHEETS = 76

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY REHABILITATION-MAINTENANCE PROJECT

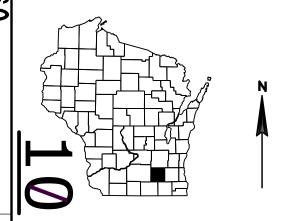
LAKE MILLS - WATERLOO

(IH 94 - SVL WATERLOO)

STH 89

JEFFERSON COUNTY

STATE PROJECT NUMBER 3290-00-60



END PROJECT

DESIGN DESIGNATION

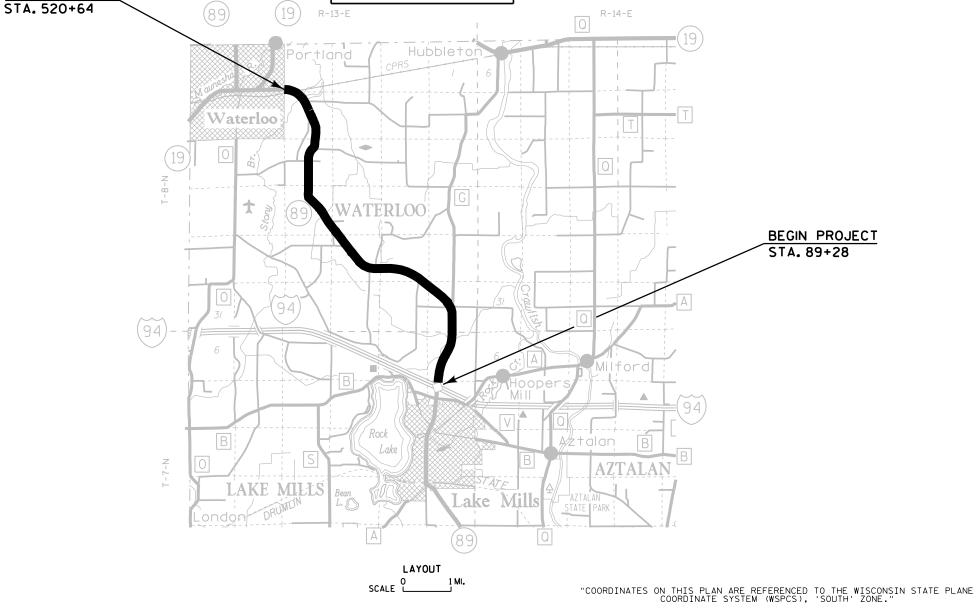
A.A.D.T. (2023) = 3800 D.H.V. = 6.5 = 60/40 D.D. = 7.8% DESIGN SPEED = 55 mph ESALS = N/A

CONVENTIONAL SYMBOLS

POWER POLE

TELEPHONE POLE

PLAN CORPORATE LIMITS REFERENCE LINE COMBUSTIBLE FLUIDS UTILITIES ELECTRIC FIBER OPTIC SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL



ORIGINAL PLANS PREPARED BY

FEDERAL PROJECT

CONTRACT

PROJECT

STATE PROJECT

3290-00-60



PEOPLE WHO CARE, CREATING QUALITY TRANSPORTATION TODAY AND TOMORROW

WISDOT SOUTHWEST REGION - MADISON OFFICE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor

GREG SYZMANSKI TERI SCHOPP

Regional Supervisor KURT JOHNSON C.O. Examiner

DATE: 1/29/13

Ь

TOTAL NET LENGTH OF CENTERLINE = 8.06 MI.

"ALIGNMENT IS FOR REFERENCE ONLY"

PLOT NAME :

CONTACT/ADDRESS **UTILITY TYPE** UTILITY/MUNICIPALITY AT&T LEGACY - COMMUNICATION LINE Carl Donahue

AT&T Legacy Communication Line

866 Rock Creek Rd Plano II 60545 (715) 833-2054 cdonahue@att.com

COMMUNICATION

CHARTER COMMUNICATIONS Brandon Storm COMMUNICATION Charter Communications- Communication Line

2701 Daniels St Madison, WI 53718 (608) 274-3822

brandon.storm@chartercom.com

FRONTIER COMMUNICATIONS Robert Church COMMUNICATION Frontier Communications of WI LLC -

Communication Line 118 Division Street Plymouth, WI 53073 (608) 837-1881 robert church@ftr net

WISCONSIN DEPT. OF TRANSPORTATION COMMUNICATION Jeff Madson

Wisconsin Department of Transportation -

Communication Line 433 W. St. Paul Ave. Milwaukee, WI 53203-3007 (414) 225-3723 Jeffrey.Madson@dot.wi.gov

MCLEOD USA TELCOMMUNICATION COMMUNICATION Jim Kostuch

McLeod USA Telcommunication Services Inc -Communication Line

13935 Bishops Dr Brookfield WI 53005 (262) 792-7938 Jamés.Kostuch@windstream.com

ELECTRIC AMERICAN TRANSMISSION CO Mike Olsen

ATC Management, Inc. - Electricity 801 O'keefe Rd

P.O. Box 6113 De Pere, WI 54115-6113 (920) 338-6582 molsen@atcllc.com

ELECTRIC & GAS/PETROLEUM Dan Sande WE ENERGIES We Energies - Electricity

333 W Everett St Milwaukee, WI 53203 (414) 221-4578

Dan Sande@we-energies.com

LAKE MILLS LIGHT AND WATER DEPT. Steve Wilke Lake Mills Light And Water Dept -

Electricity/ Water 307 N Cp Ave Lake Mills, WI 53551 (920) 648-8934 twhitcomb@wppisys.org

WATERLOO WATER & LIGHT Frederick Holaus ELECTRIC

Waterloo Water & Light - Electricity 122 S Monroe St Waterloo, WI 53594

(920) 478-2260 wlooch@hurleycomputers.com

PORTLAND TOWN OF SANITARY DISTRICT #1 Nancy Thompson

Portland Town of Sanit Dist #1 - Sewer N197 Columbus St

Waterloo, WI 53594 (920) 478-9735

WATERLOO WATER & LIGHT COMMISSION Waterloo Water And Light Commission

575 Commercial Ave Waterloo, WI 53594-2400

SHEET

SEWER

WATER

ELECTRIC & WATER

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATION HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS' HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

GENERAL NOTES

IF UTILITY CONFLICTS OCCUR DURING CONSTRUCTION FACILITIES ADJUSTMENTS WILL BE COORDINATED WITH CONTRACTOR. IF THERE ARE CONFLICTS WITH SIGNS, OR OTHER WORK UNDER PROJECT, THE CONTRACTOR WILL WORK AROUND THE UTILITY FACILITIES.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/INCH.

APPLY TACK COAT TO MILLED SURFACES. THE RATE OF APPLICATION IS 0.025 GALLONS PER SQUARE YARD OR AS DIRECTED BY THE ENGINEER.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OPERATIONS REQUIRE THEIR REMOVAL OR UNLESS THE ENGINEER APPROVES THEIR REMOVAL.

THE LOCATION OF STOP LINES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, ALL SIGNS RELATING TO THIS OPERATION SHALL BE COVERED OR REMOVED AND FACILITY RESTORED TO NORMAL OPERATION.

THE EXACT LOCATIONS AND LIMITS OF PRIVATE ENTRANCES AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

PAVING LIMITS AT INTERSECTIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER AND SHALL HAVE

EXISTING SHOULDER AGGREGATE SHALL BE INCORPORATED INTO THE NEW SHOULDERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN THE FIELD.

CURVE INFORMATION SHOWN ON THE PLANS HAS NOT BEEN VERIFIED BY A FIELD SURVEY. THE ENGINEER SHALL DETERMINE THE APPROPRIATE SUPER-ELEVATION AND RUN-OFF INFORMATION AND PROVIDE TO THE CONTRACTOR PRIOR TO PAVING.

REMOVE AND REPLACE ALL SIGNS AND POSTS WITH NEW SIGNS AND POSTS IN THE SAME GENERAL LOCATION UNLESS OTHERWISE NOTED ON THE PLANS.

HMA PAVEMENT OVERLAY WILL BE PLACED IN ONE LAYER FOR A TOTAL DEPTH OF 2".

SHOULDER WIDENING TO BE PLACED IN 2 LIFTS (2" BINDER, 2" SURFACE).

THE CONTACTOR'S PAVING OPERATIONS SHALL BE CONSISTANT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING. TURNING. PASSING OR PARKING LANE.

EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATIONS IN THE FIELD. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. AT THAT TIME, THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION CONTROL ITEM.

PROTECT WETLANDS AND OTHER WATERWAYS THAT ARE PRESENT WITHIN THE PROJECT LIMITS.

KEEP ALL EQUIPMENT AND MATERIALS OUT OF ENVIRONMENTALLY SENSITIVE AREAS. DO NOT PARK IN THESE AREAS.

DNR CONTACT

Eric Heggelund 3911 Fish Hatchery Road Fitchburg, Wi 53711 (608) 275-3301 Eric.Heggelund@wisconsin.gov

Toll Free (800) 242-8511 Milwaukee Area (414) 259-1181 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

PROJECT NO: 3290-00-60 HWY: STH 89 COUNTY: JEFFERSON GENERAL NOTES

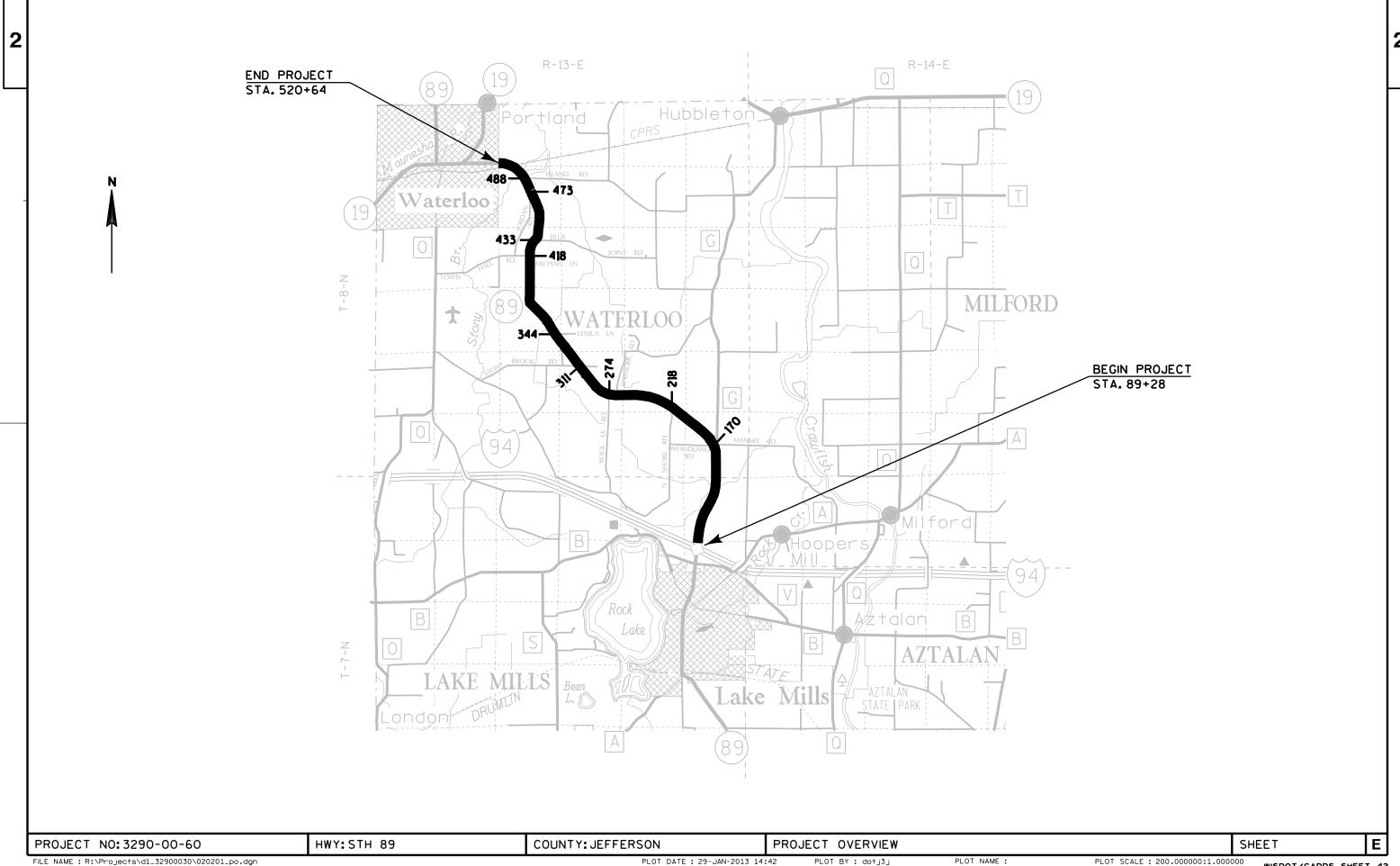
FILE NAME: R:\Projects\d1_32900030\020101_gn.dgn

PLOT NAME:

PLOT BY : dotj3j

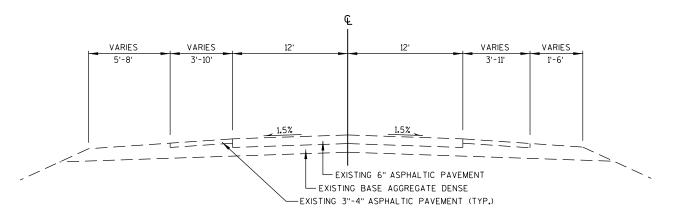
PLOT SCALE: 200.000000:1.000000

WISDOT/CADDS SHEET 42

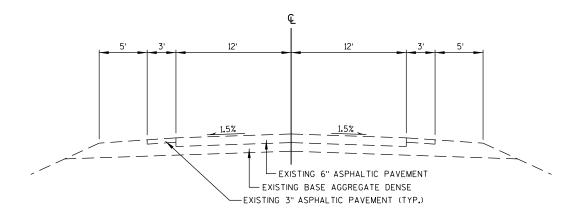


PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42 2





TYPICAL EXISTING SECTION STA. 89+28 - STA. 95+63



TYPICAL EXISTING SECTION STA. 95+63 - STA. 520+64

ROADWAY BORING TABLE

BORING	STATION	LOCATION	ASPHATIC SURFACE	SUBGRADE MATERIAL
1	120+00	SHOULDER	3"	SAND
2	120+00	LANE	8.4"	SAND
3	140+25	LANE	7.8"	SAND
4	175+00	SHOULDER	3"	REPROCESSED BASE
5	175+00	LANE	7.8"	REPROCESSED BASE
6	205+00	SHOULDER	3.6"	SAND
7	205+00	LANE	6"	SAND
8	238+75	LANE	7.2"	SAND
9	275+25	SHOULDER	3.6"	SAND
10	275+25	LANE	6"	SAND
11	303+25	LANE	6"	SAND
12	330+25	SHOULDER	3.6"	SAND
13	330+25	LANE	6"	SAND

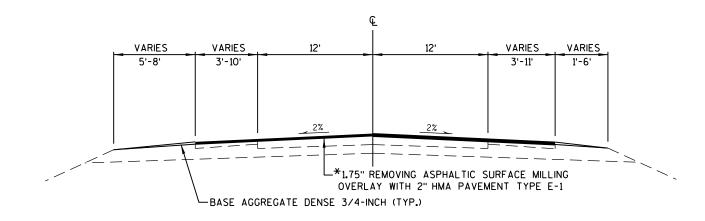
PROJECT NO:3290-00-60 HWY:STH 89 COUNTY:JEFFERSON TYPICAL SECTIONS SHEET E

2

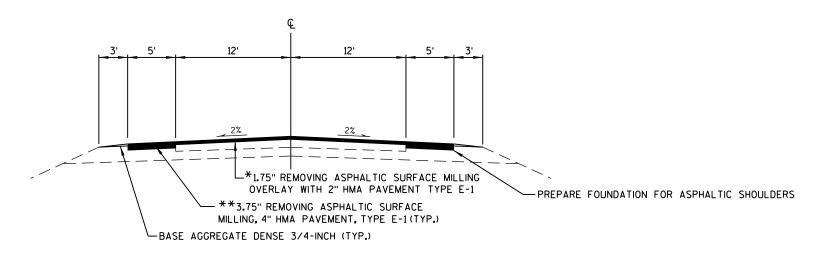
2

* 1.75" MILL DEPTH AT SHOULDER AND A 2% CROWNED CROSS-SLOPE

** 4" HMA PAVEMENT. TYPE E-1 SHALL BE CONSTRUCTED WITH ONE 2" LOWER LAYER & ONE 2" UPPER LAYER. UPPER LAYER SHALL BE PAVED INTERGRALLY WITH MAINLINE DRIVING LANES.



TYPICAL FINISHED SECTION STA. 89+28 - STA. 95+63

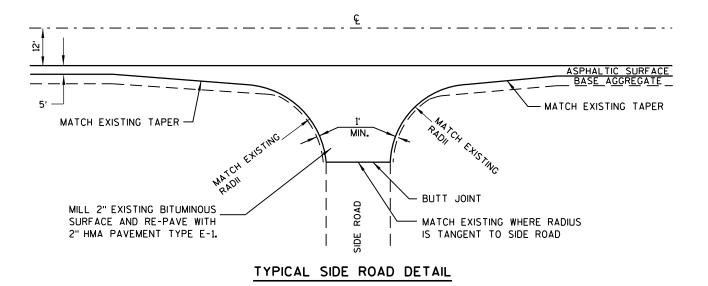


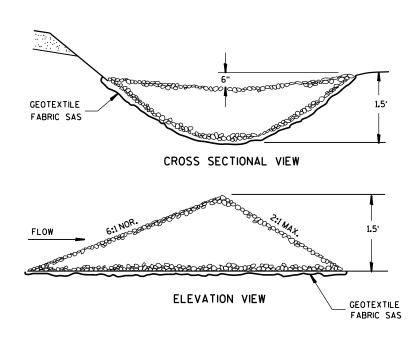
TYPICAL FINISHED SECTION

STA. 95+63 - STA. 520+64

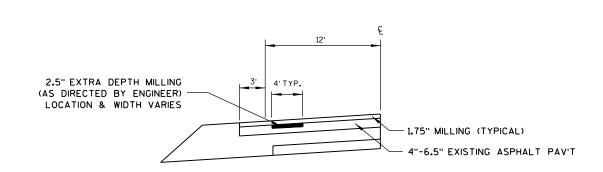
PROJECT NO:3290-00-60 HWY:STH 89 COUNTY:JEFFERSON TYPICAL SECTIONS SHEET E



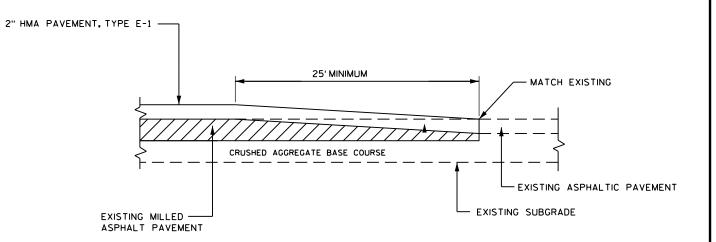








EXTRA DEPTH MILL AND FILL IN SPOT LOCATIONS



BUTT JOINT DETAIL

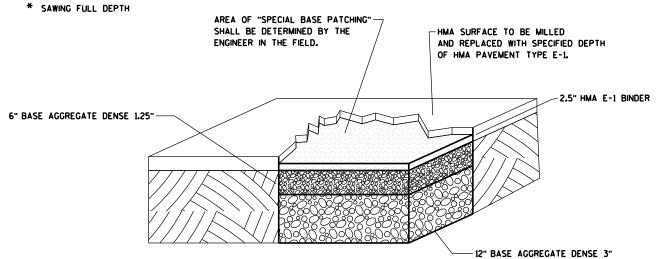
PROJECT NO: 3290-00-60 HWY: STH 89 COUNTY: JEFFERSON CONSTRUCTION DETAILS SHEET E

FILE NAME : R:\Projects\d1_32900030\021001_cd.dgn PLOT DATE : 29-JAN-2013 14:43 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000 WISDOT/CADDS SHEET 42

SPECIAL BASE PATCHING SECTION

* TO BE INCLUDED IN "SPECIAL BASE PATCHING" ITEM:

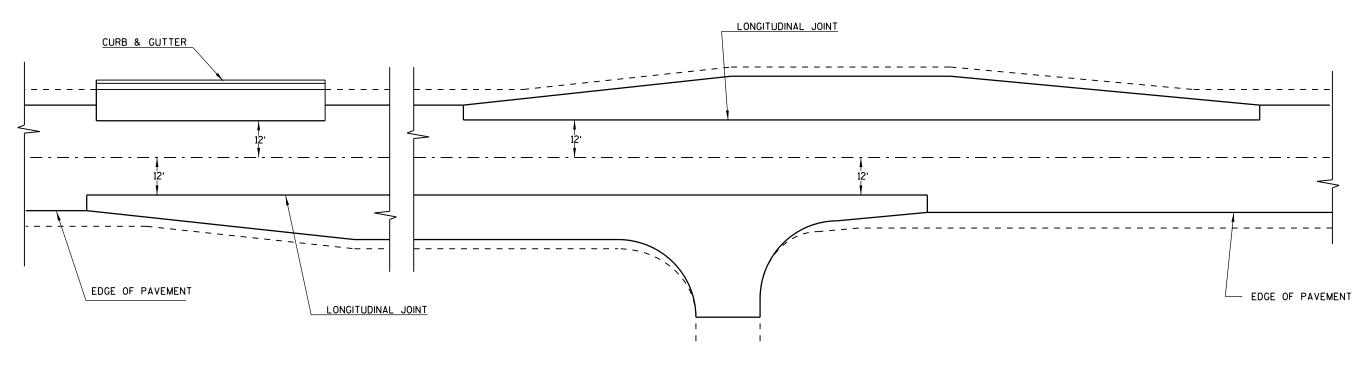
- * 20.5" OF COMMON EXCAVATION
- * 12" OF BASE AGGREGATE DENSE 3-INCH
- * 6" OF BASE AGGREGATE DENSE 1.25-INCH
- * 2.5" OF HMA BINDER MATERIAL



- EDGE OF SHOULDER PAVEMENT —EDGE OF SHOULDER PAVEMENT LIMITS AT APPROACH TO UNPAVED DRIVEWAY PLAN VIEW (PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL

HMA PAVEMENT, TYPE E-1



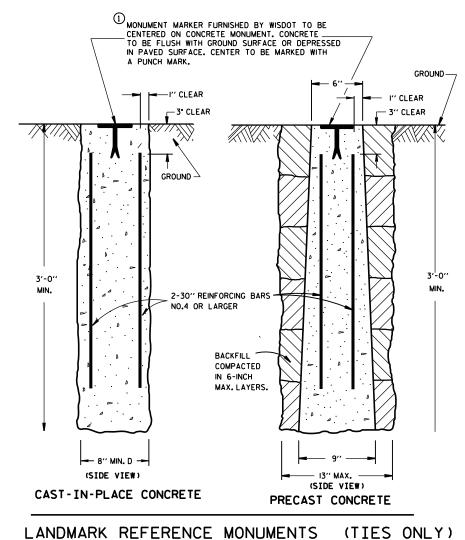
HMA LONGITUDINAL JOINT DETAIL *

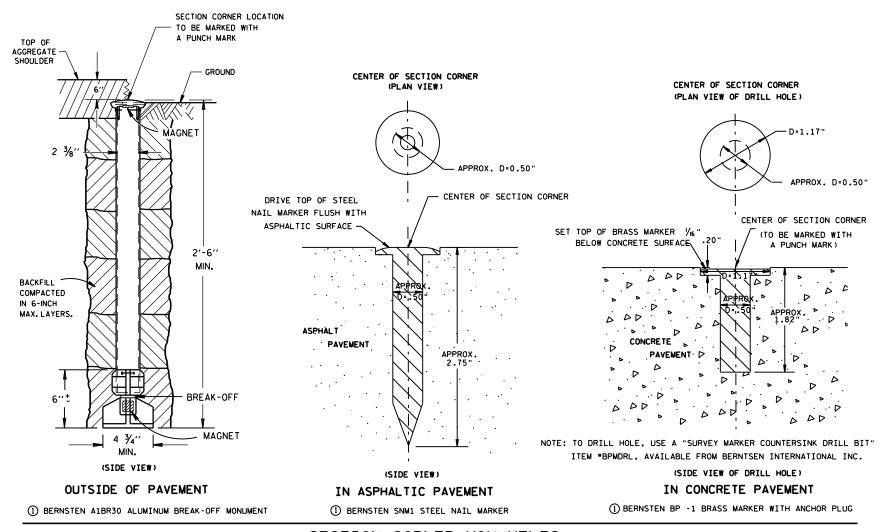
* TO BE USED AT ALL INTERSECTIONS, BYPASS, PASSING LANE AND RURAL CURB SECTIONS

HWY:STH 89 COUNTY: JEFFERSON PROJECT NO: 3290-00-60 CONSTRUCTION DETAILS SHEET

PLOT DATE: 21-FEB-2013 13:39 FILE NAME: R:\Projects\d1_32900030\021001_cd.dgn PLOT BY : dotj3j PLOT NAME: PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42

1 WIS DOT MONUMENT MARKER LOGO





SECTION CORNER MONUMENTS

GENERAL NOTES

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

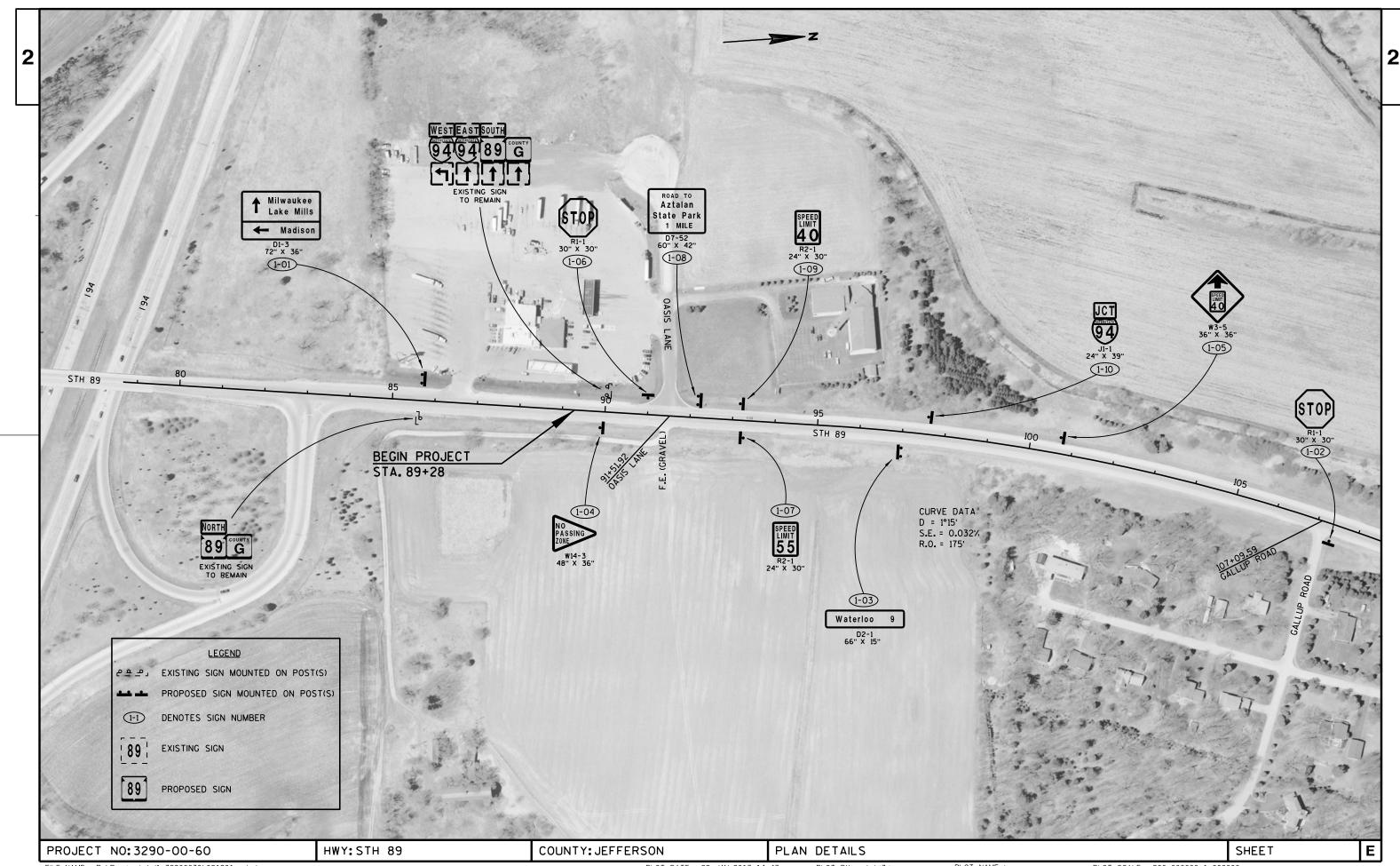
LOCATE LANDMARK REFERENCE MONUMENTS OUTSIDE THE CONSTRUCTION LIMITS AND WITHIN WISDOT RIGHT OF WAY. LOCATION TO BE APPROVED BY THE ENGINEER.

1) THE DISTRICT SURVEY COORDINATOR WILL SUPPLY.

SECTION CORNER MONUMENT AND LANDMARK REFERENCE MONUMENT SPECIAL DETAIL

HWY: STH 89 COUNTY: JEFFERSON PROJECT NO: 3290-00-60 CONSTRUCTION DETAILS SHEET

FILE NAME: R:\Projects\d1_32900030\021001_cd.dgn PLOT DATE: 21-FEB-2013 13:21 PLOT BY : dotj3j PLOT NAME : PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42

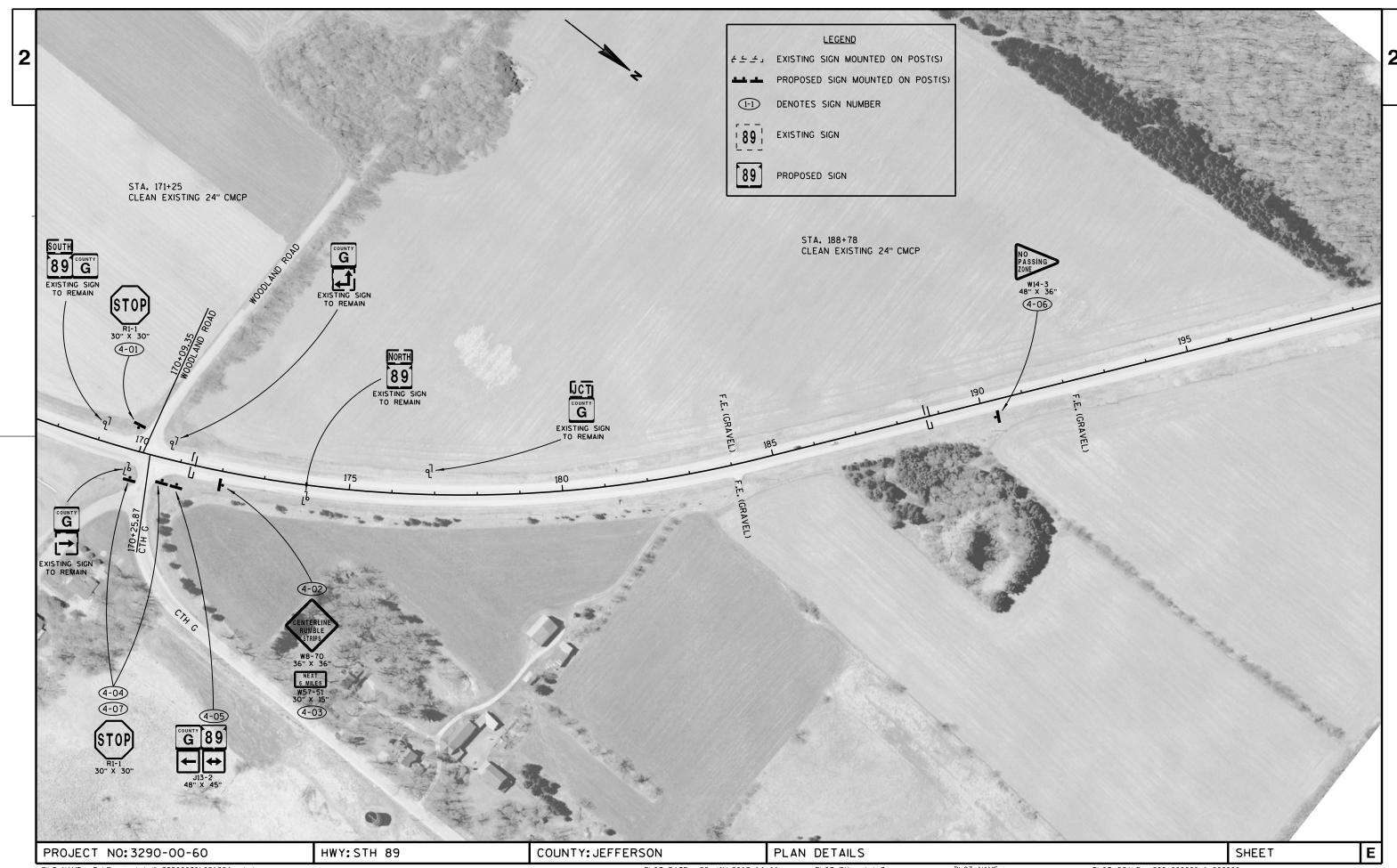


FILE NAME: R:\Projects\d1_32900030\021201_pd.dgn PLOT DATE: 29-JAN-2013 14:43 PLOT BY: dotj3j PLOT NAME: PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42





FILE NAME : R:\Projects\d1_32900030\021203_pd.dgn PLOT DATE : 29-JAN-2013 14:44 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000 WISDOT/CADDS SHEET 42

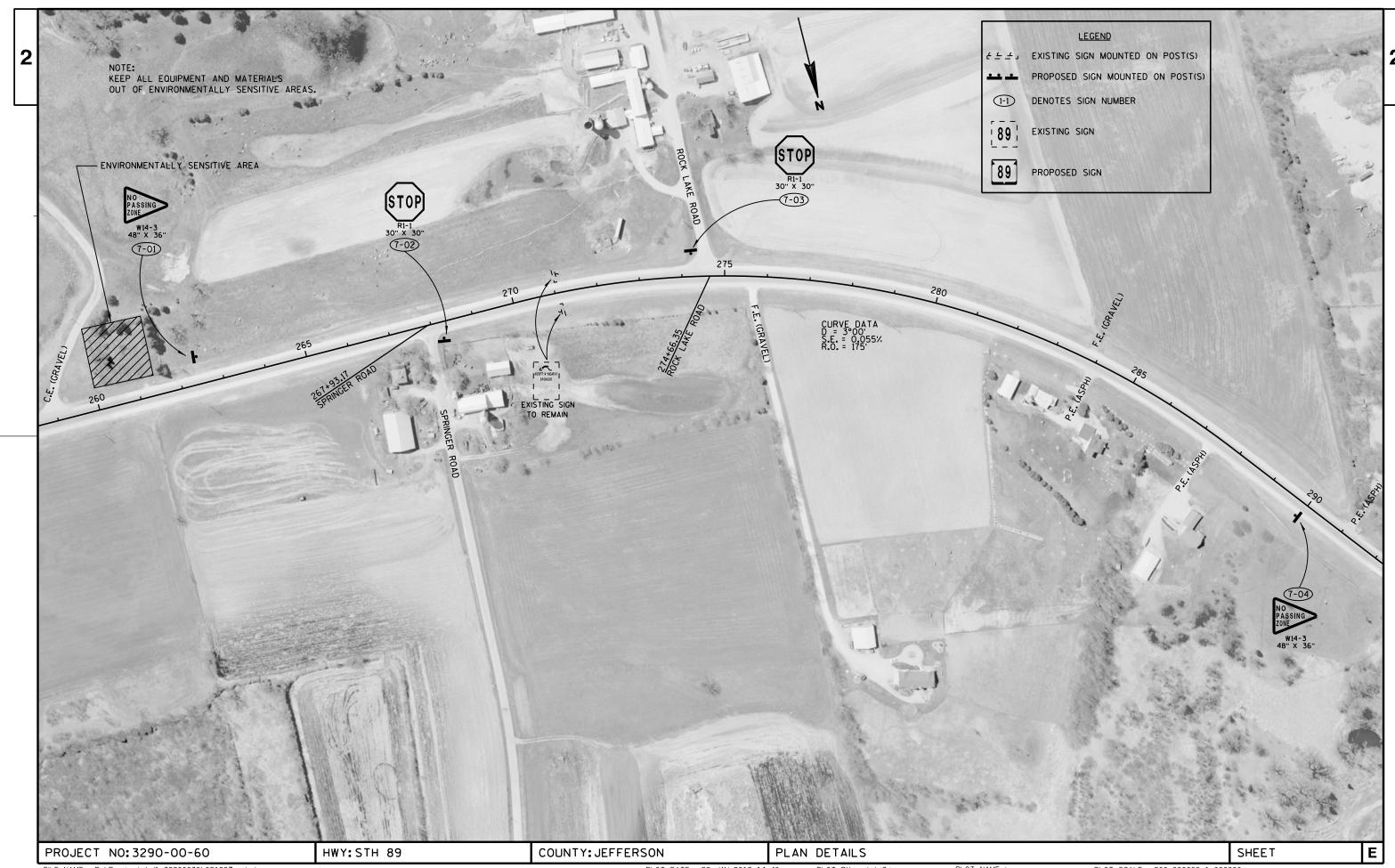


FILE NAME : R:\Projects\d1_32900030\021204_pd.dgn PLOT DATE : 29-JAN-2013 14:44 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000 WISDOT/CADDS SHEET 42



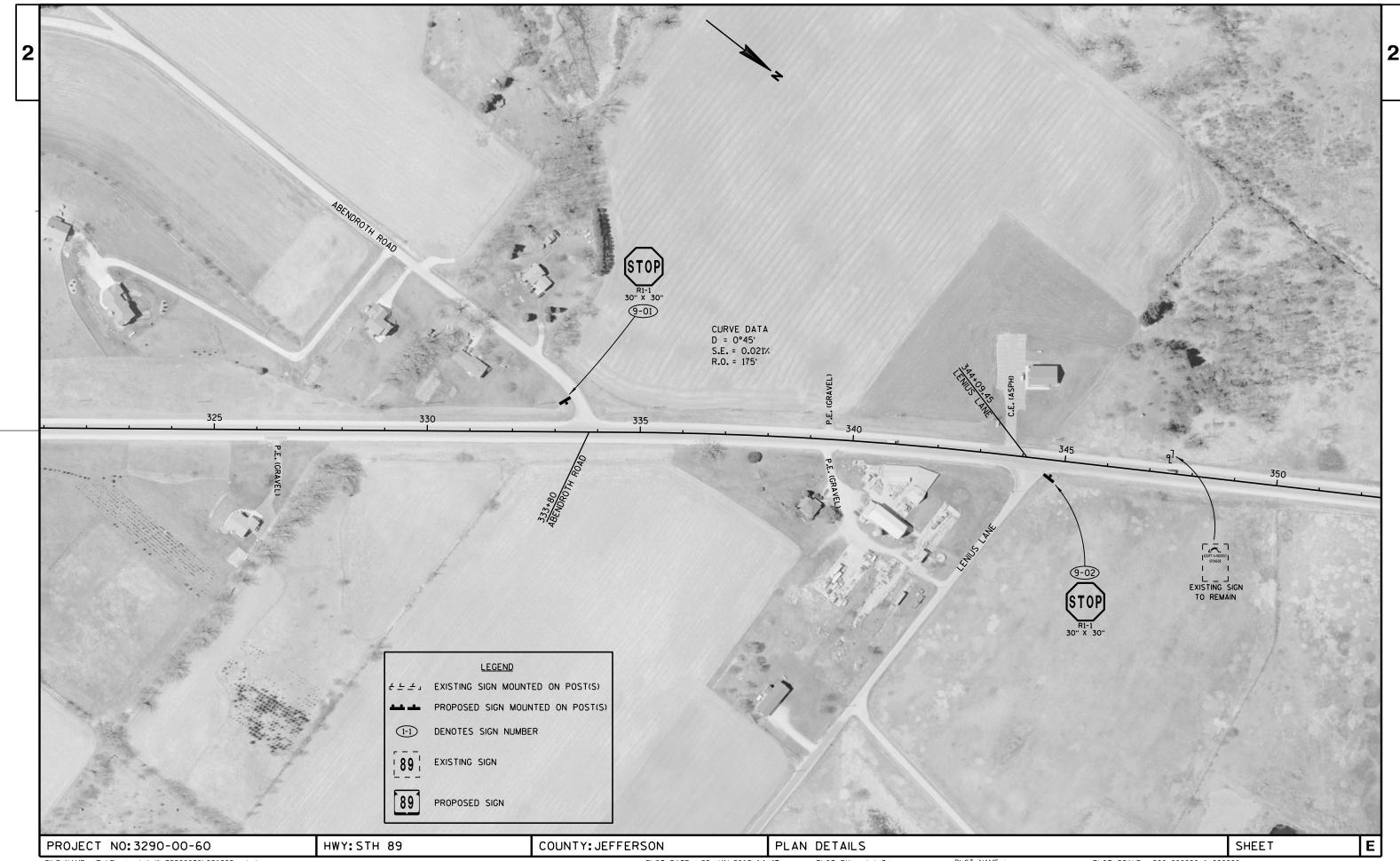


PLOT DATE: 29-JAN-2013 14:46 PLOT NAME : PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42



FILE NAME: R:\Projects\d1_32900030\021207_pd.dgn PLOT BY: dotj3j PLOT NAME: PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42



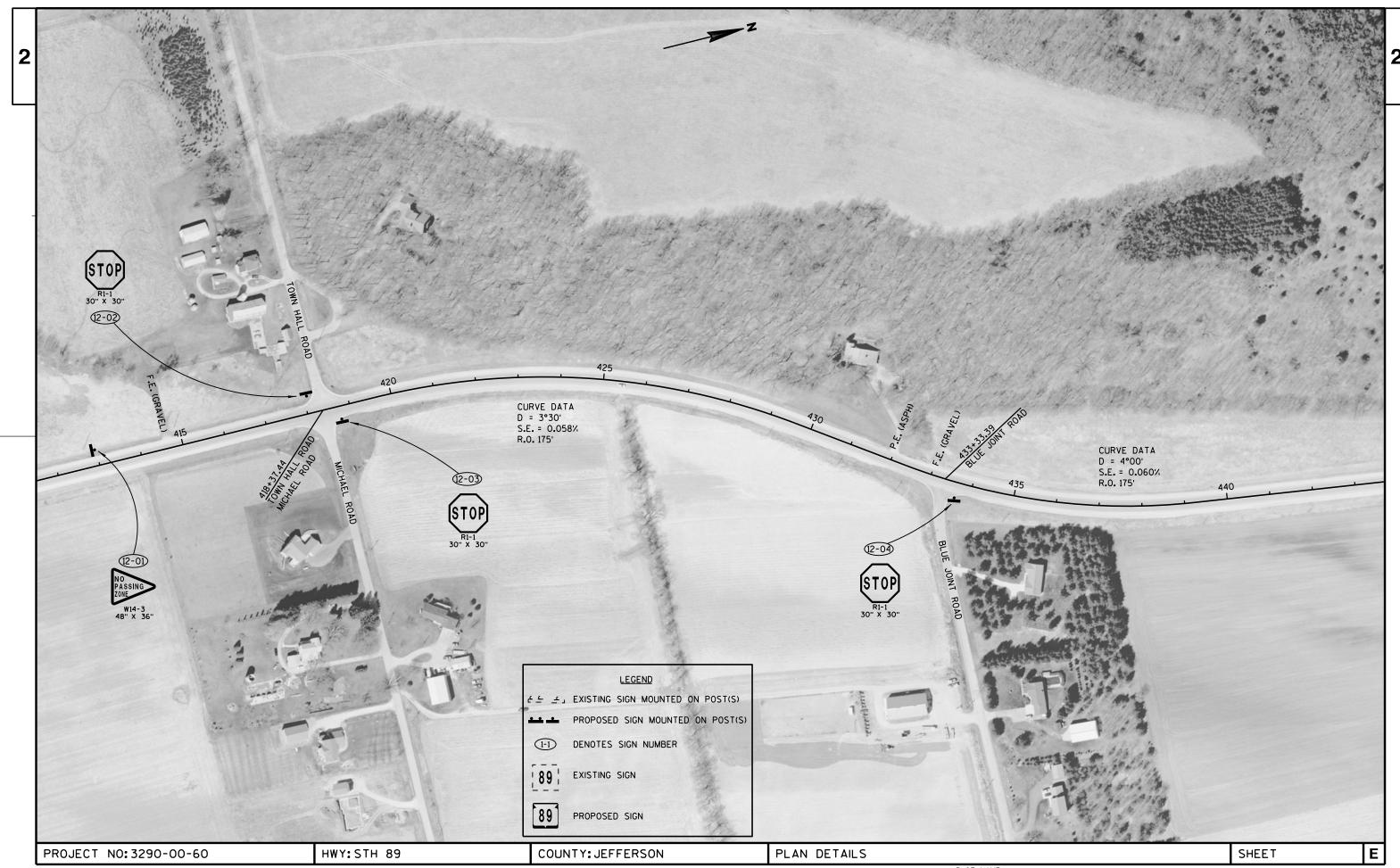




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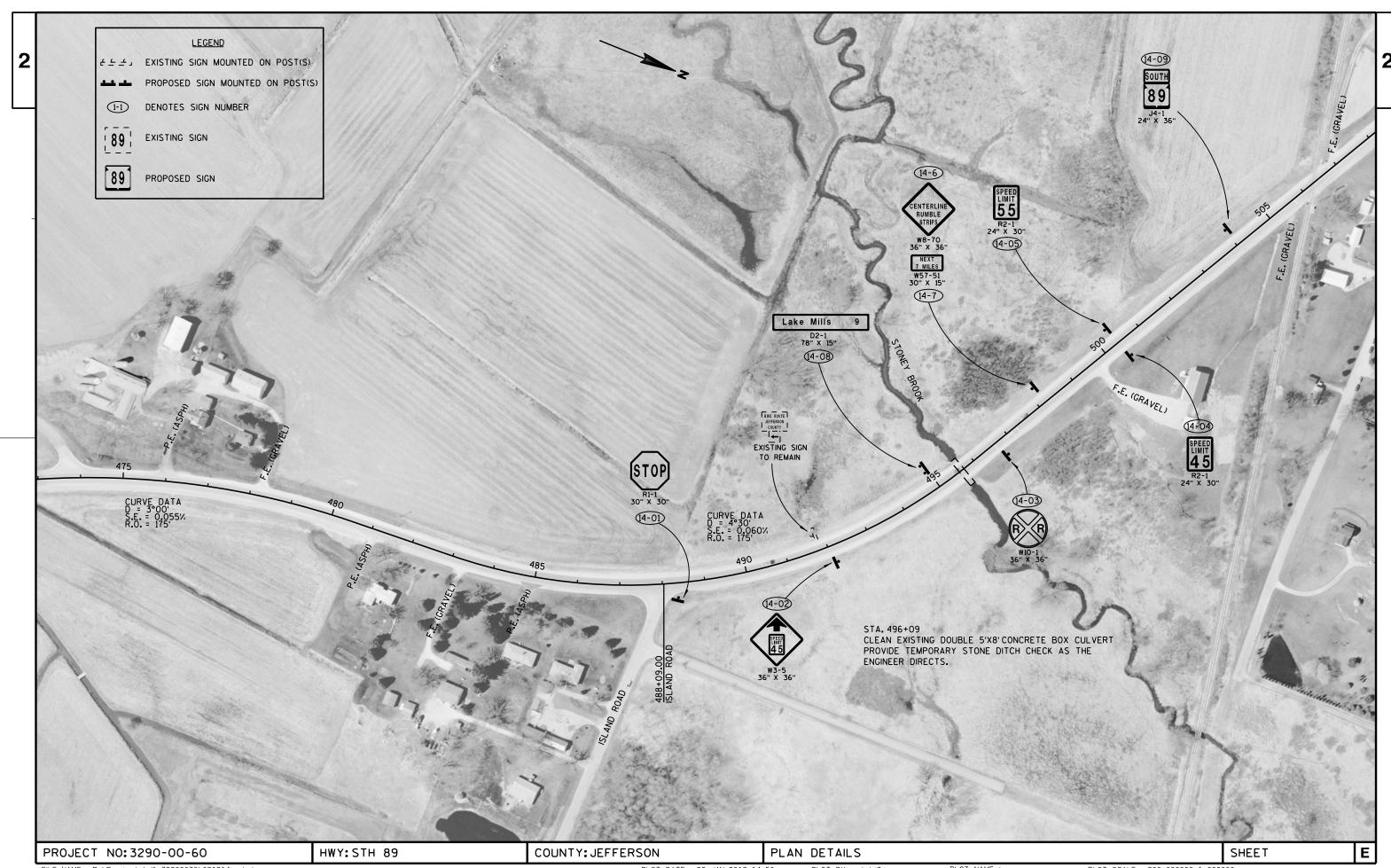


FILE NAME : R:\Projects\d1_32900330\021211_pd.dgn PLOT DATE : 29-JAN-2013 14:48 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000 WISDOT/CADDS SHEET 42

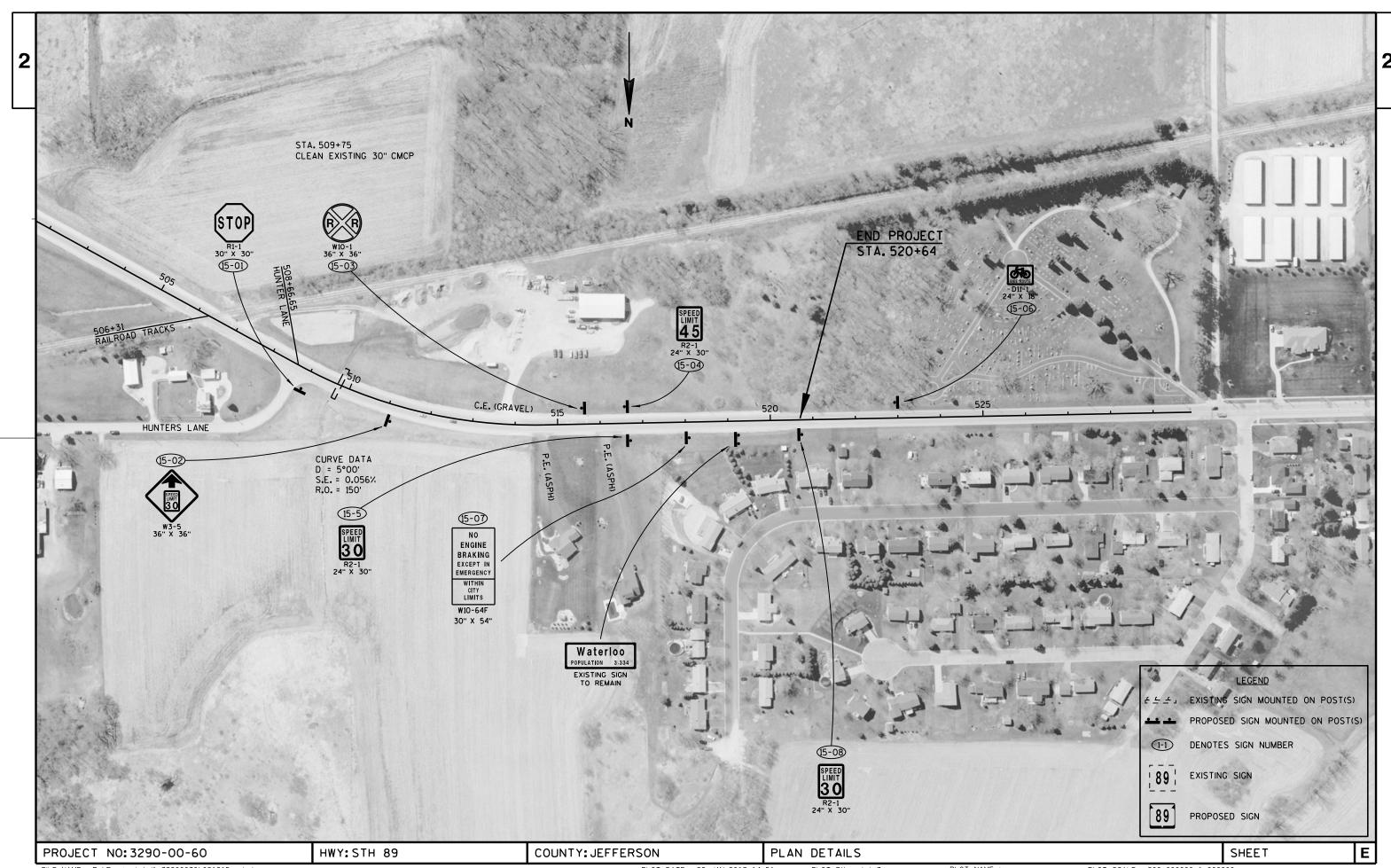




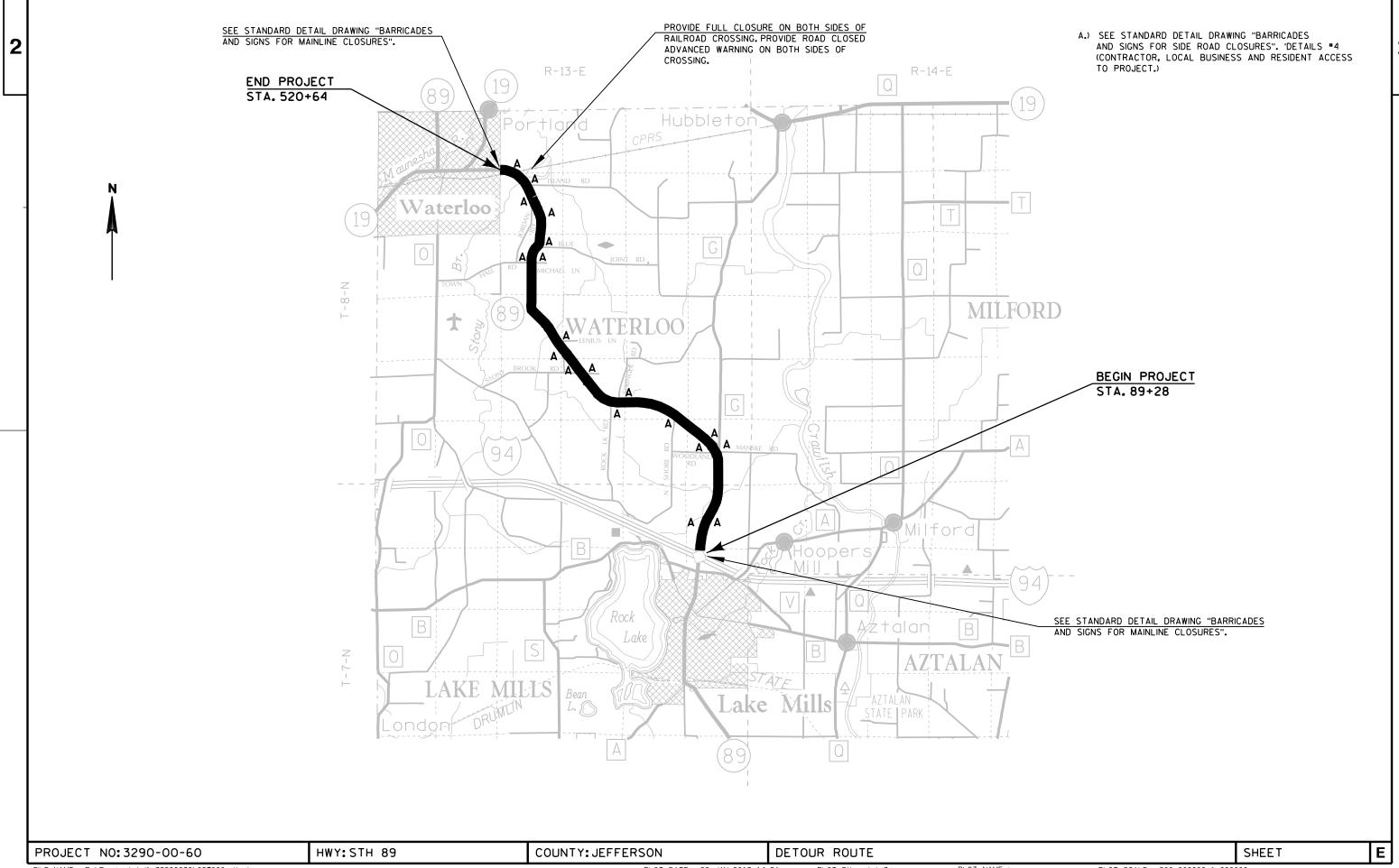
FILE NAME : R:\Projects\d1_32900030\021213_pd.dgn PLOT DATE : 29-JAN-2013 14:49 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000 WISDOT/CADDS SHEET 42



FILE NAME: R:\Projects\d1_32900030\021214_pd.dgn PLOT BY: dotj3j PLOT NAME: PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42

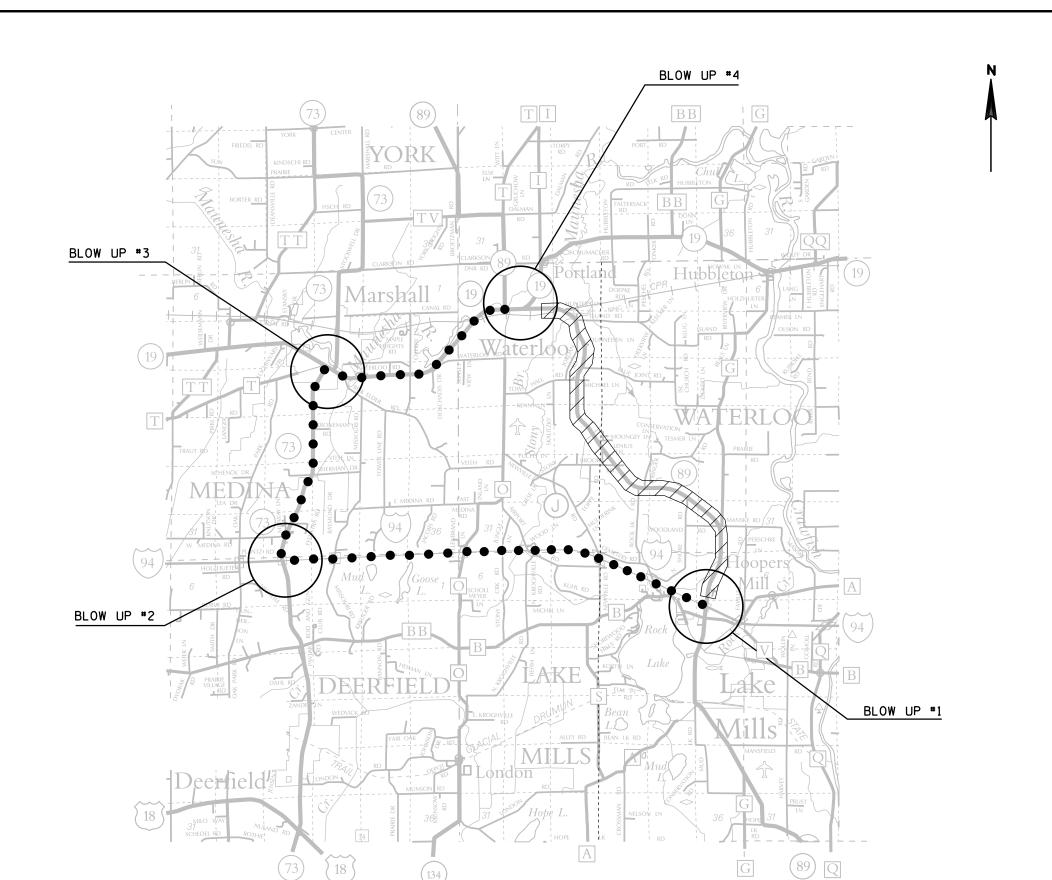


FILE NAME : R:\Projects\d1_32900030\021215_pd.dgn PLOT DATE : 29-JAN-2013 14:51 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000 WISDOT/CADDS SHEET 42



FILE NAME : R:\Projects\d1_32900030\027000_dt.dgn PLOT NAME : PLOT SCALE : 200.000000:1.000000 WISDOT/CADDS SHEET 42





TRAFFIC CONTROL LEGEND

ŀ/[: SIGN ON SINGLE / DOUBLE POST

TYPE IIIBARRICADE WITH / WITHOUT ATTACHED SIGN

DETOUR ROUTE FOR STH 89

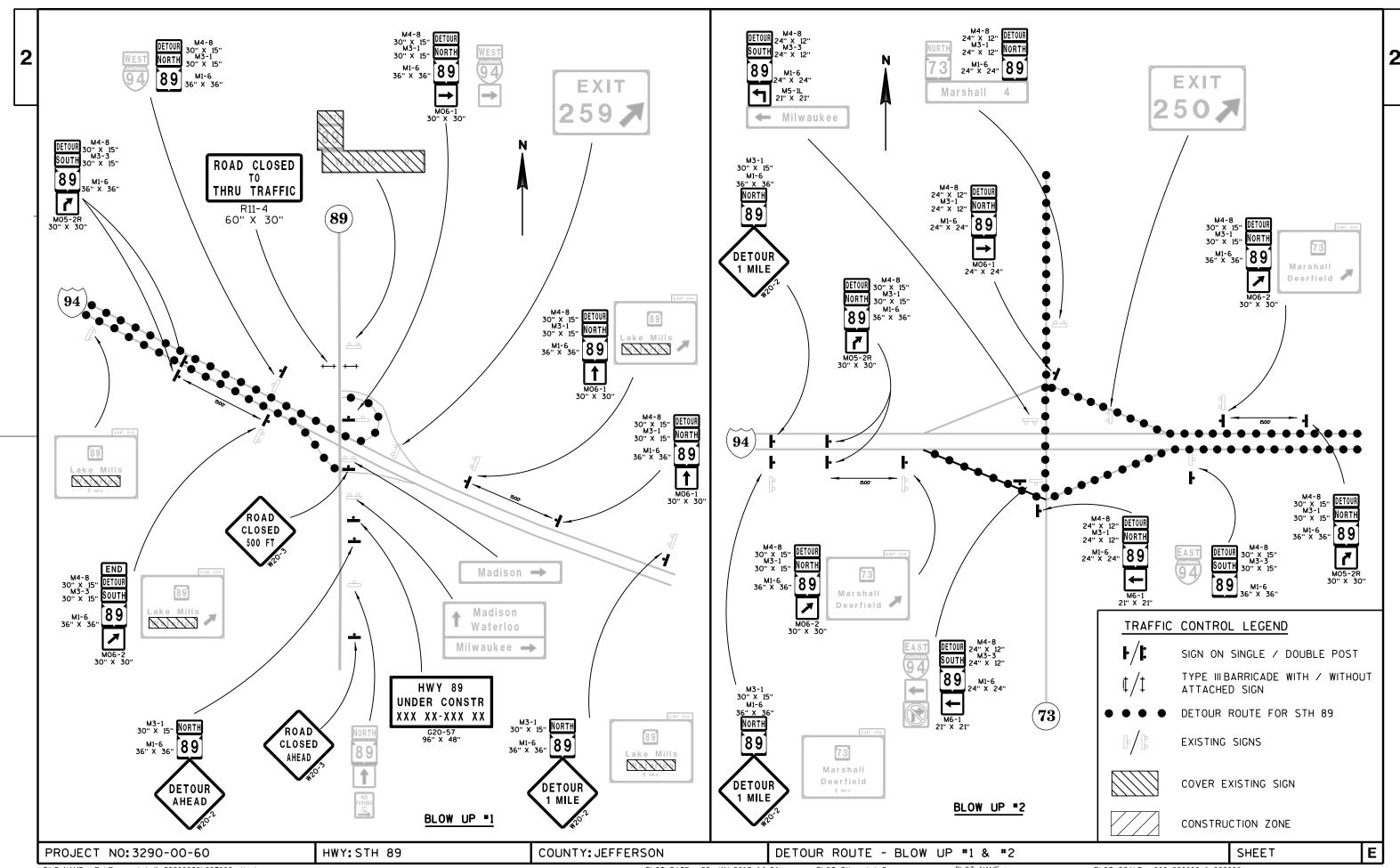
EXISTING SIGNS

COVER EXISTING SIGN

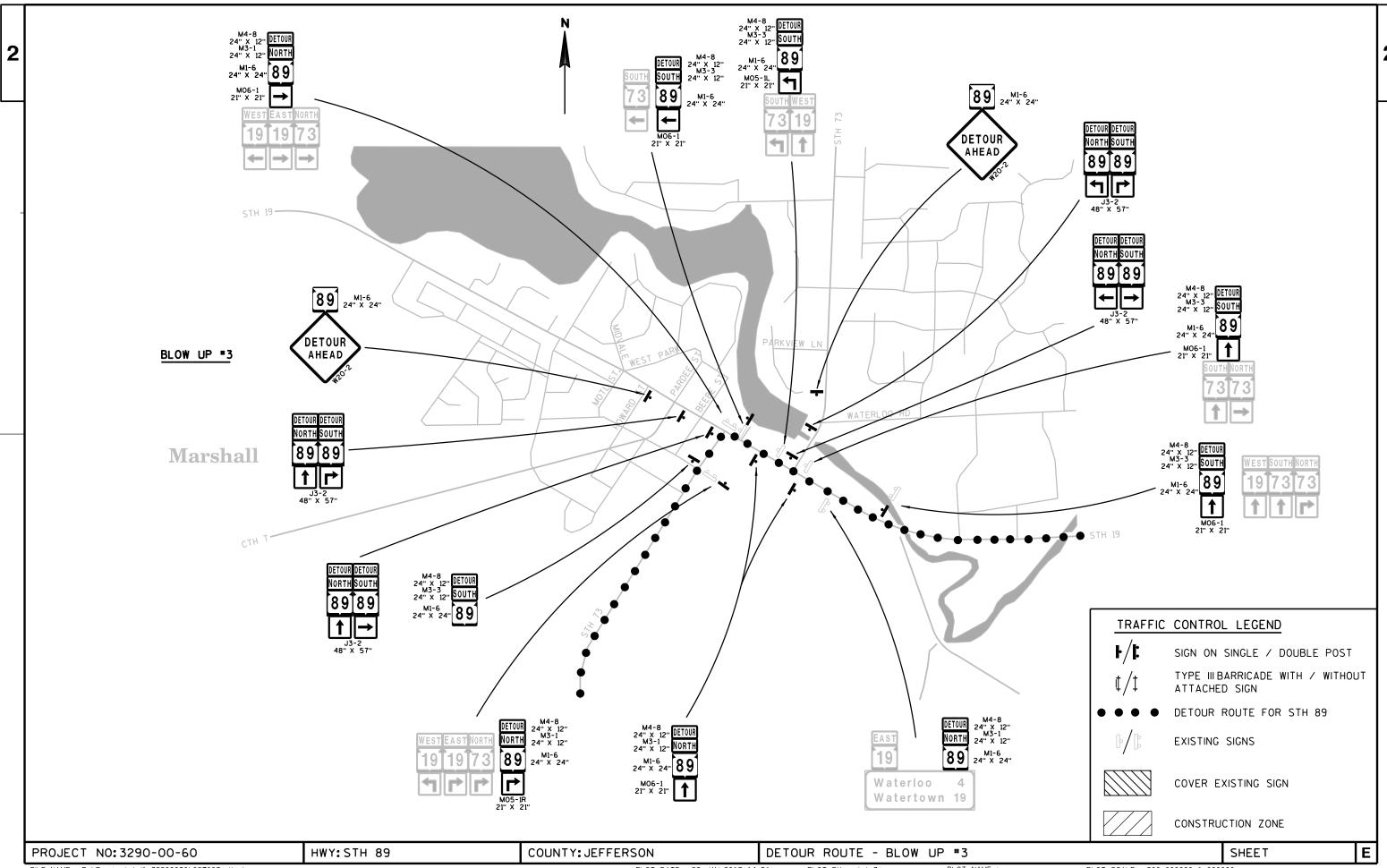
CONSTRUCTION ZONE

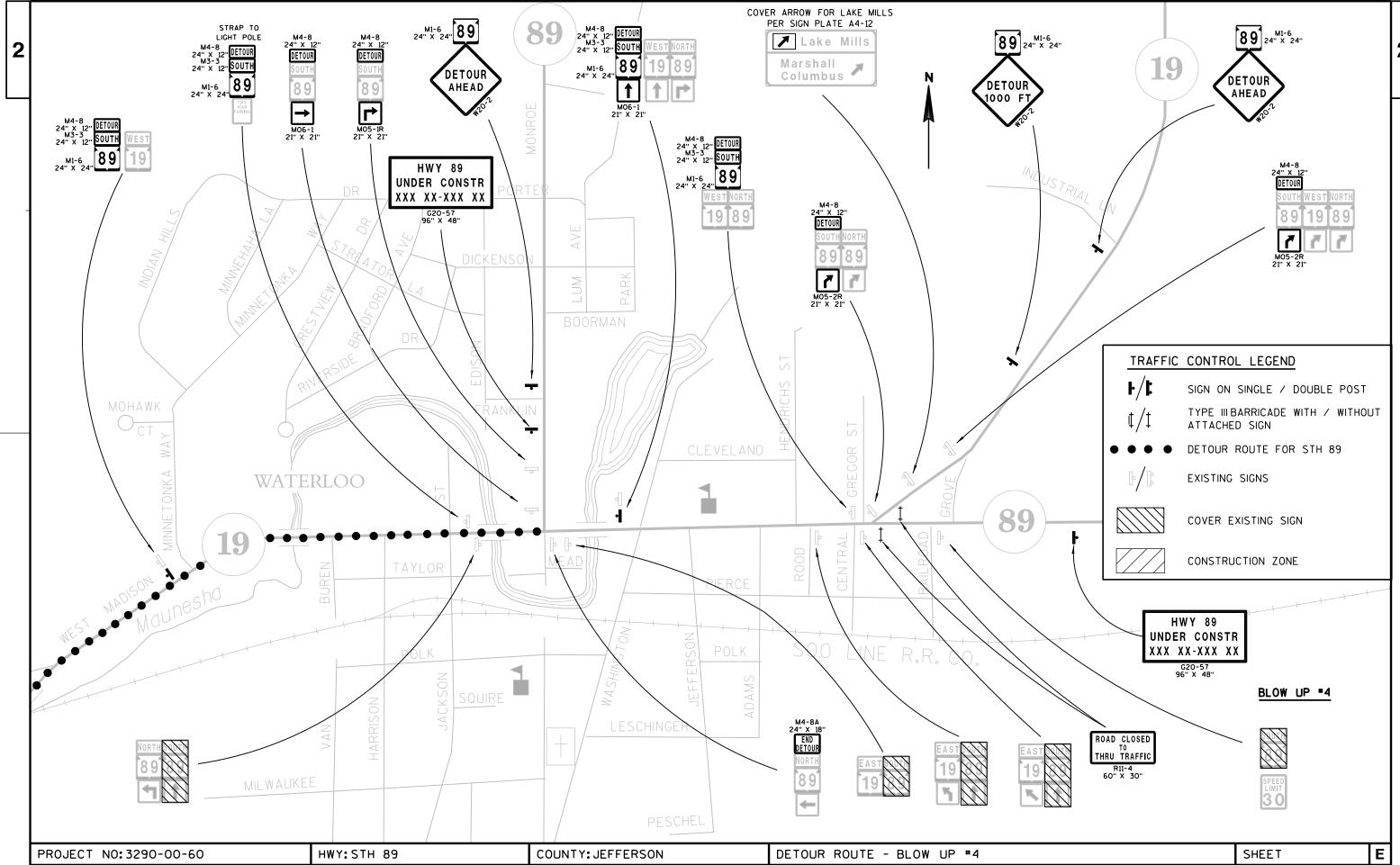
PROJECT NO: 3290-00-60 HWY:STH 89 COUNTY: JEFFERSON DETOUR ROUTE SHEET

FILE NAME : R:\Projects\d1_32900030\027001_dt.dgn PLOT DATE: 29-JAN-2013 14:51 PLOT BY : dotj3j PLOT NAME: PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42



FILE NAME: R:\Projects\d1_32900030\027002_dt.dgn PLOT NAME: PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42





FILE NAME : R:\Projects\d1_32900030\027004_dt.dgn

PLOT DATE: 29-JAN-2013 14:51

PLOT BY : dotj3j PLOT NAME :

PLOT SCALE: 200.000000:1.000000

WISDOT/CADDS SHEET 42

DATE 19	PMAR13	F S T	IMAT	E O F Q U A N	NTITLES
LINE					3290-00-60
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0010	204. 0115	REMOVING ASPHALTIC SURFACE BUTT JOINTS	SY	1, 500. 000	1, 500. 000
0020	204. 0120	REMOVING ASPHALTIC SURFACE MILLING	SY	158, 300. 000	158, 300. 000
0050	211. 0400	PREPARE FOUNDATION FOR ASPHALTIC	STA	852. 000	852. 000
0070	213. 0100	SHOULDERS FINISHING ROADWAY (PROJECT) 02.	EACH	1.000	1.000
0800	305. 0110	3290-00-60 BASE AGGREGATE DENSE 3/4-INCH	TON	6, 100. 000	6, 100. 000
	005 0500	OUADINO CUCILI DEDO		44.000	44.000
0090	305. 0500	SHAPING SHOULDERS	STA	14. 000	14.000
0100		S INCENTIVE IRI RIDE	DOL	32, 240. 000	32, 240. 000
0110	455. 0105	ASPHALTIC MATERIAL PG58-28	TON	1, 420. 000	1, 420. 000
0120 0130	455. 0605 460. 1101	TACK COAT HMA PAVEMENT TYPE E-1	GAL TON	4, 500. 000 25, 550. 000	4, 500. 000 25, 550. 000
0130	400.1101	TIMA FAVENENT TIFE E-T	ION	25, 550. 000	25, 550. 000
0140	460. 2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	16, 360. 000	16, 360. 000
0150		S ASPHALT CENTER LINE RUMBLE STRIP 2-LANE	LF	33, 200. 000	33, 200. 000
		RURAL			
0160	520. 7000	CLEANING CULVERT PIPES	EACH	11. 000	11. 000
0200	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS	EACH	1. 000	1. 000
		(PROJECT) 02. 3290-00-60			
0210	619. 1000	MOBI LI ZATI ON	EACH	0. 900	0. 900
0220	620 1F04	SILT EENCE		E00 000	E00 000
0230	628. 1504	SILT FENCE	LF LF	500.000	500.000
0240 0250	628. 1520 628. 1905	SILT FENCE MAINTENANCE MOBILIZATIONS EROSION CONTROL	LF EACH	500. 000 1. 000	500. 000 1. 000
0250	628. 1905 628. 1910	MOBILIZATIONS ERUSION CONTROL MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	1.000	1. 000
0200	628. 2004	EROSION MAT CLASS I TYPE B	SY	630. 000	630. 000
	323. 200 1				
0300	629. 0210	FERTILIZER TYPE B	CWT	0. 500	0. 500
0310	630. 0130	SEEDING MIXTURE NO. 30	LB	12.000	12.000
0330	633. 5200	MARKERS CULVERT END	EACH	20.000	20.000
0340	634. 0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	54.000	54.000
0350	634. 0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	10. 000	10.000
0240	427 0202	SLONG DEFLECTIVE TYPE II	CE	A1E 040	41F 040
0360	637. 0202	SIGNS REFLECTIVE TYPE II	SF	415. 840	415. 840
0370	638. 2102	MOVING SIGNS TYPE II	EACH	5. 000 56. 000	5. 000 56. 000
0380	638. 2602	REMOVING SIGNS TYPE II	EACH	56. 000 58. 000	56. 000 58. 000
0390 0400	638. 3000 642. 5001	REMOVING SMALL SIGN SUPPORTS FIELD OFFICE TYPE B	EACH EACH	58. 000 0. 900	58. 000 0. 900
0400	042. 500 I	TILLU UTITUL TIFL D	LAUII	0. 900	0. 900
0420	643. 0100	TRAFFIC CONTROL (PROJECT) 02. 3290-00-60	EACH	1.000	1. 000
0430	643. 0300	TRAFFIC CONTROL DRUMS	DAY	300.000	300.000
0440	643. 0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	2, 970. 000	2, 970. 000
0450	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	5, 940. 000	5, 940. 000
0460	643. 0900	TRAFFIC CONTROL SIGNS	DAY	3, 620. 000	3, 620. 000
0.476	(40.0015	TRAFFIC CONTROL CONTROL NO CONTROL TO CO	FACU	F 005	F 222
0470	643. 0910	TRAFFIC CONTROL COVERING SIGNS TYPE I	EACH	5. 000	5. 000
0480	643. 0920	TRAFFIC CONTROL COVERING SIGNS TYPE II	EACH	8.000	8.000
0490	643. 1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	96.000	96.000
0500	643. 2000	TRAFFIC CONTROL DETOUR (PROJECT) 01.	EACH	1. 000	1. 000
0510	643. 3000	3290-00-60 TRAFFIC CONTROL DETOUR SIGNS	DAY	3, 370. 000	3, 370. 000
3310	343. 3000	THE THE CONTROL DETOOK STONS	DITT	3, 370. 000	5, 570.000
0520	646. 0106	PAVEMENT MARKING EPOXY 4-INCH	LF	128, 000. 000	128, 000. 000
0530	646. 0126	PAVEMENT MARKING EPOXY 8-INCH	LF	450. 000	450. 000
0550	647. 0110	PAVEMENT MARKING RAILROAD CROSSINGS	EACH	2.000	2. 000
		EPOXY			
0590	647. 0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	360.000	360.000
0630	648. 0100	LOCATING NO-PASSING ZONES	MI	8. 060	8. 060
06.40	4 F.O. 0000	CONCEDUCTION CTAVING DECUDEAGING		42 200 000	42 200 200
0640	650. 8000	CONSTRUCTION STAKING RESURFACING	LF	43, 200. 000	43, 200. 000
0660	650. 9910	REFERENCE CONSTRUCTION STAKING SUPPLEMENTAL	LS	1. 000	1. 000
0000	030. 7710	CONTROL (PROJECT) 02. 3290-00-60	LJ	1.000	1.000
		333E (1103E31) 3E. 0270 00 00			

DATE 19N	MAR13	E	ESTIMATE	OF QUANT	T T I E S 3290-00-60
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0680	SPV. 0035	SPECIAL 01. TEMPORARY STONE DITCH CHE	ECKS CY	50.000	50.000
0690	SPV. 0060	SPECIAL O1. LANDMARK REFERENCE MONUMENTS SPECIAL	EACH	4. 000	4. 000
0710	SPV. 0180	SPECIAL 01. SPECIAL BASE PATCHING	SY	3, 290. 000	3, 290. 000

HMA PAVEMENT

				SURFACE	SURFACE	MATERIAL	TACK	PAVEMENT
				BUTT JOINTS	MILLING	PG58-28	COAT	TYPE E-1
STA	-	STA	LOCATION	SY	SY	TON	GAL	TON
89+28	-	520+64	MAINLINE	400	144,000	1,310	4,110	23,700
89+28	-	520+64	SIDEROADS & DRIVEWAYS	1,100	9,600	70	270	1,190
	1U	NDISTRIBL	ITED EXTRA DEPTH MILL & FILL	-	4,700	40	120	660
			TOTAL	1.500	158.300	1.420	4.500	25.550

BASE ITEMS

				211.0400 PREPARE	305.0110	305.0500	SPV.0180.01
				FOUNDATION	BASE		SPECIAL
				FOR ASPHALTIC	AGGREGATE	SHAPING	BASE
				SHOULDERS	DENSE, 3/4"	SHOULDERS	PATCHING
STATION	TO	STATION	LOCATION	STA	TON	STA	SY
89+28	-	95+63	MAINLINE	=	100	14	=
95+63	-	520+64	MAINLINE	852	5,440	-	-
		UND	ISTRIBUTED	-	560	-	3,290
			TOTAL	852	6,100	14	3,290

CLEANING CULVERT PIPES

				520.7000 CLEANING CULVERT PIPES	633.5200 MARKERS CULVERT END
STA	TYPE	SIZE	LENGTH	EACH	EACH
121+57	METAL	24"	92'	1	2
152+16	METAL	24"	106'	1	2
171+25	METAL	24"	92'	1	2
188+78	METAL	24"	108'	1	2
228+30	METAL	24"	72'	1	2
389+13	METAL	24"	76'	1	2
446+71	METAL	24"	66'	1	2
469+75	METAL	48"	68'	1	2
496+09	CONCRETE BOX	TWIN 8' x 5'	75'	2	2
509+75	METAL	30"	75'	1	2
			TOTAL	11	20

LANDMARK REFERENCE MONUMENTS

LOCATION N 1/4 CORNER SEC 1, T7N R13E S 1/4 CORNER SEC 16, T8N R13E NW CORNER SEC 9, T8N R13E CENTER CORNER SEC 16, T8N R13E	DESCRIPTION QUARTER CORNER QUARTER CORNER SECTION CORNER CENTER CORNER	SPV.0060.01 LANDMARK REFERENCE MONUMENTS SPECIAL EACH 1 1 1 1
	TOTAL	4

RUMBLE STRIPS

| A65.0475.S | ASPHALT | CENTER LINE | RUMBLE STRIP | 2-LANE RURAL | STA - STA LOCATION LF | 117+20 - 499+00 CENTER LINE 33,200

EROSION CONTROL

	628.1504	628.1520	628.1905	628.1910	628.2004	629.0210	630.0130	SPV.0035.01
				MOBILIZATION				TEMPORARY
		SILT	MOBILIZATION	EMERGENCY	EMAT		SEEDING	STONE
	SILT	FENCE	EROSION	EROSION	CLASS I	FERTILIZER	MIXTURE	DITCH
	FENCE	MAINTENANCE	CONTROL	CONTROL	TYPE B	TYPE B	NO. 30	CHECKS
LOCATION	LF	LF	EACH	EACH	SY	CWT	LB	CY
CULVERT AREA RESTORATION	200	200	=	-	500	0.4	9	40
UNDISRIBUTED	300	300	1	1	130	0.1	3	10
TOTAL	500	500	1	1	630	0.5	12	50

PROJECT NO:3290-00-60 HWY:STH 89 COUNTY:JEFFERSON MISCELLANEOUS QUANTITIES SHEET

PERMANENT SIGNING

MARCIN SIGN SIGN SIGN MARCIN						634.0616	634.0618	637.0202	638.2102	638.2602	638.3000	
MUNISTRE LOCATION SIGN WALF WESSAGE EACH SET SET THE THE THE SECH S						POSTS	POSTS	SIGNS	MOVING	REMOVING	REMOVING SMALL	
NUMBER DICATION CODE W. H												
1-31 15-4-11 17-3 17-2 18		LOCATION			MEGGAGE							DEMARKO
197-25 1						1				EACH1		REMARKS
1-94 90-90 RT W1-4 48-3 8 NO PASSING ZONE	1-02	107+25 RT	R1-1	30 x 30	STOP	1	-	5.18	-		1	
1456 39-00 IT R1-1 90-30 S S S S S S S S S S S S S S S S S S S						2	-		-	1	2	
146						-	- 1		-	1	1	
1-98 92-25 LT 07-26 03-42 03-42 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03-45 03	1-06	91+00 LT	R1-1	30 x 30	STOP	1	-	5.18	-	1	1	
1-10 97-52 T 1-2-1 24-30 SPEED LIMIT 40 1 5.00 1 1 JASSEMBLY 1 5.00 1 1 JASSEMBLY 1 5.00 JASSEMBLY 1 JASSEMBLY 1 JASSEMBLY 1 JASSEMBLY 1 JASSEMBLY JAS						1	<u>-</u> 1		-	1	1	
1-10						1	-		-	1	_	
Min			J1-1	24 x 39	ROUTE MARKER ASSEMBLY	1	-		-	1	1	
2-201 117-20 RT W6-75 30 x 30 CENTERLINE RUMBLE STRPS 1 9.00 -						-	-	-	-	-	-	
3-01 164+90 LT VI+3 643 36	2-01	117+20 RT				-	1	9.00	-	-	-	J-AOSLIVIDL1
197-20 17 Work 18	2-02	117+20 RT	W57-51	30 x 15	NEXT 7 MILES	=	-	3.13	-	-		MOUNT WITH 2-01
3-03 167-20 LT W-570 363-36 CENTERLINE RUMBLE STRIPS 1 9.00 -						1	-		-			MOLINIT WITH 2 02
4401 169-90 LT R1-1 30 - 30 STOP 1						-			-	-	-	MOONT WITH 3-03
4404 170-90 RT 81-1 30 x 30 x 30 x 30 x 50 P	4-01	169+90 LT	R1-1	30 x 30	STOP	1	-	5.18	-	1	1	
444 170+69 RT R-11 30 x 30						-	1		-	-	-	MOUNT WITH 4 00
4-15 170-90 RT 13-2 48 x 45 ROUTEMARKER ASSEMBLY 1 15.00 1 1 JASSEMBLY MI-5A 24 x 24 LEFT ARROW JASSEMBLY MI-6 24 x 24 THO OLINECTION ARROW JASSEMBLY JASSEMBLY A-16 190-25 RT MI-8 24 x 24 THO OLINECTION ARROW JASSEMBLY A-17 MI-90 MT RI-1 30 x 30 STOP 1 - 5.18 JASSEMBLY A-17 MI-90 MT RI-1 30 x 30 STOP 1 - 5.18 JASSEMBLY A-17 MI-90 MT RI-1 30 x 30 STOP 1 - 5.18 JASSEMBLY A-17 MI-90 MT MI-1 30 x 30 STOP 1 - 5.18 - 1 JASSEMBLY A-17 MI-90 MT MI-1 30 x 30 STOP 1 - 5.18 - 1 JASSEMBLY A-17 MI-90 MT MI-1 30 x 30 STOP 1 - 5.18 - 1 JASSEMBLY A-17 MI-90 MT MI-1 30 x 30 STOP 1 - 5.18 - 1 JASSEMBLY A-17 MI-90 MT MI-1 30 x 30 STOP 1 - 5.18 - 1 JASSEMBLY A-17 MI-90 MT MI-1 30 x 30 STOP 1 - 5.18 - 1 JASSEMBLY A-17 MI-1						- 1	-		-	- 1	<u>-</u> 1	MOUNT WITH 4-02
M6-1			J13-2	48 x 45		i	-		-	i	1	
Mile						-	-	-	-	-	-	
M64 21 x 21						-	-	-	-	-	-	
4-07 169+90 RT R1-1 30 x 30 STOP 1 5.18 - 1						-	-	-	-	-	-	
Solid 218+00 LT R1-1 30 x 30 STOP						1	-		-	1	1	
7-01 262-90 LT W14-3 48 x 36 NO PASSING ZONE						<u>1</u>			<u>-</u>	<u>-</u> 1	<u>-</u> 1	
7-03						1					<u> </u>	
7-04 290+00 RT W14-3 48 x86 NO PASSING ZONE 1 - 6.00 - 1 1 8-07 311+25 LT R1-1 30 x30 STOP 1 - 5.18 - 1 1 8-08 311+25 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 8-09 311+25 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 9-07 332-51 R1-1 30 x30 STOP 1 - 5.18 - 1 1 9-08 344+75 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 9-09 344+75 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 1-09 50 344-75 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 1-09 50 344-75 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 1-09 50 345-50 LT W1-2R 30 x30 CURVE RIGHT 1 - 6.00 - 1 1 1-09 50 375-50 LT W1-2R 30 x30 CURVE RIGHT 1 - 6.00 - 1 1 1-09 50 375-50 LT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 1-09 50 375-50 LT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 1-09 50 375-50 LT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 1-09 50 375-50 LT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 1-09 50 375-50 LT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 1-01 390-75 RT W1-3 30 x30 CURVE LEFT ARROW 1 - 8.00 10-06 381-00 LT W1-6L 48 x24 LEFT ARROW 1 - 8.00 11-01 390-75 RT W1-3 30 x30 NO PASSING ZONE 1 - 6.00 - 1 1 11-02 390-75 RT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 11-02 390-75 RT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 11-02 390-75 RT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 11-02 390-75 RT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 11-02 390-75 RT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 11-02 390-75 RT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 11-02 390-75 RT W1-3 30 x30 STOP 1 - 5.18 - 1 1 11-04 409-10 RT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 11-04 409-10 RT W1-3 48 x36 NO PASSING ZONE 1 - 6.00 - 1 1 14-04 488-25 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 14-04 488-25 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 14-04 488-25 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 14-04 488-25 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 14-04 488-25 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 14-04 488-25 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 14-04 488-25 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 14-04 488-25 RT R1-1 30 x30 STOP 1 - 5.18 - 1 1 14-04 488-25 RT R2-1 24 x30 SPEED LIMIT 5 - 5.00 - 1 1 14-05 500-25 RT R2-1 24 x30 SPEED LIMIT 5 - 5.00 - 1 1						1	-		-	1	•	
8-01 311425 FR 1-1 30 x 30 STOP 1 5.18 1 1 1						1	-		-	1	1	
9-01 333-25 LT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 1-0-01 352-50 LT W1-42 48 x 38 NO PASSING ZONE 1 - 6.00 - 1 1 10-01 352-50 LT W1-42 48 x 38 NO PASSING ZONE 1 - 6.00 - 1 1 10-03 387-50 LT W1-43 48 x 38 NO PASSING ZONE 1 - 6.00 - 1 1 10-03 387-50 LT W1-43 48 x 38 NO PASSING ZONE 1 - 6.00 - 1 1 10-04 386-60 RT W1-43 48 x 38 NO PASSING ZONE 1 - 6.00 - 1 1 10-05 378-50 LT W1-6R 48 x 24 RIGHT APROW 1 - 6.00 - 1 1 10-05 378-50 LT W1-6R 48 x 24 RIGHT APROW 1 - 6.00 1 10-06 381-00 LT W1-6L 48 x 24 LEFT ARROW 1 - 6.00 1 11-01 390-75 RT W1-6R 48 x 24 LEFT ARROW 1 - 6.00 1 11-02 390-75 RT R1-1 30 x 30 CUPVELEFT 1 - 6.25 - 1 1 11-02 390-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 12-04 418-90 LT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 12-04 418-90 LT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 12-04 439-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 13-02 468-90 RT W1-43 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 13-01 460-10 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 13-02 468-90 RT W1-43 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 13-04 473-90 LT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 13-02 468-90 RT W1-43 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 1 14-04 439-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 13-04 469-90 RT W1-43 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 1 14-04 490-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-04 490-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-04 490-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-04 490-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-04 490-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-04 490-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-04 490-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-04 490-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-04 490-75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-05 500-75 RT R2-1 24 x 30 SPEED LIMIT 56 1 - 5.00 - 1 1 14-04 500-75 RT R2-1 24 x 30 SPEED LIMIT 56 1 - 5.00 - 1 1 14-05 500-75 RT R2-1 24 x 30 SPEED LIMIT 56 1 - 5.00 - 1 1 15-05 508-90 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 15-06 509-75 RT R2-1 24 x 30 SPEED LIMIT 50 1 - 5.00 - 1 1 15-06 509-75 RT R2-1 24 x 30 SPEED LIMIT 50 1 - 5.00 - 1 1 15-06 509-75 RT R2-1 24 x 30 SPEED LIM						1	-		-	1	1	
9-02 344+75 RT R-1-1 30 3-30 STOP 1 - 5.18 - 1 1 10-01 352-50 LT W1-2R 30 3-30 CURVE RIGHT 1 - 6.00 - 1 10-02 367+50 RT W1-2R 30 3-30 CURVE RIGHT 1 - 6.25 - 1 1 10-03 367+50 LT W1-48 36 NO PASSING ZONE 1 - 6.00 - 1 1 10-04 368-50 RT W1-48 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 1 10-05 375-50 LT W1-6R 48 x 24 RIGHT ARROW 1 - 8.00						11	-		-			
10-01 352-60 T. W14-3 48 x 36 NO PASSING ZONE 1 - 6,00 - 1 1 1 1 1 1 1 1 1						1	-		-			
10-Q2 367+50 RT W1-2R 30 x 30 CURVE RIGHT 1						1	-		-			
10-04 388-50 RT W14-3 48 x 36 NO PASSING ZONE 1 - 6.00 - - -	10-02	367+50 RT			CURVE RIGHT	1	-	6.25	-			
10-05 375-50 LT W1-8R 48 x 24 LEFT ARROW 1 - 8.00 -						1	-		-		1	
10-06 381+00 LT W1-8L 48 x 24 LEFT ARROW 1 - 8.00 -						1	-		-	-	-	
11-02 390-75 RT W14-3 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 1 12-01 412+90 LT W14-3 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 1 12-02 418+75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 12-03 418+75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 13-01 460+10 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 13-01 460+10 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 13-01 460+10 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 13-02 486+50 RT W14-3 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 1 13-04 407+10 LT W14-3 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 1 13-04 473+50 LT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-01 488+25 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-01 488+25 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-02 492-40 RT W3-5 36 x 36 REDUCE SPEED 45 MPH - 1 9.00 - 1 1 14-04 492-40 RT W3-5 36 x 36 RALROAD CROSSING 1 - 7.07 - 1 1 14-04 498+20 LT W3-7 36 x 36 S REDUCE SPEED LIMIT 55 1 - 5.00 - 1 1 14-04 498+20 LT W3-7 36 x 36 S REDUCE SPEED LIMIT 55 1 - 5.00 - 1 1 14-09 503+75 LT J-1 24 x 30 SPEED LIMIT 55 1 - 5.00 - 1 1 14-09 503+75 LT W3-1 36 x 36 REASURANCE MARKER 1 - 6.00 - 1 1 15-01 508+90 RT R1-1 30 x 30 SPEED LIMIT 45 1 - 5.00 - 1 1 15-03 515+75 LT W1-1 36 x 36 RALROAD CROSSING 1 - 7.07 - 1 1 15-04 516+90 LT R2-1 24 x 30 SPEED LIMIT 50 1 - 5.18 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 45 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 45 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 50 1 - 5.18 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 50 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 50 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 50 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-07 518+00 RT R1-1 30	10-06		W1-6L	48 x 24	LEFT ARROW	1	-	8.00	-	-	-	
12-01 412-90 T W14-3 48 x 36						1	-		-	1		
12-02 418+00 LT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 12-03 418+75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 12-04 433+75 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 13-01 460+10 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 13-02 468+50 RT W1-3 30 x 30 STOP 1 - 5.18 - 1 1 13-03 470+10 LT W14-3 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 1 13-03 470+10 LT W14-3 48 x 36 NO PASSING ZONE 1 - 6.00 - 1 1 13-04 473+50 LT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-04 473+50 LT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-04 498+25 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 14-02 492+00 RT W3-5 36 x 36 REDUCE SPEED 45 MPH - 1 9.00 - 1 1 14-03 496+50 RT W10-1 36 x 36 RAILROAD CROSSING 1 - 7.07 - 1 1 14-04 500+25 RT R2-1 24 x 30 SPEED LIMIT 55 1 - 5.00 - 1 1 14-05 500+25 LT R2-1 24 x 30 SPEED LIMIT 55 1 - 5.00 - 1 1 14-06 498+20 LT W5-75 1 30 x 15 NEXT 7 MILES - 1 9.00 14-07 498+20 LT W5-75 1 30 x 15 NEXT 7 MILES - 3 3.13 MOUNT WITH 14-06 14-08 495+20 LT W5-75 1 30 x 15 NEXT 7 MILES 3.13 1 1 2 14-09 503+75 LT W3-1 30 x 30 STOP 1 - 5.18 - 1 1 15-01 508+90 RT R1-1 30 x 30 SPEED LIMIT 55 1 - 5.00 - 1 1 1 15-04 516+90 LT R2-1 24 x 30 SPEED LIMIT 5						1						
12-Q4	12-02	418+00 LT	R1-1	30 x 30		1	-	5.18	-	1		
13-01						1	-		-	1	1	
13-02						1			-	1	1	
13-04 473+50 LT R1-1 30 x 30 STOP 1 - 5.18 - 1 1	13-02	468+50 RT	W14-3	48 x 36	NO PASSING ZONE	1	-	6.00	-	ì	1	
14-01 488+25 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 1 1 1 1 1 1 1						1	-		-		1	
14-02 492+00 RT W3-5 36 x 36 REDUCE SPEED 45 MPH - 1 9.00 - 1 1 1 1 1 1 1 1 1						1				1	1	
14-04 500+25 RT R2-1 24 x 30	14-02	492+00 RT	W3-5	36 x 36	REDUCE SPEED 45 MPH	<u>-</u>	1	9.00		1		
14-05 500+25 LT R2-1 24 x 30 SPEED LIMIT 55 1 - 5.00 - 1 1						1	-		-	1	·	
14-06 498+20 LT W8-70 36 x 36 CENTERLINE RUMBLE STRIPS - 1 9.00 - - - -						1 1	-		-	1 1	·	
14-08	14-06	498+20 LT	W8-70	36 x 36	CENTERLINE RUMBLE STRIPS	-	1	9.00	-	-	-	
14-09 503+75 LT						-	-		-	-		MOUNT WITH 14-06
M3-3 24 x 12 SOUTH J-ASSEMBLY						1	-		1 -	1	2 -	.I-ASSEMBLY
15-01 508+90 RT R1-1 30 x 30 STOP 1 - 5.18 - 1 1 1 1 1 1 1 1 1	1100	000-10-21				-	-		-	-	-	
15-02 511+00 RT W3-5 36 x 36 REDUCE SPEED 30 MPH - 1 9.00 - 1 1 15-03 515+75 LT W10-1 36 x 36 RAILROAD CROSSING 1 - 7.07 - 1 1 15-04 516+90 LT R2-1 24 x 30 SPEED LIMIT 45 1 - 5.00 - 1 1 15-05 516+90 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-06 523+00 LT D11-1 24 x 18 BIKE ROUTE 1 - 3.00 - 1 15-07 518+00 RT R10-64F 30 x 54 NO ENGINE BRAKING - 1 11.25 - 1 1 15-08 520+75 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-08 520+75 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-08 520+75 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-08 520+75 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1	45.04	E00+00 DT				- 4	-		-		-	J-ASSEMBLY
15-03 515+75 LT W10-1 36 x 36 RAILROAD CROSSING 1 - 7.07 - 1 1 15-04 516+90 LT R2-1 24 x 30 SPEED LIMIT 45 1 - 5.00 - 1 1 15-05 516+90 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-06 523+00 LT D11-1 24 x 18 BIKE ROUTE 1 - 3.00 - 1 - 15-07 518+00 RT R10-64F 30 x 54 NO ENGINE BRAKING - 1 11.25 - 1 1 15-08 520+75 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 UNDISTRIBUTED 4 3 3						1 -	- 1		-	1 1		
15-04 516+90 LT R2-1 24 x 30 SPEED LIMIT 45 1 - 5.00 - 1 1 15-05 516+90 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 15-06 523+00 LT D11-1 24 x 18 BIKE ROUTE 1 - 3.00 - 1 - 15-07 518+00 RT R10-64F 30 x 54 NO ENGINE BRAKING - 1 11.25 - 1 1 15-08 520+75 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 UNDISTRIBUTED 4 3 3						1	-		-			
15-06 523+00 LT D11-1 24 x 18 BIKE ROUTE 1 - 3.00 - 1 - 1 15-07 518+00 RT R10-64F 30 x 54 NO ENGINE BRAKING - 1 11.25 - 1 1 15-08 520+75 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 UNDISTRIBUTED 4 3 3	15-04					1	-		-	1	1	
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15-08 520+75 RT R2-1 24 x 30 SPEED LIMIT 30 1 - 5.00 - 1 1 UNDISTRIBUTED 4 3 3						-	1		-		1	
					SPEED LIMIT 30	11	-	5.00	-			
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PAVEMENT MARKING

		646.0106		646.0126	647.0110	647.0566	648.0100
			EMENT	PAVEMENT	PAVEMENT	PAVEMENT	
			rking	MARKING	MARKING	MARKING	LOCATING
		EF	POXY	EPOXY	RAILROAD	STOP LINE	NO
		4-	INCH	8-INCH	CROSSING	EPOXY 18-INCH	PASSING
		WHITE	YELLOW	WHITE	EPOXY	WHITE	ZONES
STATION - STATIC	N LOCATION	LF	LF	LF	EACH	LF	MI
89+28 - 520+6	4 MAINLINE - EDGELINE	86,600	41,400	-	2	-	8.06
	OASIS LN	-	-	200	-	20	-
	GALLUP RD	-	-	-	-	20	=
	CTH G	-	-	250	-	20	=
	WOODLAND RD	-	-	-	-	20	=
	NORTH SHORE RD	-	-	-	-	20	-
	SPRINGER ROAD	-	-	-	-	20	-
	ROCK LAKE ROAD	-	-	-	-	20	=
	STONEY BROOK ROAD	-	-	-	-	20	-
	WOEFLER ROAD	-	-	-	-	20	-
	ABENDROTH ROAD	-	-	-	-	20	-
	LENIUS ROAD	-	-	-	_	20	_
	MICHEAL LANE	-	-	-	-	20	-
	TOWN HALL ROAD	-	-	-	-	20	-
	BLUE JOINT ROAD	-	-	-	-	20	-
	DUNNISEN ROAD	-	-	-	-	20	-
	JORDAN ROAD	-	-	-	-	20	-
	ISLAND ROAD	-	-	-	-	20	-
	HUNTER LANE	-	-	-	-	20	-
	TOTAL	_ 12	8,000	450	2	360	8.06

TRAFFIC CONTROL

		643.0100 TRAFFIC	643.0300	643.0420	643.0705 WARNING	643.0900	643.0910 COVERING	643.0920 COVERING	643.1000 SIGNS	643.2000 TRAFFIC	643.3000
		CONTROL		BARRICADES	LIGHTS		SIGNS	SIGNS	FIXED	CONTROL DETOUR	DETOUR
	*	PROJECT	DRUMS	TYPE III	TYPE A	SIGNS	TYPE I	TYPE II	MESSAGE	PROJECT	SIGNS
LOCATION	DAYS	EACH	DAYS	DAYS	DAYS	DAYS	EACH	EACH	SF	EACH	DAYS
MAINLINE	45	-	-	2,520	5,040	3,200	-	-	-	-	-
STH 89 DETOUR	45	-	-	180	360	90	4	7	96	-	3,060
UNDISTRIBUTED	-	1	300	270	540	330	1	1	-	1	310
	TOTAL:	1	300	2,970	5,940	3,620	5	8	96	1	3,370
* FOR INFOR	RMATION	ONLY									

CONSTRUCTION STAKING

	650.8000	650.9910
	RESURFACING	SUPPLEMENTAL
	REFERENCE	CONTROL (PROJECT)
LOCATION	LF	LS
PROJECT	43,200	1

PROJECT NO:3290-00-60 HWY:STH 89 COUNTY:JEFFERSON MISCELLANEOUS QUANTITIES SHEET E

Standard Detail Drawing List

08E09-06	SILT FENCE
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
13A11-01A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-01B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13B01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-01	BARRI CADES AND SI GNS FOR SI DEROAD CLOSURES
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C09-09A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15D28-01	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

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



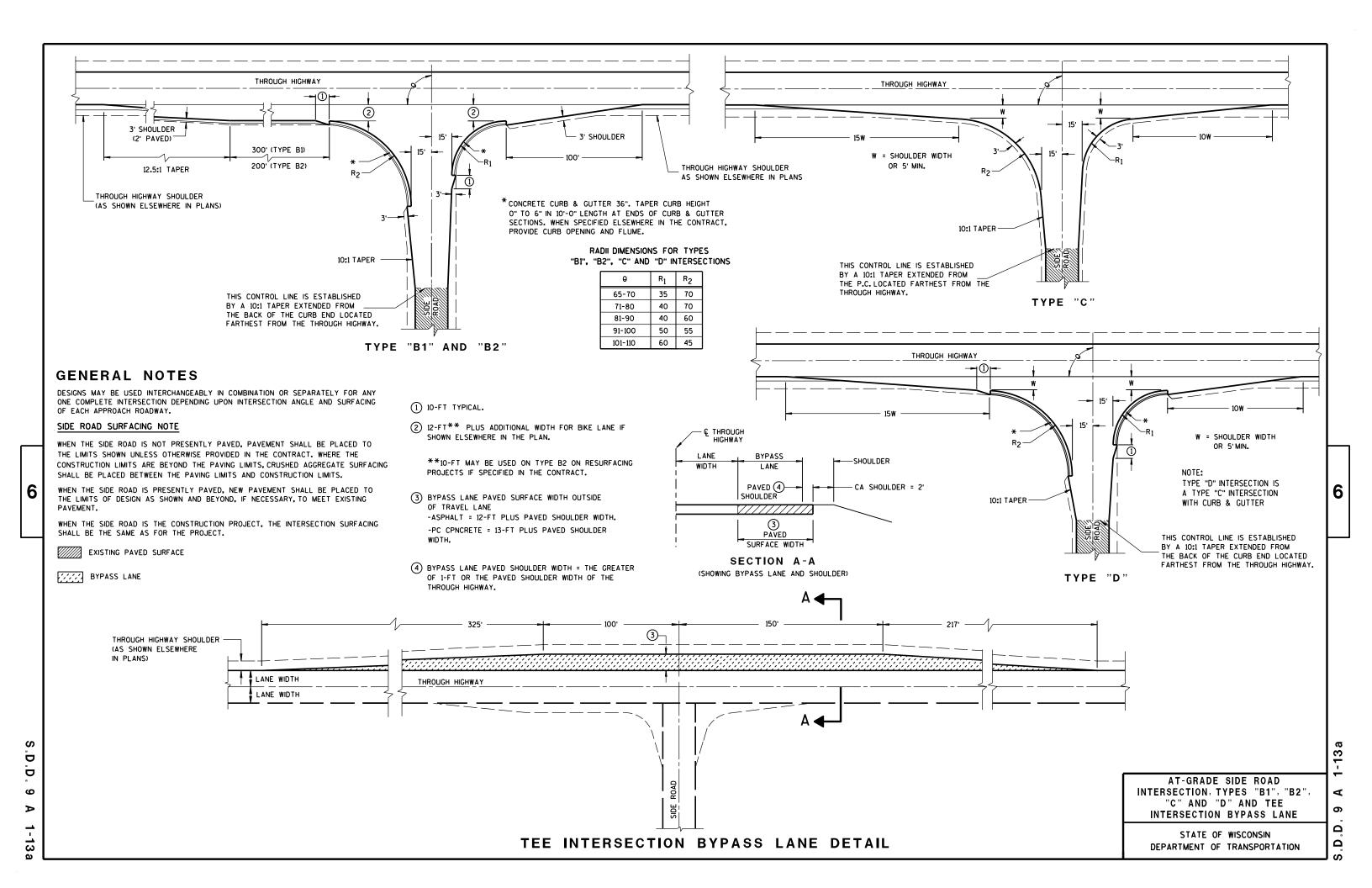
SILT FENCE TIE BACK

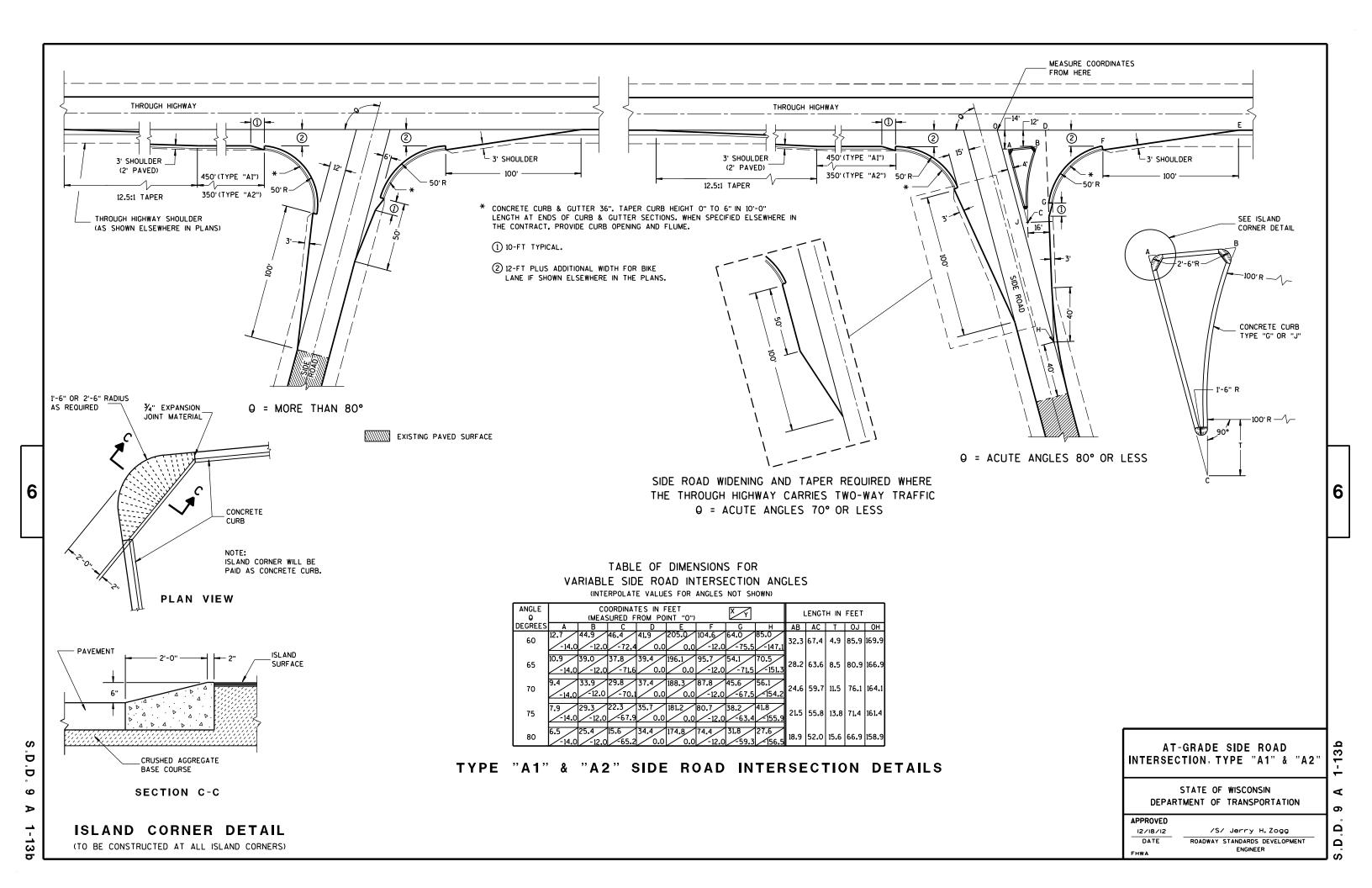
(WHEN REQUIRED BY THE ENGINEER)

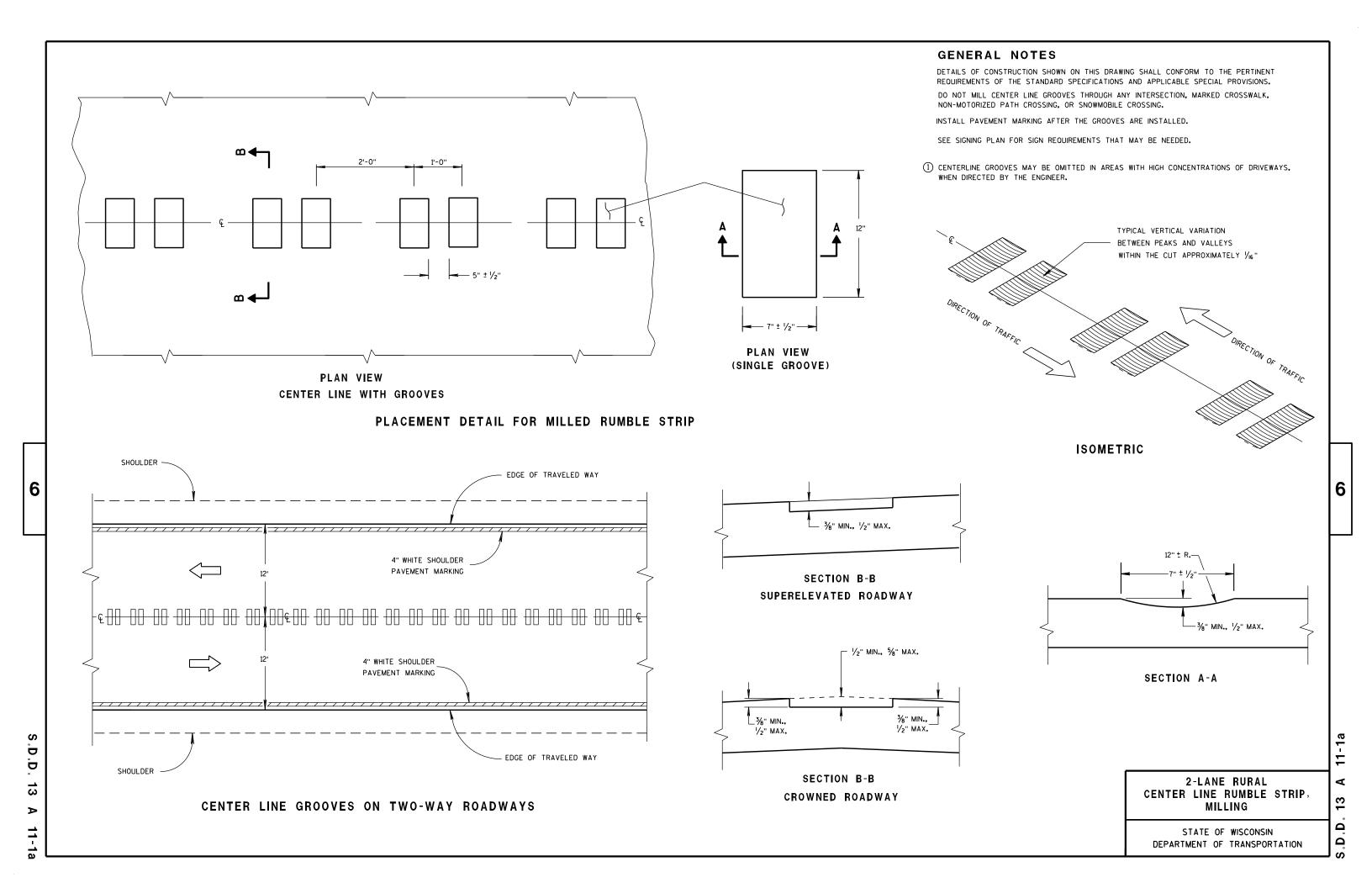


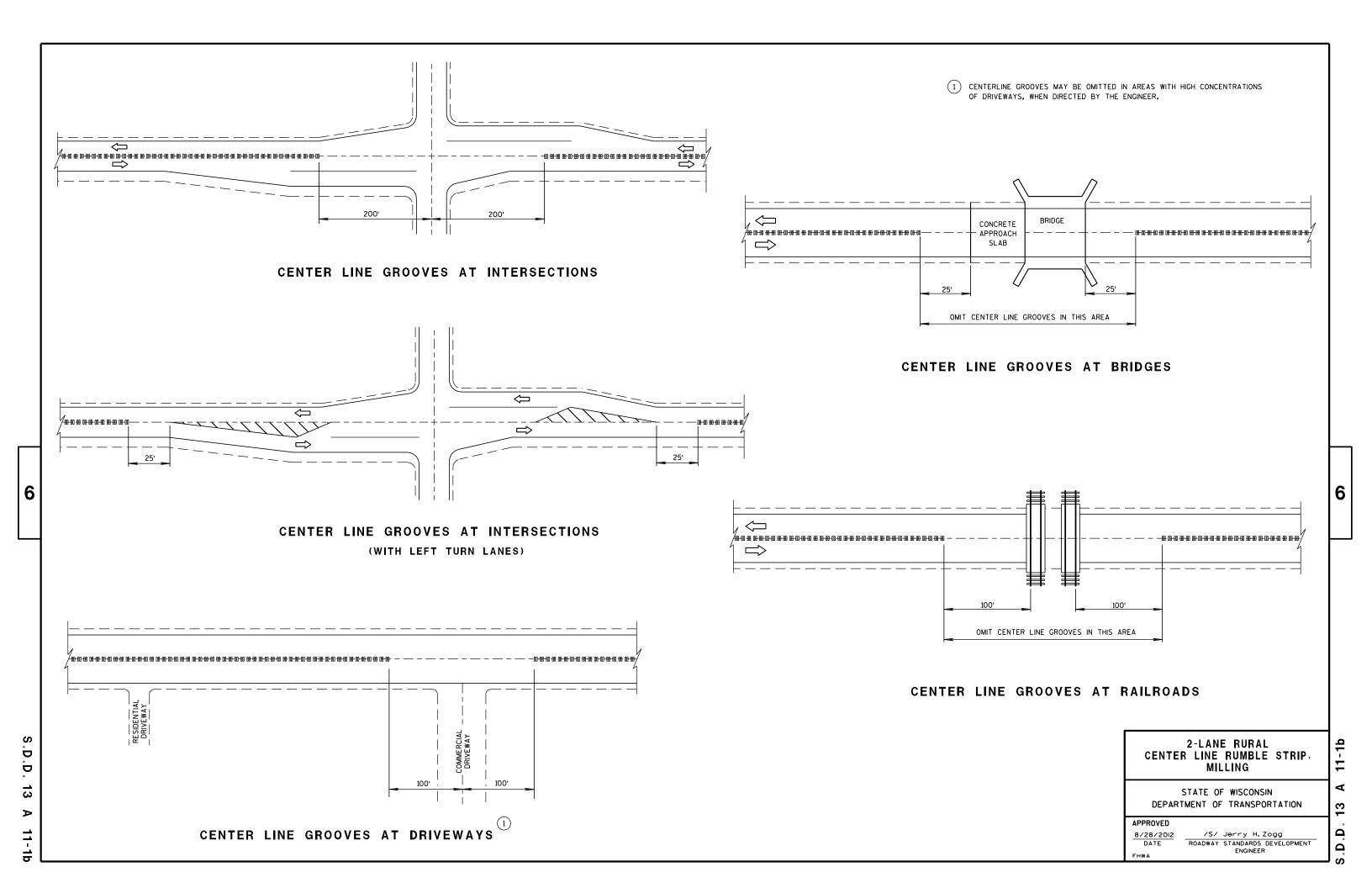
SILT FENCE

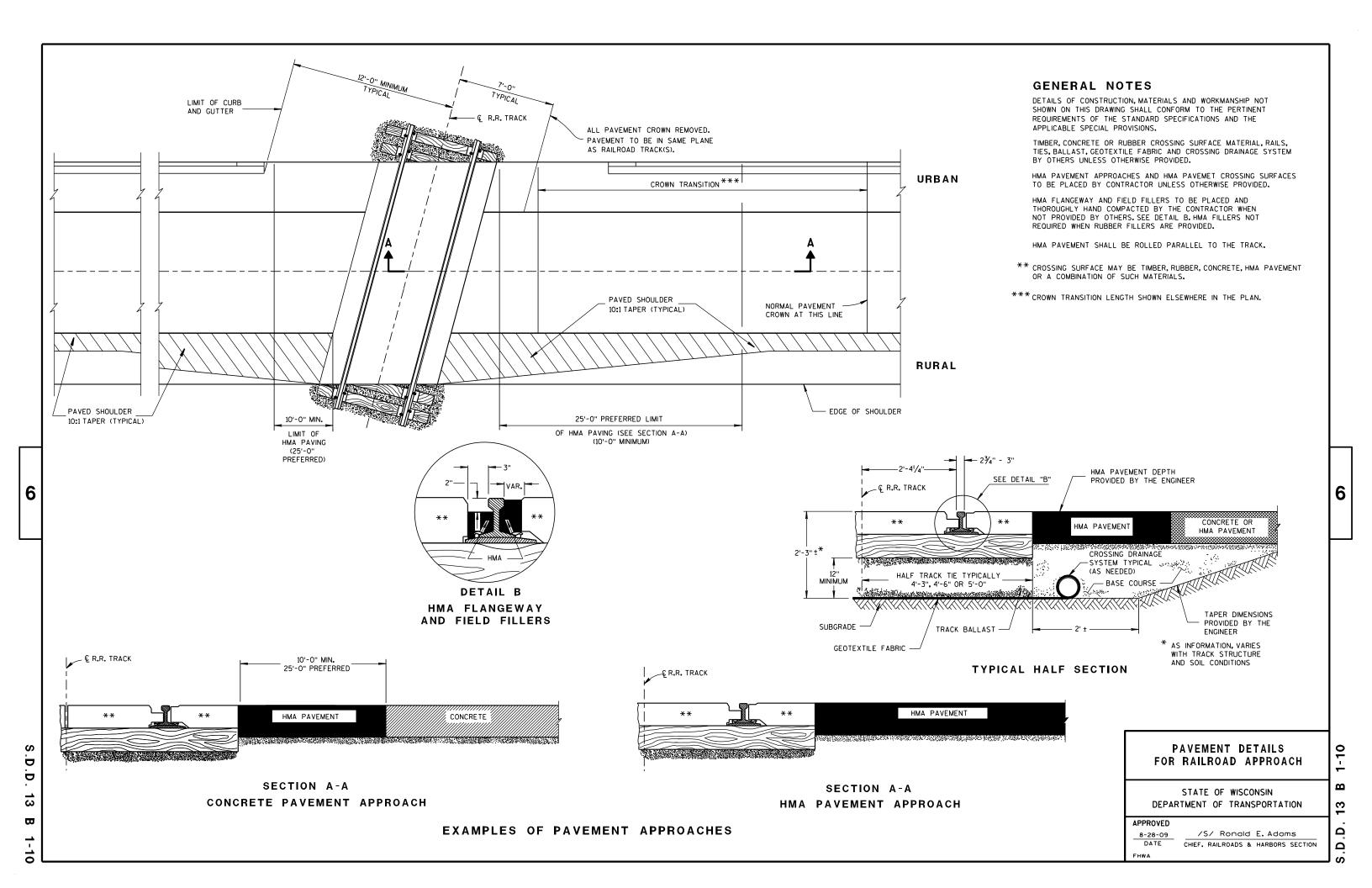
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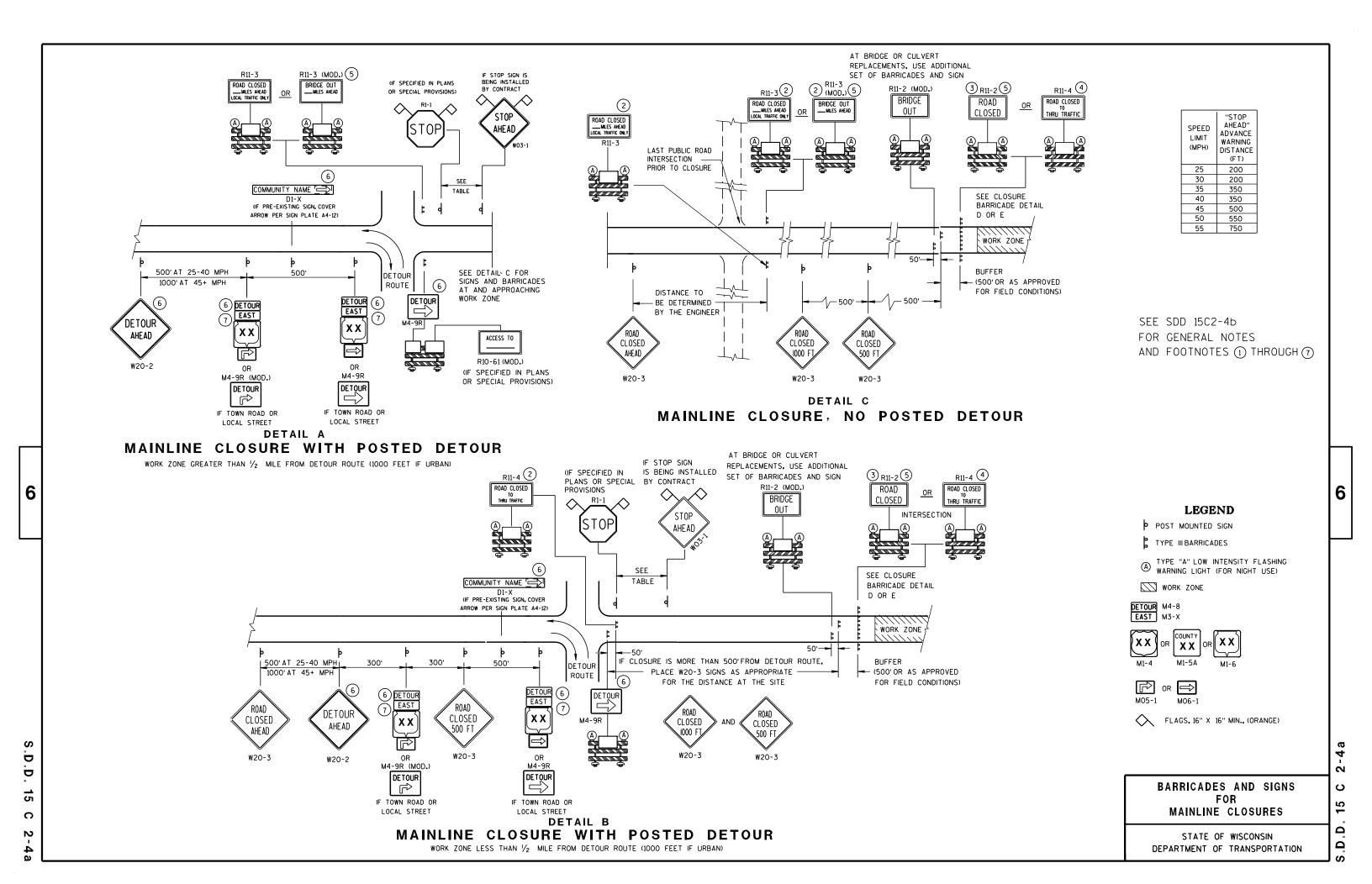


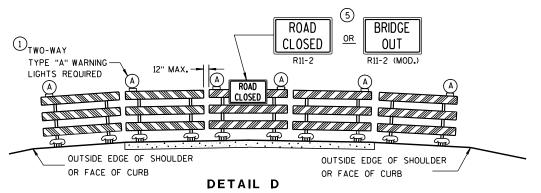






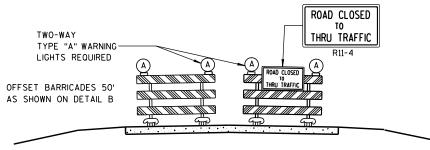






ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2-4a FOR LEGEND

GENERAL NOTES

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

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.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30".

R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".

M4-9 SHALL BE 30" X 24".

M3-X AND M4-8 SHALL BE 24" X 12" (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX.8-FOOT LIGHT SPACING).
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN, USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

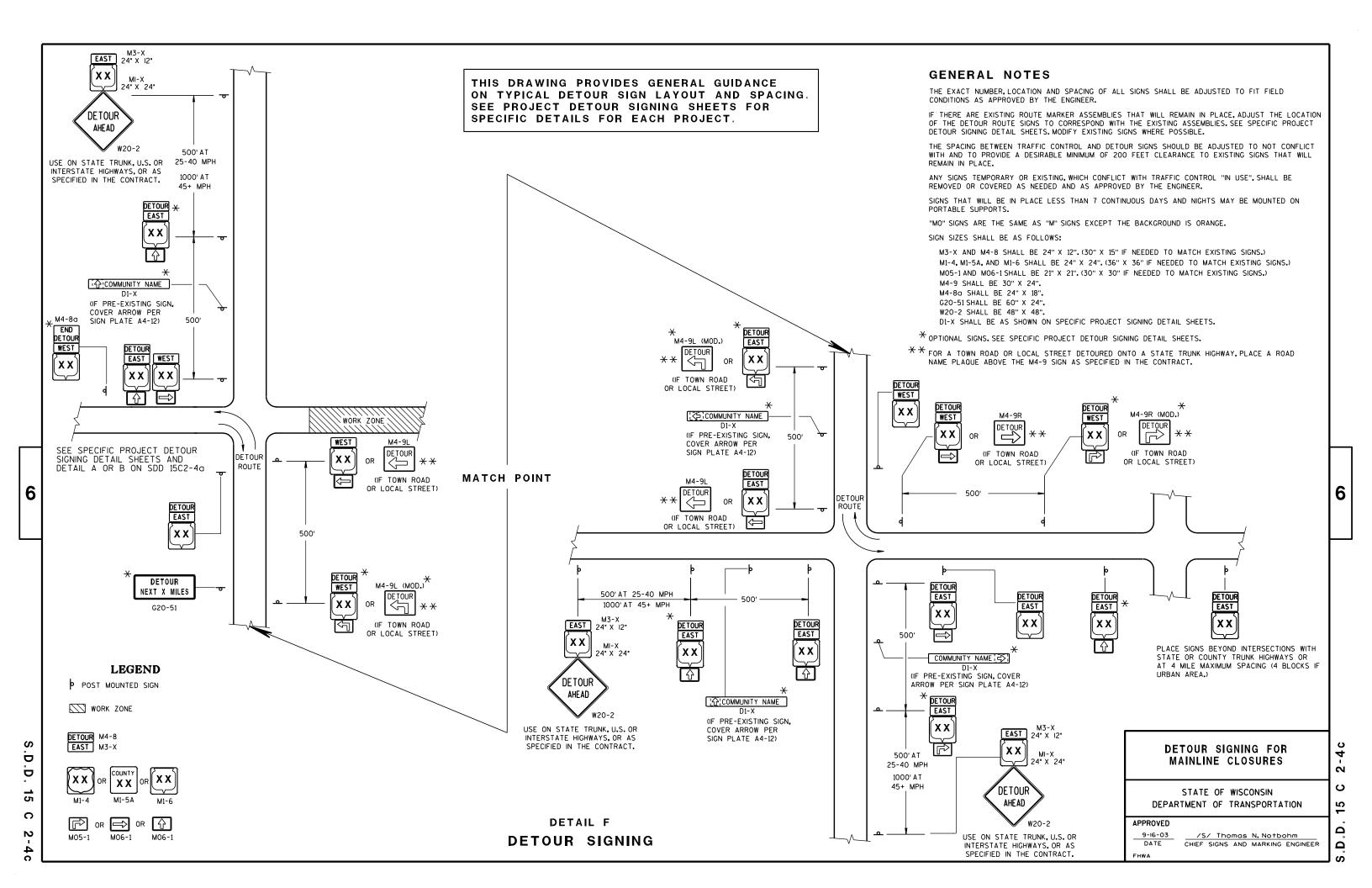
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Thomas N. Notbohm
CHIEF SIGNS AND MARKING ENGINEER

2 Ω



GENERAL NOTES

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

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.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3 AND R11-4 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500'MAX.OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

POST MOUNTED WARNING SIGN

TYPE III BARRICADES

(A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)

WORK AREA

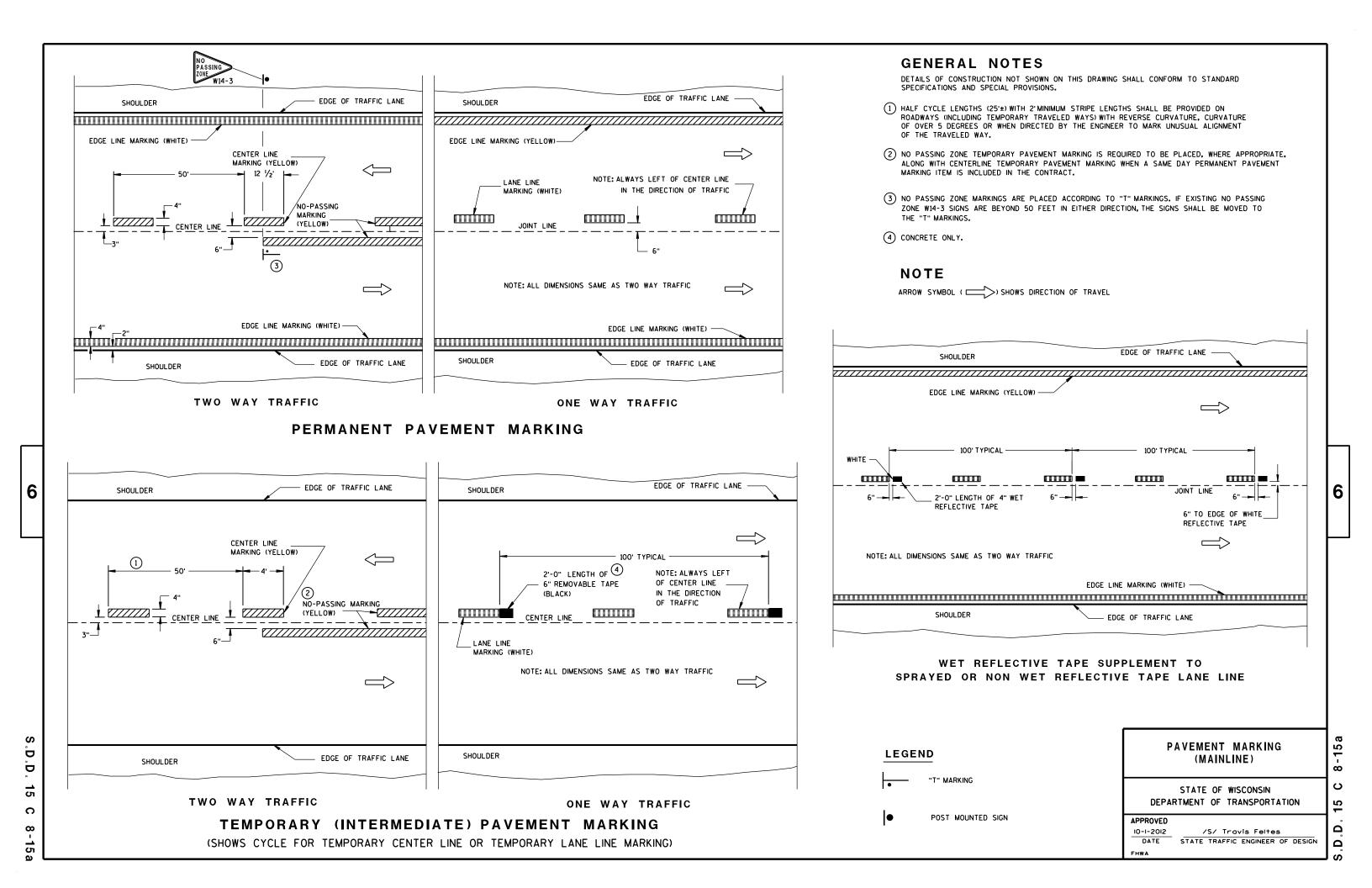
BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

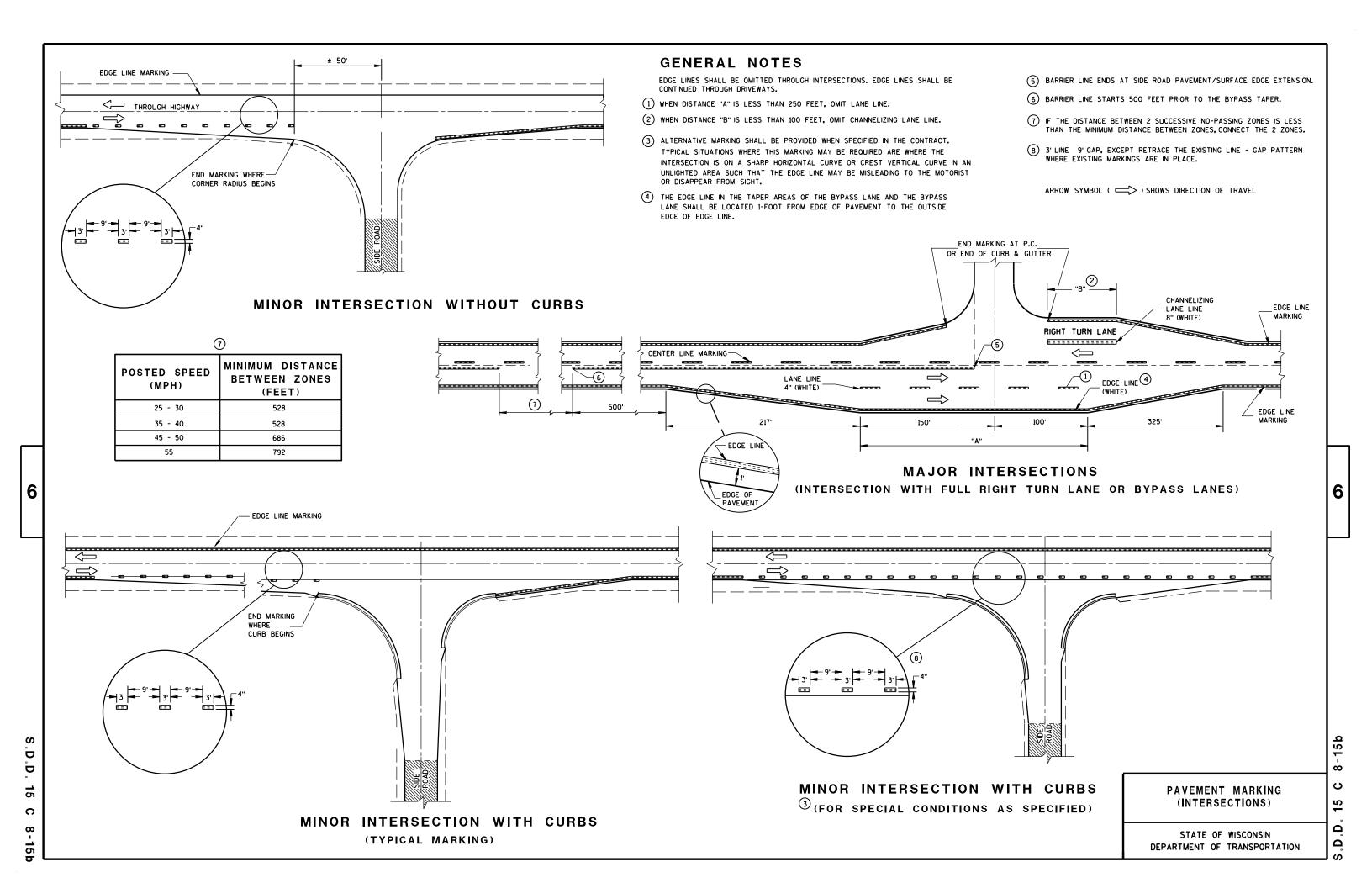
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

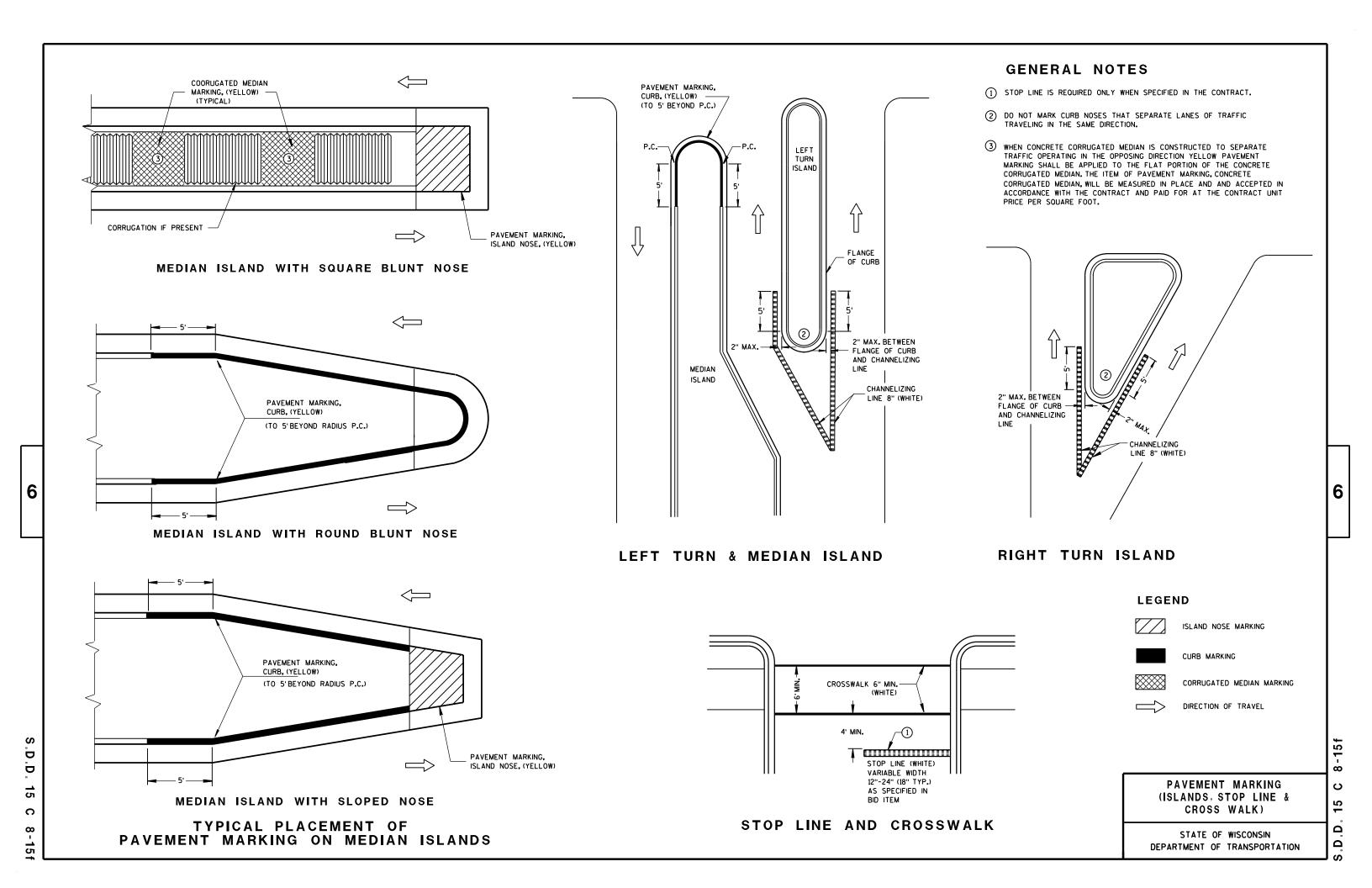
APPROVED

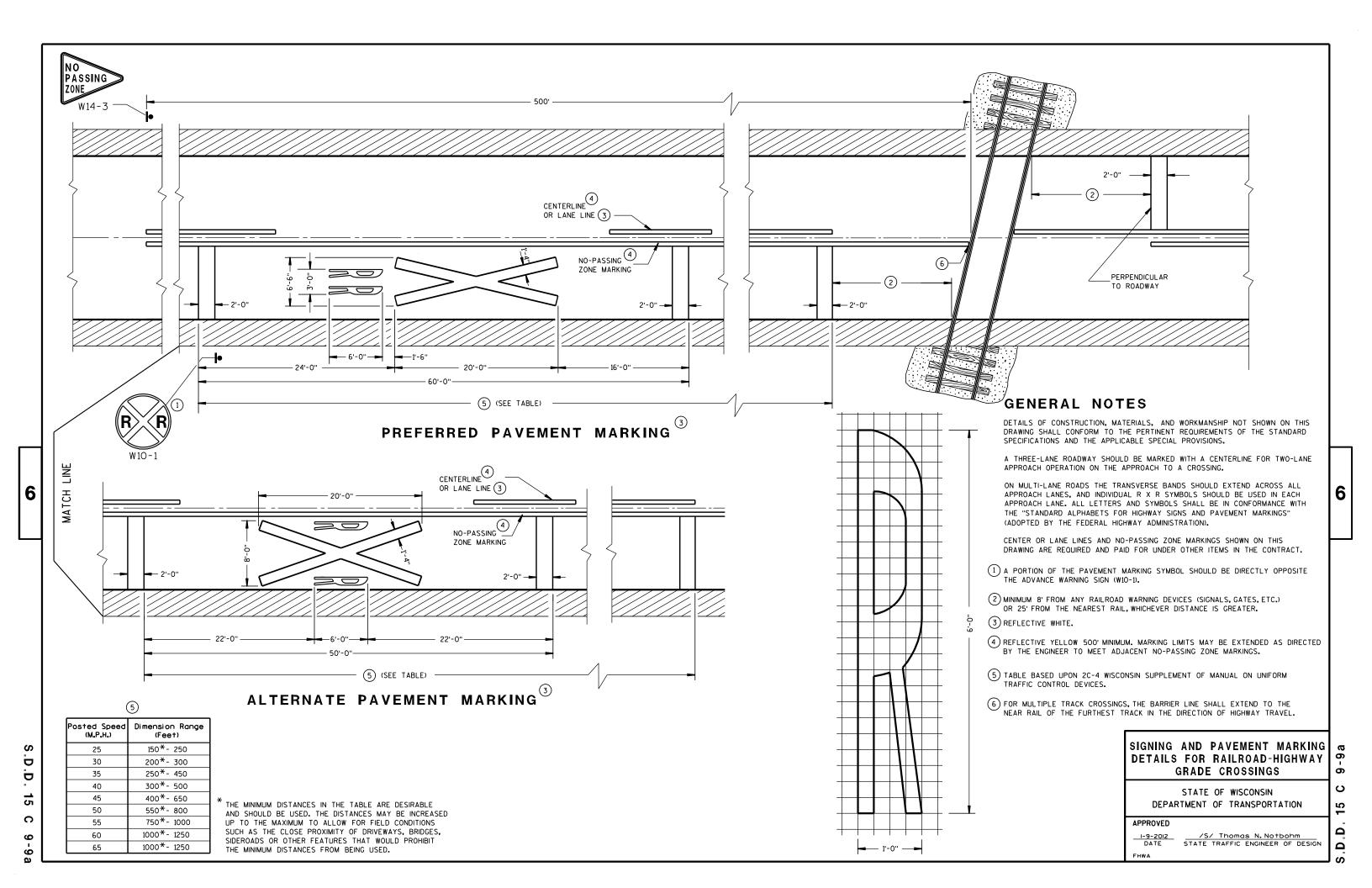
9-16-03
DATE CHIEF SIGNS AND MARKING ENGINEER

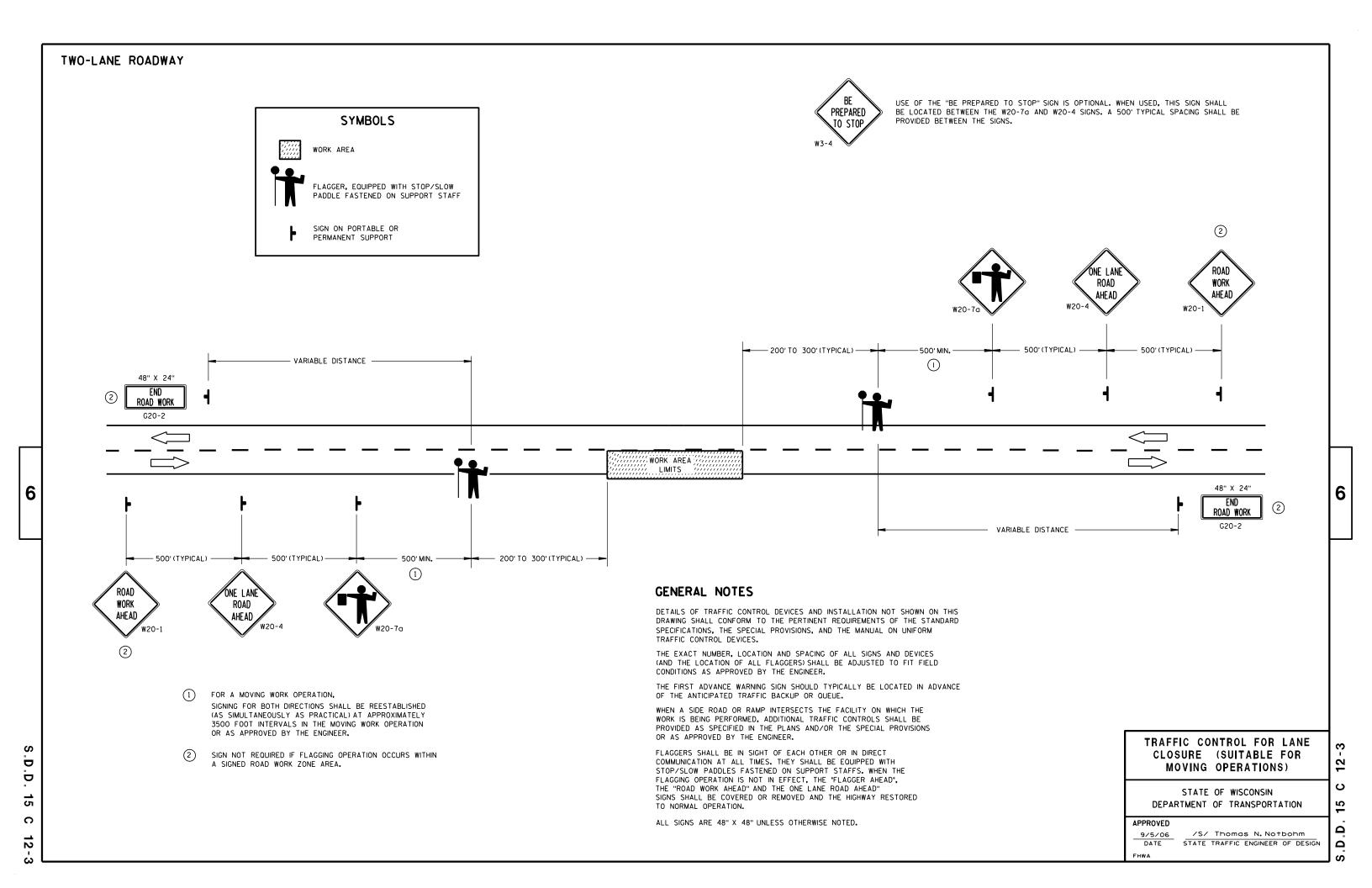
.D. 15 C 3-1

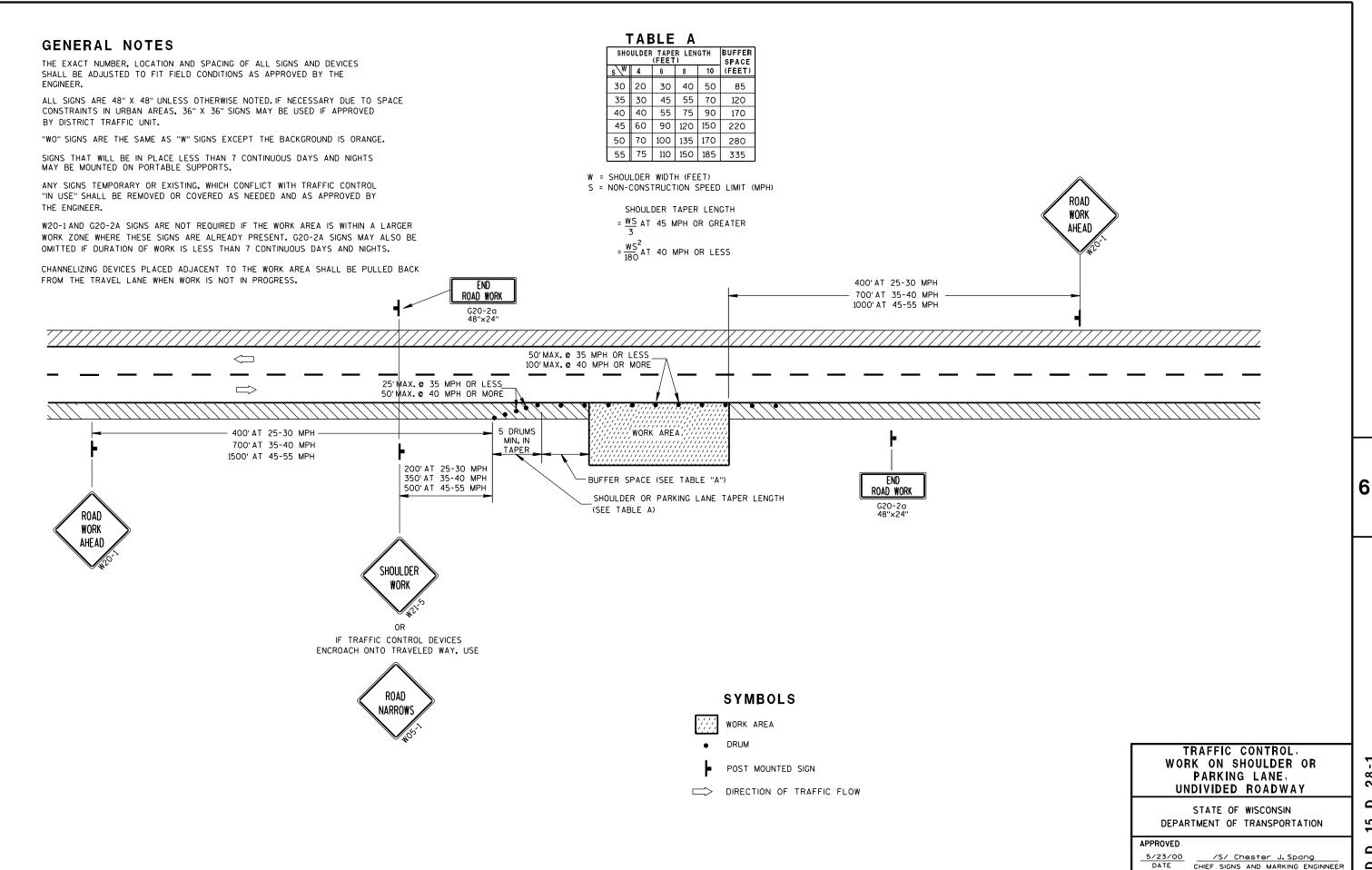












6

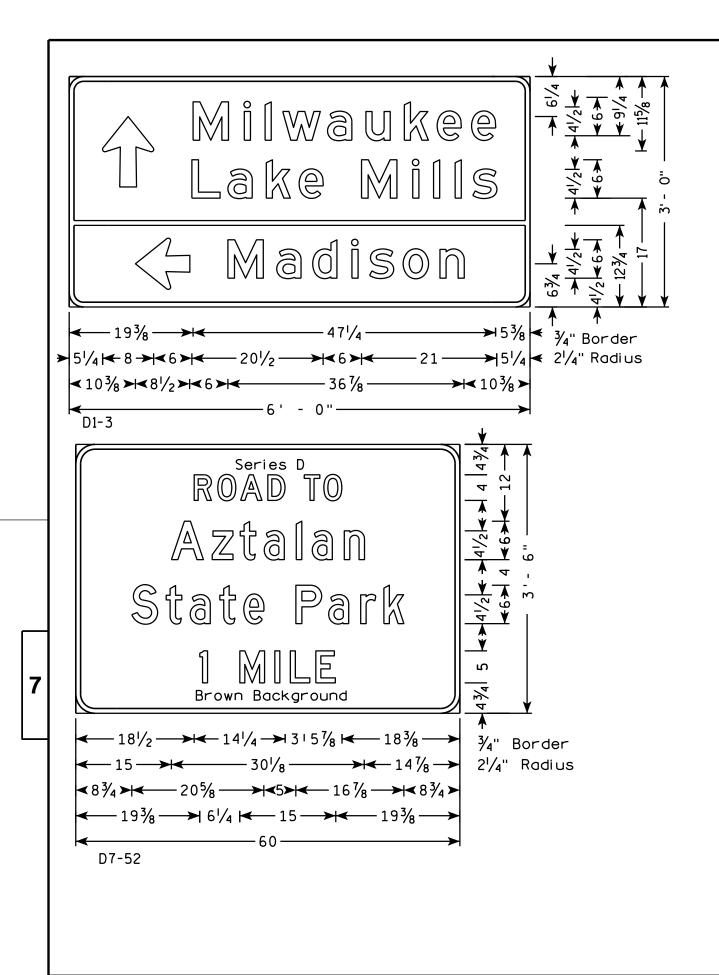
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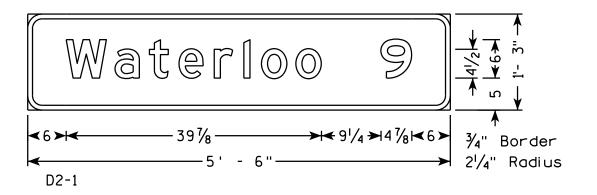
PROJECT NO: 3290-00-60

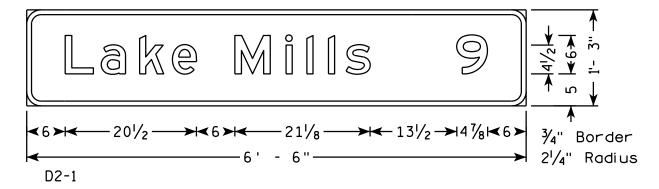
NOTES

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

Background - Green except as noted Message - White

3. Message Series - E except as noted





FILE NAME: R:\Projects\d1_32900030\070101_ps.dgn

PLOT DATE: 29-JAN-2013 15:15

PLOT BY: dotj3j

PLOT NAME:

PLOT SCALE: 14.990625:1.000000

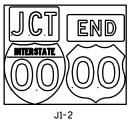
WISDOT/CADDS SHEET 42

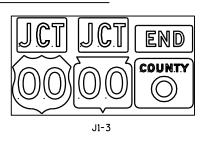
TYPICAL ASSEMBLIES



North

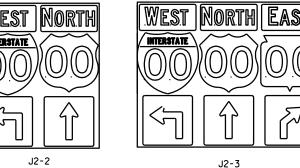
INTERSTATE

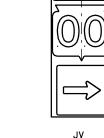




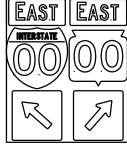


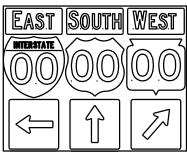






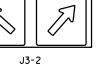
J2-1

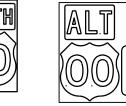


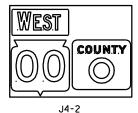


J3-3













EAST

J32-1

IMTERSTATE





J33-1





J23-1

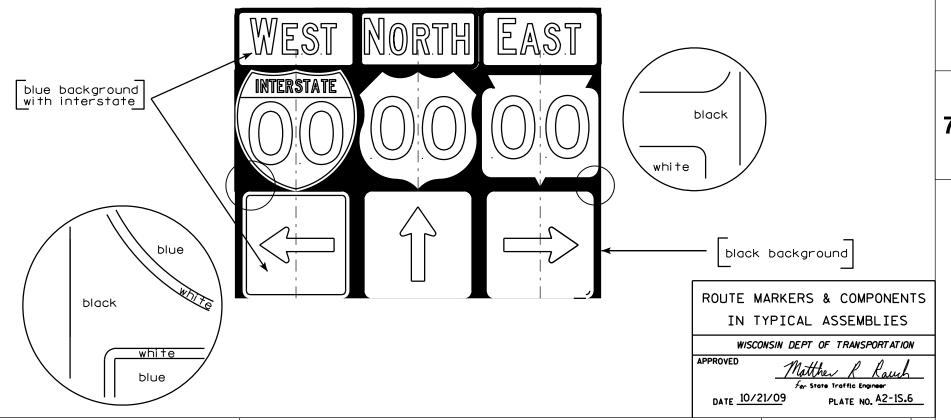


NOTES

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

Background - Black Non-reflective Message - see Note 5

- 3. Message Series See Note 5
- 4. Corners shall be square since base material is plywood.
- 5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
- 6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
- 7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
- 8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
- 9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



PROJECT NO:

J13-1

COUNTY

FRONTAGE

ROAD

SHEET NO:

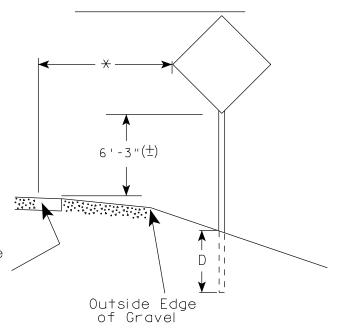
Ε



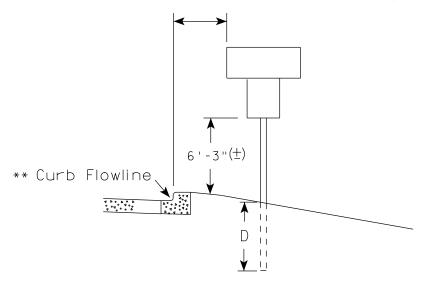
URBAN ARFA

2' Min - 4' Max (See Note 5) 7'-3"(士) ** Curb Flowline. D White Edgeline Location

RURAL ARFA (See Note 2)



2' Min - 4' Max (See Note 5)



5'-3"(士) White Edgeline D 11 Location Outside Edae of Gravel

 $\mid_{X|X}$ 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

* 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.

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), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of $4'-3''(\pm)$.

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

Matther R Raud for State Traffic Engineer

DATE 9/21/2011

PLATE NO. 44-3.16

SHEET NO:

PROJECT NO:

HWY:

COUNTY:

PLOT NAME :

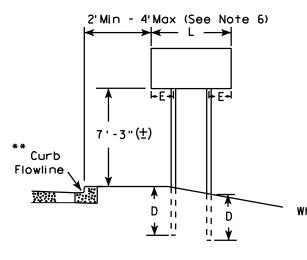
PLOT SCALE: 101.303739:1.000000

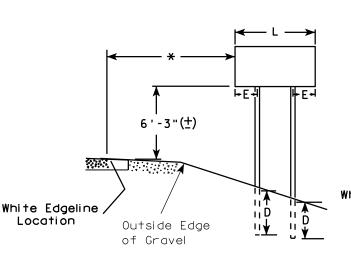
WISDOT/CADDS SHEET 42

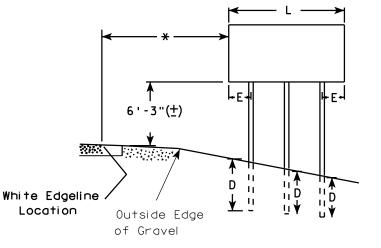
measured from the flow line.

URBAN AREA

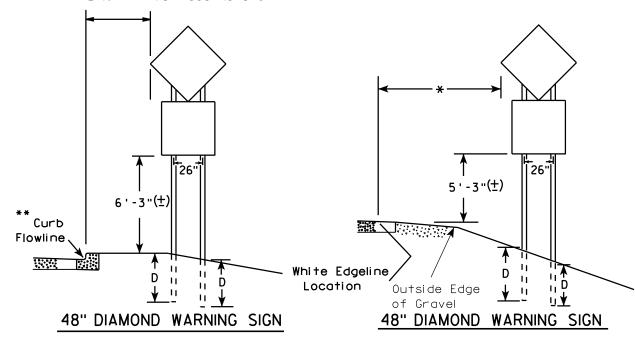
RURAL AREA (See Note 3)











SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE		SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E	L	E
Greater than 48" Less than 60"	12"	Greater than 120" less than 168"	12"
60" to 120"	L/5	1000 111011 100	

HWY:

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

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" (\pm).
- * 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

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

PLOT NAME :

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

DATE 9/21/2011

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\A44.DGN

* * *

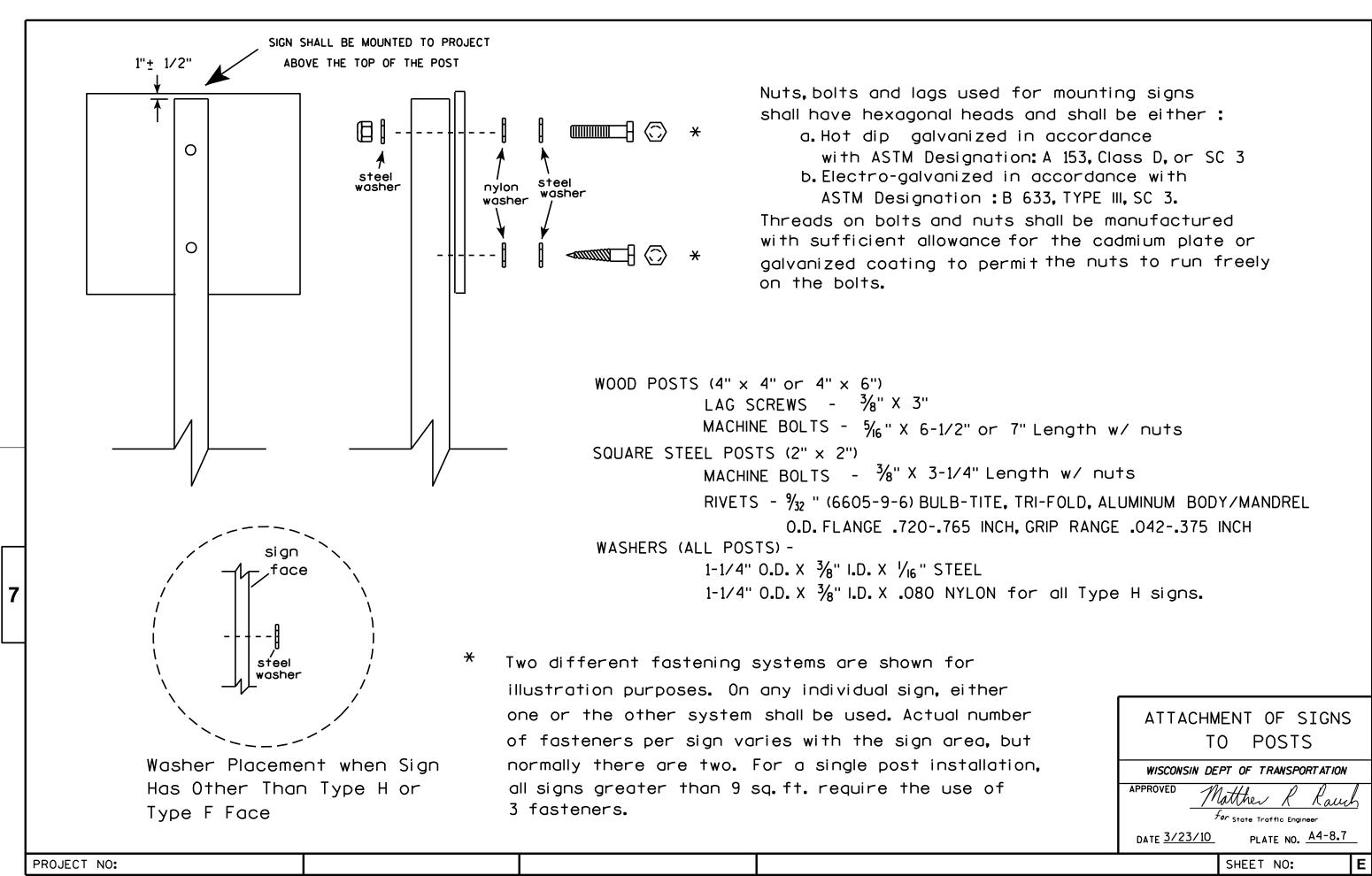
PROJECT NO:

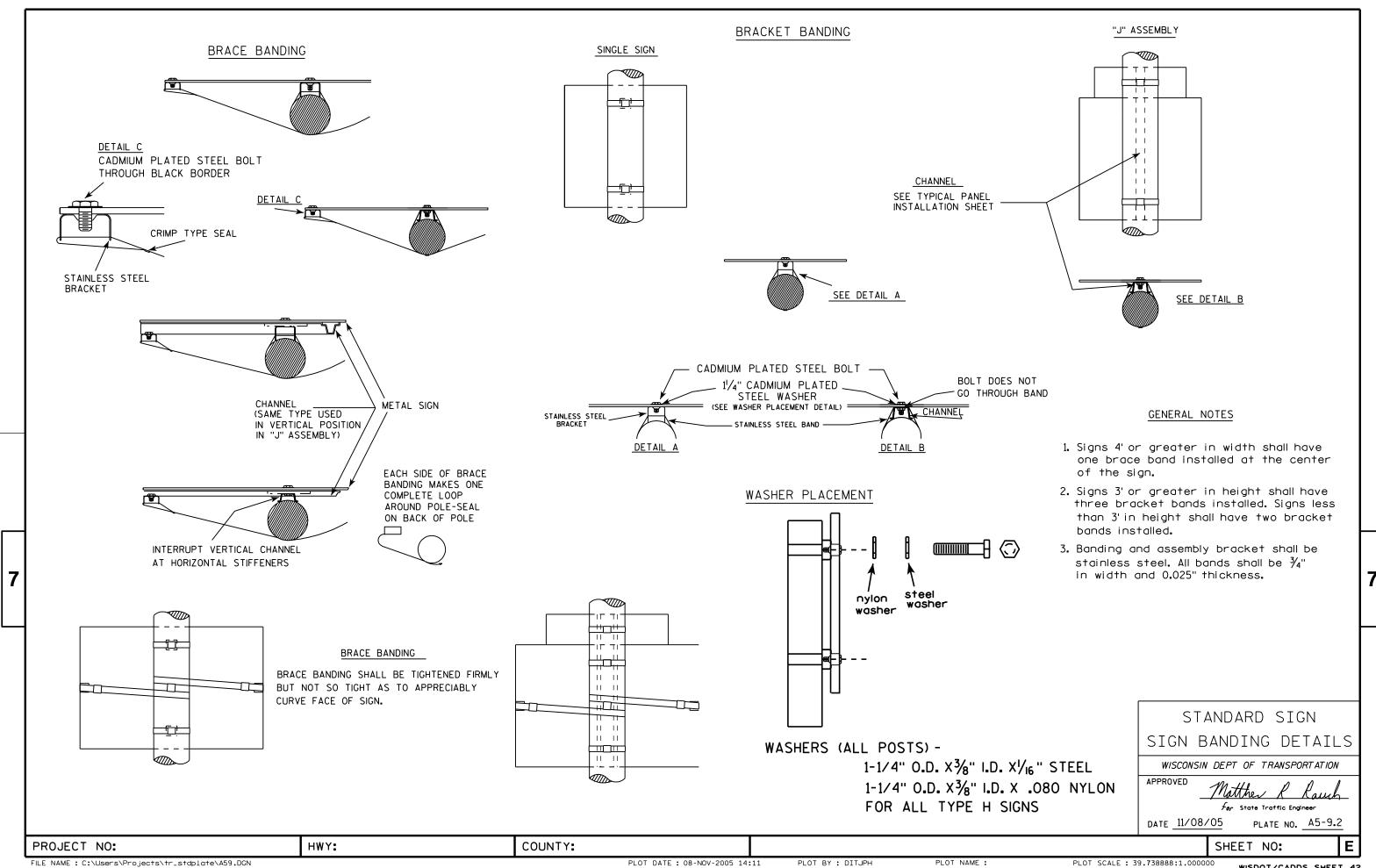
PLOT DATE: 21-SEP-2011 13:36

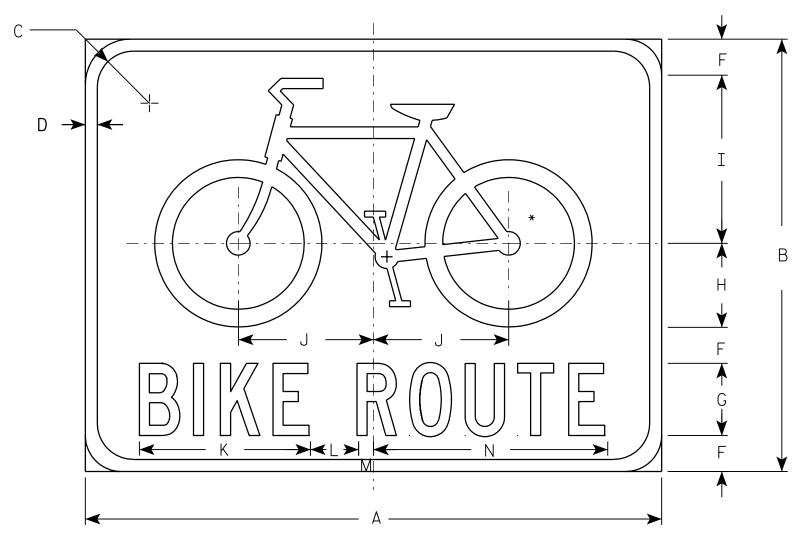
PLOT BY: mscsia

PLOT SCALE: 109.249131:1.000000 WISDOT/CADDS SHEET 42

COUNTY:







- 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

- 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.

D11-1

Metric equivalent for this sign is:

SIZE					
1					
2	600	mm	Χ	450	mm
3	750	mm	Χ	600	mm
4					
5					

PROJECT NO:

SIZE G Н U 5 % 1 1/2 3 1/2 7 1/8 5/8 9 3/4 24 18 1 1/2 1/2 3 3.0 0.27 3 4 3/4 9 1/4 7 1/2 9 1/2 2 % 5.0 30 24 1 1/4 ⁷∕8 13 0.45 4 5

STANDARD SIGN D11-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew

For State Traffic Engineer

DATE 3/24/04 PLATE NO. D11-1.1

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\D111.DGN

PLOT DATE: 17-MAR-2005 10:38

PLOT BY : DOTDZK

- 1. Sign is Type II See Note 6 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Top Red - Bottom Blue (See Note 6) Message - White - See Note 6

- 3. Message Series See note 5
- 4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
- 5. M1-1 Numerals D Interstate - C

M1-1A - All copy - C

6. Permanent Signs

Message - Type H Reflective

Detour or other temporary signs

Background - Reflective Message - Reflective

7

Metric equivalent for these signs are:

M1-1

HWY:

SIZE	M1 - 1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

	1 300	1111111	X 900	J 111111	1 2 1	300 1	11111 X I	123 11111	<u>'</u>																	M1 - 1	W1-1A	M1 - 1	W1-1A
SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	T	U	٧	W	Х	Y	Area sq. ft.	Area sq. ft.	Area m2	Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 ½	15	24	17	7 1/8								30			3.13	3.91	. 36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36		·		3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4	·						·	45			7.03	8.79	. 81	1.05
5	36		·		3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 ½	11 3/4								45			7.03	8.79	. 81	1.05

COUNTY:

INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew A

 f_{or} State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\M11.DGN

PROJECT NO:

PLOT DATE: 13-0CT-2005 14:49

M1-1A

PLOT BY : DITJPH PLOT NAME :

PLOT SCALE: 7.947778:1.000000

00 WISDOT/CADDS SHEET 42

- Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

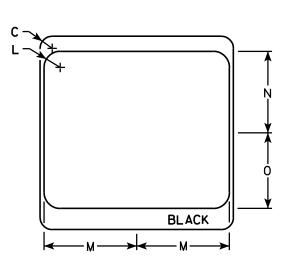
Background - White & Black - See Note 7 Message - Black

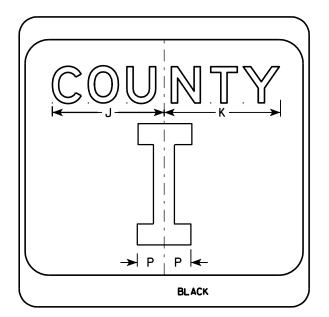
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

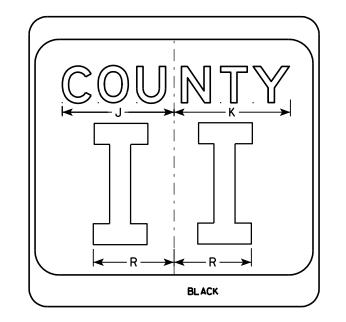
 Message Series D for 2 letters unless
 message is too big then Series C.

 Message Series C for 3 letters unless
 message is too big then Series B.
- 6. Substitute appropriate letters & optically center to achieve proper balance.
- 7. Permanent Signs

Background - Type H Reflective Detour or temporary Signs Background - Reflective







PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 %									4.0
3	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 %		10									9.0
5	36		2 1/4			16	4	7 5/8	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
DDO	IECT	NO.					111	/V.					COUN	TV.													
FRU	JECT	NO.					HV	V I .						I I .					I								

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PROVED

Matthew Rauch

Forstate Traffic Engineer

NATE 9/27/11 PLATE NO. M1-5A.8

DATE 9/27/11

SHEET NO:

BLACK

M1-5A

- 1. Sign is Type II See Note 6 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White & Black - See Note 6 Message - Black

- 3. Message Series See note 5
- 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 Series numerals and adjust spacing as per plate A10-1.
- 6. Permanent Signs
 Background Type H Reflective
 Detour or temporary Signs
 Background Reflective

BLACK	↑ G → ↑ F → → ↑ → → → → → → → → → →
Metric equivalent for this sign is:	

HWY:

900 mm X 900 mm

5 900 mm X 900 mm

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 %	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0	. 36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	. 81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
ט ן	26		2 /4			10	0 74	J /4	12 78	3 78	12 78	11 /8	1 /2	² /8	10 /8	33		<u> </u>										9.0

COUNTY:

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

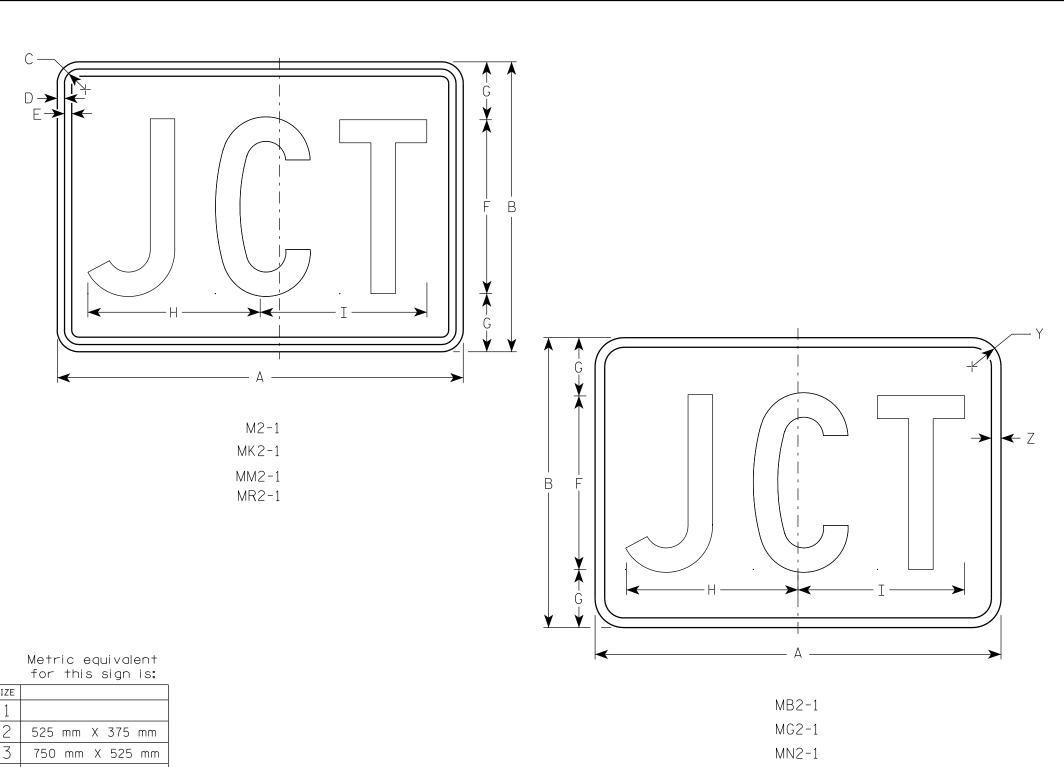
APPROVED

The state Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

SHEET NO:

PLOT NAME :



- 1. Sign is Type II See Note 5 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See note 5 Message - See note 5

- 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.
- 5. M2-1 Background White Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
 - MB2-1 Background Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
 - MG2-1 Background Green Message - White - Type H Reflective
 - MK2-1 Background Green Message - White - Type H Reflective
 - MM2-1 Background White Type H Reflective Message - Green
 - MN2-1 Background Brown Message - White - Type H Reflective
 - MR2-1 Background Brown Message - Yellow - Type H Reflective

750 mm X 525 mm 750 mm X 525 mm

PROJECT NO:

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	21	15	1 1/8	3/8	3/8	9	3	8 1/8	8 5/8																1 1/2	1/2	2.20	0.20
3	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40	0.20
4	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40	0.20
5	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40	0.20

COUNTY:

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 f_{or} State Traffic Engineer

PLATE NO. M2-1.10 DATE 3/16/10

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M21.DGN

HWY:

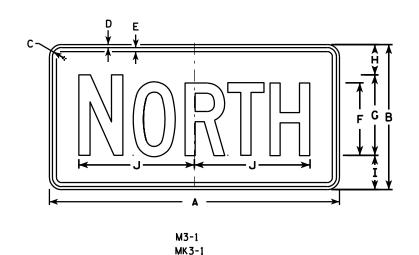
PLOT DATE: 16-MAR-2010 09:49

PLOT NAME :

PLOT BY: dotsja

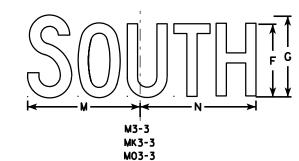
PLOT SCALE: 4.965868:1.000000

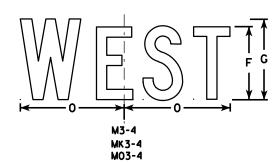
WISDOT/CADDS SHEET 42



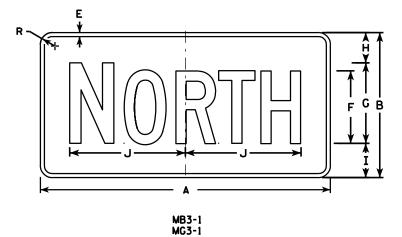
M3-2 MK3-2 M03-2

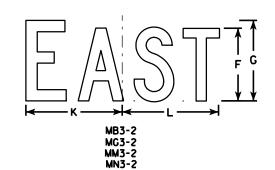
MO3-1





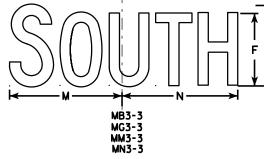
HWY:

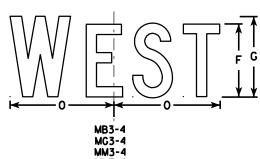




MM3-1

MN3-1





NOTES

- 1. All Signs Type II See Note 5 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See note 5 Message - See note 5

- 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.

5. M3-1 thru M3-4 Background - White - Type H Reflective (Detour or temporary signs - Reflective) Message -Black

MB3-1 thru MB3-4 Background - Blue Message - White - Type H Reflective (Detour or temporary signs - Reflective)

Background - Green MG3-1 thru MG3-4 Message - White - Type H Reflective

Background - Green MK3-1 thru MK3-4 Message - White - Type H Reflective

MM3-1 thru MM3-4 Background - White - Type H Reflective Message - Green

Background - Brown MN3-1 thru MN3-4 Message - White - Type H Reflective

M03-1 thru M03-4 Background - Orange - Reflective Message -Black

6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	כ	٧	W	X	Y	Z	Areo sq. ft.
1																											
2	24	12	1 1/8	3/8	3⁄8	6	7	2 1/4	2 3/4	10 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 ¾			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 **SERIES**

WISCONSIN DEPT OF TRANSPORTATION

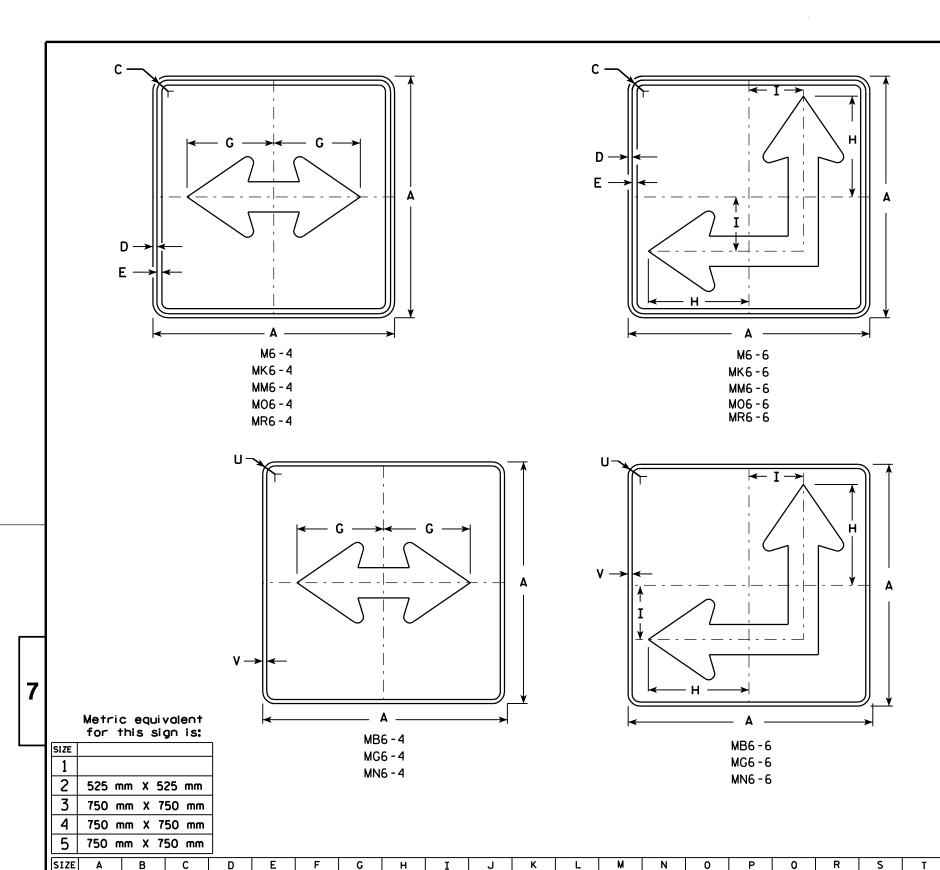
APPROVED

DATE __11/10/10 PLATE NO. M3-1.12

SHEET NO:

PROJECT NO:

PLOT NAME :



- 1. Signs are Type II See Note 4 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See Note 4 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. M6-4 and M6-6 Background White Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
 - MB6-4 and MB6-6 Background Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
 - MG6-4 and MG6-6 Background - Green Message - White - Type H Reflective
 - MK6-4 and MK6-6 Background Green
 - Message White Type H Reflective MM6-4 and MM6-6 Background - White - Type H Reflective Message - Green
 - MN6-4 and MN6-6 Background Brown
 - Message White Type H Reflective M06-4 and M06-6 Background - Orange - Reflective
 - Message Black
- MR6-4 and MR6-6 Background Brown
- Message Yellow Type H Reflective 5. M6-6R same as M6-6L except arrow points ahead and right.

Areo Areo

6.25 0.56

0.28

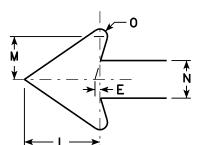
0.56

0.56

3.06

6.25

6.25



*************************************	-0	
M V	/ 	— -
←	_L_	

STANDARD SIGN M6-4 & M6-6**SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 3/16/10 PLATE NO. M6-4.7

SHEET NO:

Н

7 1/2 8 3/4 4 1/4

10 3/4 12 1/2 6 3/4

10 3/4 12 1/2 6 3/4

10 3/4 12 1/2 6 3/4

HWY:

I

J

COUNTY:

PLOT DATE: 16-MAR-2010 11:24

1/2

3/4

3/4

2 %

5 1/4

3

7 1/2 4 1/4 3 3/4

7 1/2 | 4 1/4 | 3 3/4

4 1/4 3 3/4

PLOT BY: dotsja

1 1/2

1 1/8

1 %

1 %

٧

1/2

1/2

1/2

1/2

W

PLOT NAME :

PLOT SCALE: 11.918087:1.000000

WISDOT/CADDS SHEET 42

1 1/8

1 3/8

1 3/8

1 3/8

3/8

1/2

1/2

1/2

3/8

5/8

5/8

2

3

4

5

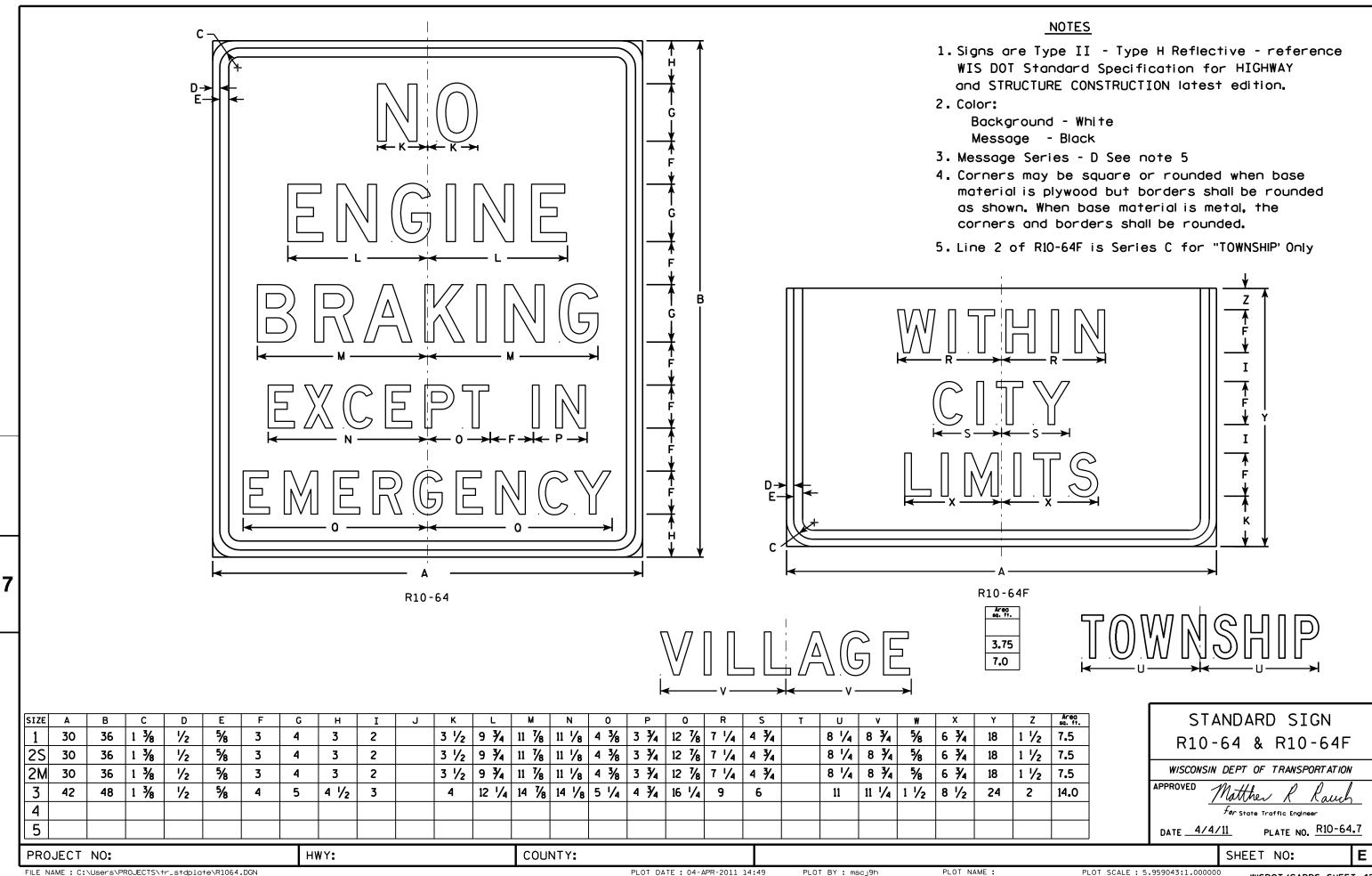
21

30

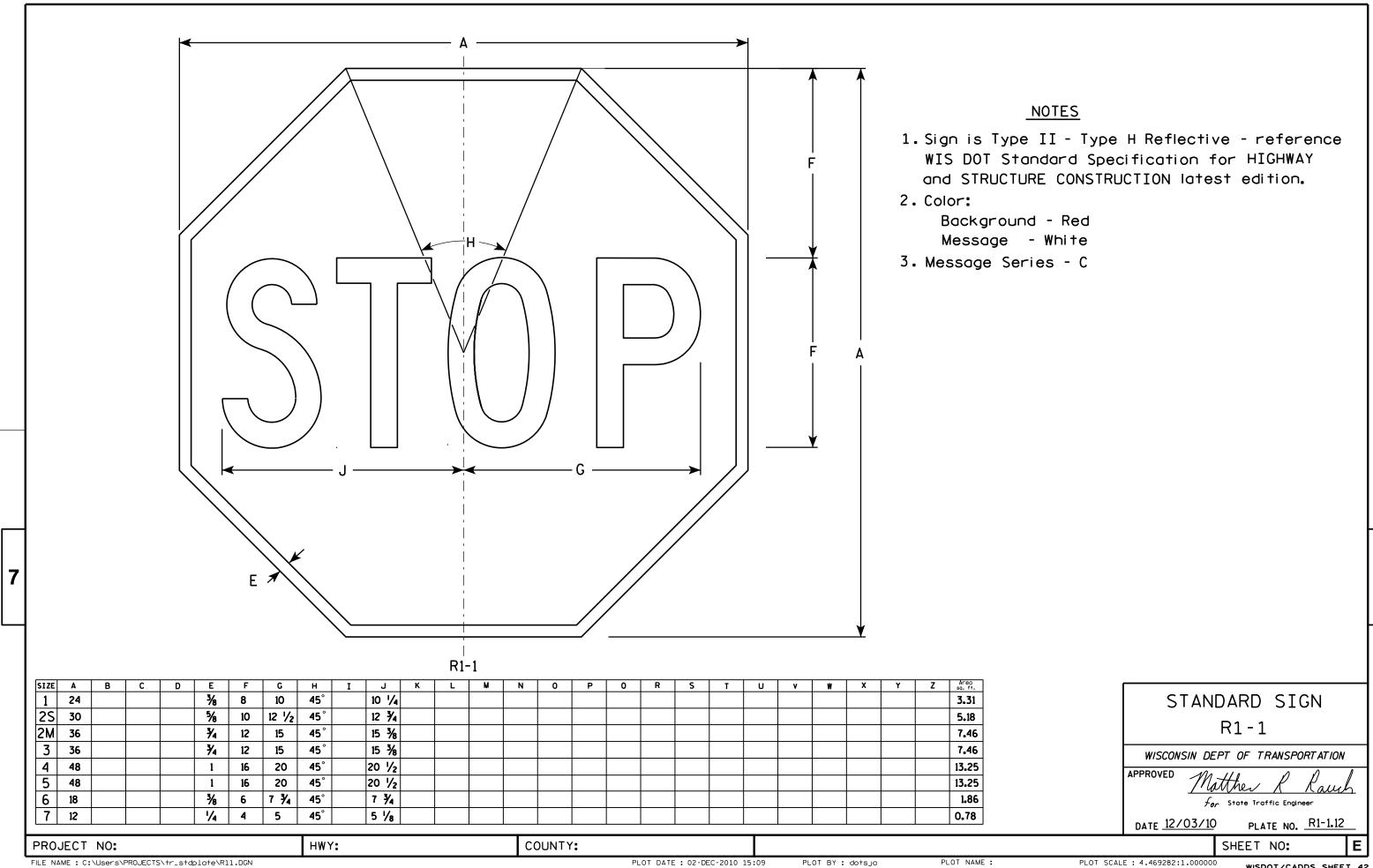
30

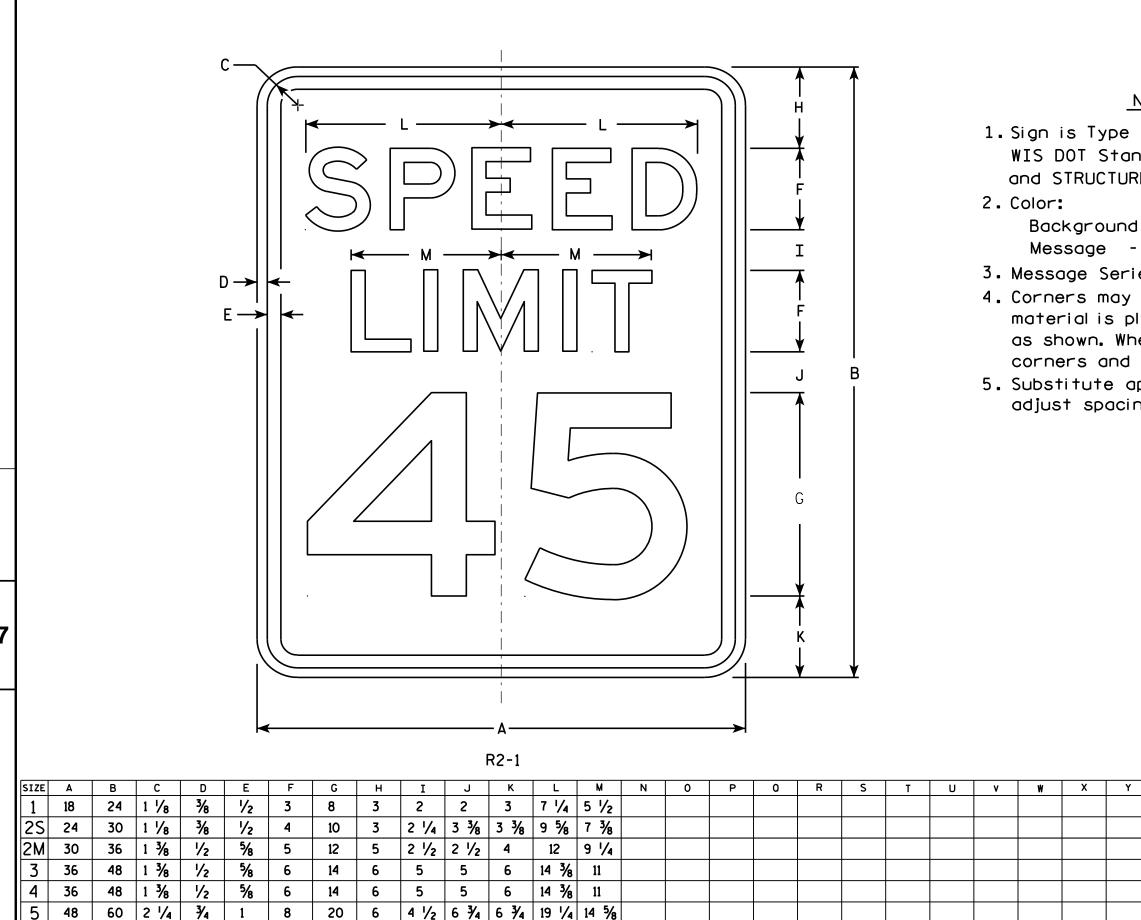
30

PROJECT NO:



FILE NAME : C:\Users\PROJECTS\tr_stdplate\R1064.DGN





COUNTY:

NOTES

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

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 DATE <u>5/26/1</u>0 PLATE NO. R2-1.13

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN

PROJECT NO:

HWY:

PLOT DATE: 28-MAY-2010 08:32

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 4.717577:1.000000

W10-1

<u>NOTES</u>

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

Background - Yellow Message - Black

3. Message Series - E

																								,			
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 %	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 %	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 %	5	2 1/2															12.57
5																											

COUNTY:

STANDARD SIGN W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matth

DATE 3/15/11 State Traffic Engineer PLATE NO. W10-1.7

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W101.DGN

PROJECT NO:

HWY:

PLOT DATE: 15-MAR-2011 14:02

PLOT BY: mscj9h

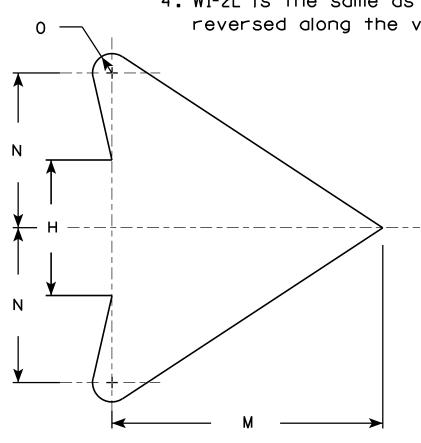
PLOT NAME :

PLOT SCALE: 6.952219:1.000000

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

Background - Yellow Message - Black

- 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. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



ARROW	DETAIL

								W	1-2R															DEIA	<u>-</u>		
SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	v	W	×	Y	Z	Areo sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
25	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 %	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 %	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 %	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0

COUNTY:

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

DATE <u>5/15/12</u>

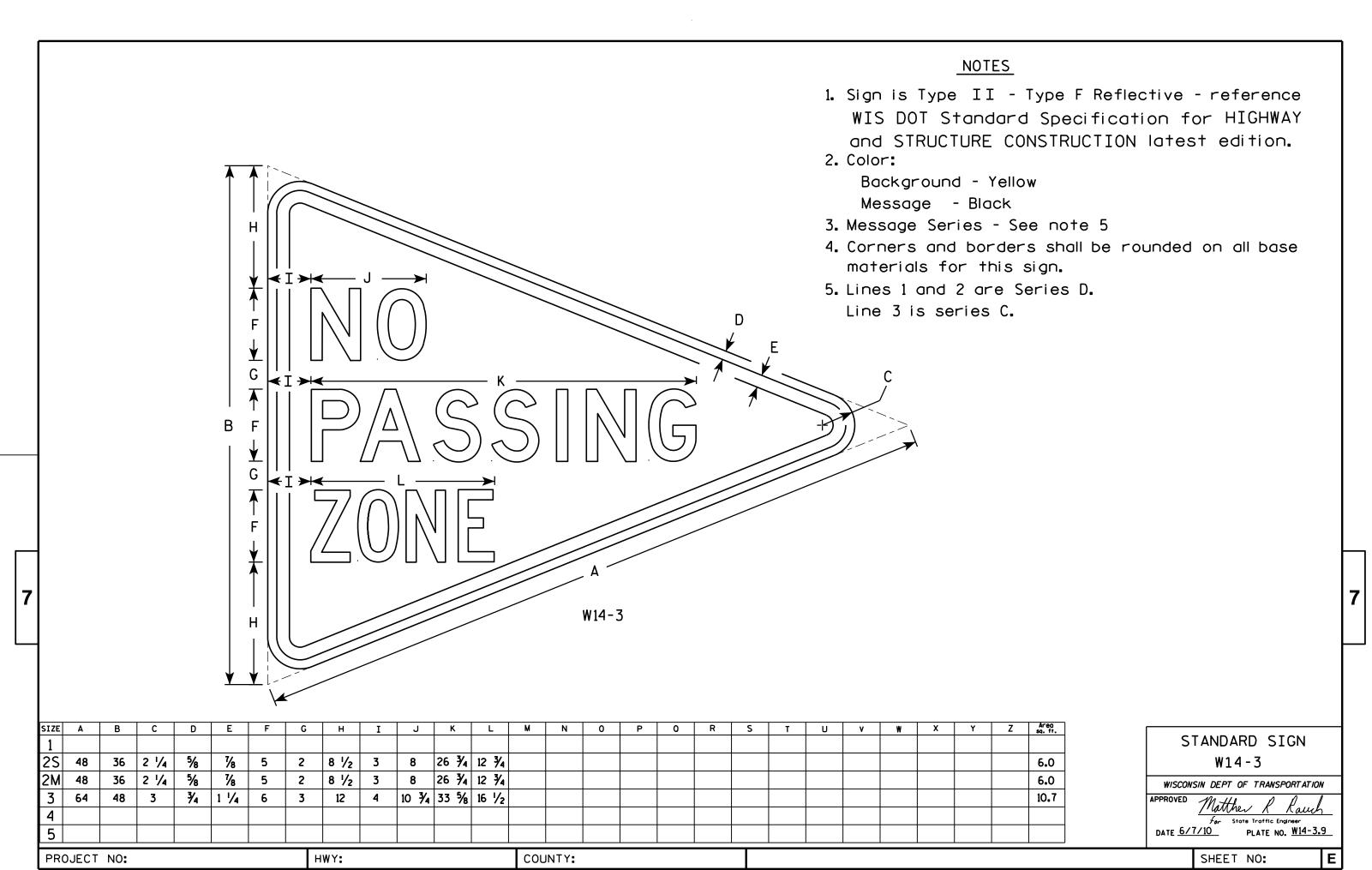
PLATE NO. W1-2.10

SHEET NO:

PROJECT NO:

← H →

HWY:



FILE NAME : C:\Users\PROJECTS\tr_stdplate\W143.DGN

PLOT DATE : 07-JUN-2010 13:11

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.710749:1.000000

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

Background - Yellow Message - Black

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.

c —	A A
	G
	<u>↓</u> ★ B
N + H - H	
A	
W1-6	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Areo sq. ft.
1	36	18	1 1/8	3∕8	3/8		9	10	3/4	5 %	4 3/4	2 3/8	14 %	29 1/4													4.5
25	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

COUNTY:

STANDARD SIGN W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W16.DGN

HWY:

PROJECT NO:

PLOT DATE: 07-JUN-2010 10:37

PLOT BY : ditjph

PLOT NAME :

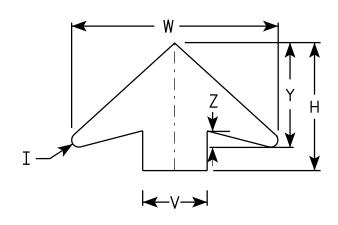
PLOT SCALE: 5.959043:1.000000

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

 Background YELLOW*

 Message BLACK
- 3. Message Series C for numbers Series E for wording
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
25	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3∕8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3∕8	9 3/4	1 %	9.0
2M	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 ¾	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
3	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
4	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	%	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9	12	8	25 %	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	1 / ₈	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 ¾	12	8	25 %	3/8	13	2	16.0

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

DATE 5/29/12 PLATE NO. W3-5.5

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W35.DGN

PROJECT NO:

PLOT DATE: 29-MAY-2012 10:52

PLOT BY: mscsja



W57 - 51

HWY:

NOTES

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

Background - Yellow 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.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	Α	В	С	D	Ε	F	G	Н	I	C	K	L	М	N	0	Ρ	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3⁄8	3/8	3	1 3/4	2 1/2	5	5 1/8	3	2 3/4	9 %														2.0
25	30	15	1 1/8	3/8	1/2	4	2	3	6 3/8	6 3/8	3	3 1/8	11 3/4														3.13
2M	36	18	1 1/8	3/8	1/2	5	2 5/8	2 3/4	7 1/8	8	5	4 1/8	15 3/8														4.5
3	36	18	1 1/8	3⁄8	1/2	5	2 %	2 3/4	7 1/8	8	5	4 1/8	15 3/8														4.5
4	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 %	19														8.0
5	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 %	19														8.0

COUNTY:

STANDARD SIGN W57-51

SHEET NO:

WISCONSIN DEPT OF TRANSPORTATION

APPROVED $\frac{\text{Matthex } R}{f_{or}}$ State Traffic Engineer

DATE 4/18/11

PROJECT NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W5751.DGN

PLOT DATE: 18-APR-2011 15:08

PLOT BY: mscj9h

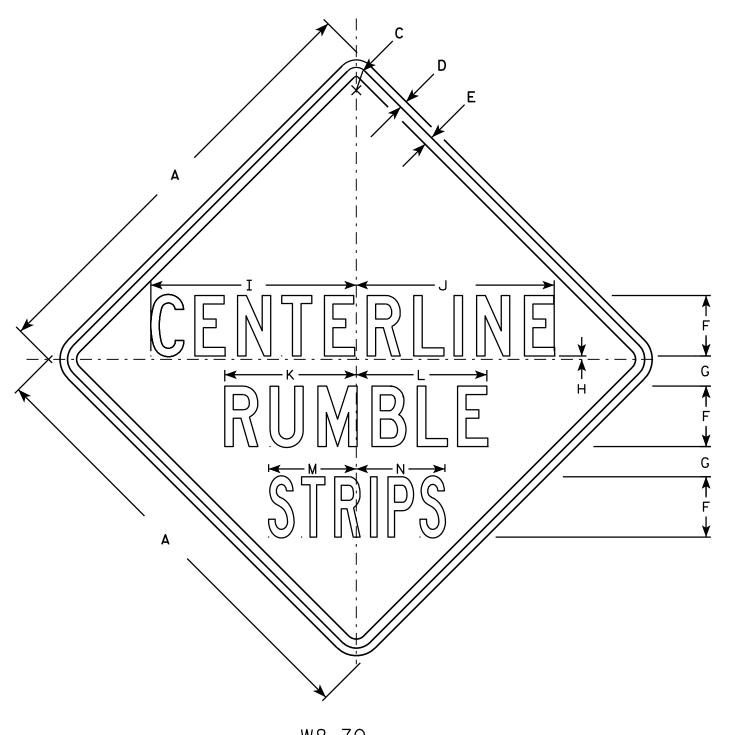
PLOT NAME :

PLOT SCALE: 3.972696:1.000000

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

Background - YELLOW Message - BLACK

- 3. Message Series SEE NOTE 5.
- 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. Line 1 and 2 are Series C. Line 3 is Series B.



W8-70

SIZE	Α	В	С	D	E	F	G	Η	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 %	5/8	₹4	5	2 1/2	1/4	17	16 3/8	10 1/8	10 ¾	7 1/4	7													9.0
2M	36		1 %	5/8	₹4	5	2 1/2	1/4	17	16 3/8	10 1/8	10 ¾	7 1/4	7													9.0
3	36		1 %	5/8	₹4	5	2 1/2	1/4	17	16 3/8	10 1/8	10 ¾	7 1/4	7 3/8													9.0
4																											
5																											

STANDARD SIGN W8-70

WISCONSIN DEPT OF TRANSPORTATION

APPROVED M _// // //

for State Traffic Engineer

DATE 3/23/11 PLATE NO.W8-70.2

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W870.DGN

PROJECT NO:

PLOT DATE: 23-MAR-2011 10:08

PLOT BY: mscj9h



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov