## MARCH 2014

#### ORDER OF SHEETS

Section No. 1 Section No. 2 Typical Sections and Details Estimate of Quantities Section No. 3 Section No. 3 Miscellaneous Ougntities Plan and Profile Section No. 5 Standard Detail Drawings Section No. 6 Section No. 7 Sign Plates Section No. 8 Structure Plans

TOTAL SHEETS = 156

# STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

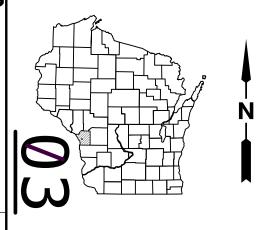
# CROSSE - SPARTA

STH 16 INTERCHANGE AREA

IH 90

LA CROSSE COUNTY

STATE PROJECT NUMBER 1071-08-62



#### DESIGN DESIGNATION

A.A.D.T. 25,100 A.A.D.T. D.H.V. D<sub>2</sub>D<sub>2</sub> 6.2% DESIGN SPEED ESALS

#### CONVENTIONAL SYMBOLS

CORPORATE LIMITS

PLAN

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

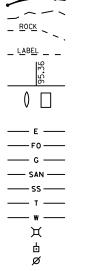
MARSH AREA

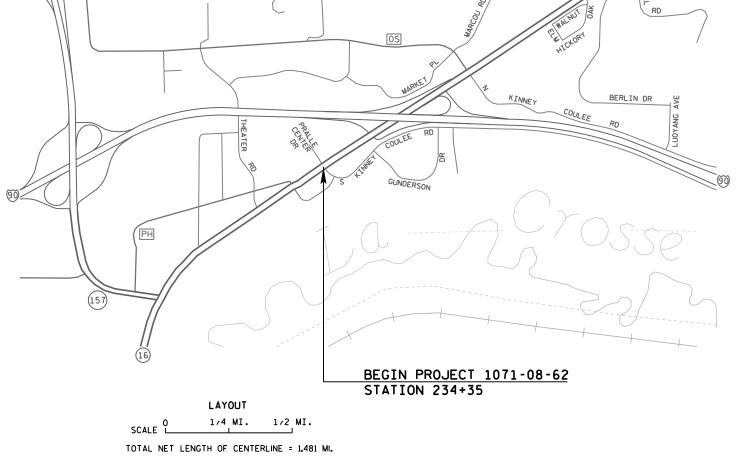
ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL

PROFILE

GRADE LINE

ROCK \_ \_ LABEL \_ \_





DATE: 10/29/13

PREPARED BY

C.O. Examiner

Surveyor

END PROJECT 1071-08-62

STATION 312+53

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

REINY YAHNKE

WALDO TODD

Regional Supervisor <u>STEPHEN\_FLO</u>TTMEYER

FEDERAL PROJECT

PROJECT

CONTRACT

\_

STATE PROJECT

1071-08-62

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

FILE NAME: P:\State\i90\10710832\Cad\eplans\010101\_ti.dgn

POWER POLE

TELEPHONE POLE

PLOT DATE: 29-0CT-2013 12:51

PLOT BY : dotwow

PLOT NAME :

PLOT SCALE: 2000.000000:1.000000

WISDOT/CADDS SHEET 10

2

UTILITY CONTACTS

Steve Blado CenturyLink 333 N Front St P.O. Box 4800 La Crosse, WI54602 (608) 796-5543 steve.blado@centurytel.com Communication Line

Randy Turtenwald City of La Crosse 400 La Crosse St La Crosse, WI54601 (608) 789-7505 turtenwaldr@cityoflacrosse.org Sewer and Water

Jim Prindle City of Onalaska 415 Main St Onalaska, WI 54650 (608) 780-8345 jprindle@cityofonalaska.com Sewer and Water

Nancy Dotson XcelEnergy 1414 W Hamilton Ave P.O.Box 8 Eau Claire, WI54702-0008 (715) 737-2574 nancy.j.dotson@xcelenergy.com Electric Transmission, Electric Distribution, Gas

Jim Carlson Northern Natural Gas Company 8101 Birchwood Ct Ste F Johnston, IA 50131 (515) 360-9242 Jim.Carlson@nngco.com Gas/Petroleum Brandon Storm Charter Communications 2701 Daniels St. Madison, WI53718 (608) 444-9493 brandon.storm@chartercom.com Communication Line

Dan McDonald City of Onalaska 415 Main St Onalaska, WI54650 (608) 781-9507 dmcdonald@cityofonalaska.com Road Facility, Street Lighting

Kurt Childs Dairyland Power Cooperative 3200 East Ave S P.O.Box 817 La Crosse, WI54602 (608) 788-4000 kdc@dairynet.com Electricity

Jim Kostuch Windstream KDL, Inc. 13935 Bishops Drive Brookfield, WI53005 (262) 792-7938 James.Kostuch@windstream.com Communication Line

DESIGN CONTACTS

REINY YAHNKE

PHONE: (608)785-9050

E-MAIL: reiny.yahnke@dot.wi.gov

DNR CONTACT

KAREN KALVELAGE PHONE: (608)785-9115 FAX: (608)785-9990

E-MAIL: karen.kalvelage@wi.gov



### STANDARD ABBREVIATIONS

A.D.T.		AVERAGE DAILY TRAFFIC	LT.		LEFT
AGG.	-		M.P.	-	
AH	-		N.	-	
<		ANGLE	N.C.	-	1752777
ASPH.		ASPHALTIC	NO.	-	NUMBER
B.F.	-		PAV'T	=	
В.М.			P.C.	=	
BEG.			P.I.	-	
BK			P.I.		
C. C.L.			P.L. P.L.E.		
Δ			P.T.		
С.М.Р.	-		P.T. P.E.	=	
C.M.C.P.			Ř.		
CO.			R/L		
C.P.			ΝΈ.		
CR		CRUSHED	RD.	-	
CR.				-	
C. & G.	-		NEO D		
C. & G.	- :		REO'D R.H.F. R/W	-	
C.Y.			RT.	-	
C.T.			κι. S.	-	· <del>-</del> -
			s. s.f.		
D. DIA.	:	525.122 C. CO2		-	000
		DIAME LEN	S.D.D.	-	
DISCH.	-	D100:	SHLDR. SHR.	•	
Ď₩Y.	-	DILL VEHA.	SHK.	-	52.
E <u>.</u> .	-	L-13.	S/L	=	30
EA.	-	2	STH	-	
ELEC.	-		SŢA.	•	
EL. OR ELEV.	-	22213.10.1	т_	•	
EXC.	-		_ Ţ.	=	TRUCKS (PERCENT OF)
FERT	•		T.C.	•	10. 0. 00.0
F.E.			_TEMP.	-	
F.L. OR F/L	-		T.L.E.	•	· Lam Orianti Limitied Lagrantin
F.P.	-	. 1225 . 00.	-T-,TEL.	-	
INL.	-		v.c.	-	7220.12 GG2
INTERS.	-	INTERSECTION	UNCL.	-	
JT.	-	002.11	UNCL. USGS U.G.	•	CHILL STATES SESECTIONE SCHOOL
L.	=		U.G.	-	CHDENGING ICADEL!
L.B.	-	. 00.15	₩.	•	WEST
L.C.	-	LONG CHORD OF CURVE			

#### GENERAL NOTES

PROJECT NO:1071-08-62 HWY: H 90 COUNTY: LA CROSSE GENERAL NOTES SHEET I

CNEDAL NOT

<sup>-</sup>ADD TYPE III BARRICADES, LIGHTS, CONES, DRUMS AND SIGNS FOR T.C. AT THE ENGINEER'S REQUEST.

<sup>-</sup>ALL SAWCUT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

<sup>-</sup>ALL CLOSED LANES MUST BE SWEPT PRIOR TO BEING OPENED TO TRAFFIC.

<sup>-</sup>PAVEMENT REMOVAL SHALL BE TO THE NEAREST JOINT OR A SAWED EDGE WILL BE REQUIRED AS DIRECTED BY THE ENGINEER.

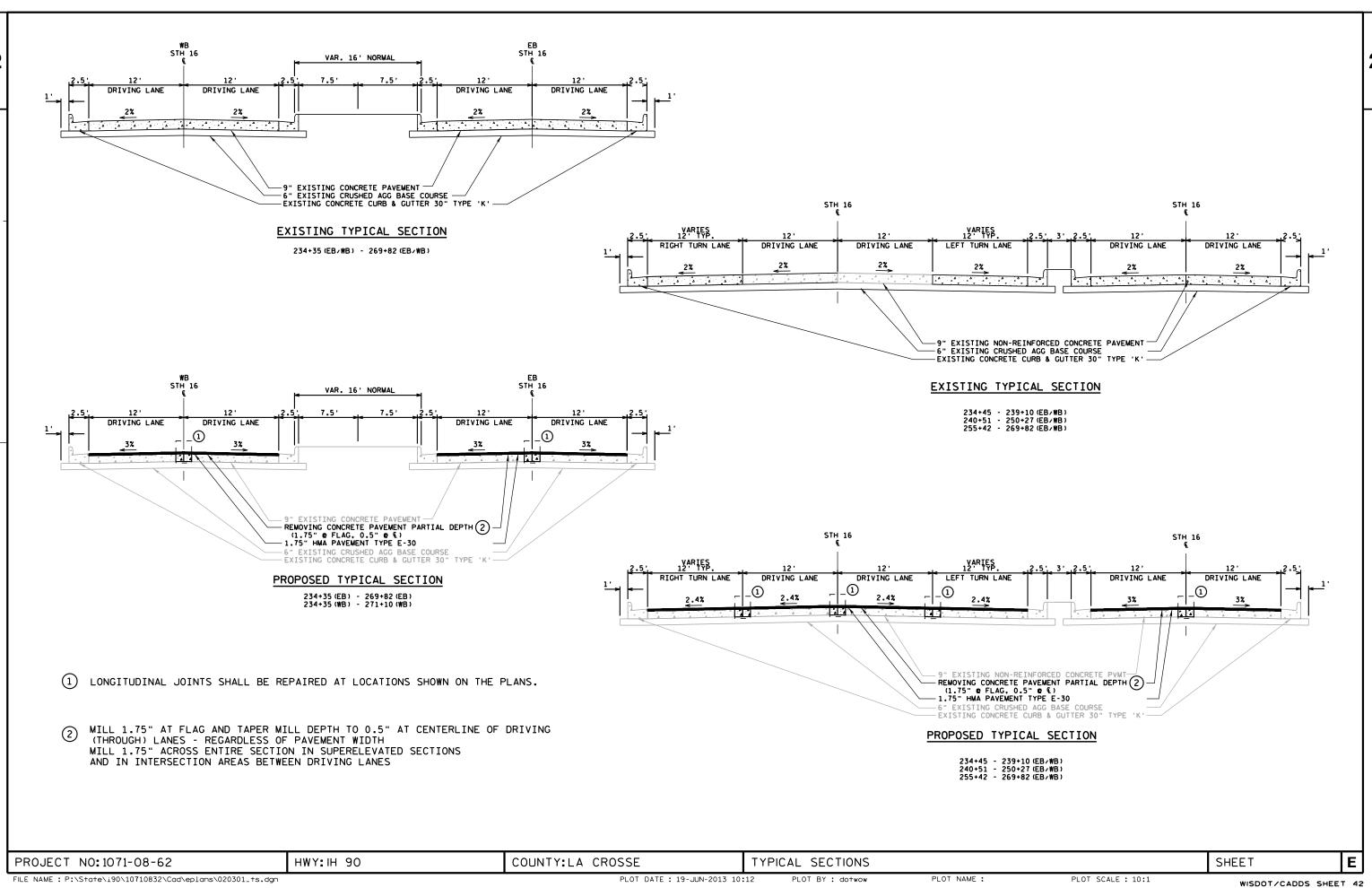
<sup>-</sup>THE RATE OF APPLICATION OF TACK COAT IS COMPUTED AT 0.05 GAL/SY

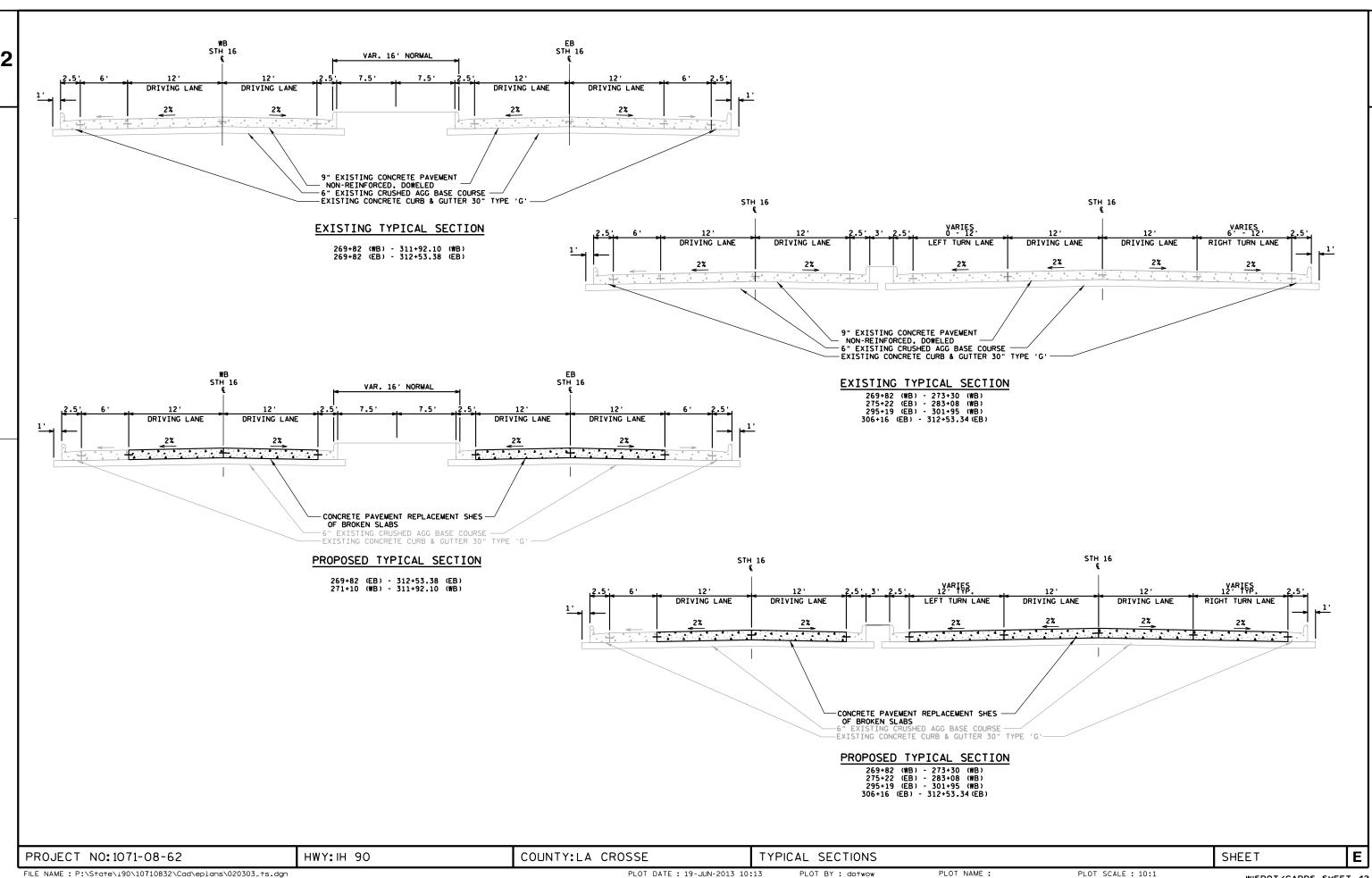
<sup>-</sup>ASPHALT WEIGHT CALCULATIONS ARE BASED ON 113 LB/SY/IN.

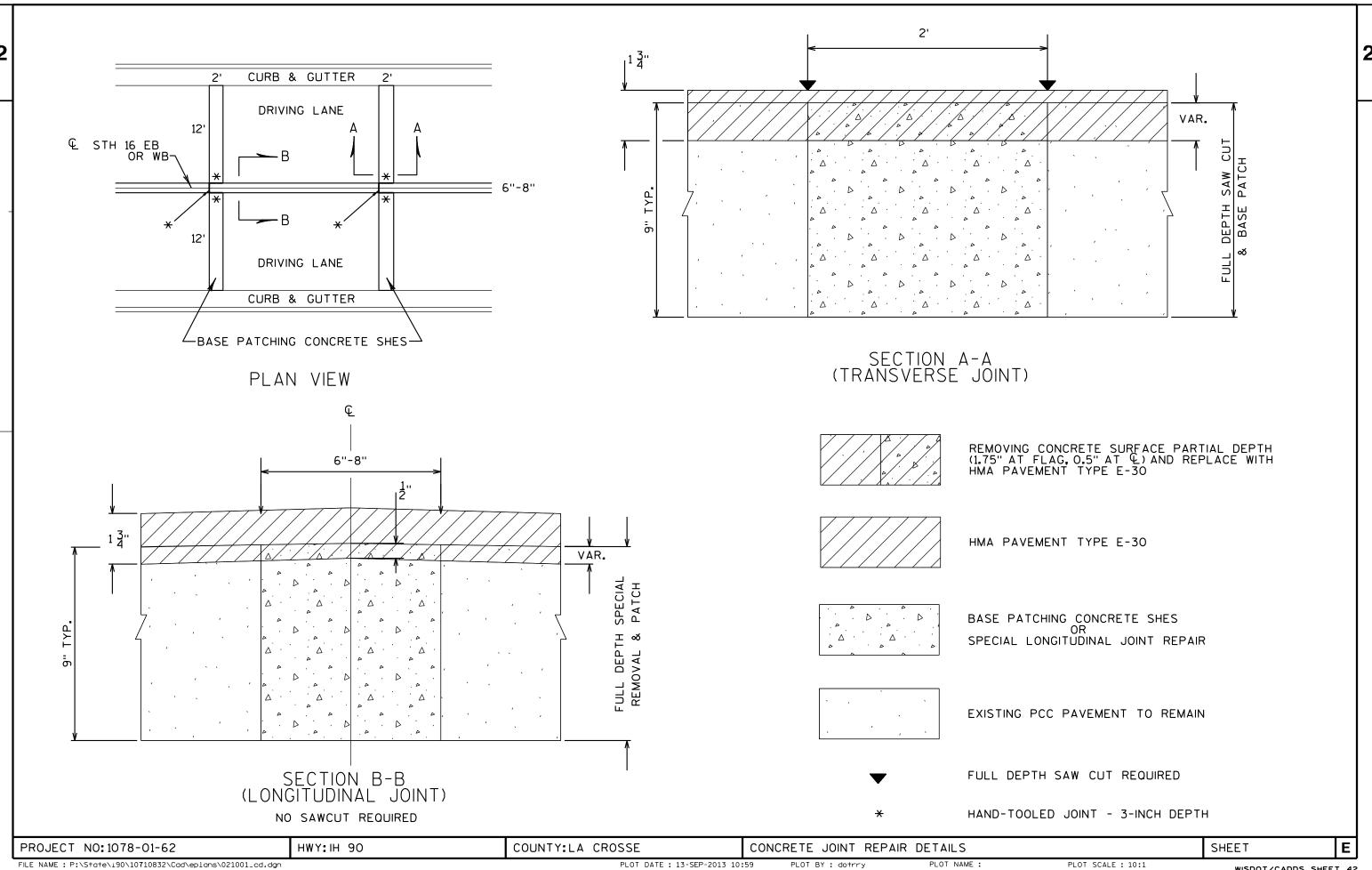
<sup>-</sup>THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGER'S HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGER'S HOTLINE.

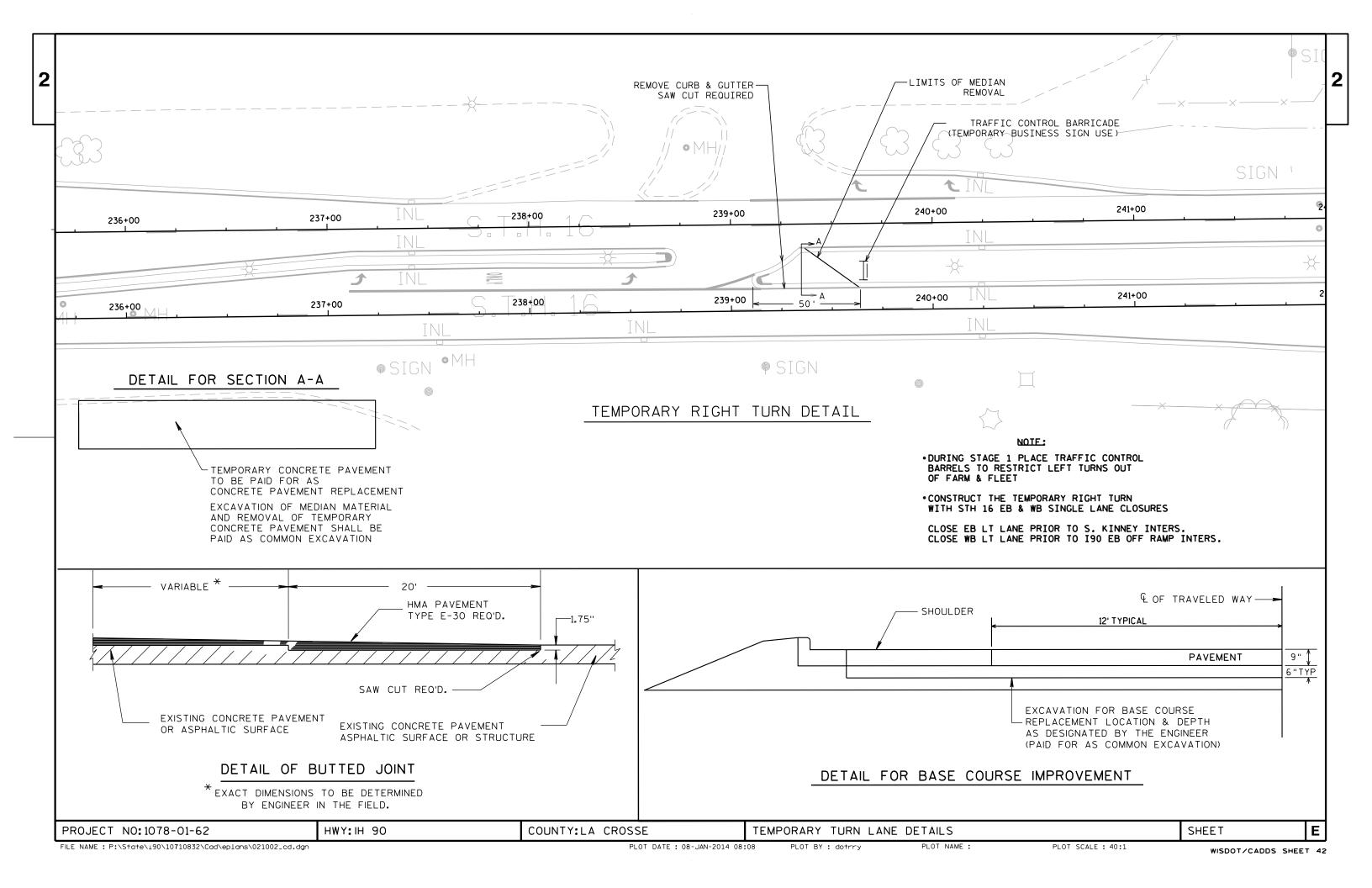
<sup>-</sup>THERE ARE ISLAND NOSES IN THE FIELD THAT ARE INCORRECTLY MARKED. DO NOT REMARK THESE ISLAND NOSES. MARK ONLY THOSE SHOWN IN THE PLAN.

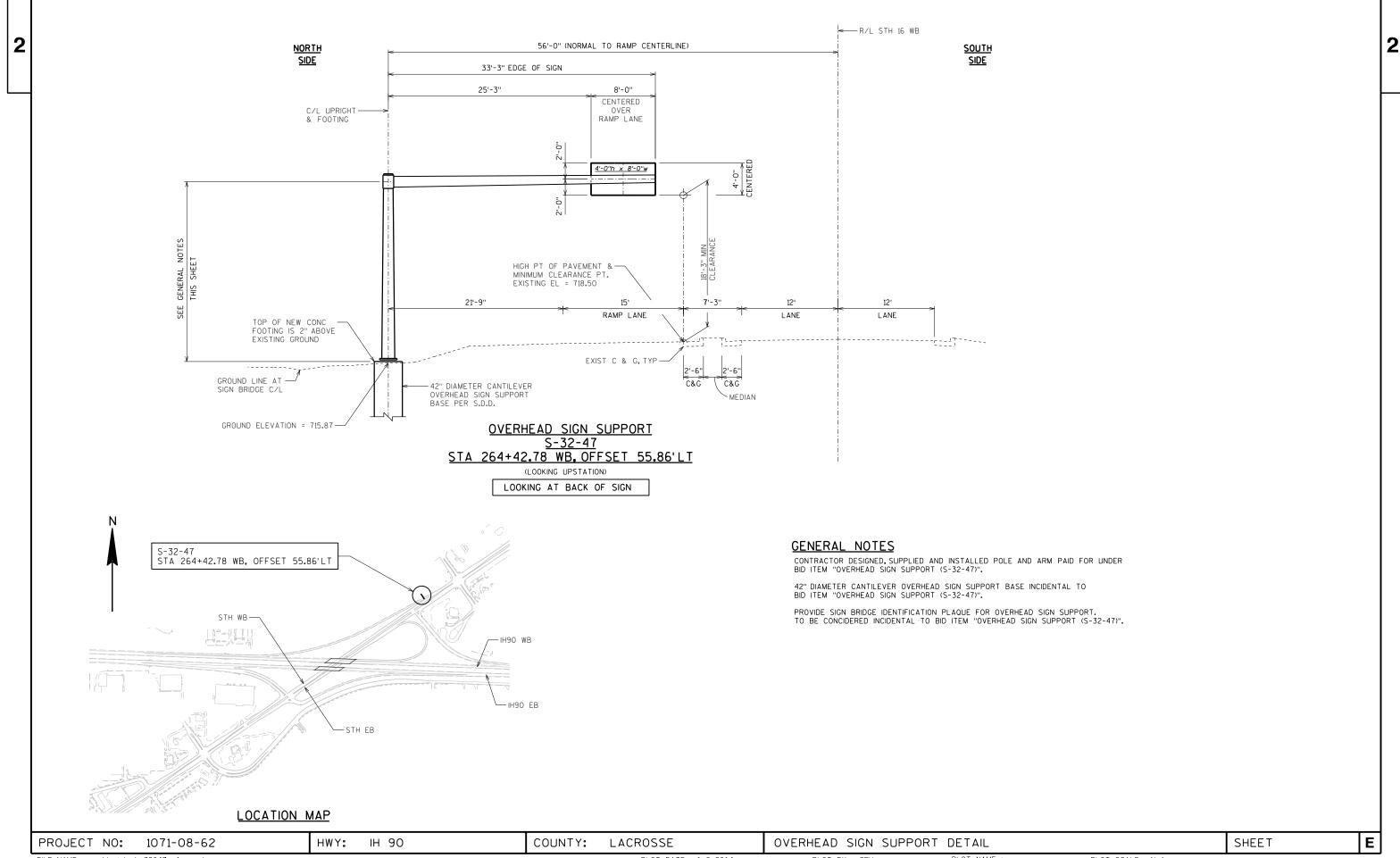
<sup>-</sup>TRAFFIC SIGNAL LOOP DETECTORS OUTSIDE THE INTERSECTIONS SHOULD BE AVOIDED WHEN POSSIBLE. LOOPS AT THE INTERSECTIONS WILL NO LONGER BE USED.











FILE NAME:...\bridge\s32047gp1new.dgn

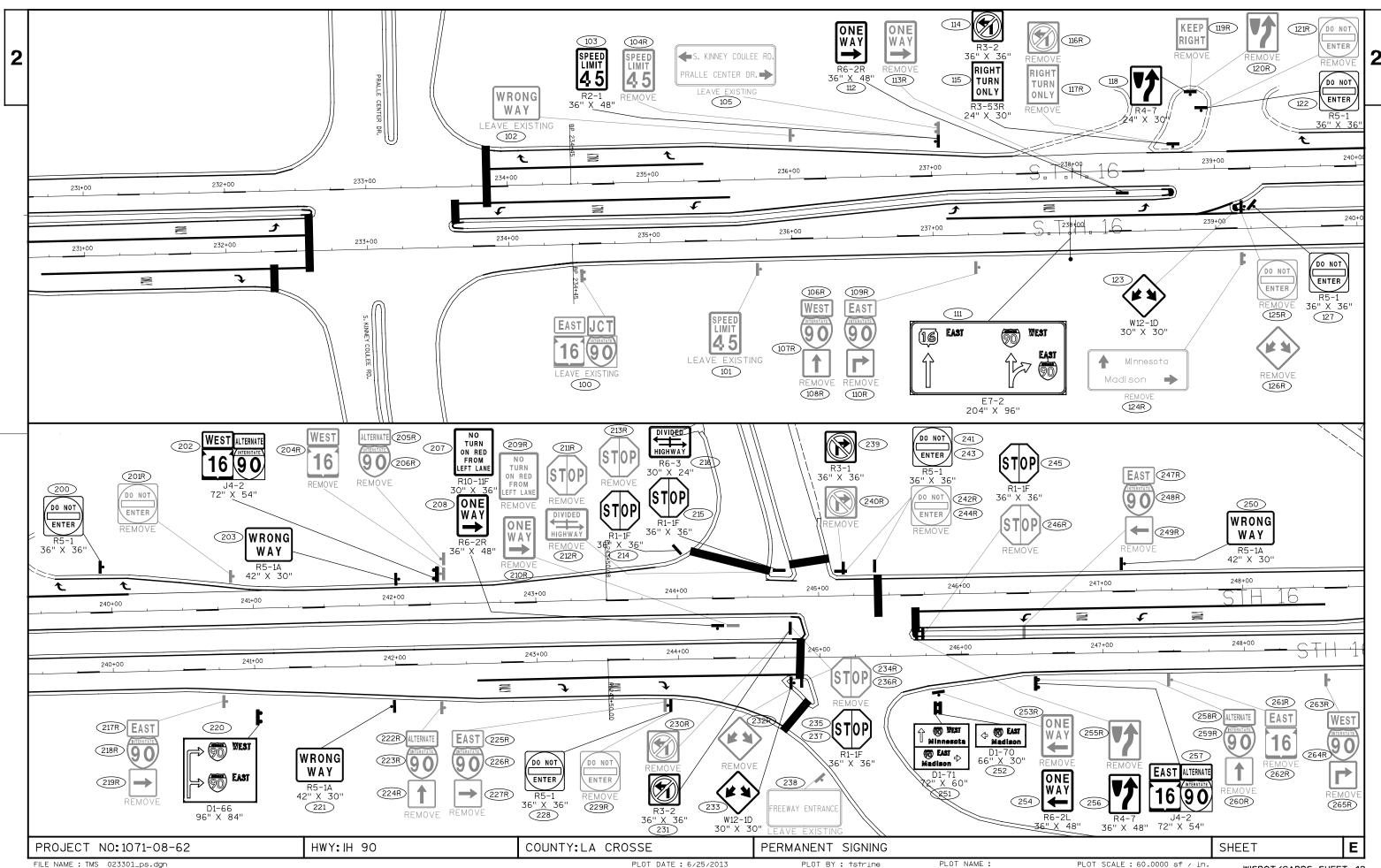
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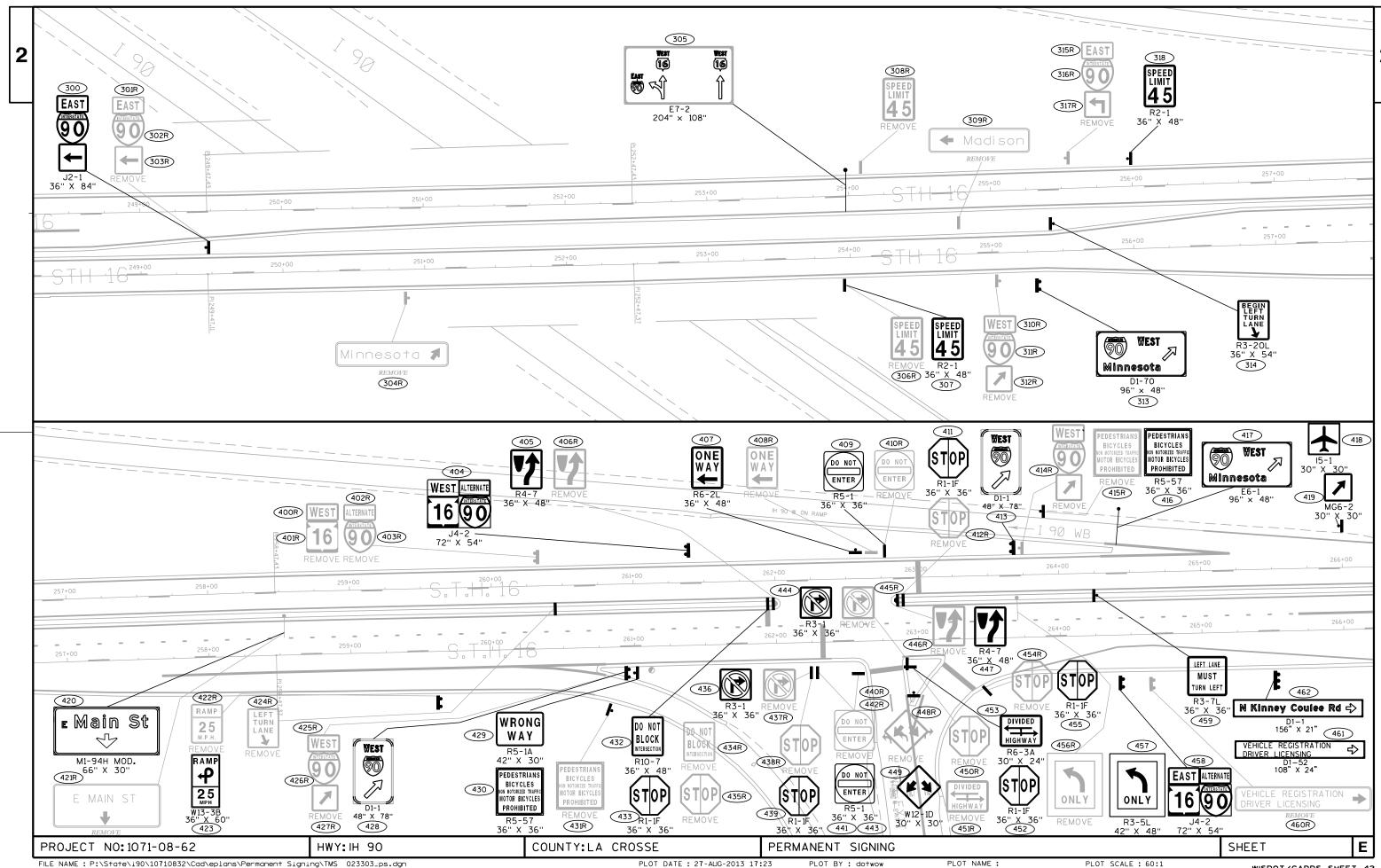
PLOT BY: SEH

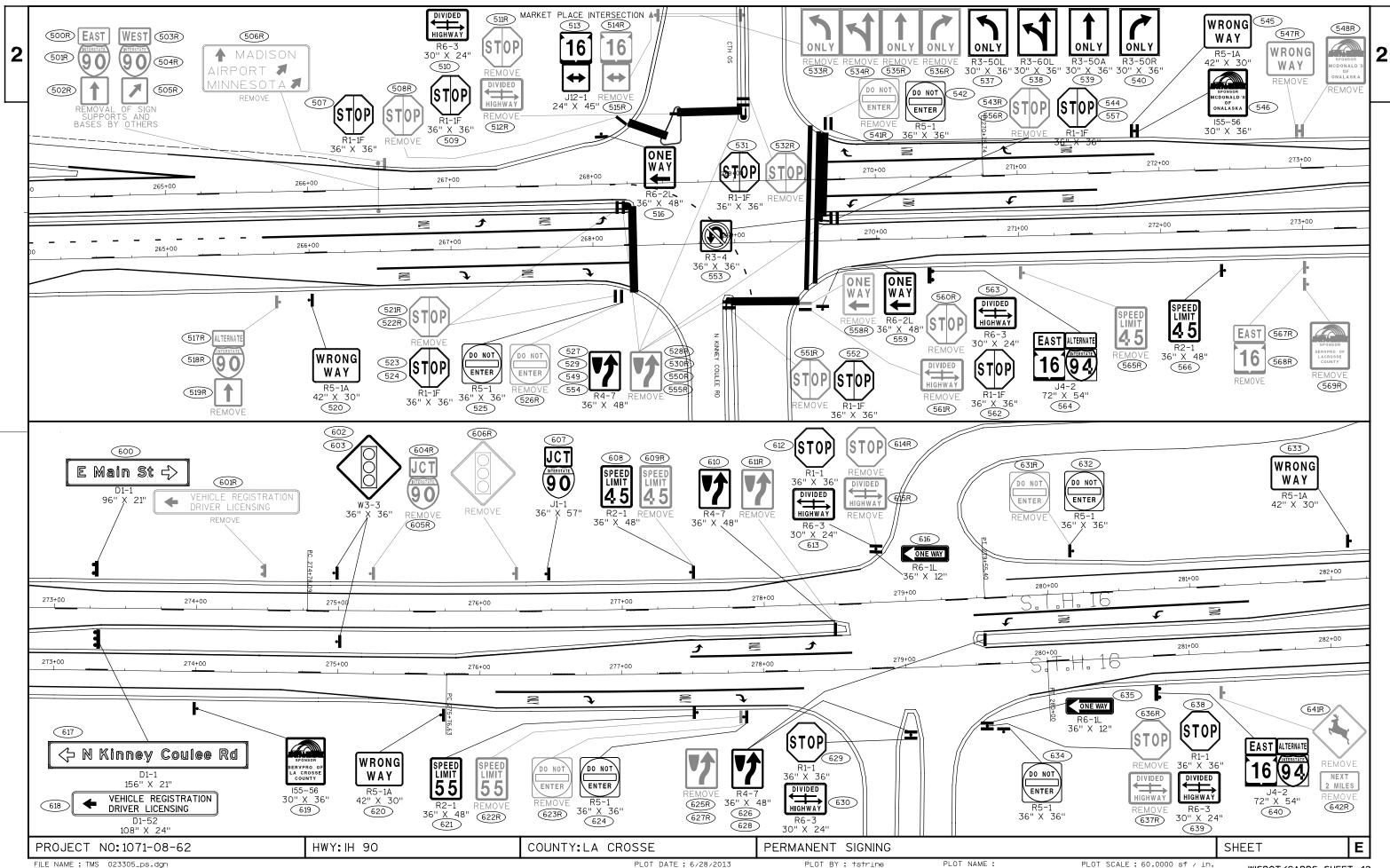
PLOT NAME:

PLOT SCALE: N/A

WISDOT/CADDS SHEET 44

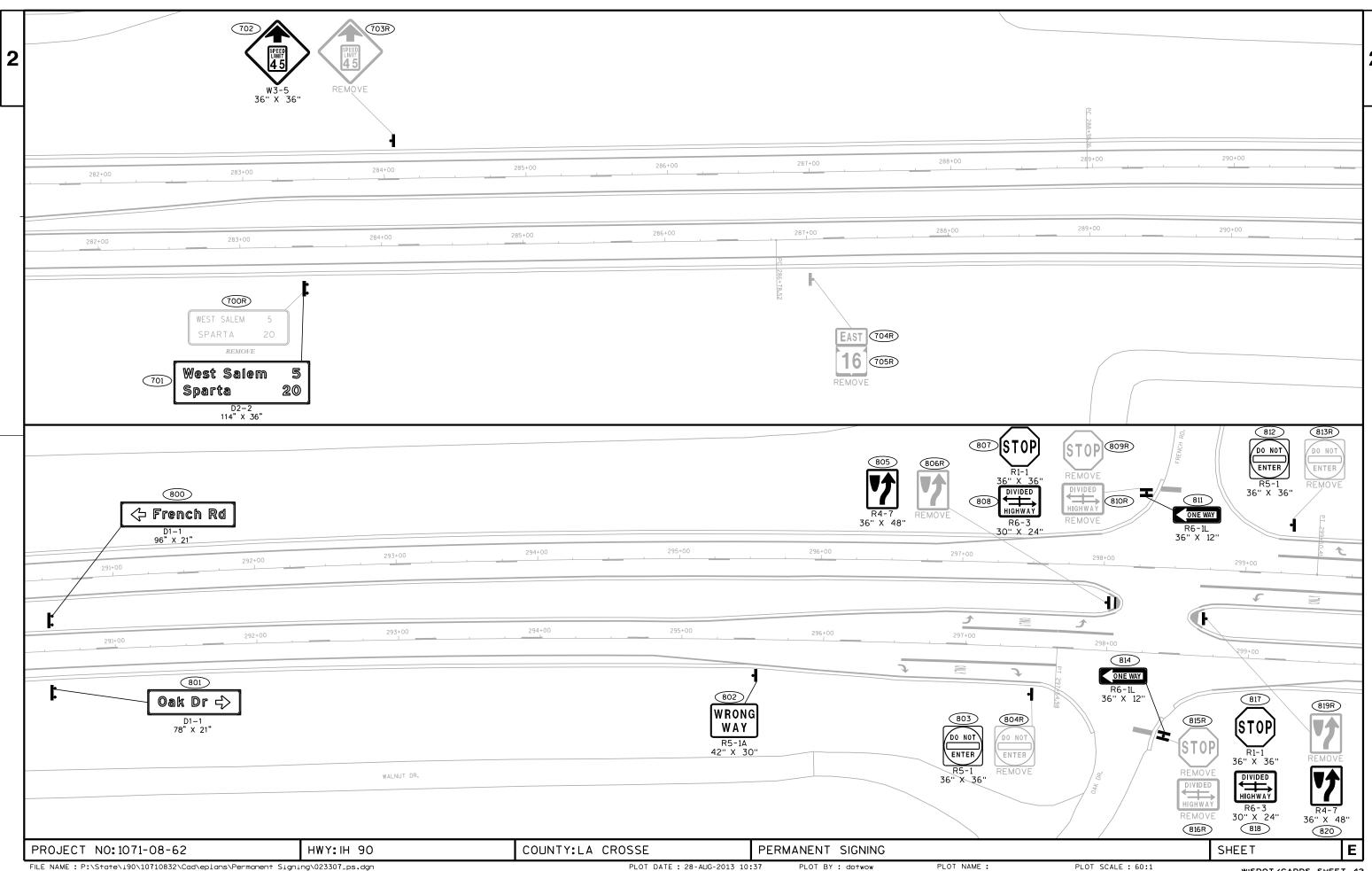


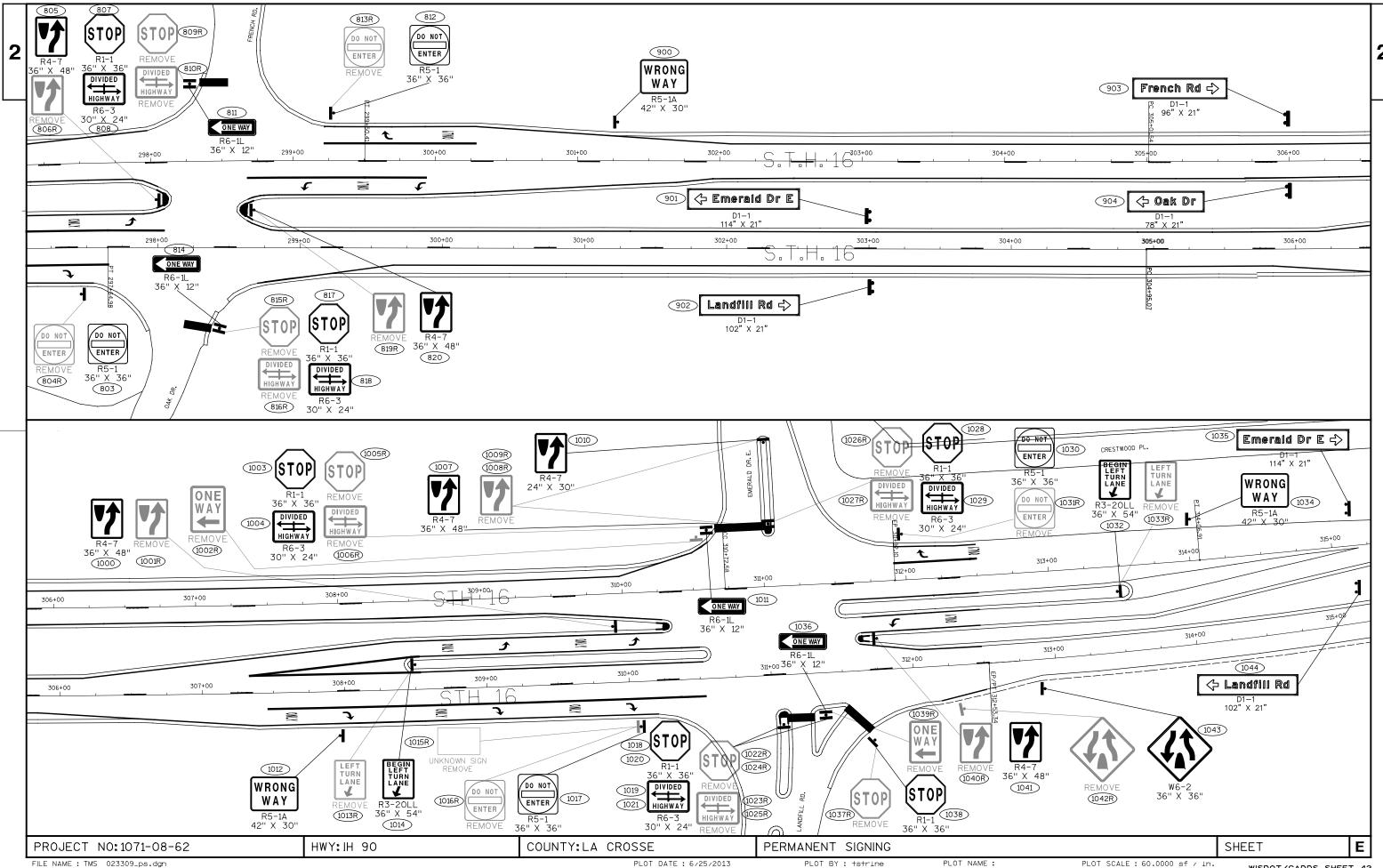




PLOT BY: tstrine PLOT NAME : PLOT SCALE: 60.0000 sf / in.

WISDOT/CADDS SHEET 42



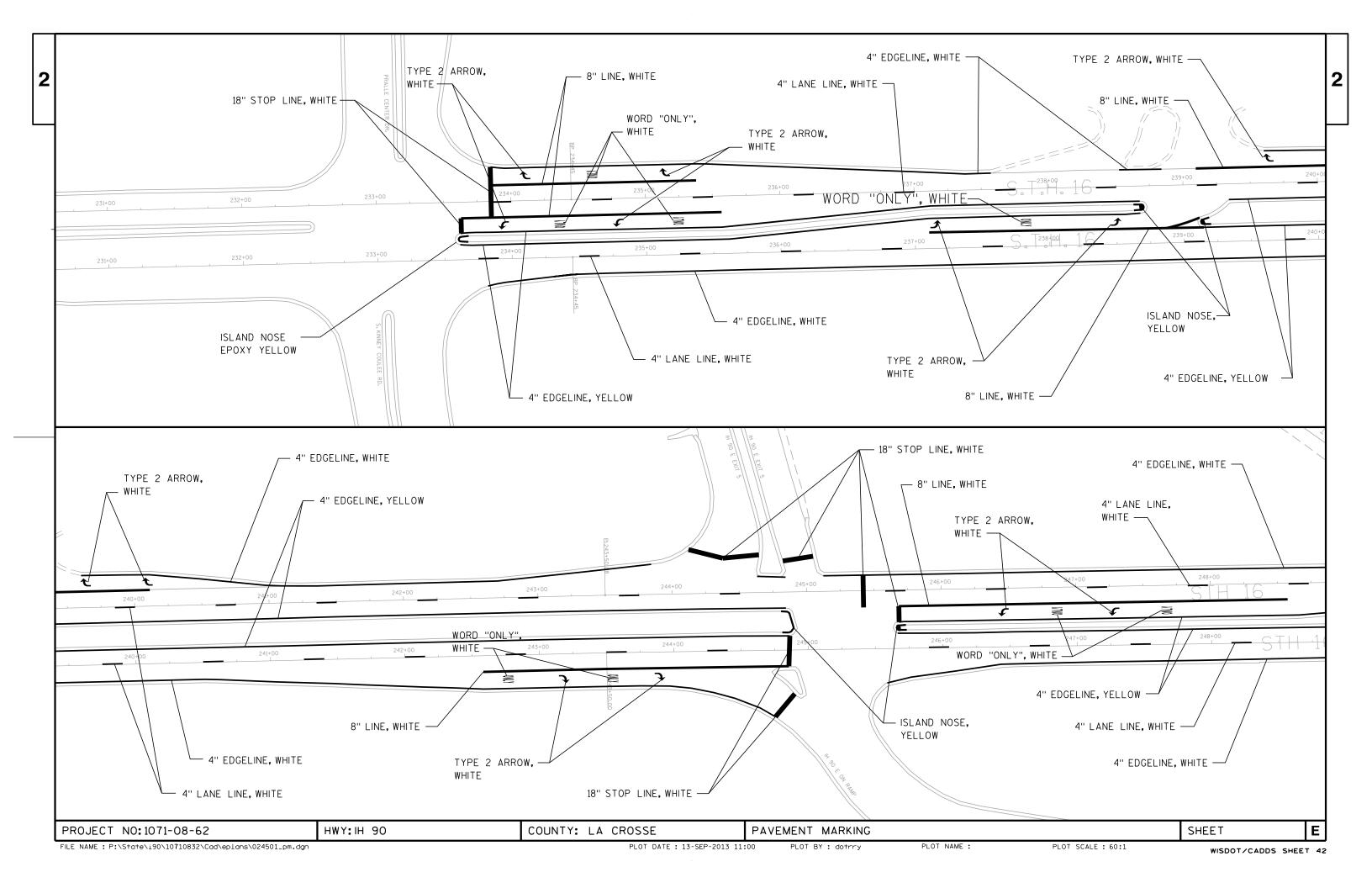


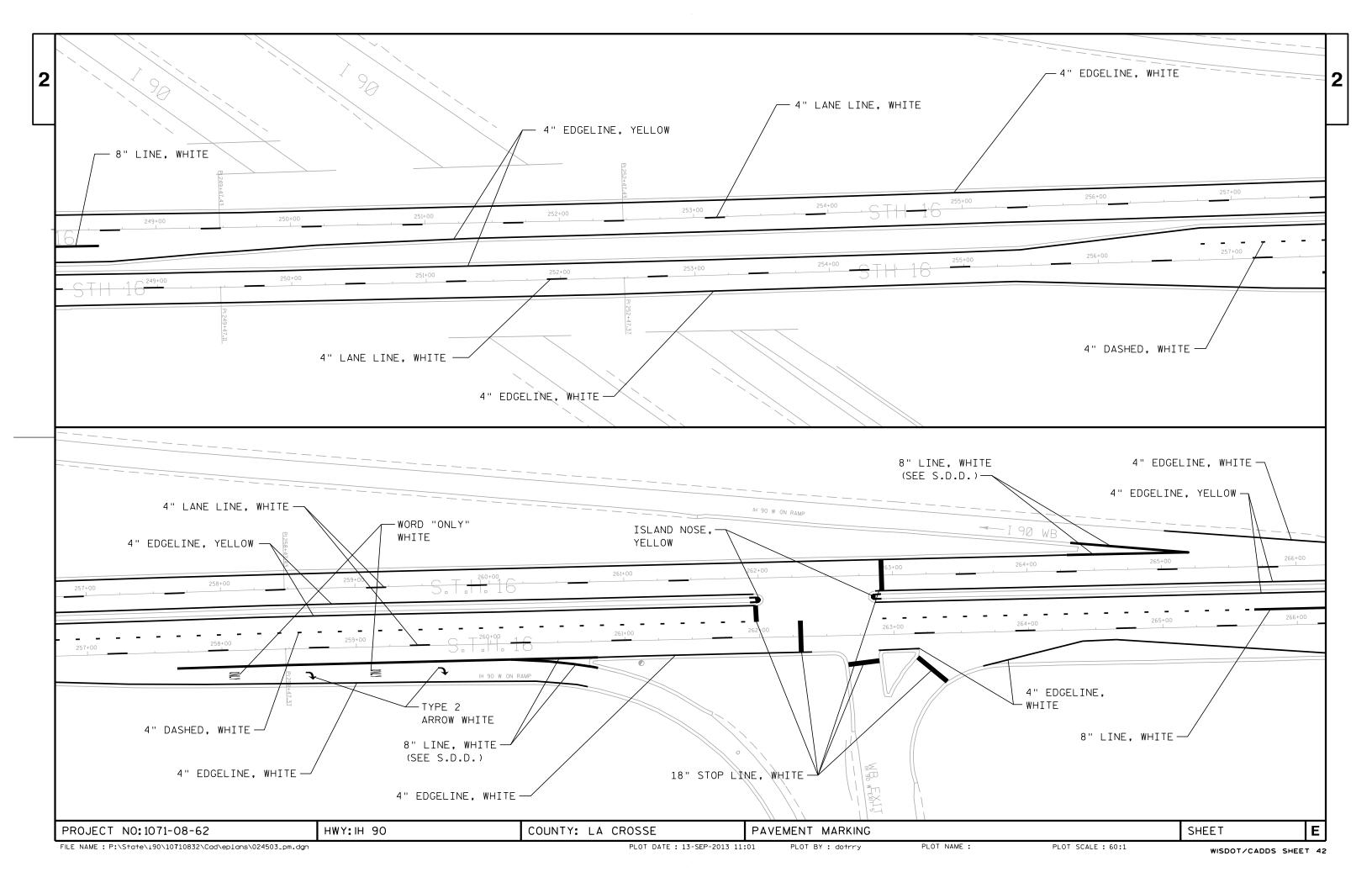
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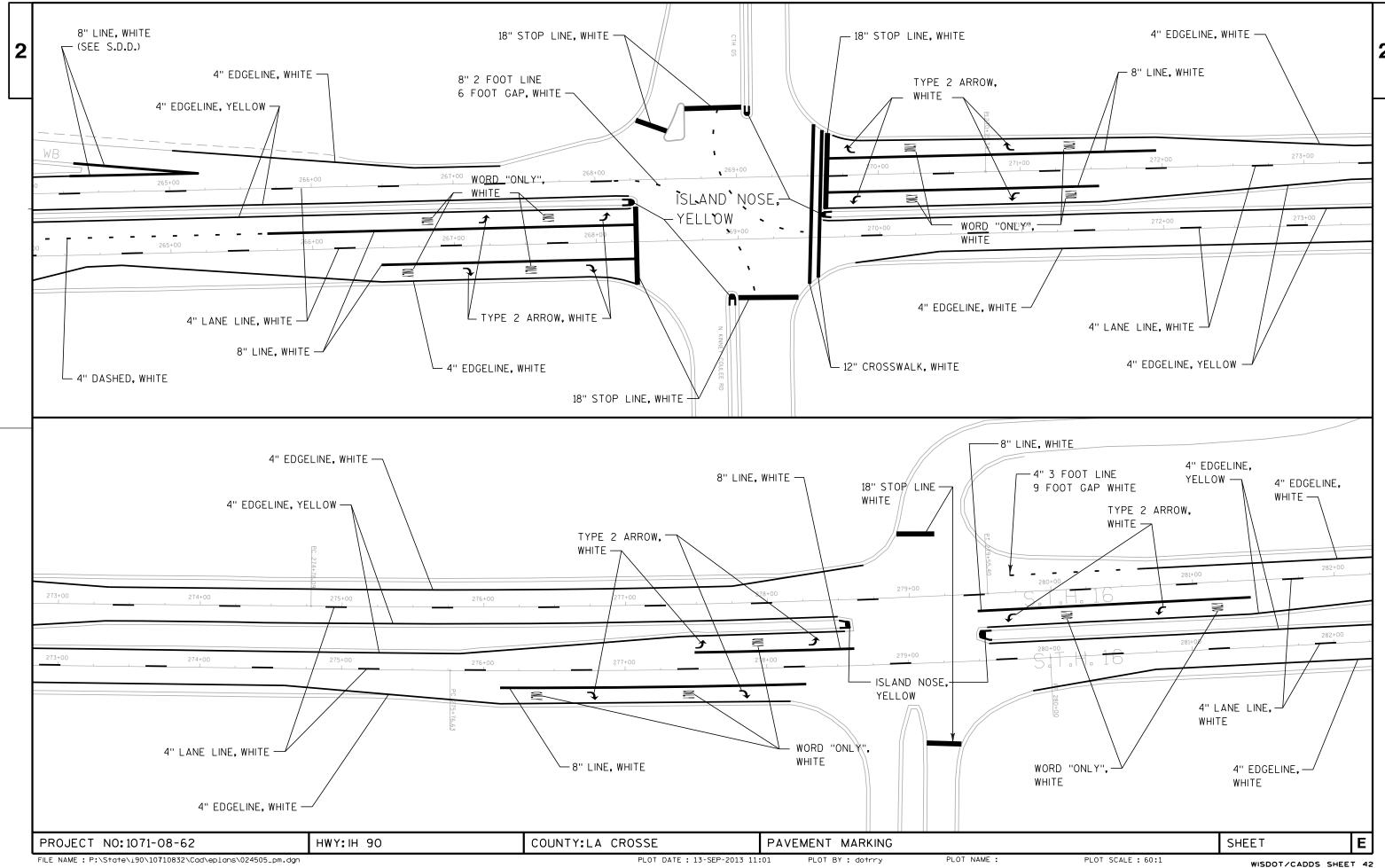
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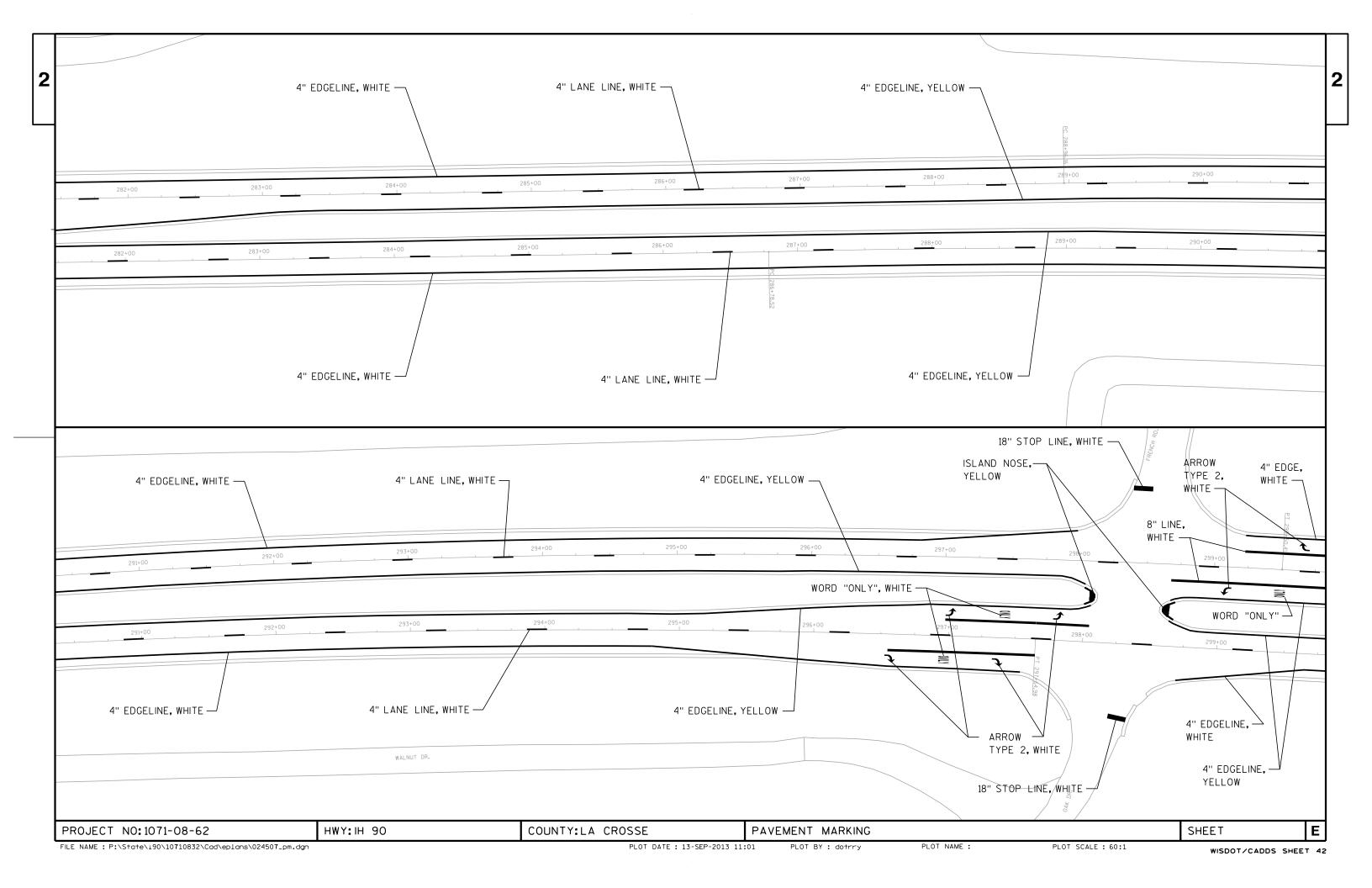
PLOT SCALE: 60.0000 sf / in.

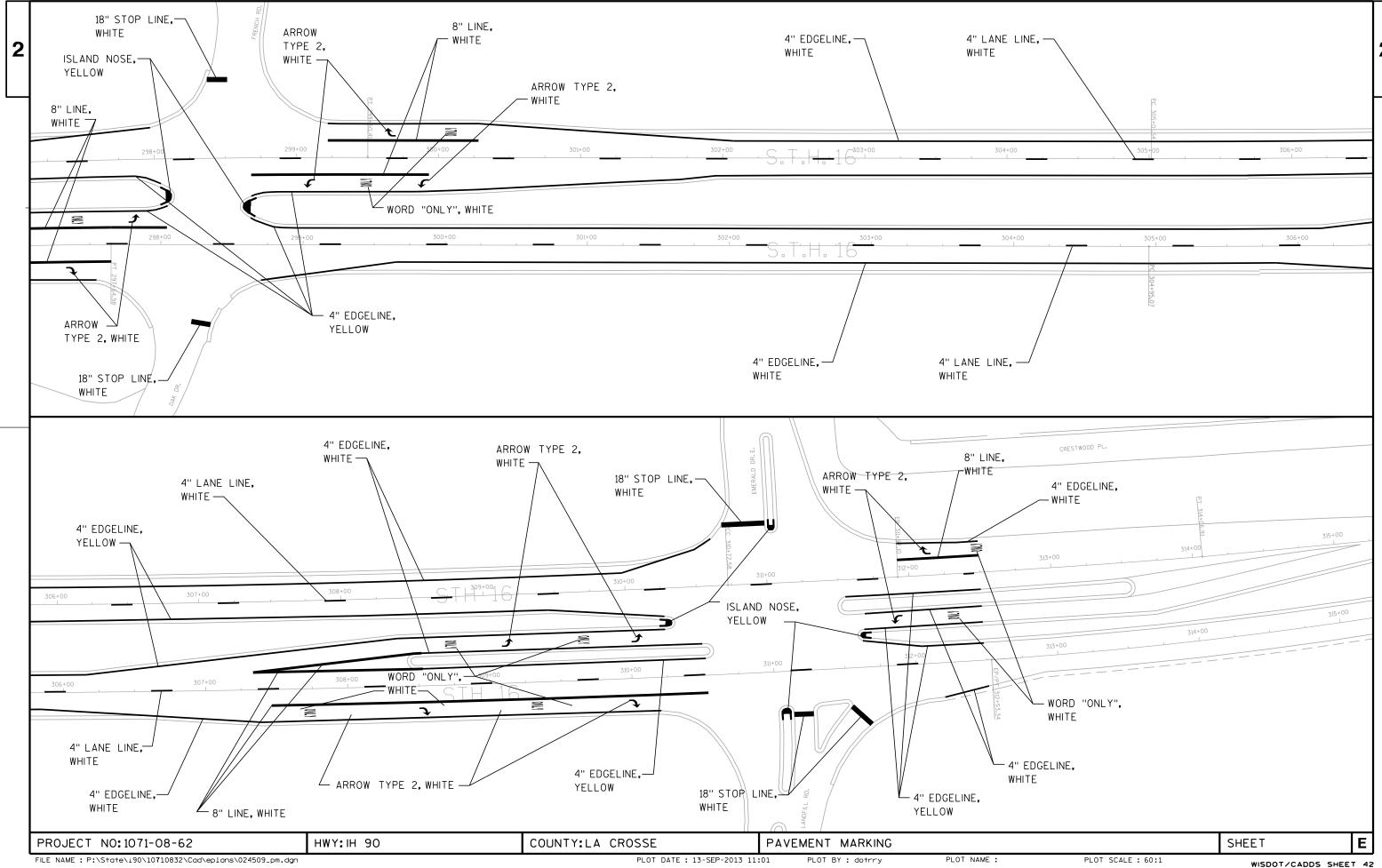
WISDOT/CADDS SHEET 42

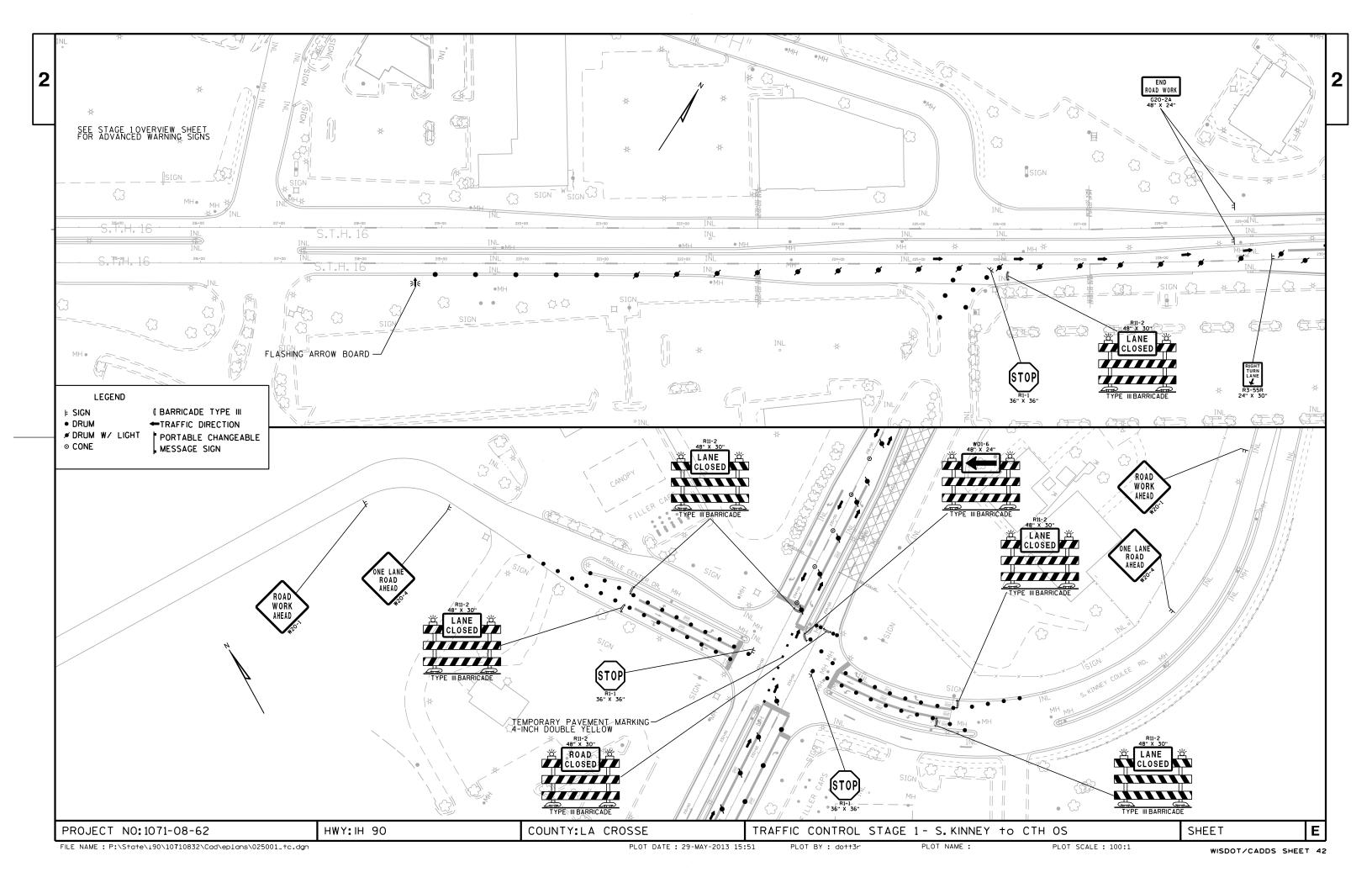


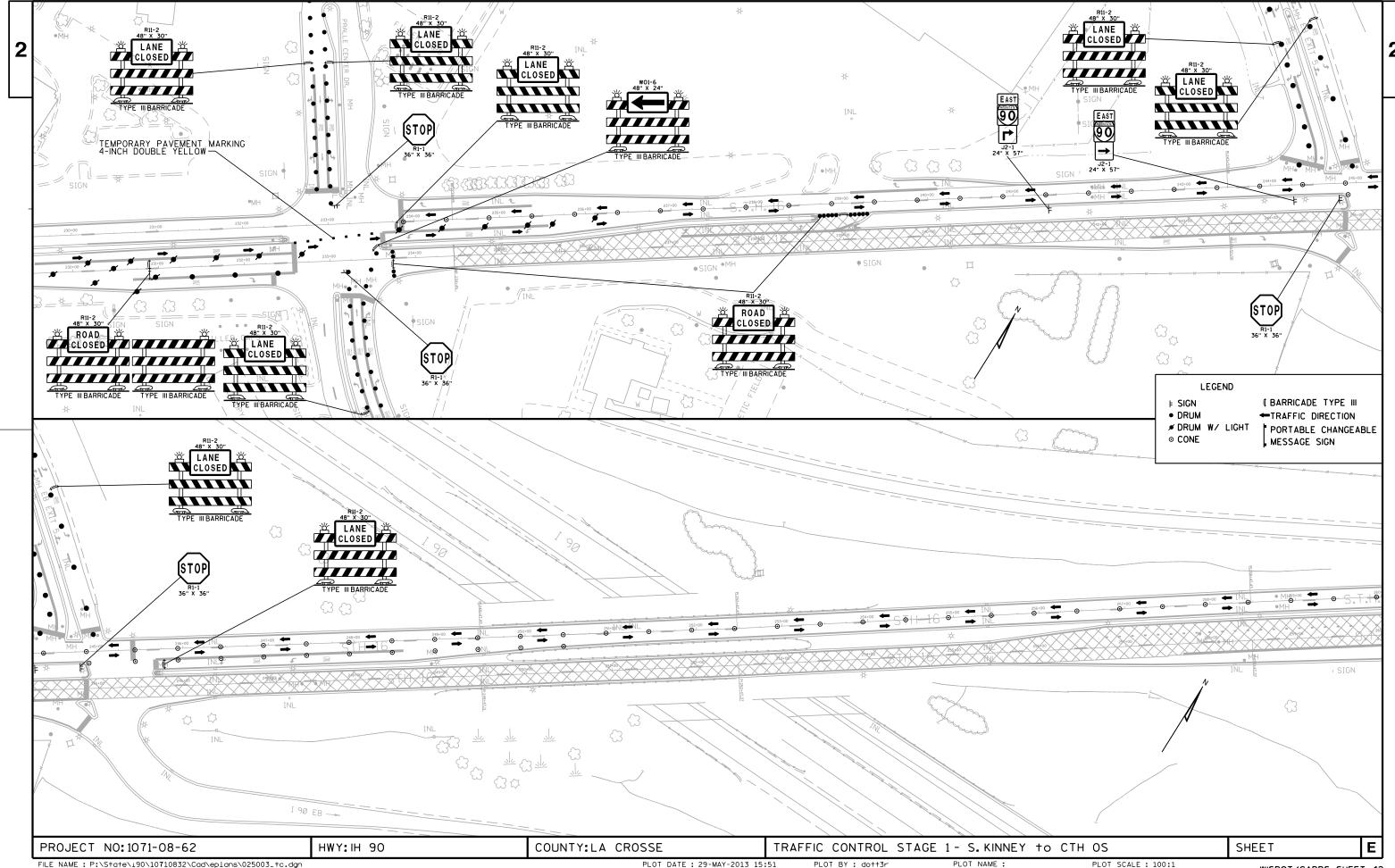


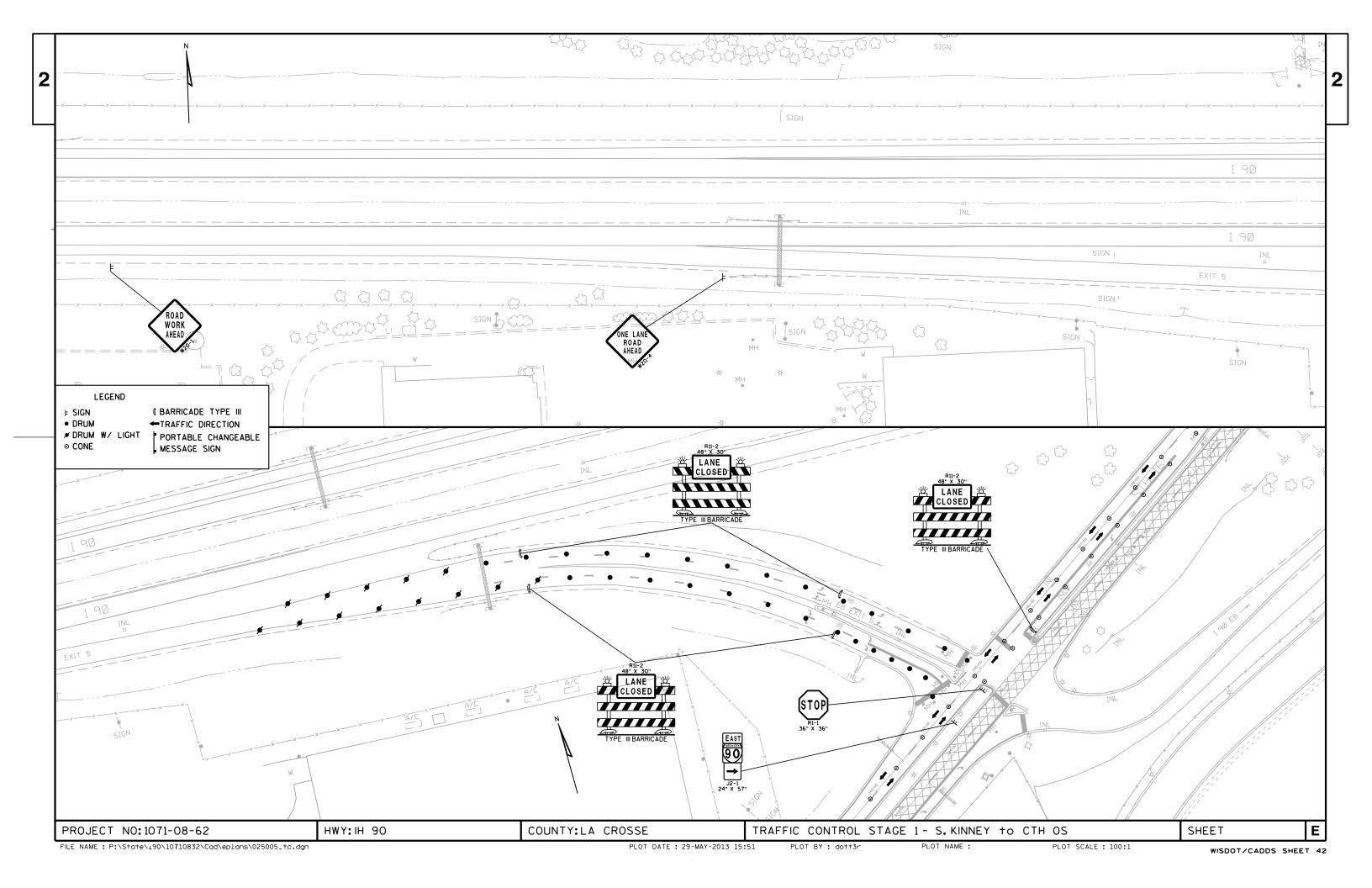


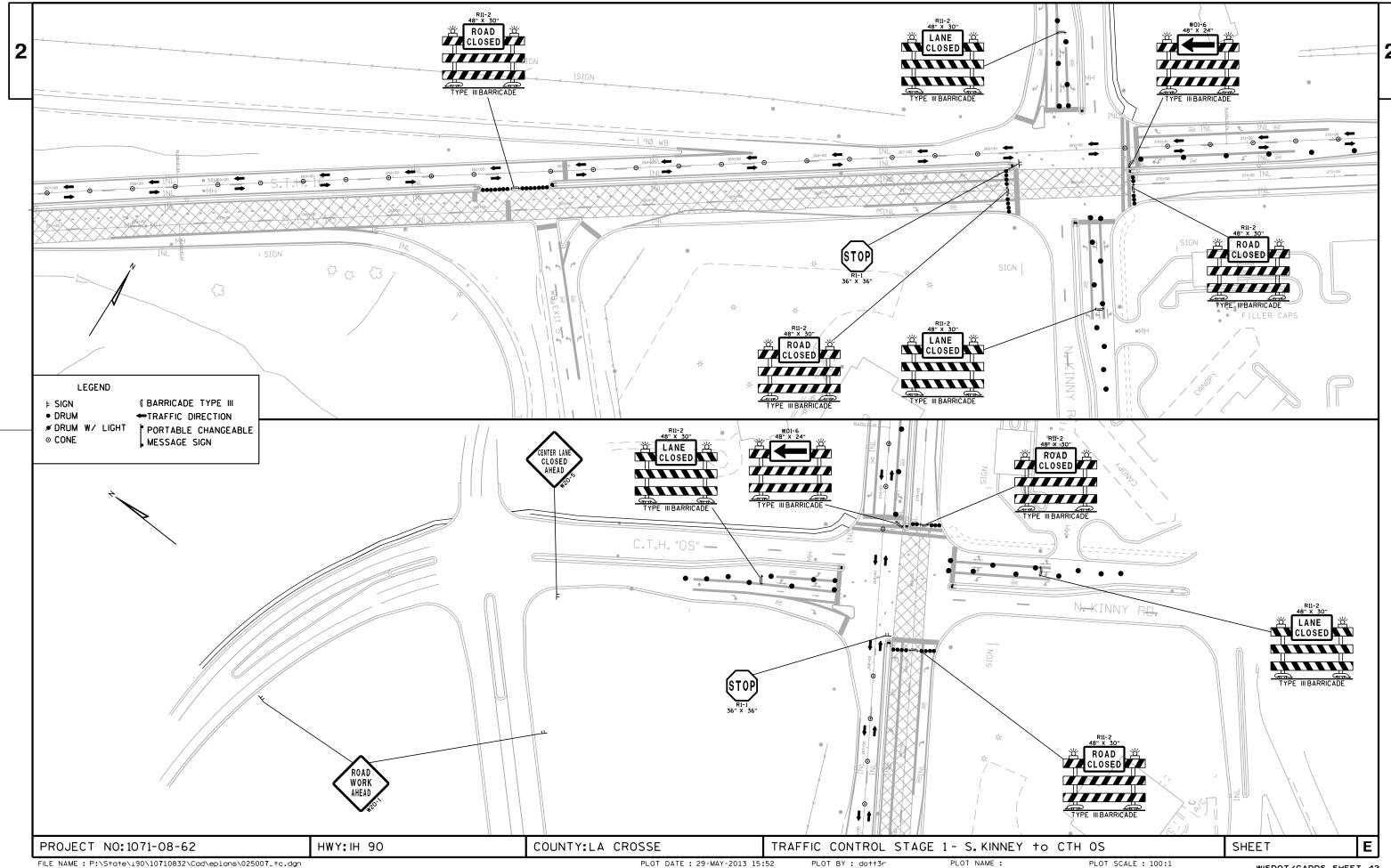


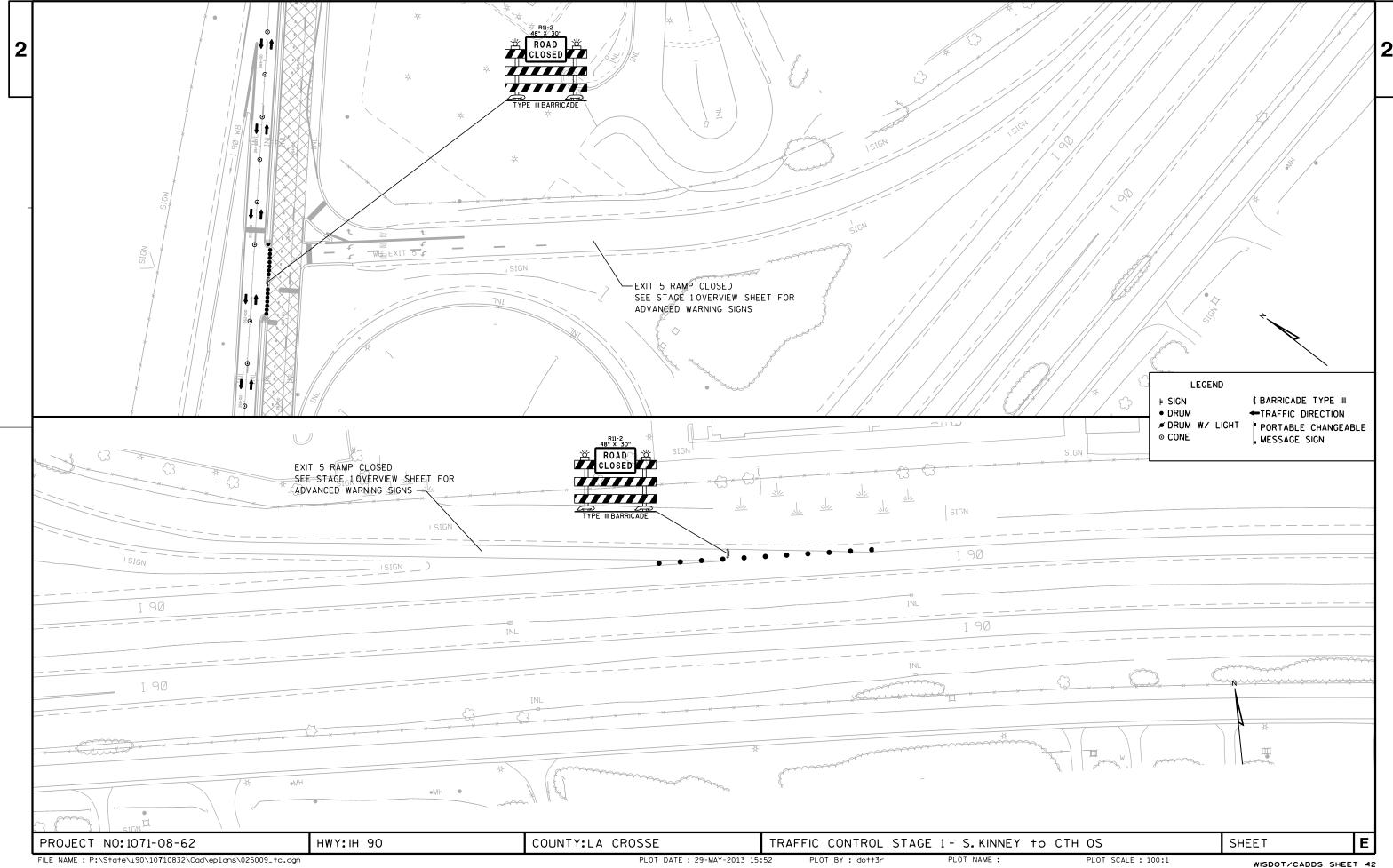


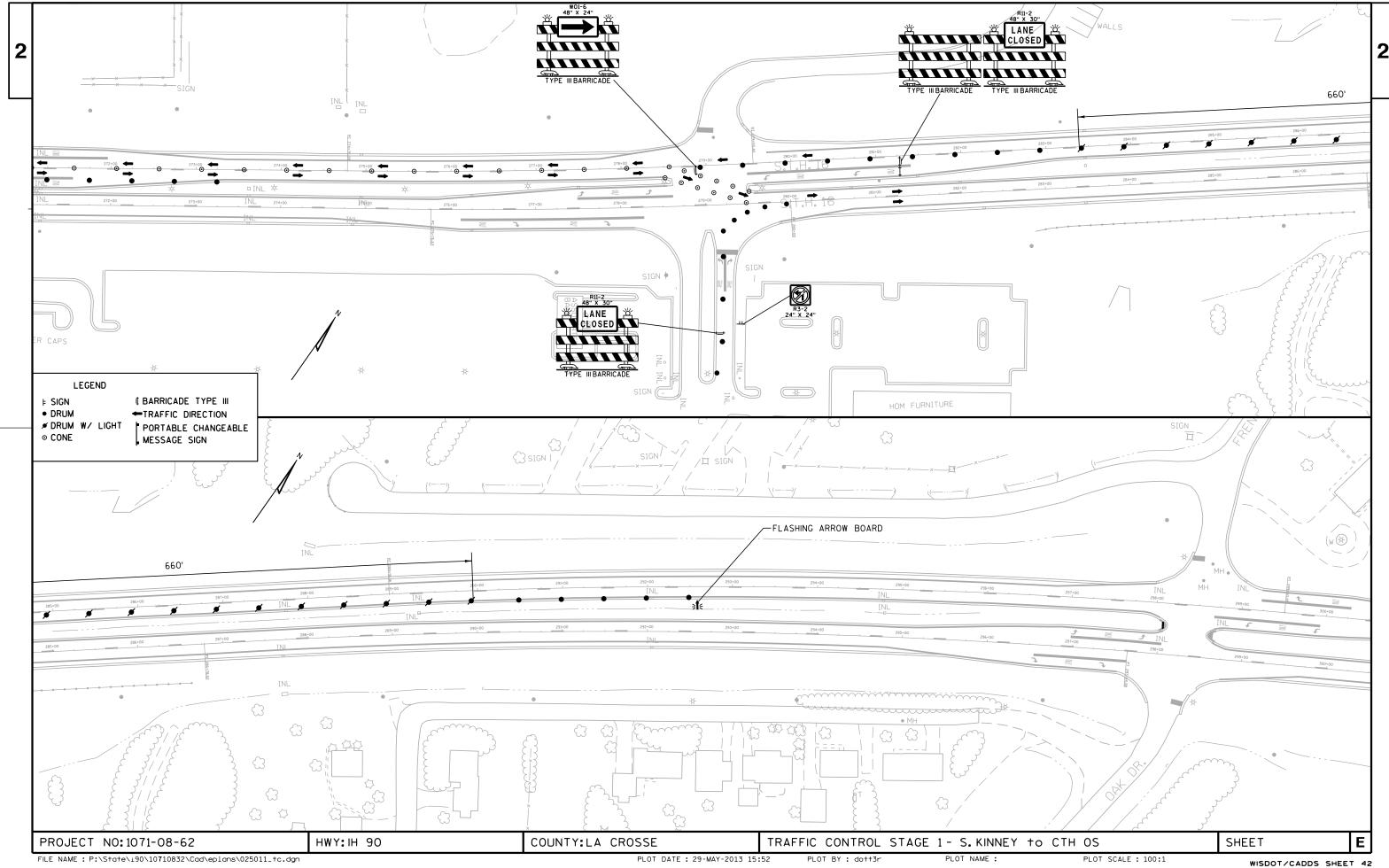


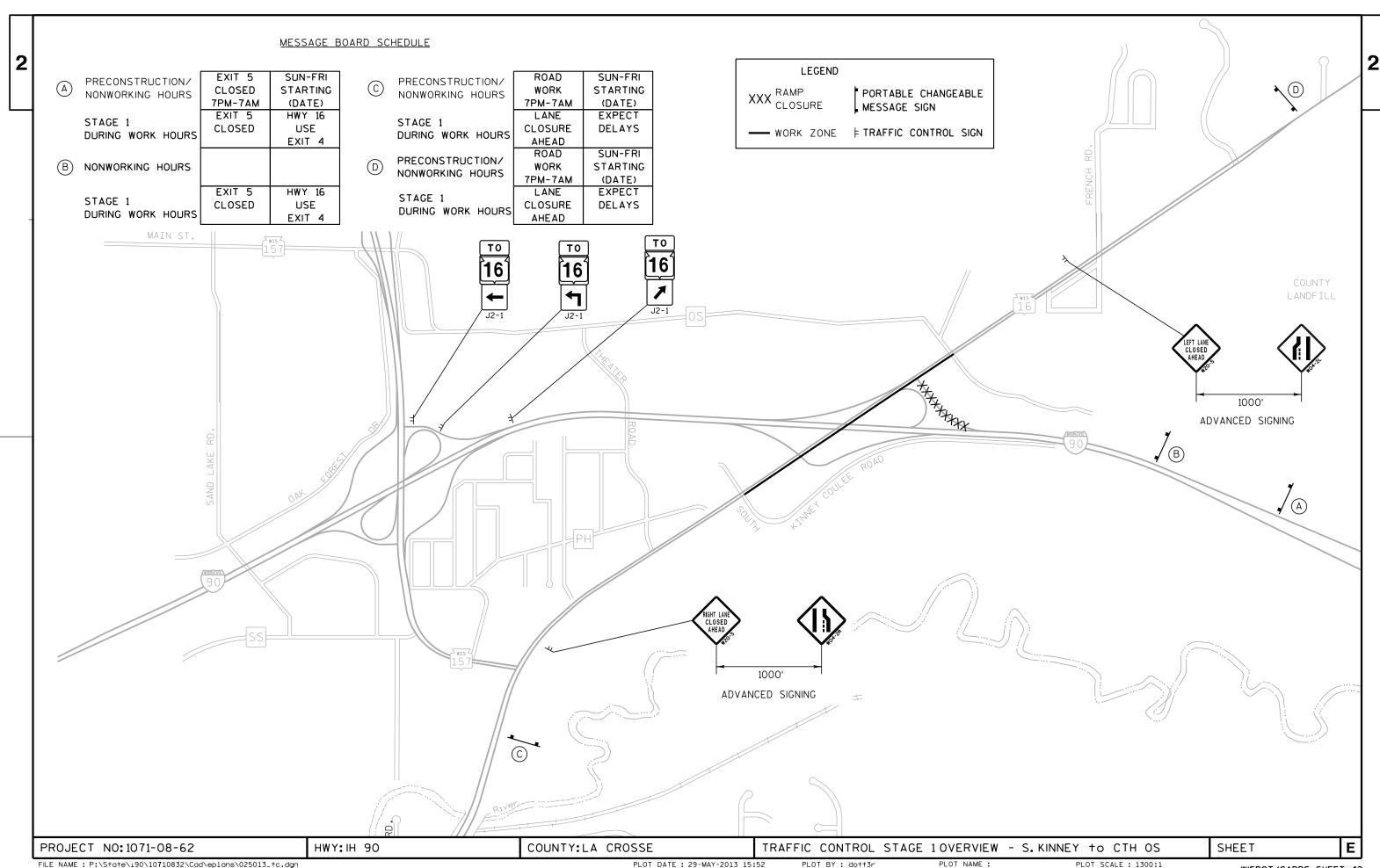


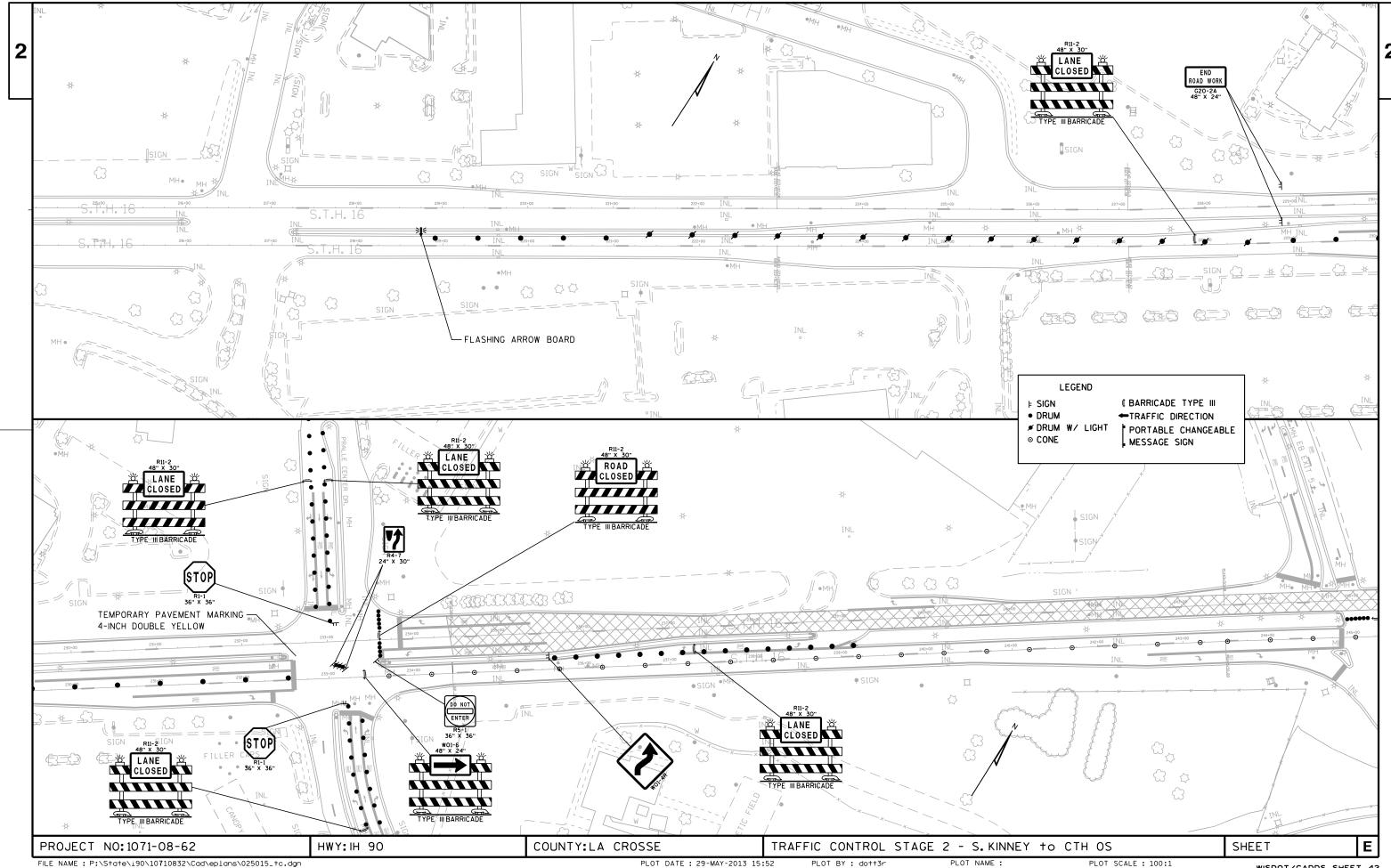


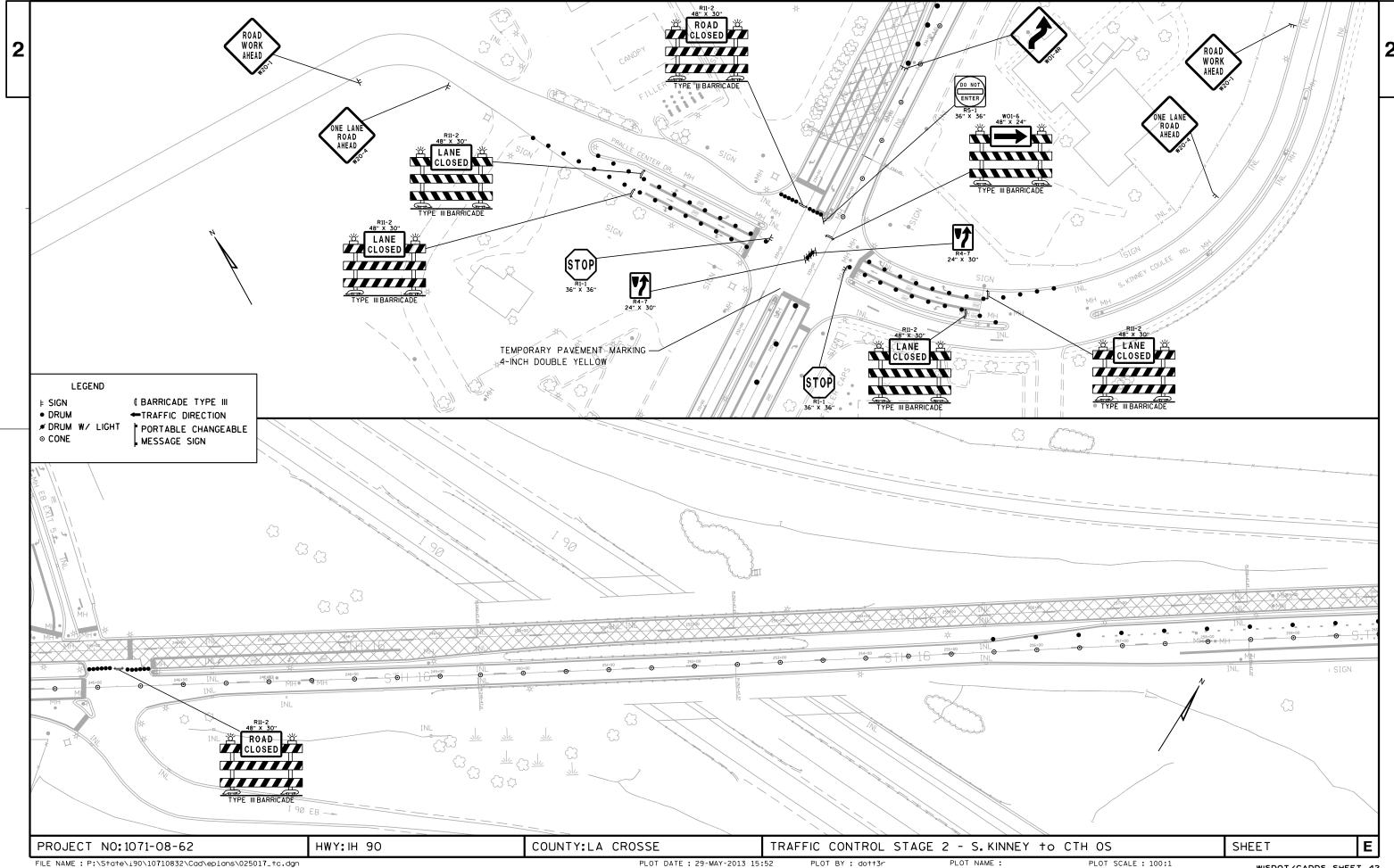


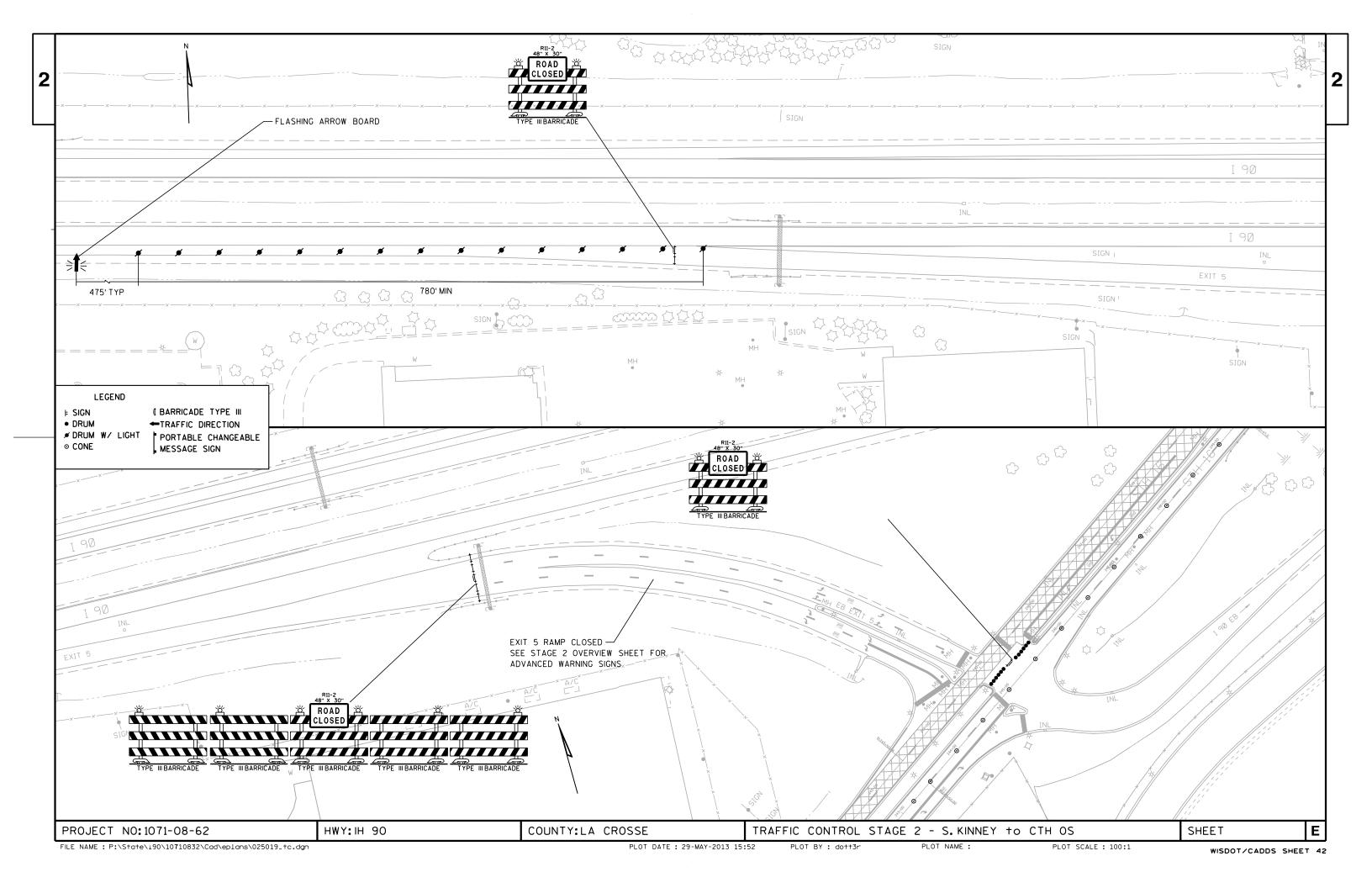


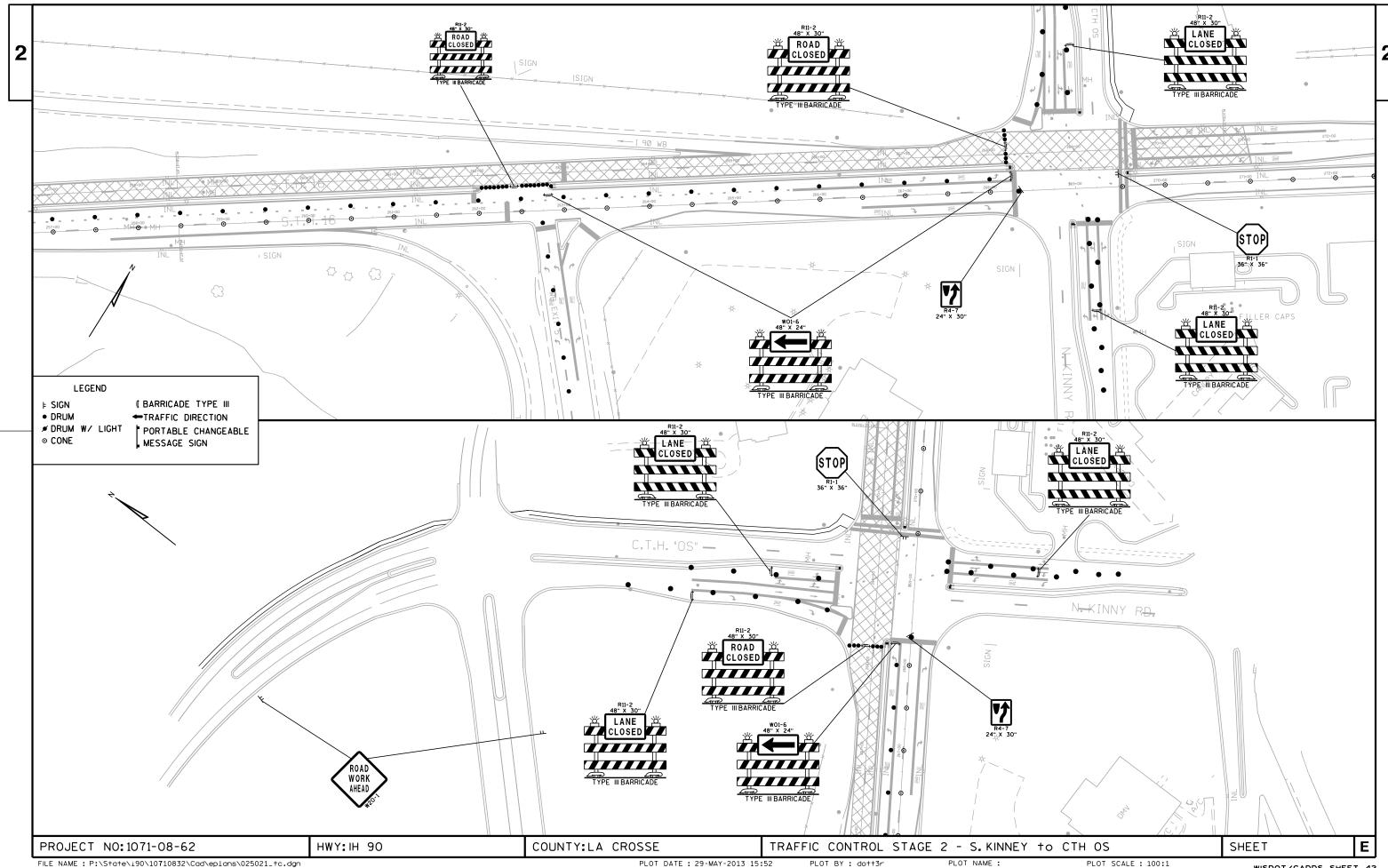


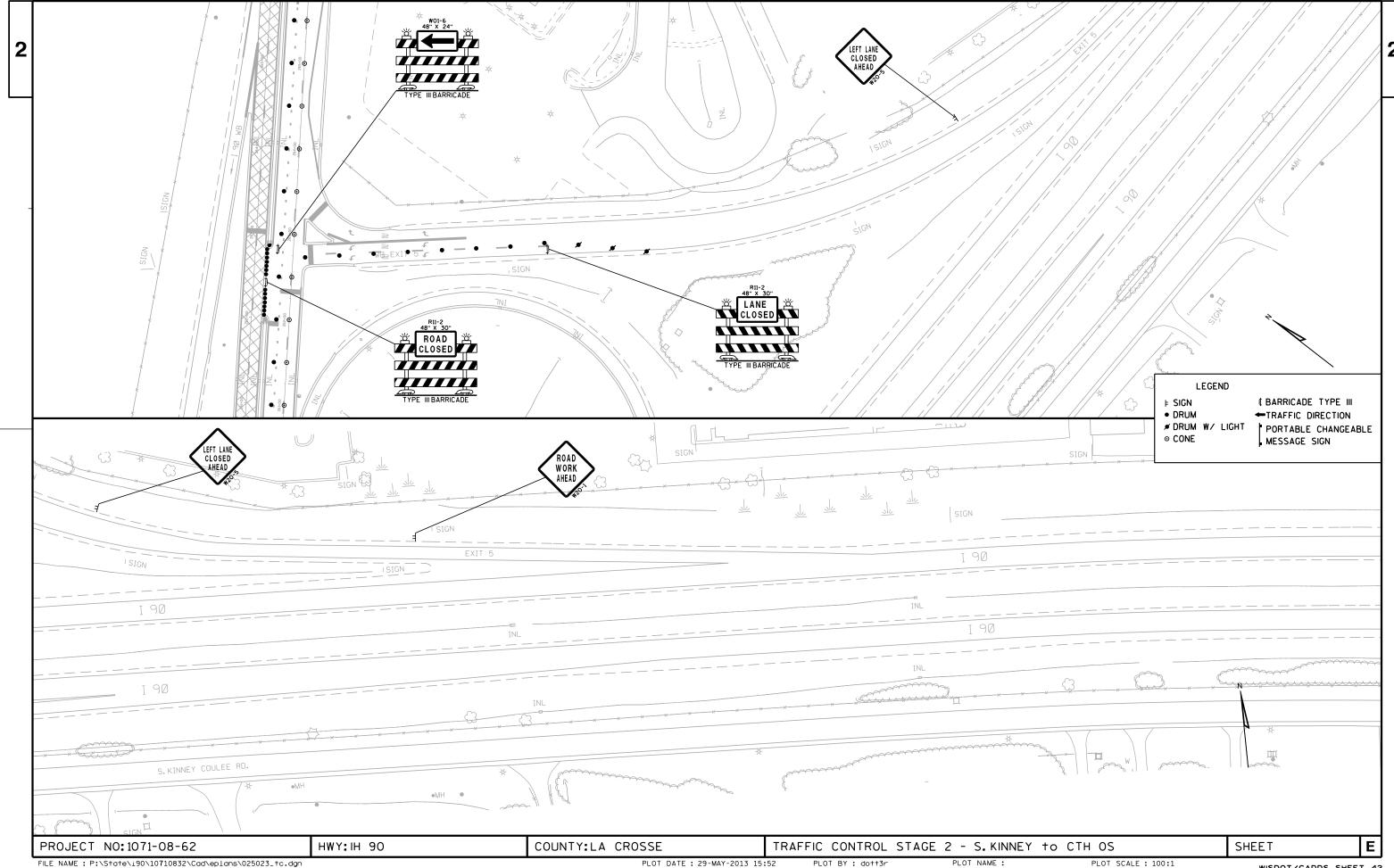


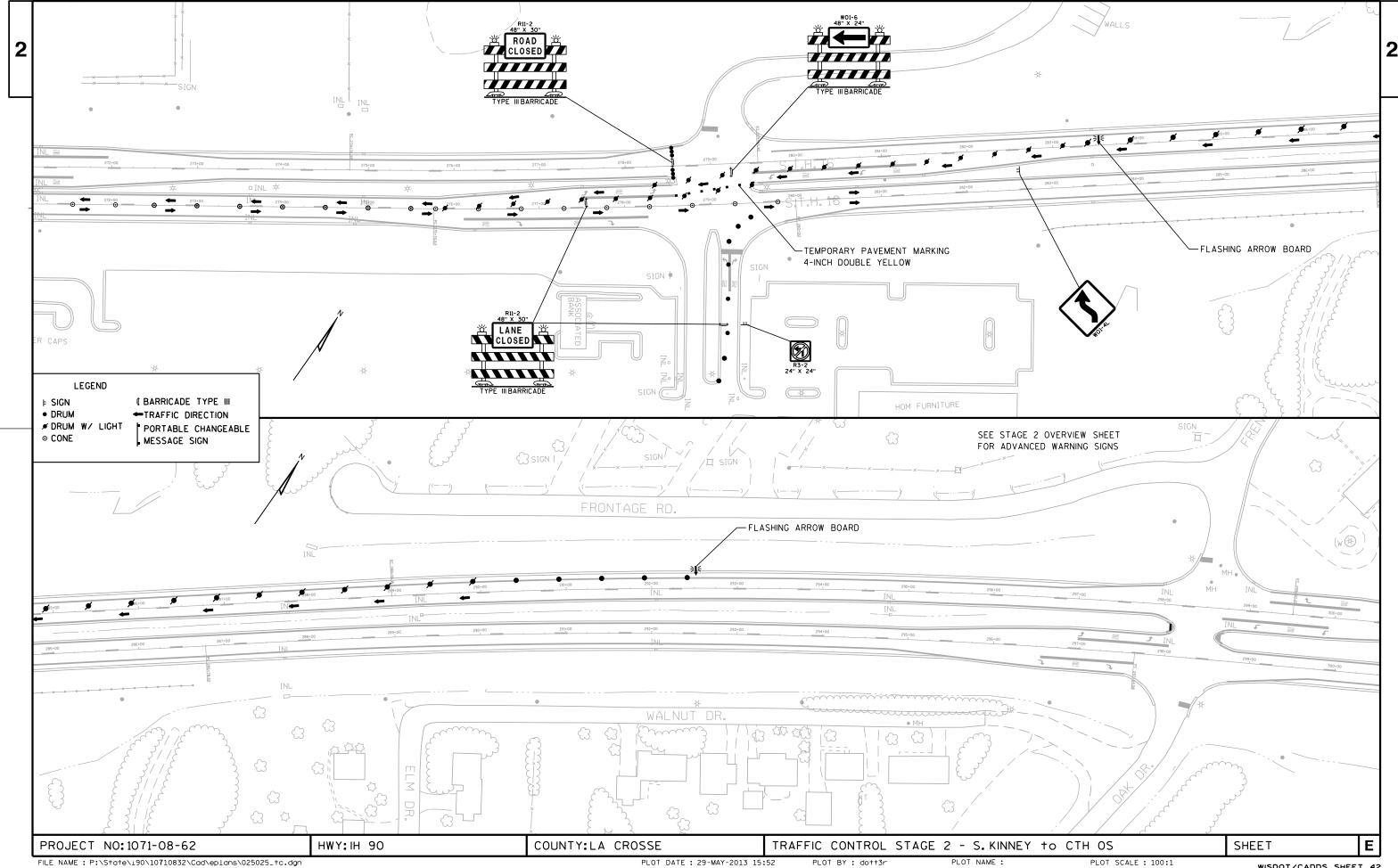


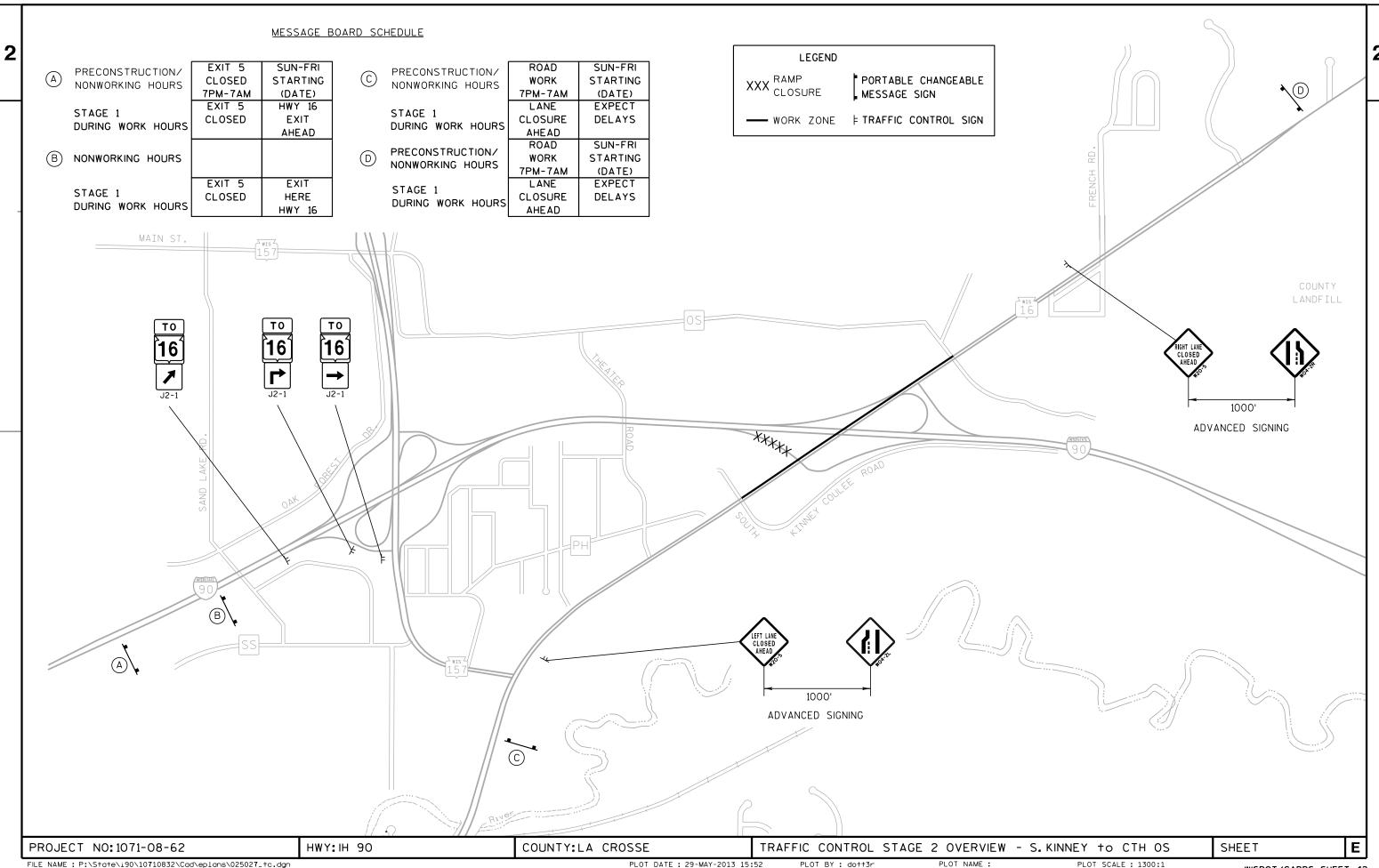


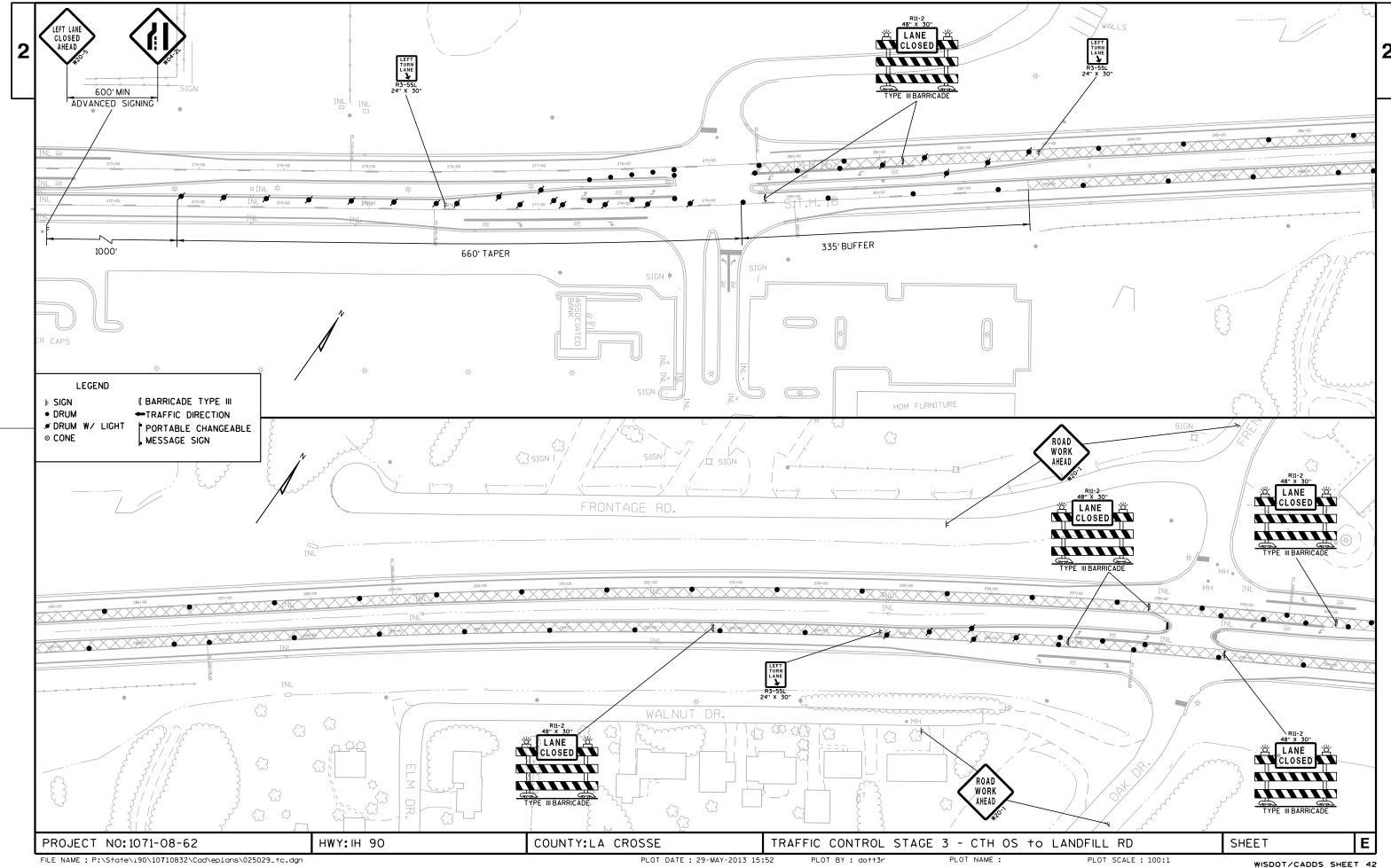


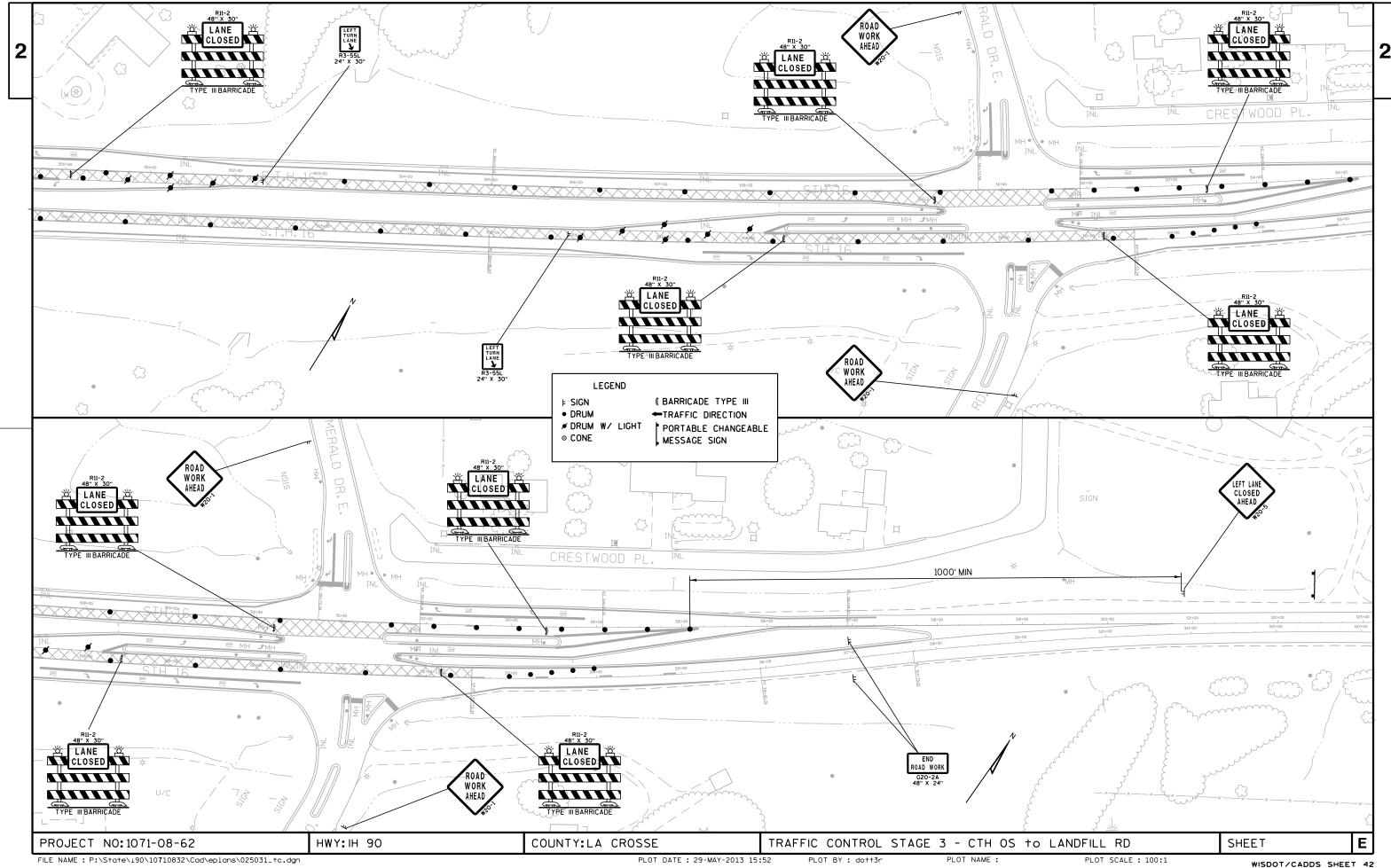


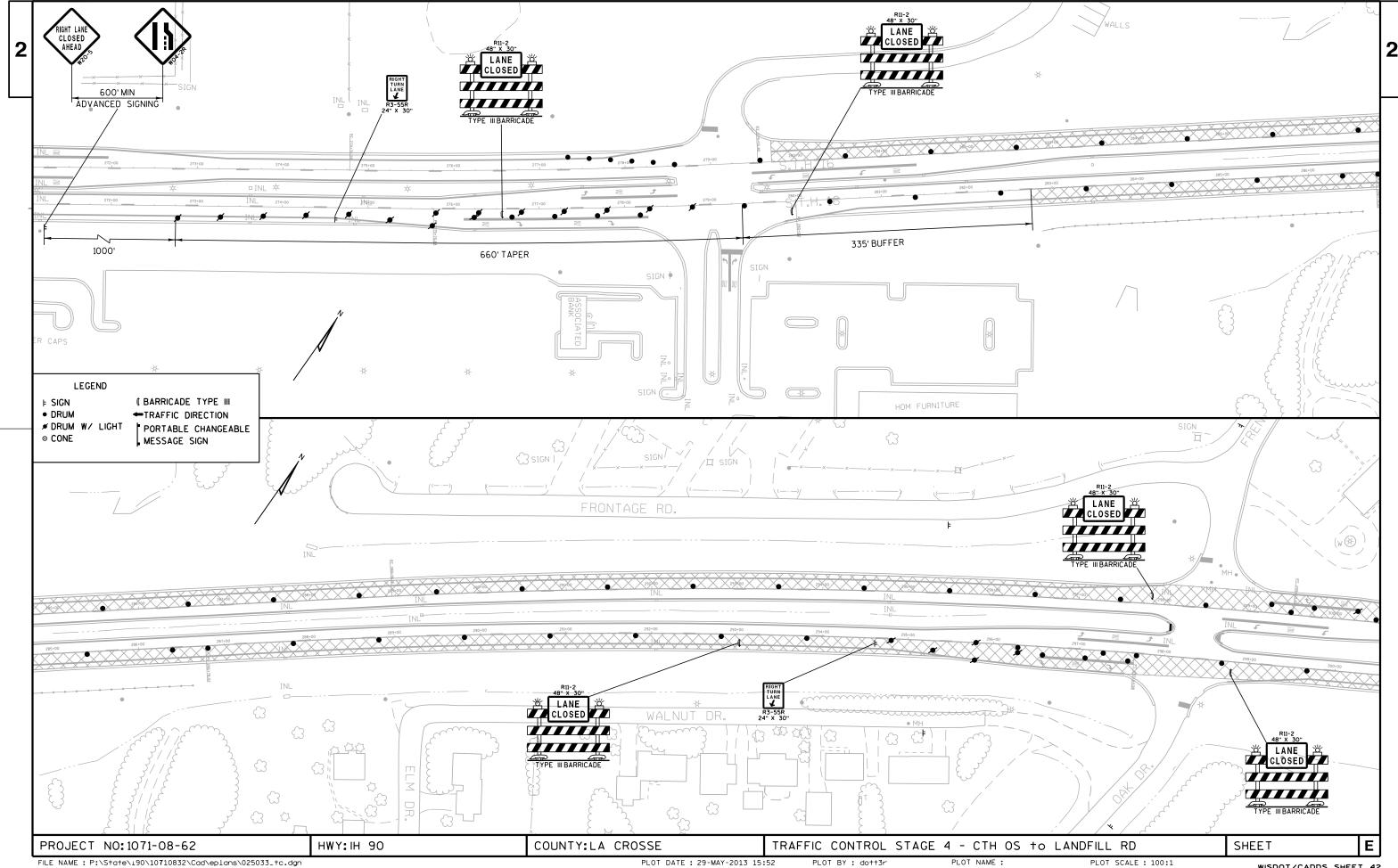


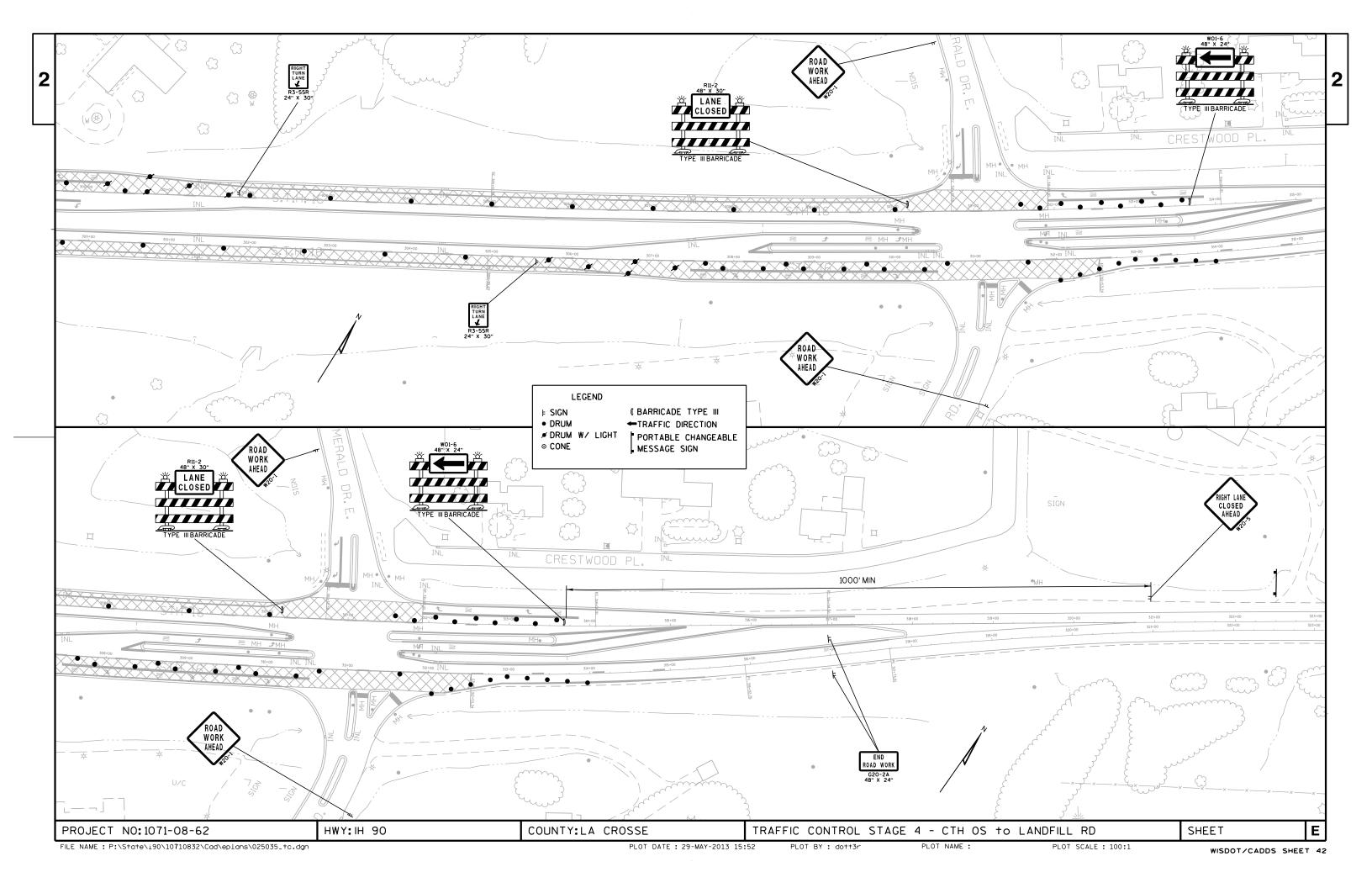












DATE 16 LINE	JAN14	E S <sup>-</sup>	TIMAT	E O F Q U A N	T I T I E S 1071-08-62
NUMBER 0010	ITEM 108 3100 S	ITEM DESCRIPTION INCENTIVE/DISINCENTIVE FOR INTERIM	UNI T CD	TOTAL 4. 000	QUANTI TY 4. 000
0010	100. 3100. 3	COMPLETION OF WORK	CD	4.000	4.000
0020	204. 0105	REMOVING PAVEMENT BUTT JOINTS	SY	540. 000	540. 000
0030		REMOVING CONCRETE SURFACE PARTIAL DEPTH	SF	208, 635. 000	208, 635. 000
0040 0050	204. 0150 204. 0155	REMOVING CURB & GUTTER REMOVING CONCRETE SIDEWALK	LF SY	863. 000 130. 000	863. 000 130. 000
		NEWOVING GONORETE STREWNER			
0060	204. 0195	REMOVING CONCRETE BASES	EACH	2.000	2.000
0070	205. 0100	EXCAVATION COMMON	CY	271. 000	271. 000
0080 0090	206. 6000. S 213. 0100	TEMPORARY SHORING FINISHING ROADWAY (PROJECT) 01.	SF EACH	360. 000 1. 000	360. 000 1. 000
0070	210.0100	1071-08-62	Liton	1.000	1. 000
0100	305. 0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	544. 000	544. 000
0110	390. 0403	BASE PATCHING CONCRETE SHES	SY	4, 340. 000	4, 340. 000
0120	416. 0610	DRILLED TIE BARS	EACH	1, 140. 000	1, 140. 000
0130	416.0620	DRILLED DOWEL BARS	EACH	580.000	580.000
0140 0150	416. 1710 416. 1720	CONCRETE PAVEMENT REPAIR CONCRETE PAVEMENT REPLACEMENT	SY SY	100. 000 2, 200. 000	100. 000 2, 200. 000
		OSTONETE I TVENENT NEI ENGLINENT		2,200.000	2, 200. 000
0160	416. 1725	CONCRETE PAVEMENT REPLACEMENT SHES	SY	830. 000	830. 000
0170	455. 0115	ASPHALTIC MATERIAL PG64-22	TON	135.000	135.000
0180 0190	455. 0605 460. 1130	TACK COAT HMA PAVEMENT TYPE E-30	GAL TON	1, 158. 000 2, 454. 000	1, 158. 000 2, 454. 000
0190	460. 1130	INCENTIVE DENSITY HMA PAVEMENT	DOL	2, 454. 000 1, 658. 000	1, 658. 000
0210	601. 0413	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G	LF	298. 000	298. 000
0220	602. 0405	CONCRETE SIDEWALK 4-INCH	SF	1, 200. 000	1, 200. 000
0230	611. 0627	INLET COVERS TYPE HM	EACH	1.000	1.000
0240 0250	611. 8110 611. 8115	ADJUSTING MANHOLE COVERS ADJUSTING INLET COVERS	EACH EACH	8. 000 7. 000	8. 000 7. 000
0230	011.0113	ADJUSTING THEET COVERS	LACII	7.000	7.000
0260	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 1071-08-62	EACH	1. 000	1. 000
0270	619. 1000	MOBI LI ZATI ON	EACH	1. 000	1.000
0280	625. 0500	SALVAGED TOPSOIL	SY	69. 000	69. 000
0290 0300	628. 7015 630. 0200	INLET PROTECTION TYPE C	EACH LB	92. 000 3. 000	92. 000 3. 000
0300	030. 0200	SEEDING TEMPORARY	LD	3.000	3.000
0310	634. 0612	POSTS WOOD 4X6-INCH X 12-FT	EACH	3. 000	3. 000
0320	634. 0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	47. 000	47. 000
0330	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	46.000	46.000
0340 0350	634. 0618 634. 0620	POSTS WOOD 4X6-INCH X 18-FT POSTS WOOD 4X6-INCH X 20-FT	EACH EACH	13. 000 5. 000	13. 000 5. 000
	034.0020	10313 WOOD 470-1NCH X 20-11	LACII	3.000	3.000
0360	634. 0816	POSTS TUBULAR STEEL 2X2-INCH X 16-FT	EACH	2. 000	2. 000
0370	636. 0100	SIGN SUPPORTS CONCRETE MASONRY	CY	25. 000	25. 000
0380	636. 1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	3, 075. 000	3, 075. 000
0390 0400	637. 1220 637. 2210	SIGNS TYPE I REFLECTIVE SH SIGNS TYPE II REFLECTIVE H	SF SF	321. 000 1, 616. 130	321. 000 1, 616. 130
		OF SHIEFF REFERENCE II			
0410	637. 2215	SIGNS TYPE II REFLECTIVE H FOLDING	SF	141. 740	141. 740
0420	637. 2230	SIGNS TYPE II REFLECTIVE F	SF	69. 750	69. 750
0430 0440	638. 2602 638. 3000	REMOVING SIGNS TYPE II REMOVING SMALL SIGN SUPPORTS	EACH EACH	183. 000 75. 000	183. 000 75. 000
0440	641. 1200	SIGN BRIDGE CANTILEVERED (STRUCTURE) 01.	LS	1. 000	1. 000
0.00	01111200	S-32-45		555	
0460	641. 1200	SIGN BRIDGE CANTILEVERED (STRUCTURE) 02.	LS	1. 000	1. 000
		S-32-46			
0470	641. 8100	OVERHEAD SIGN SUPPORT (STRUCTURE) 01. S-32-47	LS	1. 000	1. 000
0480	642. 5001	FIELD OFFICE TYPE B	EACH	1. 000	1. 000

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LINE					1071-08-62
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0490	643. 0200	TRAFFIC CONTROL SURVEILLANCE AND	DAY	70, 000	70, 000
0470	043. 0200	MAINTENANCE (PROJECT) 01. 1071-08-62	DAT	70.000	70.000
0500	643. 0300	TRAFFIC CONTROL DRUMS	DAY	11, 960, 000	11, 960, 000
				,	,
0510	643. 0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	1, 140. 000	1, 140. 000
0520	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	2, 280. 000	2, 280. 000
0530	643.0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	2, 660. 000	2, 660. 000
0540	643.0800	TRAFFIC CONTROL ARROW BOARDS	DAY	140.000	140.000
0550	643.0900	TRAFFIC CONTROL SIGNS	DAY	2, 290. 000	2, 290. 000
0560	643. 1050	TRAFFIC CONTROL SIGNS PCMS	DAY	160.000	160.000
0570	646. 0106	PAVEMENT MARKING EPOXY 4-INCH	LF	17, 139. 000	17, 139. 000
0580	646. 0126	PAVEMENT MARKING EPOXY 8-INCH	LF	4, 304. 000	4, 304. 000
0590	646.0406	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	LF	15, 135. 000	15, 135. 000
0600	647. 0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	44.000	44.000
0610	647. 0356	PAVEMENT MARKING WORDS EPOXY	EACH	35. 000	35. 000
0620	647. 0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	702. 000	702. 000
0630	647. 0606	PAVEMENT MARKING ISLAND NOSE EPOXY	EACH	20.000	20. 000
0640	647. 0776	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	LF	217. 000	217. 000
0650	649. 0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	608.000	608. 000
	, FO. 2002	CONCERNATION CEASURE PEOUPEAGING		45 (00 000	45 (00 000
0660	650. 8000	CONSTRUCTION STAKING RESURFACING	LF	15, 600. 000	15, 600. 000
0/70	/FO 0010	REFERENCE	1.0	1 000	1 000
0670	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 1071-08-62	LS	1. 000	1. 000
0680	652. 0800	CONDUIT LOOP DETECTOR	LF	312. 000	312. 000
0690	655. 0800	LOOP DETECTOR WIRE	LF	1, 076, 000	1, 076, 000
				,	,
0700	690. 0250	SAWI NG CONCRETE	LF	25, 050. 000	25, 050. 000
0710	SPV. 0045	SPECIAL 01. TRAFFIC CONTROL CONES	DAY	4, 480. 000	4, 480. 000
0720	SPV. 0090	SPECIAL 01. LONGITUDINAL JOINT REPAIR	LF	1, 380. 000	1, 380. 000
0730	SPV. 0090	SPECIAL 02. CONCRETE CURB & GUTTER HES	LF	488. 000	488. 000
0.00	3. 1. 0070	30-INCH TYPE K		100.000	100.000
0740	SPV. 0170	SPECIAL O1. JOINT AND CRACK CLEANING	STA	74.000	74.000
		AND FILLING		500	500

REMOVING CONCRETE BASES 204.0195

CATEGORY	STATION	LOCATION	EACH	REMARKS
0010	266+25	WB-RT	1	190 ON RAMP
0010	266+25	WB-LT	1	MEDIAN
		TOTAL 0010	2	

## SAWING CONCRETE

690.0250

	TOTAL 0010	25050	
0010	EASTBOUND	11303	
0010	WESTBOUND	13747	
CATEGORY	LOCATION	LF	REMARKS

# REMOVING CONCRETE SURFACE PARTIAL DEPTH 204.0109.S

LOCATION

WB - MAINLINE

EB - MAINLINE

EB - MAINLINE

WB - MAINLINE

TOTAL 0010

STATION TO STATION

234+35 -

234+35 -

271+00 -

271+00 -

CATEGORY 0010

0010

0010

0010

REMOVING PAVEMENT BUTT JOINT 204.0105 SY

135

135

135

135

*540* 

 CATEGORY	STATION TO STA	ATION LOCATION	SF	REMARKS
0010	234+35 - 273	1+00 WB MAINLIN	E 87960	
0010	234+35 - 269	9+50 EB MAINLINI	E 84360	
0010	235+75 - 245	5+50 EB - LT	3901	EB LT TL to Farm & Fleet
0010	255+50 - 269	9+60 EB - LT	16,875	EB LT TL to CTH OS
0010	234+35 - 237	7+00 WB - RT	2684	WB RT TL to Pralle
0010	234+35 - 237	7+00 WB - LT	2499	WB LT TL to S. Kinney
0010	244+90 - 250	0+50 WB - LT	6214	WB LT TL to I-90 EB
0010	269+75 - 272	1+00 WB - RT	4142	WB RT TL to CTH OS
				_
		TOTAL 0010	208635	

# INLET PROTECTION TYPE C

628.7015

STATION TO	STATION	LOCATION	EACH	REMARKS
234+45 -	245+55	EB	8	
245+55 -	269+87	EB	18	
269+87 -	279+59	EB	3	
279+59 -	298+87	EB	7	
298+87 -	312+53	EB	10	
234+45 -	245+10	WB	8	
245+10 -	271+06	WB	18	
271+06 -	278+48	WB	4	
279+48 -	299+32	WB	9	
299+32	312+00	WB	7	
		TOTAL 0010	92	

STATE PROJECT NO: 1071-08-62 HWY: IH 90 COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET NO: E

FILE NAME : \_\_\_\_\_\_ PLOT DATE : \_\_\_\_\_ PLOT BY : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ ORG DATE : \_\_\_\_\_ ORIGINATOR : DIST\_ PLOT SCALE : 1:1

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				HMA	ASPHALTIC	
	<u>ASPHAL</u>	<u>T</u>		PAVEMENT	MATERIAL	
			TACK COAT	TYPE E-30	PG64-22	
			455.0605	460.1130	455.0115	
CATEGORY	STATION TO STATION	LOCATION	(GAL)	(TONS)	(TONS)	REMARKS
0010	234+35 - 271+00	WB MAINLINE	489	1035	57	
0010	234+35 - 269+50	EB MAINLINE	469	993	55	
0010	235+75 - 245+50	EB - LT	21	45	2	EB LT TL to Farm & Fleet
0010	255+50 - 269+60	EB - LT	94	199	11	EB LT TL to CTH OS
0010	234+35 - 237+00	WB - RT	15	32	2	WB RT TL to Pralle
0010	234+35 - 237+00	WB - LT	14	29	2	WB LT TL to S. Kinney
0010	244+90 - 250+50	WB - LT	35	73	4	WB LT TL to I-90 EB
0010	269+75 - 271+00	WB - RT	22	48	3	WB RT TL to CTH OS
		TOTAL 0010	1,158	2454	135	_

		REMOVING	REMOVING	CONCRETE CU	JRB & GUTTER	CONCRETE
		CURB &	CONCRETE	6-INCH SLOPED	HES 30-INCH	SIDEWALK
		GUTTER	SIDEWALK	30-INCH TYPE G	TYPE K	4-INCH
		204.015	204.0155	601.0413	SPV. 0090.02	602.0405
STATION TO STATIO	N LOCATION	LF	SY	LF	LF	SF
239+10 239+60	MEDIAN	87				
242+00 - 242+50	WB-RT	54			54	
242+25 - 242+50	WB-LT	40			40	
265+00 - 268+25	WB-RT	330	130		330	1200
266+75 - 267+50	WB-LT	64			64	
274+40 - 275+10	WB-RT			35		
274+75 275+00	WB-RT	35				
280+00 -	EB-LT	12		12		
283+00	EB-RT	20		20		
285+00	WB-RT	20		20		
287+75	EB-RT	18		18		
288+75 289+25	WB-LT	40		40		
289+00 289+30	EB-RT	32		32		
294+00	WB-LT	18		18		
295+75 - 296+50	WB-LT	52		52		
301+50	WB-RT	16		16		
301+75	EB-RT	25		35		
	TOTAL 0010	863	130	298	488	1200

STATE PROJECT NO: 1071-08-62 HWY: IH 90 COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET NO: E

FILE NAME : \_\_\_\_\_ PLOT DATE : \_\_\_\_ PLOT BY : \_\_\_\_ PLOT NAME : \_\_\_\_ ORG DATE : \_\_\_\_ ORIGINATOR : DIST \_ PLOT SCALE : 1:1

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	JOINT REPAIR ITEMS			CONCRETE PAVEMENT		CONCRETE PAVEMENT	DRILLED	DRILLED	LONGITUDINAL	
			CONCRETE SHES		REPAIR	REPLACEMENT	TIE BARS	DOWEL BARS	JOINT REPAIR	
			390.0403	416.1725	416.1710	416.1720	416.0610	416.0620	SPV.0090.01	
CATEGORY	STATION TO STATION	LOCATION	SY	SY	SY	SY	EACH	EACH	LF	REMARKS
0010	234+35 - 245+50	WB	424				N/A	N/A		non-doweled pavement
0010	234+35 - 245+50	EB	577				N/A	N/A		non-doweled pavement
0010	245+50 - 272+00	WB	1604				N/A	N/A		non-doweled pavement
0010	245+50 - 272+00	EB	1720				N/A	N/A		non-doweled pavement
0010	248+00 -	WB-LT							20	
0010	248+60 - 249+00	WB-LT							40	
0010	256+75 - 257+25	EB-RT							180	
0010	263+25 - 265+75	EB-RT							270	
0010	265+25 - 266+25	WB-RT							110	
0010	267+25 - 268+25	WB-CL							80	
0010	267+60 - 271+00	WB-RT							340	
0010	268+50 - 269+75	WB-LT							140	
0010	269+00 - 269+75	WB-CL							80	
0010	269+00 - 269+80	WB-RT							75	
0010	272+00 - 282+00	WB	14							
0010	282+00 - 298+00	WB			30	1173	610	192		
0010	282+00 - 298+00	EB				514	165	100		
0010	298+00 - 307+00	WB			50	163	65	48		
0010	298+00 - 307+00	EB			20	350	100	64		
0010	301+75	WB-RT							25	
0010	307+00 312+00	EB		636			200	176		
0010	307+75 308+00	EB-RT							20	
0010	310+00 312+00	WB-RT		194						
3323		TOTAL 0010	4340	830	100	2200	1140	580	1380	_

		<b>EXCAVATION</b>		COMMON	BASE AGG.	SALV.	TEMP.	
				EXCAV.	DENSE 1 1/4-INCH	TOPSOIL	SEED	
				205.0100	305.0120	625.0500	630.0200	
CATEGORY	STATION	TO STATION	LOCATION	(CY)	(TON)	(SY)	(LB)	REMARKS
0010	239+10	- 239+60	Median	23	46	69	3	
0010	252+00	- 253+60	WB	60	120			BASE COURSE
0010	263+50	- 289+25	WB	123	246			<b>IMPROVEMENT AS</b>
0010	300+75	- 302+25	EB	36	72			DIRECTED BY
			UNDISTR.	30	60			THE ENGINEER
			TOTAL 0100	271	544	69	3	

STATE PROJECT NO: 1071-08-62 HWY: IH 90 COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET NO: E

FILE NAME : \_\_\_\_\_\_ PLOT DATE : \_\_\_\_\_ PLOT BY : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ ORG DATE : \_\_\_\_\_ ORIGINATOR : DIST\_ PLOT SCALE : 1:1

SHEET NO:

**MISCELLANEOUS QUANTITIES** 

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	]	TRAFFIC CO	ONTROL_	TRAFFIC CONTROL	RAFFIC CONTRO	I BARRICADES I	MARNING LIGHTS	WARNING LIGHTS	ELASHING ARROW	TRAFFIC CONTROL	TRAFFIC CONTROL
				& MAINTENANCE 643.0200	DRUMS 643.0300	TYPE III 643.0420	TYPE A 643.0705	TYPE C 643.0715	BOARD 643.0800	SIGNS 643.0900	CONES SPV.0045.01
	STATION TO ST	TATION	LOCATION	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
STAGE 1	218+00 - 23	30+00	ML - HWY 16	0	580	20	40	360	20	80	0
	230+00 23	86+00	ML - HWY 16	0	360	60	120	200	0	60	100
			S. KINNEY COULEE RD.	0	1040	80	160	0	0	200	0
	237+00 - 24	l5+00	ML - HWY 16	0	200	20	40	0	0	160	380
			EB EXIT 5 RAMP	0	820	80	160	260	0	80	0
	245+00 - 26	60+00	ML - HWY 16	0	0	20	40	0	0	20	820
	260+00 - 27	2+50	ML - HWY 16	0	660	80	160	0	0	100	420
			CTH OS/N. KINNEY RD.	0	380	40	80	0	0	100	0
			WB EXIT 5 RAMP	0	220	20	40	0	0	20	0
	272+50 - 28	37+00	ML - HWY 16	0	540	80	160	140	0	80	480
	287+00 - 30		ML - HWY 16	0	220	0	0	0	20	0	0
			OVERVIEW	25	0	0	0	0	0	260	0
			TOTAL	25	5020	500	1000	960	40	1160	2200
CTA CC 2	240.00 22		NAL LIVANZAC	0	440	20	40	200	20	40	0
STAGE 2	218+00 - 23		ML-HWY 16	0	440	20	40	300	20	40	0
	230+00 - 24	15+00	ML-HWY 16	0	780	40	80	0	0	140	480
			S. KINNEY COULEE RD.	0	960	80	160	0	0	200	0
	245+00 - 26	00+00	ML-HWY 16	0	320	20	40	0	0	20	580
			EB EXIT 5 RAMP	0	300	140	280	300	20	20	0
	260+00 - 27	<b>'</b> 2+50	ML-HWY 16	0	720	80	160	0	0	120	460
			CTH OS/N. KINNEY RD.	0	400	60	120	0	0	60	0
			WB EXIT 5 RAMP	0	200	20	40	60	0	60	0
	272+50 - 28		ML-HWY 16	0	880	80	160	600	20	120	280
	287+00 - 30	0+50	ML-HWY 16	0	240	0	0	140	20	0	0
			OVERVIEW	25	0	0	0	0	0	260	0
			TOTAL	25	5240	540	1080	1400	80	1040	1800
STAGE 3	271+00 28	7+00	ML-HWY 16	10	220	10	20	150	10	20	0
	287+00 300	0+50	ML-HWY 16	0	390	20	40	0	0	70	240
	300+50 32:	1+00	ML-HWY 16	0	0	0	0	0	0	0	0
	-	TOTAL		10	610	30	60	150	10	90	240
STAGE 4	271+00 28	7+00	ML-HWY 16	10	220	10	20	150	10	20	0
<b></b> •		0+50	ML-HWY 16	0	390	20	40	0	0	70	240
		1+00	ML-HWY 16	0	480	40	80	0	0	100	0
		TOTAL	ME IIII 10	10	1090	<b>70</b>	140	150	10	100	240
FINAL		TOTAL		70	11960	1140	2280	2660	140	2290	4480

COUNTY: LA CROSSE FILE NAME : \_\_ PLOT DATE : \_\_ PLOT BY : \_\_\_ PLOT NAME : \_ ORIGINATOR : DIST \_ PLOT SCALE: 1:1 ORG DATE : \_\_\_\_

HWY: IH 90

STATE PROJECT NO: 1071-08-62

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PAVEMENT MARI	KING	SAME DA	Y EPOXY	EPC	OXY						CROSSWALK	TEMPORARY
		411	ICH	411	NCH	<b>EPOXY 8INCH</b>	ARROW TYPE 2	WORDS EPOXY	STOP LINE EPOXY	ISLAND NOSE	EPOXY	4-INCH
		646.	0406	646.	0106	WHITE	WHITE	WHITE	18-INCH	EPOXY	12-INCH	(SAME DAY)
		WHITE	YELLOW	WHITE	YELLOW	646.0126	647.0166	647.0356	647.0566	647.0606	647.0776	649.0100
STATION TO STATION	LOCATION	LF	LF	LF	LF	LF	EACH	EACH	LF	EACH	LF	LF
234+00 - 240+00	ML-HWY 16	1190	1050			607	6	4	49	3		96
240+00 - 248+00	ML-HWY 16	1619	1604			587	6	4	157	2		128
248+00 - 257+00	ML-HWY 16	1965	1706									144
257+00 - 264+00	ML-HWY 16	1630	1274			346	2	2	111	2		112
264+00 - 273+00	ML-HWY 16	1611	1486			1036	8	8	214	4	217	128
273+00 - 282+00	ML-HWY 16			1675	1524	521	6	5	52	2		
282+00 - 290+50	ML-HWY 16			2080	1780							
290+50 - 300+00	ML-HWY 16			1965	1775	217	6	3	28	2		
300+00 - 306+00	ML-HWY 16			1965	1763	385	4	3	28	2		
306+00 - 315+00	ML-HWY 16			1252	1360	605	6	6	63	3		
	TOTAL	8015	7120	<i>8937</i>	8202	4304	44	<i>35</i>	702	20	217	608

ADJUSTING MANHOLE ADJUSTING INLET COVER

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			COVERS	COVERS	TYPE HM
			611.8110	611.8115	
CATEGORY	STATION	LOCATION	EACH	EACH	
0010	235+70	EB-LT	1		
0010	236+05	EB-CL	1		
0010	247+12	EB-LT	1		
0010	247+50	EB-RT	1		
0010	252+80	EB-RT	1		
0010	257+90	EB-LT	1		
0010	258+10	EB-CL	1		
0010	266+75	WB-LT		1	
0010	269+90	WB-LT	1		
0010	279+80	EB-RT		1	
0010	287+65	EB-RT		1	
0010	289+25	WB		1	
0010	298+00	EB-LT		1	
0010	301+30	WB-RT		1	
0010	301+35	EB-LT		1	1
		TOTAL 0010	0 8	7	1

**MANHOLES & INLETS** 

LOOP	<u>DETECTORS</u>	CONDUIT LOOP	LOOP DETECTOR	
		DETECTOR	WIRF	
		652.0800	655.08	
STATION	LOCATION	LF	LF	REMARKS
237+25	WB	52	166.0	LOOP 1 - EXISTING PB1
241+30	EB	52	166.0	LOOP 2 - EXISTING PB2
249+25	WB	52	166.0	LOOP 3 - EXISTING PB3
258+75	EB	52	206.0	LOOP 4 - EXISTING PB4
264+85	WB	52	206.0	LOOP 5 - EXISTING PB5
266+45	WB	52	166.0	LOOP 6 - EXISTING PB6
	TOTAL 0010	312	1076	_

STATE PROJECT NO: 1071-08-62 HWY: IH 90 COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET NO: E

FILE NAME : \_\_\_\_\_\_ PLOT DATE : \_\_\_\_\_ PLOT BY : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ ORG DATE : \_\_\_\_\_ ORIGINATOR : DIST\_ PLOT SCALE : 1:1

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ET 1 OF 6							SIGNI	637.1220 SIGNS	637.2210 SIGNS TYPE II	637.2215 SIGNS TYPE II REFLECTIVE H	637.2230 SIGNS TYPE II	634.0612		634.0616 WOOD 4X6		634.0620		638.2602 REMOVING	638.3000 REMOVING SMALL SIGN	SIGN MOUNTED	
SIGN	APPROX.			SIGN			SIGN SIZE	SIGNS TYPE I	REFLECTIVE H	FOLDING	REFLECTIVE F		14 FT	16 FT	18 FT	20 FT	ST 2X2 16 FT	SIGNS TYPE II	SUPPORTS	ON SAME	
MBER	STATION	POSITION	SITE ID	CODE	SIGN DESCRIPTION	ORDER LINES	IN X IN	SF	SF	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	POST AS	REMARKS
00	234+50	Right		J1-2	Junction or End Assembly (2 Headed Panel)	EAST - JCT 16 - 90	72 X 57														Leave Existing
01	235+75	Right		R2-1	Speed Limit_MPH	45	36 X 48														Leave Existing
102	236+00	Left		R5-1A	Wrong Way		42 X 30														Leave Existing
103	237+00	Left		R2-1	Speed Limit _ MPH	45	36 X 48		12.00					1							ŭ
04R	237+00	Left		R2-1	Speed Limit _ MPH	45	36 X 48											1	1		
105	237+00	Left		D1-2	Two Destinations (Arrows)	[LA] S. Kinney Coulee Rd	120 X 30														Leave Existing
06R	237+30	Right		MB3-4	West - BLUE	Pralle Center Dr [RA] WEST	24 X 12											1	1		
07R	237+30	Right		M50-92	Route Marker Panel - 2 any preprint faces	90-90	48 X 24											1			
08R	237+30	Right		MB6-1	Arrow - RIGHT, LEFT, OR AHEAD		21 X 21											1			
109R	237+30	Right		MB3-2	East - BLUE	EAST	24 X 12											1			
10R	237+30	Right		MB5-1-R	Advanced Right Turn Arrow		21 X 21											1			
111	237+90	Overhead		E7-2	Overhead Arrow Per Lane Guide Sign (2 Arrows)	16 EAST - 90 WEST	204 X 96														Mastarm
112	238+35	Median	Farm & Fleet	R6-2-R	One Way RIGHT Arrow	[Ahead] - [Ahead, Right] EAST 90	36 X 48		12.00												Light Pole
112 13R	238+35	Median	Farm & Fleet	R6-2-R	One Way RIGHT Arrow		24 X 30		12.00									1			Light Pole
114	238+71	Crossroad	Farm & Fleet	R3-2	No Left Turn Symbol		36 X 36		9.00								1				<b>3</b> · ∞ <del>=</del>
115	238+71	Crossroad	Farm & Fleet	R3-53-R	Right Turn Only		24 X 30		5.00											114	
16R	238+71	Crossroad	Farm & Fleet	R3-2	No Left Turn Symbol		24 X 24											1	1		
17R	238+71	Crossroad	Farm & Fleet	R3-53-R	Right Turn Only		24 X 30		 5.00									1			
118 19R	238+85 238+85	Crossroad Crossroad	Farm & Fleet Farm & Fleet	R4-7 R4-52-R	Keep Right Keep Right - NO Arrow		24 X 30 24 X 24		5.00								1	1	1		
20R	238+85	Crossroad	Farm & Fleet	R4-52-R R4-7	Keep Right		24 X 24 24 X 30											1			
21R	238+90	Island	Farm & Fleet	R5-1	Do Not Enter		36 X 36											1	1		
122	238+90	Island	Farm & Fleet	R5-1	Do Not Enter		36 X 36		9.00				1								
123	239+18	Median	Farm & Fleet	W12-1-D	Double Down Arrows		30 X 30				6.25	1									
24R	239+18	Right		D1-2	Two Destinations (Arrows)	[UA] Minnesota	72 X 30											1	2		
25R	239+18	Median	Farm & Fleet	R5-1	Do Not Enter	Madison [RA]	36 X 36														
26R	239+18	Median	Farm & Fleet	W12-1-D	Double Down Arrows		24 X 24											1			
127	239+20	Median	Farm & Fleet	R5-1	Do Not Enter		36 X 36		9.00				1								
200	239+85	Left	Farm & Fleet	R5-1	Do Not Enter		36 X 36		9.00					1							
201R	240+83	Left	Farm & Fleet	R5-1	Do Not Enter		36 X 36											1	1		
202	242+35	Left		J4-2	Reassurance Assembly (2 Headed Route Panel)	WEST - ALTERNATE	72 X 54		27.00						2						
202	040.00	1.44		DE 44	Mara a Mari	16 - 90	42 X 30		8.75												
203 :04R	242+00 242+35	Left Left		R5-1A J4-1	Wrong Way Reassurance Assembly (1 Headed Route Panel)	WEST	24 X 36		6.75									1	1		
.0410	242100	Lon		04 1	reasonance resembly (Tricadea Route Failer)	16	24700														
205R	242+35	Left		MB4-1	Alternate		24 X 12											1	1		
206R	242+35	Left		M1-1	Interstate Shield	90	24 X 24											1			
207	244+35	Median	East 90 Off to 16	R10-11F	No Turn on Red from Left Lane		30 X 36		7.50												Traffic Signal Standard
208 209R	244+35 244+35	Median Median	East 90 Off to 16 East 90 Off to 16	R6-2-R R10-11F	One Way RIGHT Arrow  No Turn on Red from Left Lane		36 X 48 30 X 36		12.00					1				1			Traffic Signal Standard
210R	244+35	Median	East 90 Off to 16	R6-2-R	One Way RIGHT Arrow		24 X 30											1			Traffic Signal Standard
211R	244+70	Left Median	East 90 Off to 16	R1-1-F	Stop (Folding)		36 X 36											1			Light Pole
212R	244+70	Left Median	East 90 Off to 16	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24											1			Light Pole
213R	244+00	Left	East 90 Off to 16	R1-1-F	Stop (Folding)		36 X 36											1			Light Pole
214	244+00	Left	East 90 Off to 16	R1-1-F	Stop (Folding)		36 X 36			7.46											Light Pole
215 216	244+70 244+70	Left Median Left Median	East 90 Off to 16 East 90 Off to 16	R1-1-F R6-3	Stop (Folding)		36 X 36 30 X 24		5.00	7.46											Light Pole Light Pole
216 217R	244+70 240+76	Left Median Right	East 90 OII to 16	R6-3 MB3-2	Divided Highway Crossing Sign and Intersection East - BLUE	EAST	30 X 24 24 X 12		5.00									1	1		Light Fole
17R	240+76	Right		M1-1	Interstate Shield	90	24 X 12											1			
19R	240+76	Right		MB6-1	Arrow - RIGHT, LEFT, OR AHEAD		21 X 21											1			
220	241+00	Right		D1-66	Advanced Entrance Diagrammatic Guide Sign	90 WEST	96 X 84		56.00						2						
						90 EAST	46														
221	242+00	Right	East Bound On Ramp	R5-1A	Wrong Way		42 X 30		8.75				1								
22R 23R	242+35 242+35	Right Right	East Bound On Ramp East Bound On Ramp	MB4-1 M1-1	Alternate Interstate Shield	90	24 X 12 24 X 24											1	1		
24R	242+35	Right	East Bound On Ramp	MB6-1	Arrow - RIGHT, LEFT, OR AHEAD		24 X 24 21 X 21											1			
25R	243+93	Right	East Bound On Ramp	MB3-2	East - BLUE	EAST	24 X 12											1			
26R	243+93	Right	East Bound On Ramp	M1-1	Interstate Shield	90	24 X 24											1			
27R	243+93	Right	East Bound On Ramp	MB6-1	Arrow - RIGHT, LEFT, OR AHEAD		21 X 21											1			
228	243+93	Right	East Bound On Ramp	R5-1	Do Not Enter		36 X 36		9.00				1								
29R 30R	243+93 244+80	Right Median	East Bound On Ramp	R5-1 R3-2	Do Not Enter No Left Turn Symbol		36 X 36 24 X 24											1	1		Traffic Signal Standard
230K 231	244+80	Median	East Bound On Ramp East Bound On Ramp	R3-2 R3-2	No Left Turn Symbol No Left Turn Symbol		24 X 24 36 X 36		9.00									1			Traffic Signal Standard
231 232R	244+80	Island	East Bound On Ramp	W12-1-D	Double Down Arrows		24 X 24		9.00									1	1		amo orginal otaridald
233	244+80	Island	East Bound On Ramp	W12-1-D	Double Down Arrows		30 X 30				6.25	1									
234R	244+80	Median	East Bound On Ramp	R1-1-F	Stop (Folding)		36 X 36											1			Traffic Signal Standard
235	244+80	Median	East Bound On Ramp	R1-1-F	Stop (Folding)		36 X 36			7.46											Traffic Signal Standard
236R	244+90	Island	East Bound On Ramp	R1-1-F	Stop (Folding)		36 X 36			7.40								1			Traffic Signal Standard
237 238	244+90	Island	East Bound On Ramp	R1-1-F SP	Stop (Folding)	EDEE/MAY ENTRANCE	36 X 36			7.46											Traffic Signal Standard
۷٥٥	Z43+UU	On Ramp-Right Side	East Bound On Ramp	3P	ANY SPECIAL SIGN	FREEWAY ENTRANCE	60 X 30														Leave Existing

STATE PROJECT NO: 1071-08-62

HWY: IH 90

COUNTY: LA CROSSE

MISCELLANEOUS QUANTITIES

SHET NO: PLOT SCALE: 1:1

Ε

The column	PERMANEI SHEET 2 OF	NT SIGNING 6									637.2215									638.3000		
The content of the								OLON		SIGNS	TYPE II	SIGNS	634.0612				634.0620	634.0816 F	EMOVING	SMALL	OLON MOUNTEE	
The column	SIGN	APPROX.			SIGN								12 FT				20 FT					)
10	NUMBER	STATION			CODE		ORDER LINES	IN X IN		SF				EACH								
10   10   10   10   10   10   10   10																						
1965   1966																			1			-
20																			1			
10																						-
March   Marc																			1			•
Math	245	245+70	Median	East 90 Off to 16	R1-1-F	Stop (Folding)		36 X 36			7.46											
Mary				East 90 Off to 16															1			-
140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140																			1			-
10																			1			
1							[LA]			8.75				1					1			Light Pole
Second   S				East Bound On Ramp			IUAI 90 WEST									2						
						,																
							90 EAST [RA]															
March   Marc																						
1	252	245+75	Right	East Bound On Ramp	D1-70	Entrance Direction Sign (One Destination)		66 X 30		13.75											251	
Math	0500	0.45 - 75	D: L	F	Do o I	O - Mr. LEET Ave	Madison	04.1/00														T
Minima   M															1				1			rrailic Signar Standard
Manual   M				Last 30 Oil to 10		•													1			Traffic Signal Standard
1																						
				East Bound On Ramp			EAST - ALTERNATE									2						3
200   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-00   201-				·																		
March   Marc				•															1	1		
1				·															1			
200   10   10   10   10   10   10   10				·															1	4		
Second   S				•															1			
148				Luot Bound On Hamp															1	1		
1968   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969																			1			
State   Stat					MB5-2-R	Advance Arrow Right Bent		21 X 21											1			
	300	249+50	Median		J2-1	Route Turn Assembly (1 Headed Panel)	EAST	36 X 84		21.00							1					
March   Marc																						
March   Marc					1.000			243/42														
2008   2014-00   100-10-10-10-10-10-10-10-10-10-10-10-10-																			1	1		
1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985   1985																			1			
1965   1964   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965   1965				West Bound On for 90															1	1		
1964   1967   1967   1968   1968   1968   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969   1969																						see S-32-47 plans
1975   1944   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945							EAST 90 [Left, Ahead] - [Ahead]															
588   584-65   168						·													1			
25475   Maria   Mari						. –																Light Pole
1966   1969				East Pound On Pamp to 00		·													1			Light Polo
11   1   1   1   1   1   1   1   1				East Bound On Ramp to 90		, ,													1	1		Light Pole
1																			1			
Management   Man																			1			
355-49   Median   S55-40   Median   M	313	255+30	Right		D1-70	Entrance Direction Sign (One Destination)		96 X 48		32.00					1	1						
15   16   16   16   16   16   16   16							Minnesota - [TR]															
1							FAOT			13.50					1							
13   18   18   18   18   18   18   18																			1	1		
318   256-00   Left							90												1 1			
Most							45			12.00					1				<u> </u>			
Month   Mont						·													1	1		
4028   203-36   Left   MB-14   Memate   24 X 12																			1			
405   Left   West Bound On ramp   J4-2   Reassurance Assembly (2 Headed Route Panel)   WEST - ALTERNATE   72 X 54   27.00			Left					24 X 12											1	1		
16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-90   16-9																			1			
405   261+96   Median   West Bound Off ramp   R4-7   Keep Right   SA-848   12.00   SA-848	404	261+50	Left	West Bound On ramp	J4-2	Reassurance Assembly (2 Headed Route Panel)		72 X 54							2							
40R 261+96 Left R6-2L One Way LEFT Arrow 262+86 Left R6-2L One Way LEFT Arrow 262+86 Left STH 16 R5-1 Do Not Enter 363 X36 - 9.00	405	264.00	Modios	West Bound Off	D4 7	Koon Pight	16 - 90	26 V 40														Light Polc
408																			1			
408 262-87 Left R5TH 16 R5-1 Do Not Enter 36X36 9.00				. root bound On famp											1							Eight Folo
408 262+85 Left STH 16 R5-1 DO NOTE ENTER STH 15 ENTER STH 16 R5-1 DO NOTE ENTER STH 16 R5-1 DO NOTE ENTER STH 15 ENTER STH 16 R5-1 DO NOTE ENTER STH 17-1 DO NOTE ENTER STH 15-1 DO NOTE ENTER STH 17-1 DO NOT						•													1			Traffic Signal Standard
Median   West Bound On ramp   R1-1-F   Stop (Folding)										9.00												
412R 262+85 Median West Bound On ramp R1-1-F Stop (Folding)  413 236+70 On Ramp-Lt. Side West Bound On ramp D1-1 One Destination Arrow  WEST 48 X78 26.00																			1			
413 236+70 On Ramp-Lt. Side West Bound On ramp D1-1 One Destination Arrow WEST 48 X78 26.00				·																		
414R 263+75 On Ramp-Lt. Side CTH OS J3-1 Directional Assembly (1 Headed Route Panel)  WEST 24 X57							WEST												1			Traffic Signal Standard
414R 263+75 On Ramp-Lt. Side CTH OS J3-1 Directional Assembly (1 Headed Route Panel) WEST 24 X57	413	236+70	On Kamp-Lt. Side	West Bound On ramp	D1-1	One Destination Arrow		48 X 78		26.00							2					
414R 263+75 On Ramp-Lt. Side CTH OS J3-1 Directional Assembly (1 Headed Route Panel) WEST 24 X57																						
90	414R	263+75	On Ramp-Lt. Side	CTH OS	J3-1	Directional Assembly (1 Headed Route Panel)		24 X 57											1	1		
[TA]				55		(																
TE PROJECT NO. 4074 00 CO. HWY: IH 90 COUNTY: 14 OROCCE MISSELLANEOUS CHANTELES COUNTY: 15 OROCCE MISSELLANEOUS COUNTY: 15 OROCCE MISSELLANEOUS CHANTELES COUNTY: 15 OROCCE MISSELLANEOUS CHANTELES COUNTY: 15 OROCCE MISSELLANEOUS CHANTELES CO							SHEET TOTALS		153.00	307.00	14.92	0.00	0	1	7	5	3	0	39	11		
HWY: IH 90																						
	TE DE	00 100	T NO. 40	74 00 60		HWY: IH 90		COLL	NITV.	1 4 00	OCCT			MICC	· E I I I	NIC A	116 0		'IT!!!		-	SUEET NO.

PLOT NAME : \_\_\_\_\_ ORIGINATOR : DIST \_ PLOT SCALE: 1:1 FILE NAME : \_\_ PLOT DATE : \_\_ PLOT BY : \_\_\_\_ ORG DATE : \_\_\_\_

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SHEET 3 OF 6							SIGN	637.1220 SIGNS	TYPE II	637.2215 SIGNS TYPE II REFLECTIVE H	637.2230 SIGNS TYPE II			WOOD 4X	6 INCH		634.0816 F ST 2X2	REMOVING SIGNS		SIGN MOUNTED	
SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIZE IN X IN	TYPE I SF	REFLECTIVE H SF	FOLDING SF	REFLECTIVE I	F 12 FT EACH	14 FT EACH	16 FT EACH	18 FT EACH	20 FT EACH	16 FT EACH	TYPE II EACH	SUPPORTS EACH	ON SAME POST AS	REMARKS
415R	263+90	On Ramp-Rt. Side	West Bound On ramp	R5-57	Pedestrians Etc, Prohibited		36 X 36											1	1		
416 417	263+90 264+35	On Ramp-Rt. Side On Ramp - Overhead	West Bound On ramp West Bound On ramp	R5-57 E6-1	Pedestrians Etc, Prohibited Exit Gore Sign (Overhead)	90 - WEST	36 X 36 96 X 48		9.00				1								see S-32-46 details
		·	·			Minnesota [TR]															
418 419	266+00 266+00	Left Left	West Bound On ramp West Bound On ramp	I5-1 MG6-2	Airport Symbol Arrow - TILT RIGHT OR LEFT	[TR]	30 X 30 30 X 30		6.25 6.25					1						418	
420	258+55	Overhead	West Bound On ramp		O One Destination (Arrow)	E Main St	66 X 30		13.75											410	Mastarm
421R	258+55	Overhead	West Bound On ramp	D1-1	One Destination (Arrow)	[DA] E Main St	96 X 36														Mastarm
421K	200+00	Overnead	West Bound On famp	ו-וט	One Destination (Arrow)	[DA]	90 / 30														IVIASTATTI
422R	259+65	On Ramp-Rt. Side	West Bound On ramp	W13-3	Ramp Speed _ MPH	25	48 X 60											1	2		
423 424R	259+65 260+50	On Ramp-Rt. Side Median	West Bound On ramp West Bound Off ramp	W13-3B R3-55-L	Advisory RAMP Speed w/Pretzel Loop Arrow Left Turn Lane With Down Right Arrow	25 Down Left Arrow	36 X 60 24 X 30				15.00			1				1			Light pole
425R	260+95	On Ramp-Rt. Side	,	MB3-4	West - BLUE	WEST	24 X 12											1	1		3 1
426R 427R	260+95 260+95	On Ramp-Rt. Side On Ramp-Rt. Side		M1-1 MB6-2	Interstate Shield Arrow - TILT RIGHT OR LEFT	90 [TR]	24 X 24 21 X 21											1			
428	260+95	On Ramp - Lt. Side	West Bound On ramp	D1-1	One Destination Arrow	WEST	48 X 78		26.00							2					
						90															
429	261+00	On Ramp - Lt. Side	West Bound On ramp	R5-1A	Wrong Way	[TR]	42 X 30		8.75				1								
430	260+85	On Ramp-Rt Side	West Bound On ramp	R5-57	Pedestrians Etc, Prohibited		36 X 36		9.00					1							
431R 432	260+85 261+95	On Ramp-Rt Side Median	West Bound On ramp West Bound Off ramp	R5-57 R10-7	Pedestrians Etc, Prohibited  Do Not Block Intersection		36 X 36 36 X 48		12.00									1	1		Light Pole
433	261+95	Median	West Bound Off ramp	R1-1-F	Stop (Folding)		36 X 36			7.46											Light Pole
434R	261+95	Median	West Bound Off ramp	R10-7	Do Not Block Intersection		24 X 30											1			Light Pole
435R 436	261+95 262+25	Median Right	West Bound Off ramp West Bound Off ramp	R1-1-F R3-1	Stop (Folding)  No Right Turn Symbol		36 X 36 36 X 36		9.00									1			Light Pole Traffic Signal Standard
437R	262+25	Right	West Bound Off ramp	R3-1	No Right Turn Symbol		24 X 24											1			Traffic Signal Standard
438R 439	262+25 262+25	Right Right	West Bound Off ramp West Bound Off ramp	R1-1-F R1-1-F	Stop (Folding) Stop (Folding)		36 X 36 36 X 36			7.46								1			Traffic Signal Standard Traffic Signal Standard
440R	262+26	Right	STH 16	R5-1	Do Not Enter		36 X 36			7.40								1			Traffic Signal Standard
441	262+26	Right	STH 16	R5-1	Do Not Enter		36 X 36		9.00												Traffic Signal Standard
442R 443	262+55 262+55	Right Right	STH 16 STH 16	R5-1 R5-1	Do Not Enter Do Not Enter		36 X 36 36 X 36		9.00									1			Traffic Signal Standard Traffic Signal Standard
444	262+90	Island	West Bound Off ramp	R3-1	No Right Turn Symbol		36 X 36		9.00												Traffic Signal Standard
445R 446R	262+90 262+85	Island Median	West Bound Off ramp West Bound Off ramp	R3-1 R4-7	No Right Turn Symbol Keep Right		24 X 24 24 X 30											1			Traffic Signal Standard Traffic Signal Standard
447	262+85	Median	West Bound Off ramp	R4-7	Keep Right		36 X 48		12.00												Traffic Signal Standard
448R	262+90	Island	West Bound Off ramp	W12-1-D	Double Down Arrows		24 X 24											1	1		
449 450R	262+90 262+90	Island Island	West Bound Off ramp West Bound Off ramp	W12-1-D R1-1-F	Double Down Arrows Stop (Folding)		30 X 30 36 X 36				6.25							1			Traffic Signal Standard
451R	262+90	Island	West Bound Off ramp	R6-3A	Divided Highway T Intersection		30 X 24											1			Traffic Signal Standard
452 453	262+90 262+90	Island Island	West Bound Off ramp West Bound Off ramp	R1-1-F R6-3A	Stop (Folding) Divided Highway T Intersection		36 X 36 30 X 24		5.00	7.46											Traffic Signal Standard Traffic Signal Standard
454R	263+40	Right	West Bound Off ramp	R1-1-F	Stop (Folding)		36 X 36											1			Traffic Signal Standard
455 456R	263+40 263+70	Right Overhead	West Bound Off ramp West Bound Off ramp	R1-1-F R3-5-L	Stop (Folding)  Arrow Up Left/Only	[LA]	36 X 36 42 X 48			7.46								1			Traffic Signal Standard Mastarm
456K	203+70	Overnead	West Bourid Oil famp	K3-5-L	Allow op Lewolly	ONLY	42 ∧ 40														Wastam
457	263+70	Overhead	West Bound Off ramp	R3-5-L	Arrow Up Left/Only	[LA]	42 X 48		14.00												Mastarm
458	264+40	Right		J4-2	Reassurance Assembly (2 Headed Route Panel)	ONLY EAST - ALTERNATE	72 X 54		27.00						2						
	201110	g.n		V. 2	Treaded and Feelings, (2 Treaded Reals Tailer)	16 - 90	1270														
459 460R	264+25 264+60	Median Right	West Bound Off Exit 5	R3-7L D1-52	Left Lane Must Turn Left Vehicle Registration - Drivers License, Arrow	Vehicle Registration [RA]	36 X 36 120 X 24		9.00					1					2		
460K	204+60	Right	West Bouria Oil Exit 5	D1-52	venicle Registration - Drivers License, Arrow	Driver Licensing	120 7 24														
461	265+50	Right	West Bound Off Exit 5	D1-52	Vehicle Registration - Drivers License, Arrow	Vehicle Registration [RA]	108 X 24		18.00											462	
462	265+50	Right	West Bound Off Exit 5	D1-1	One Destination (Arrow)	Driver Licensing N. Kinney Coulee Rd. [RA]	156 X 21		22.75					3							
500R	266+50	Overhead	CTH OS	MB3-2	East - BLUE	EAST	24 X 12														Removal by Others
501R 502R	266+50 266+50	Overhead Overhead	CTH OS CTH OS	M1-1 MB6-1	Interstate Shield Arrow - RIGHT, LEFT, OR AHEAD	90 [UA]	24 X 24 21 X 21														Removal by Others Removal by Others
503R	266+50	Overhead	CTH OS	MB3-4	West - BLUE	WEST	24 X 12														Removal by Others
504R	266+50	Overhead	CTH OS	M1-1	Interstate Shield	90	24 X 24														Removal by Others
505R 506R	266+50 266+50	Overhead Left	CTH OS CTH OS	MB6-2 D1-3	Arrow - TILT RIGHT OR LEFT Triple Destination/Arrow	[TR] [UA] Madison	21 X 21 84 X 36											1			Removal by Others Pole
				-		Airport [TR]															
507	268+25	Crossroad - Left	CTH OS	R1-1-F	Stop (Folding)	Minnesota [TR]	36 X 36			7.46											Traffic Signal Standard
508R	268+25	Crossroad - Left	CTH OS	R1-1-F	Stop (Folding)		36 X 36											1			Traffic Signal Standard
509 510	268+60	Island	CTH OS	R1-1-F	Stop (Folding)		36 X 36		 5.00	7.46											Traffic Signal Standard
510 511R	268+60 268+60	Island Island	CTH OS CTH OS	R6-3 R1-1-F	Divided Highway Crossing Sign and Intersection Stop (Folding)		30 X 24 36 X 36		5.00									1			Traffic Signal Standard Traffic Signal Standard
512R	268+60	Island	CTH OS	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24											1			Traffic Signal Standard
513	268+40	Crossroad	CTH OS	J12-1	Route Turn w/o Cardinal (1 Headed Route Panel)	16 [DBA]	24 X 45		7.50 												Light Pole at CTH OS and Ma
								-			•		*								
						SHEET TOTALS		32.00	247.25	44.76	21.25	1	2	7	2	2	0	26	8		
					HWY: IH 90																

3

FILE NAME : \_\_ PLOT DATE : \_\_ PLOT BY : \_\_ PLOT NAME : \_\_ ORIGINATOR : DIST \_ PLOT SCALE: 1:1 ORG DATE : \_\_\_\_

PERMANE SHEET 4 OF	NT SIGNING 6							637.1220 SIGNS		637.2215 SIGNS TYPE II	637.2230 SIGNS	634.0612				634.0620		638.2602 REMOVING	SMALL	CIONING	
SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE IN X IN	SIGNS TYPE I SF	TYPE II REFLECTIVE H SF	REFLECTIVE F FOLDING SF	I TYPE II REFLECTIVE I SF	12 FT EACH	POSTS 14 FT EACH	16 FT EACH	6 INCH 18 FT EACH	20 FT EACH	ST 2X2 16 FT EACH	SIGNS TYPE II EACH	SIGN SUPPORTS EACH	SIGN MOUNTE ON SAME POST AS	D REMARKS
514R	268+40	Crossroad	CTH OS	M1-6	State Route Marker	16	24 X 24											1		FUSTAS	Light Pole at CTH OS and Market P
515R 516	268+40 268+10	Crossroad Left	CTH OS CTH OS	M6-4 R6-2L	Directional Arrows Left - Right One Way LEFT Arrow	[DBA]	21 X 21 36 X 48		12.00					 1				1			Light Pole at CTH OS and Market F
517R	265+75	Right	CTH OS	MB4-1	Alternate		24 X 12											1	1		
518R	265+75	Right	CTH OS	M1-1	Interstate Shield	90	24 X 24											1			
519R 520	265+75 266+00	Right Right	CTH OS CTH OS	MB6-1 R5-1A	Arrow - RIGHT, LEFT, OR AHEAD Wrong Way	[UA]	21 X 21 42 X 30		8.75				1					1			
521R	268+20	Median	CTH OS	R1-1-F	Stop (Folding)		36 X 36											1			Traffic Signal Standard
522R	268+20	Right	CTH OS	R1-1-F	Stop (Folding)		36 X 36			7.40								1			Traffic Signal Standard
523 524	268+20 268+20	Median Right	CTH OS CTH OS	R1-1-F R1-1-F	Stop (Folding) Stop (Folding)		36 X 36 36 X 36			7.46 7.46											Traffic Signal Standard Traffic Signal Standard
525	268+20	Right	CTH OS	R5-1	Do Not Enter		36 X 36		9.00												Traffic Signal Standard
526R 527	268+20 268+20	Right Median	CTH OS CTH OS	R5-1 R4-7	Do Not Enter Keep Right		36 X 36 36 X 48		12.00									1			Traffic Signal Standard Traffic Signal Standard
528R	268+20	Median	CTH OS	R4-7	Keep Right		24 X 30											1			Traffic Signal Standard
529	269+10	Left Median	CTH OS	R4-7	Keep Right		36 X 48		12.00												Traffic Signal Standard
530R 531	269+10 269+10	Left Median Crossroad	CTH OS CTH OS	R4-7 R1-1-F	Keep Right Stop (Folding)		24 X 30 36 X 36			7.46								1			Traffic Signal Standard Traffic Signal Standard
532R	269+10	Crossroad	CTH OS	R1-1-F	Stop (Folding)		36 X 36											1			Traffic Signal Standard
533R	268+95	Crossroad	CTH OS	R3-50L	Left Only	[LA]	36 X 30											1			Mastarm
534R	268+85	Crossroad	CTH OS	R3-60L	Left, Ahead	ONLY [LEFT/AHEAD]	36 X 30											1			Mastarm
535R	268+75	Crossroad	CTH OS	R3-50A	Ahead Only	[AHEAD]	36 X 30											1			Mastarm
536R	268+65	Crossroad	CTH OS	R3-50R	Right Only	ONLY	30 X 36														Mootorm
330K	200+00	Crossroad	CIROS	K3-50K	Right Only	[RA] ONLY	30 7 30														Mastarm
537	268+95	Crossroad	CTH OS	R3-50L	Left Only	[LA]	36 X 30		7.50												Mastarm
538	268+85	Crossroad	CTH OS	R3-60L	Left, Ahead	ONLY [LEFT/AHEAD]	36 X 30		7.50												Mastarm
539	268+75	Crossroad	CTH OS	R3-50A	Ahead Only	[AHEAD]	36 X 30		7.50												Mastarm
- F.10	000.05	0	0711.00	D0 50D	Pist Oct	ONLY	00 1/ 00		7.50												Mantaga
540	268+65	Crossroad	CTH OS	R3-50R	Right Only	[RA] ONLY	30 X 36		7.50 												Mastarm
541R	269+65	Crossroad		R5-1	Do Not Enter		36 X 36											1			Traffic Signal Standard
542	269+65	Crossroad	0711.00	R5-1	Do Not Enter		36 X 36		9.00												Traffic Signal Standard
543R 544	269+65 269+65	Left Left	CTH OS CTH OS	R1-1-F R1-1-F	Stop (Folding) Stop (Folding)		36 X 36 36 X 36			7.46											Traffic Signal Standard Traffic Signal Standard
545	271+85	Left		R5-1A	Wrong Way		42 X 30		8.75				1								· ·
546	271+85	Left		I-55-56	Adopt-A-Highway [Sponsor]	McDonald's of	30 X 36		7.50											545	
						Onalaska															
547R 548R	273+00 273+00	Left Left		R5-1A I55-56	Wrong Way	McDonald's	36 X 24 30 X 36											1	1		
340K	2/3+00	Leit		155-56	Adopt-A-Highway [Sponsor]	of	30 7 30														
						Onalaska															
549 550R	268+95 268+95	Right Median Right Median	N. Kinney Coulee Rd N. Kinney Coulee Rd	R4-7 R4-7	Keep Right Keep Right		36 X 48 24 X 30		12.00									1			Traffic Signal Standard Traffic Signal Standard
551R	268+95	Right Median	N. Kinney Coulee Rd	R1-1-F	Stop (Folding)		36 X 36											1			Traffic Signal Standard
552	268+95	Right Median	N. Kinney Coulee Rd	R1-1-F	Stop (Folding)		36 X 36			7.46											Traffic Signal Standard
553 554	269+70 269+70	Median Median	CTH OS CTH OS	R3-4 R4-7	No U-Turn Keep Right		36 X 36 36 X 48		9.00												Traffic Signal Standard Traffic Signal Standard
555R	269+70	Median	CTH OS	R4-7	Keep Right		24 X 30											1			Traffic Signal Standard
556R	269+70	Median	CTH OS	R1-1-F	Stop (Folding)		36 X 36			7.40								1			Traffic Signal Standard
557 558R	269+70 269+50	Median Right	CTH OS N. Kinney Coulee Rd	R1-1-F R6-2-L	Stop (Folding) One Way LEFT Arrow		36 X 36 24 X 30			7.46 								1			Traffic Signal Standard Traffic Signal Standard
559	269+53	Right	N. Kinney Coulee Rd	R6-2-L	One Way LEFT Arrow		36 X 48		12.00					1							<u>-</u>
560R 561R	269+50 269+50	Right Right	N. Kinney Coulee Rd N. Kinney Coulee Rd	R1-1-F R6-3	Stop (Folding) Divided Highway Crossing Sign and Intersection		36 X 36 30 X 24											1			Traffic Signal Standard Traffic Signal Standard
561R 562	269+50 269+50	Right Right	N. Kinney Coulee Rd	R1-1-F	Stop (Folding)		30 X 24 36 X 36			7.46											Traffic Signal Standard
563	269+50	Right	N. Kinney Coulee Rd	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24		5.00												Traffic Signal Standard
564	270+40	Right		J4-2	Reassurance Assembly (2 Headed Route Panel)	EAST - ALTERNATE 16 - 90	72 X 54		27.00						2						
565R	271+00	Right		R2-1	Speed Limit _ MPH	45	24 X 30											1	1		
566	272+40	Right		R2-1	Speed Limit _ MPH	45	36 X 48		12.00					1							
567R 568R	273+00 273+00	Right Right		M3-2 M1-6	EAST Cardinal Route Marker State Route Marker	EAST 16	24 X 12 24 X 24											1 1	1		
569R	273+00	Right		I-55-56	Adopt-A-Highway [Sponsor]	Servpro of	30 X 36											1	1		
						LaCrosse County															
600	273+25	Left		D1-1	One Destination (Arrow)	E Main St [RA]	96 X 21		14.00				2								
601R	274+50	Left		D1-52	Vehicle Registration - Drivers License, Arrow	[LA] Vehicle Registration	120 X 24											1	2		
602	275+00	Left		W3-3	Signal Ahead	Driver Licensing	36 X 36				9.00			1							
603	275+00	Median		W3-3	Signal Ahead		36 X 36				9.00			1							
						SHEET TOTALS		0.00	212.00	52.22	18.00	0	4	5	2	0	0	31	7		
						GILLI IOIALS		0.00	Z 1Z.UU	JL.ZZ	10.00	U	4	J		U	U	JI			
	DO:==	T NA '	074 00 00		HWY: IH 90		100	177		000=			14100		NIE 6						LIFET NO
IAIE F	KOJEC	71 NO: 1	071-08-62		nwi. In 90		COU	N I Y:	LA CR	USSE			MISC	<u>ELL</u>	<b>NEO</b>	US Q	UAN1	TITIES	<u> </u>	s	HEET NO:
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3

Ε PLOT NAME : \_\_\_ FILE NAME : \_\_\_ PLOT DATE : \_\_\_ PLOT BY : \_\_\_ ORIGINATOR : DIST \_ PLOT SCALE: 1:1 ORG DATE : \_\_\_\_

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PERMANENT SHEET 5 OF 6									007.0010	637.2215	007.0000								638.3000		
								637.1220	637.2210 SIGNS	SIGNS TYPE II	637.2230 SIGNS	634.0612		634.0616		634.0620				0.01.11	
SIGN	APPROX.			SIGN			SIGN SIZE	SIGNS TYPE I	TYPE II REFLECTIVE H	REFLECTIVE H FOLDING	TYPE II REFLECTIVE F	12 FT	POSTS 14 FT	16 FT	18 FT	20 FT	ST 2X2 16 FT	SIGNS TYPE II	SIGN SUPPORTS	SIGN MOUNTED ON SAME	)
NUMBER 604R	STATION 275+25	POSITION Left	SITE ID	CODE MB2-1	SIGN DESCRIPTION  JCT - BLUE	ORDER LINES	IN X IN 21 X 15	SF 	SF 	SF 	SF 	EACH 	EACH 	EACH 	EACH 	EACH 	EACH 	EACH 1	EACH 1	POST AS	REMARKS
605R	275+25	Left		M1-1	Interstate Shield	90	24 X 24											1			
	276+25 276+75	Left Left		W3-3 J1-1	Signal Ahead Junction or End Assembly	JCT	36 X 36 36 X 57		 14.25									1	1		
	270+73	Len		31-1	Junction of End Assembly	90	30 × 37														
	277+50 277+50	Left Left		R2-1 R2-1	Speed Limit _ MPH Speed Limit _ MPH	45 45	36 X 48 24 X 30		12.00					1				1			
610	278+50	Median	LaCrosse Country Club	R4-7	Keep Right	43	36 X 48		12.00												Light Pole
	278+50 278+84	Median Crossroad	LaCrosse Country Club LaCrosse Country Club	R4-7 R1-1	Keep Right Stop		24 X 30 36 X 36		7.46					 1				1			Light Pole
	278+84	Crossroad	LaCrosse Country Club	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24		5.00											612	
	278+84 278+84	Crossroad Crossroad	LaCrosse Country Club LaCrosse Country Club	R1-1 R6-3	Stop Divided Highway Crossing Sign and Intersection		36 X 36 30 X 24											1	1		
	278+84	Crossroad	Edolosse obdinity olds	R6-1L	One Way LEFT Arrow		36 X 12		3.00											612	
	273+25 273+25	Median Median		D1-1 D1-52	One Destination (Arrow)  Vehicle Registration - Drivers License, Arrow	[LA] N Kinney Coulee Rd [LA] Vehicle Registration	156 X 21 108 X 24		22.75 18.00					3						617	
010	273+23	Wedian		D1-32	venicle Registration - Drivers Eldense, Artow	Driver Licensing	100 / 24													017	
619	274+00	Right		I-55-56	Adopt-A-Highway [Sponsor]	Servpro of LaCrosse	30 X 36		7.50				1								
						County															
	275+75	Right		R5-1A	Wrong Way	55	42 X 30		8.75				1								
	277+50 277+80	Right Right		R2-1 R2-1	Speed Limit _ MPH Speed Limit _ MPH	55 55	36 X 48 24 X 30		12.00									1	1		
623R	277+80	Right	Gander MTN	R5-1 R5-1	Do Not Enter		36 X 36											1			
	277+80 279+00	Right Right	Gander MTN	R5-1 R4-7	Do Not Enter Keep Right		36 X 36 24 X 30		9.00									1	1		
626	279+00	Right		R4-7 R4-7	Keep Right		36 X 48		12.00					1							Light Dolo
627R 628	279+55 279+55	Median Median		R4-7 R4-7	Keep Right Keep Right		24 X 30 36 X 48		12.00									1			Light Pole Light Pole
629	279+00	Right		R1-1	Stop		36 X 36		7.46											626	
630 631R	279+00 280+15	Right Left		R6-3 R5-1	Divided Highway Crossing Sign and Intersection  Do Not Enter		30 X 24 36 X 36		5.00									1	1	626	
632	280+15	Left		R5-1	Do Not Enter		36 X 36		9.00				1								
633 634	282+15 279+53	Left Right		R5-1A R5-1	Wrong Way Do Not Enter		42 X 30 36 X 36		8.75 9.00				1								
635	279+50	Right		R6-1L	One Way LEFT Arrow		36 X 12		3.00											638	
636R 637R	279+50 279+50	Right Right		R1-1 R6-3	Stop Divided Highway Crossing Sign and Intersection		30 X 30 30 X 24											1 1	1		
638	279+50	Right		R1-1	Stop		36 X 36		7.46				1								
639 640	279+50 280+75	Right Right		R6-3 J4-2	Divided Highway Crossing Sign and Intersection Reassurance Assembly (2 Headed Route Panel)	EAST - ALTERNATE	30 X 24 72 X 54		5.00 27.00					2						638	
						16 - 90															
	281+20 281+20	Right Right		W11-3 W57-51	Deer Crossing Symbol Next _ Miles	2	24 X 24 24 X 12											1 1	1		
700R	283+53	Right		D2-2	Destination/Distance (Two) with Die Cut Letters	West Salem 5												1	2		
701	283+53	Right		D2-2	Destination/Distance (Two) with Die Cut Letters	Sparta 19 West Salem 5	114 X 36	 S	28.50				2								
						Sparta 20															
702 703R	284+12 284+12	Left Left		W3-5 W3-5	Speed Limit _ Ahead [Arrow] Speed Limit _ Ahead [Arrow]	45 45	36 X 36 36 X 36				9.00			1				1	1		
704R	287+00	Right		M3-2	EAST Cardinal Route Marker	EAST	24 X 12											1	1		
705R 800	287+00 290+50	Right Median		M1-6 D1-1	State Route Marker One Destination (Arrow)	16 [LA] French Rd	24 X 24 96 X 21		14.00				2					1			
801	290+50	Right		D1-1	One Destination (Arrow)	Oak Dr [RA]	78 X 21		11.38				2								
802 803	295+50 297+50	Right Right	Oak Dr	R5-1A R5-1	Wrong Way Do Not Enter		42 X 30 36 X 36		8.75 9.00				1 1								
804R	297+50	Right	Oak Dr	R5-1	Do Not Enter		36 X 36											1	1		
805 806R	298+00 298+00	Median Median	French Rd French Rd	R4-7 R4-7	Keep Right Keep Right		36 X 48 24 X 30		12.00					1 				1	 1		
807	298+25	Crossroad	French Rd	R1-1	Stop		36 X 36		7.46				1								
808 809R	298+25 298+25	Crossroad Crossroad	French Rd French Rd	R6-3 R1-1	Divided Highway Crossing Sign and Intersection Stop		30 X 24 30 X 30		5.00									1	1	807	
810R	298+25	Crossroad	French Rd	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24											1			
811 812	298+25 299+30	Crossroad Left	French Rd French Rd	R6-1L R5-1	One Way LEFT Arrow Do Not Enter		36 X 12 36 X 36		3.00 9.00				 1							807	
813R	299+30	Left	French Rd	R5-1	Do Not Enter		30 X 30											1	1		
814 815R	298+40 298+40	Right Right	Oak Dr Oak Dr	R6-1L R1-1	One Way LEFT Arrow Stop		36 X 12 36 X 36		3.00									1	 1	817	
816R	298+40 298+40	Right	Oak Dr	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24											1			
817	298+40	Right	Oak Dr	R1-1	Stop		36 X 36		7.46				1							047	
818 819R	298+40 298+65	Right Median	Oak Dr Oak Dr	R6-3 R4-7	Divided Highway Crossing Sign and Intersection Keep Right		30 X 24 24 X 30		5.00									1	1	817	
820	298+65	Median	Oak Dr	R4-7	Keep Right		36 X 48		12.00					1							
900 901	301+25 303+00	Left Median		R5-1A D1-1	Wrong Way One Destination (Arrow)	[LA] Emerald Dr E	42 X 30 114 X 21		8.75 16.63				2								
					· ·					0.00	0.00		20	4.4	^	^	^	20	40		
						SHEET TOTALS		0.00	398.31	0.00	9.00	0	20	14	0	0	0	28	19		
					1040/ 11100		Ι.									_					
TATE PRO	<b>JECT</b>	NO: 10	71-08-62		HWY: IH 90		COUN	NTY:	LA CRO	SSE		] [	MISCI	ELLAN	NEOL	JS QL	JANTI	TIES		SI	HEET NO:

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EET 6 OF 6							SIGN	637.1220 SIGNS	TYPE II	637.2215 SIGNS TYPE II REFLECTIVE H	637.2230 SIGNS TYPE II		POSTS	WOOD 4X6	INCH .		ST 2X2	REMOVING SIGNS	SIGN	SIGN MOUNTED	
SIGN JMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIZE IN X IN	TYPE I SF	REFLECTIVE H SF	FOLDING SF	REFLECTIVE F	12 FT EACH	14 FT EACH	16 FT EACH	18 FT EACH	20 FT EACH	16 FT EACH	TYPE II EACH	SUPPORTS EACH	ON SAME POST AS	REMARKS
02	303+00	Right	0.12.15	D1-1	One Destination (Arrow)	Landfill Rd [RA]	102 X 21		14.88				2								
03	306+00	Left		D1-1	One Destination (Arrow)	French Rd [RA]	96 X 21		14.00				2								
04	306+00	Median		D1-1	One Destination (Arrow)	[RA] Oak Dr	78 X 21		11.38				2								
000	309+90	Median	Emerald Dr	R4-7	Keep Right		36 X 48		12.00					1							
01R	309+90	Median	Emerald Dr	R4-7	Keep Right		24 X 30											1	1		
02R	310+50	Left	Emerald Dr	R6-2-L	One Way LEFT Arrow		24 X 30											1	1		
003	310+60	Crossroad	Emerald Dr	R1-1	Stop		36 X 36		7.46					1							
004	310+60	Crossroad	Emerald Dr	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24		5.00											1003	
005R	310+60	Crossroad	Emerald Dr	R1-1	Stop		30 X 30											1			
006R	310+60	Crossroad	Emerald Dr	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24		12.00									1	1	1028	
007 008R	311+05	Crossroad	Emerald Dr	R4-7	Keep Right		36 X 48		12.00										1	1028	
008K 009R	311+05 311+05	Crossroad Crossroad	Emerald Dr Emerald Dr	R4-7 R4-7	Keep Right Keep Right		24 X 30 24 X 30											1	1		
010	311+05	Crossroad	Emerald Dr	R4-7 R4-7	Keep Right		24 X 30		5.00				1								
010	310+60	Crossroad	Emerald Dr	R6-1L	One Way LEFT Arrow		36 X 12		3.00											1003	
012	308+00	Right	Landfill Rd	R5-1A	Wrong Way		42 X 30		8.75				1							.500	
13R	308+48	Median	Landfill Rd	R3-56	Left Turn Lane with Down LEFT Arrow		24 X 30											1	1		
014	308+48	Median	Landfill Rd	R3-20LL	Begin Left Turn Lane with Down LEFT Arrow		36 X 54		13.50					1							
)15R	310+10	Right	Landfill Rd	N/A	Unknown Sign													1			Unknown sign to be removed
016R	310+10	Right	Landfill Rd	R5-1	Do Not Enter		30 X 30											1	1		-
017	310+10	Right	Landfill Rd	R5-1	Do Not Enter		36 X 36		9.00				1								
018	311+08	Median	Landfill Rd	R1-1	Stop		36 X 36		7.46					1							
019	311+08	Median	Landfill Rd	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24		5.00											1018	
020	311+40	Island	Landfill Rd	R1-1	Stop		36 X 36		7.46					1							
021	311+40	Island	Landfill Rd	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24		5.00											1020	
22R	311+08	Median	Landfill Rd	R1-1	Stop		30 X 30											1	1		
023R	311+08	Median	Landfill Rd	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24											1			
024R	311+40	Island	Landfill Rd	R1-1	Stop		30 X 30											1	1		
025R	311+40	Island	Landfill Rd	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24											1			
026R	311+05	Crossroad	Emerald Dr	R1-1	Stop		30 X 30											1	1		
027R	311+05	Crossroad	Emerald Dr	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24											1			
028	311+05	Crossroad	Emerald Dr	R1-1	Stop		36 X 36		7.46					1						1000	
029	311+05	Crossroad	Emerald Dr	R6-3	Divided Highway Crossing Sign and Intersection		30 X 24		5.00											1028	
030 )31R	312+00 312+00	Left Left	Emerald Dr Emerald Dr	R5-1 R5-1	Do Not Enter Do Not Enter		36 X 36 36 X 36		9.00				1								
032	313+50	Island	Emerald Dr	R3-20LL	Begin Left Turn Lane with Down LEFT Arrow		36 X 54		13.50					1							
032 )33R	313+50	Island	Emerald Dr	R3-20LL R3-56	Left Turn Lane with Down LEFT Arrow		24 X 30		13.50									1	1		
034	314+00	Left	Emerald Dr	R5-1A	Wrong Way		42 X 30		8.75				1					I	I 		
035	315+15	Left	Emerald Dr	D1-1	One Destination (Arrow)	Emerald Dr E [RA]	114 X 21		16.63				2								
036	311+40	Island	Landfill Rd	R6-1L	One Way LEFT Arrow	2 5. 3. 4 E [10 q	36 X 12		3.00											1020	
)37R	311+70	Right	Landfill Rd	R1-1	Stop		30 X 30											1	1	.020	
038	311+70	Right	Landfill Rd	R1-1	Stop		36 X 36		7.46					1							
039R	311+40	Island	Landfill Rd	R6-2-L	One Way LEFT Arrow		24 X 30											1			
040R	311+75	Median	Landfill Rd	R4-7	Keep Right		24 X 30											1	1		
041	311+75	Median	Landfill Rd	R4-7	Keep Right		36 X 48		12.00					1							
)42R	312+04	Right	Landfill Rd	W6-1	Divided Highway Ahead Symbol		36 X 36											1	1		
043	312+04	Right	Landfill Rd	W6-1	Divided Highway Ahead Symbol		36 X 36				9.00			1							
044	315+15	Median	Landfill Rd	D1-1	One Destination (Arrow)	[LA] Landfill Rd	102 X 21		14.88				2								
						SHEET TOTALS		0.00	238.57	0.00	9.00	0	15	10	0	0	0	21	15		
						PROJECT TOTALS		321.00	1616.13	141.74	69.75	3	47	46	13	5	2	183	75		

JOINT AND CRACK CLEANING AND FILLING SPV.0170.01 LOCATION STA REMARKS CATEGORY STATION TO STATION 37 0010 234+30 - 271+00 EB 234+30 - 271+00 WB 37

TOTAL 0010

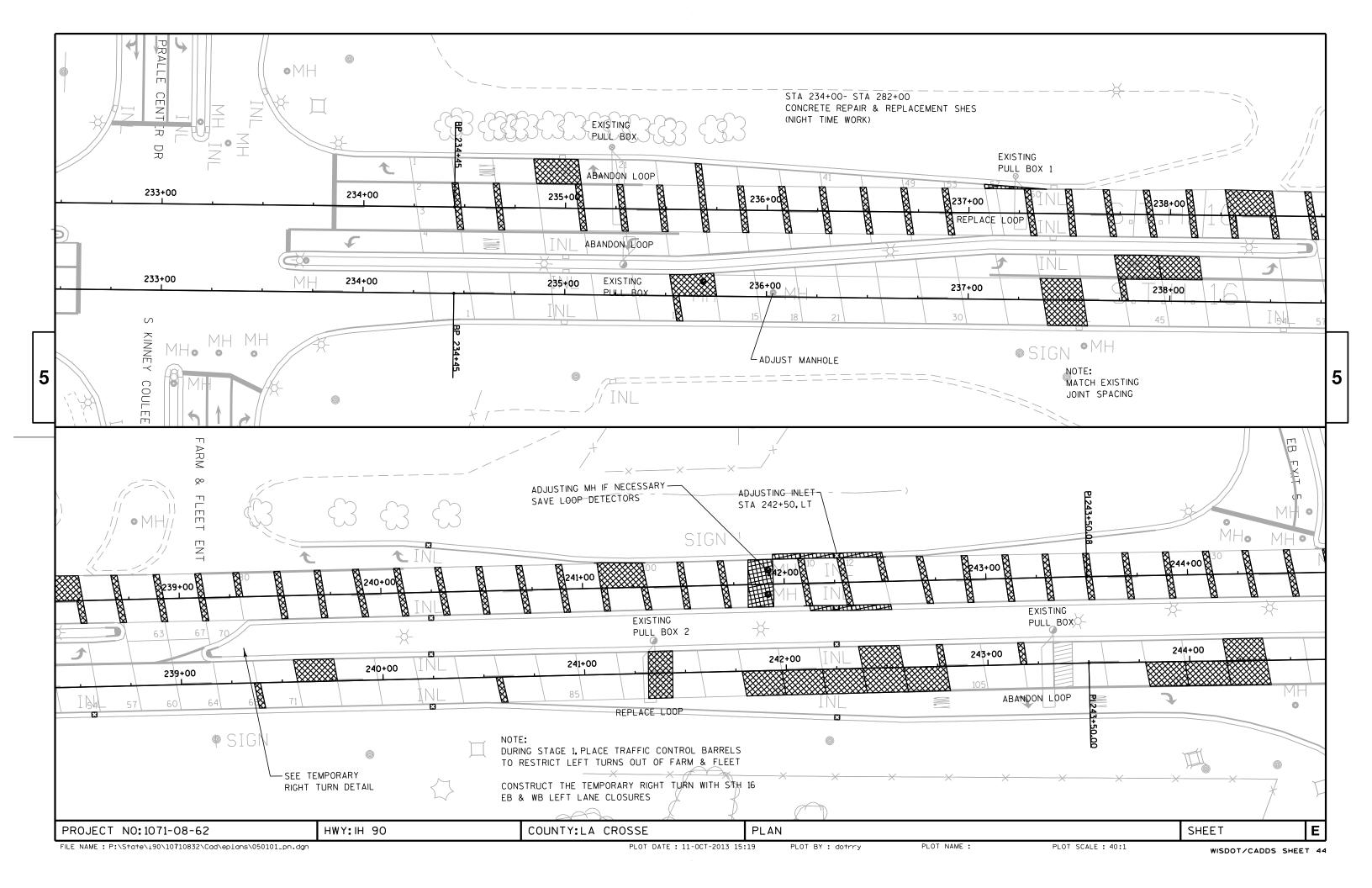
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**CONSTRUCTION STAKING** RESURFACING REFERENCE 650.8000

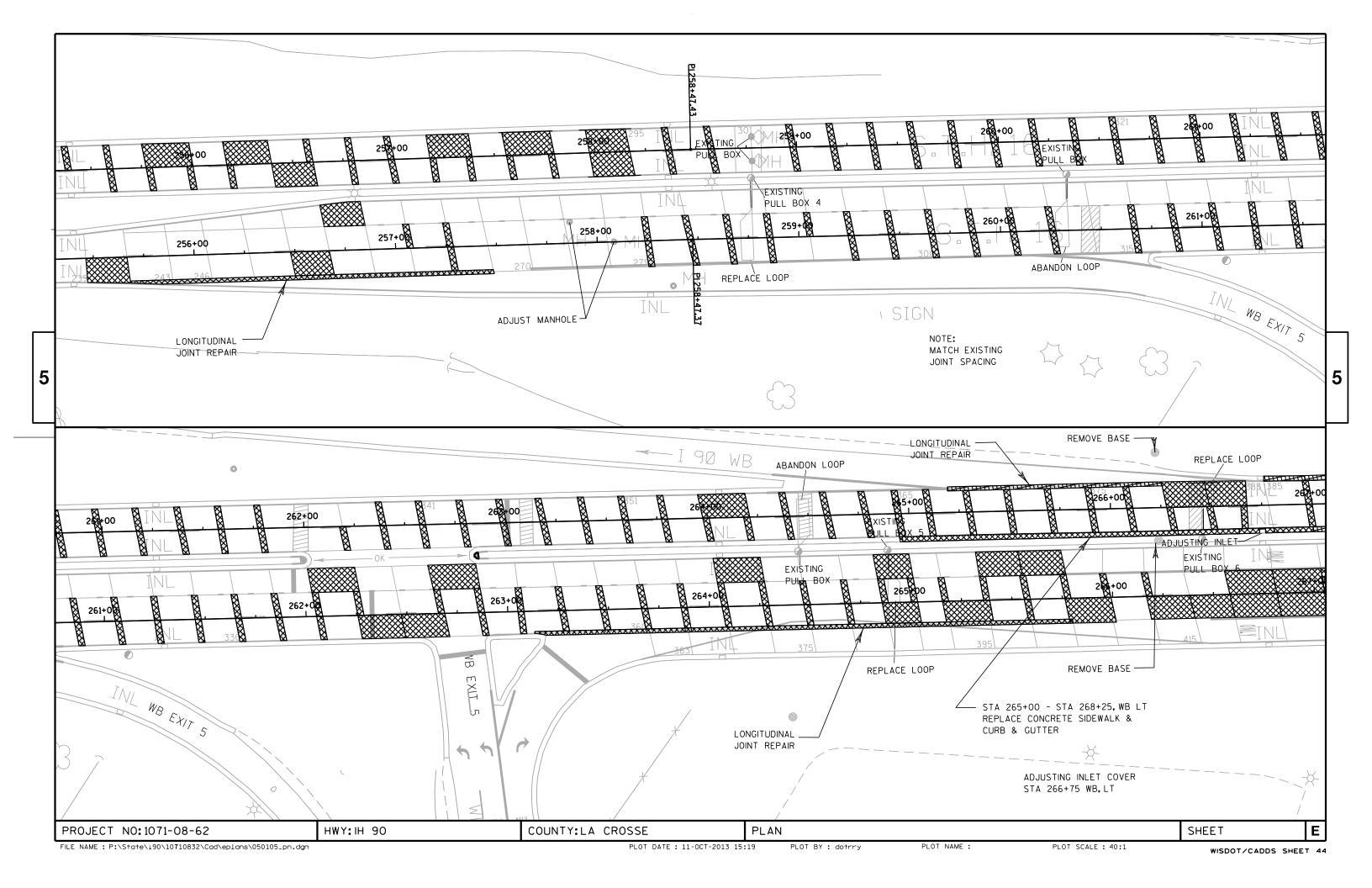
CATEGORY	STATION TO STATION	LOCATION	LF	REMARKS
0010	234+30 - 312+00	EB	7800	
0010	234+30 - 312+00	WB	7800	
		TOTAL 0010	15600	

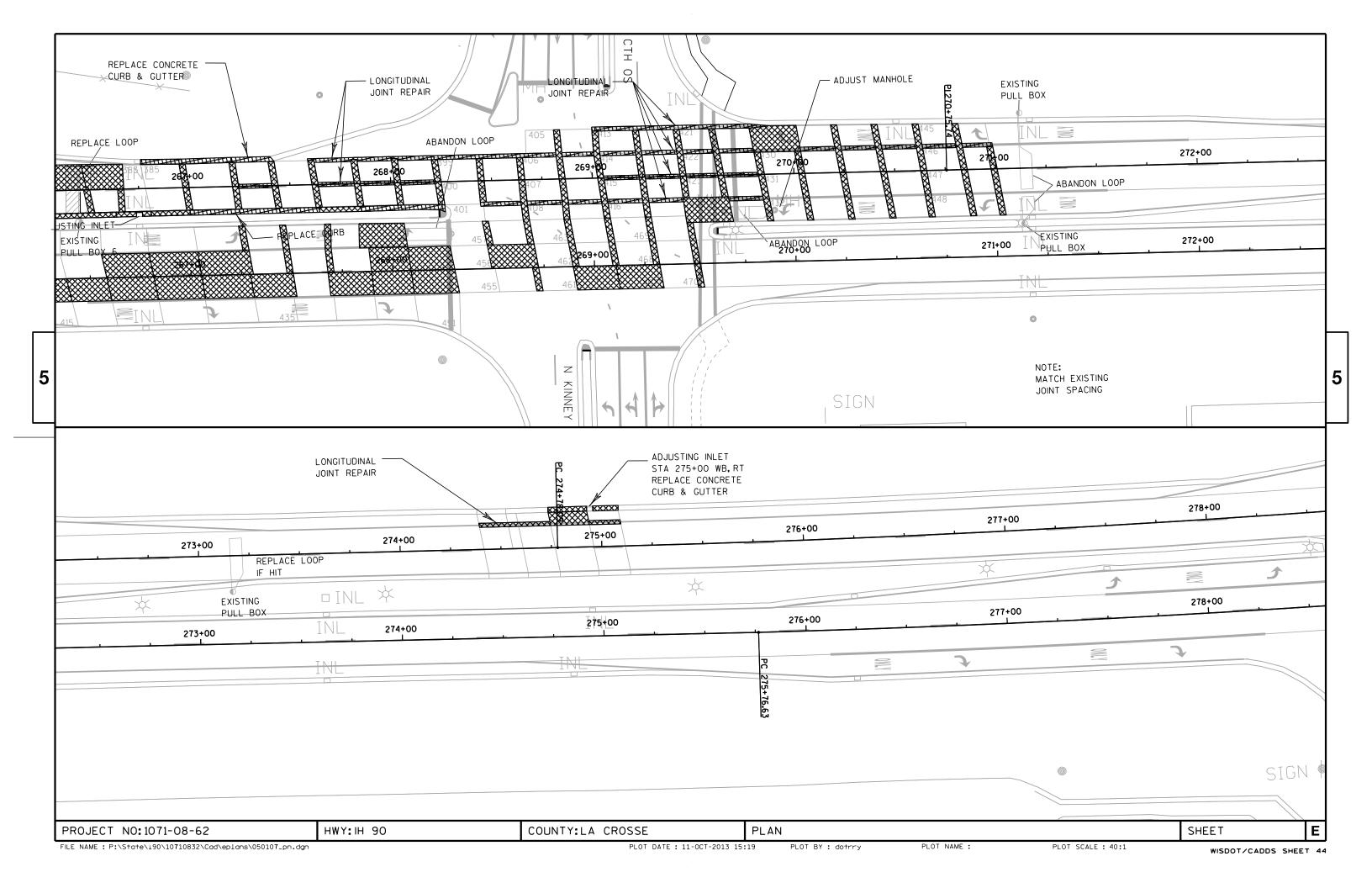
HWY: IH 90 Ε **STATE PROJECT NO: 1071-08-62 COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET NO:** 

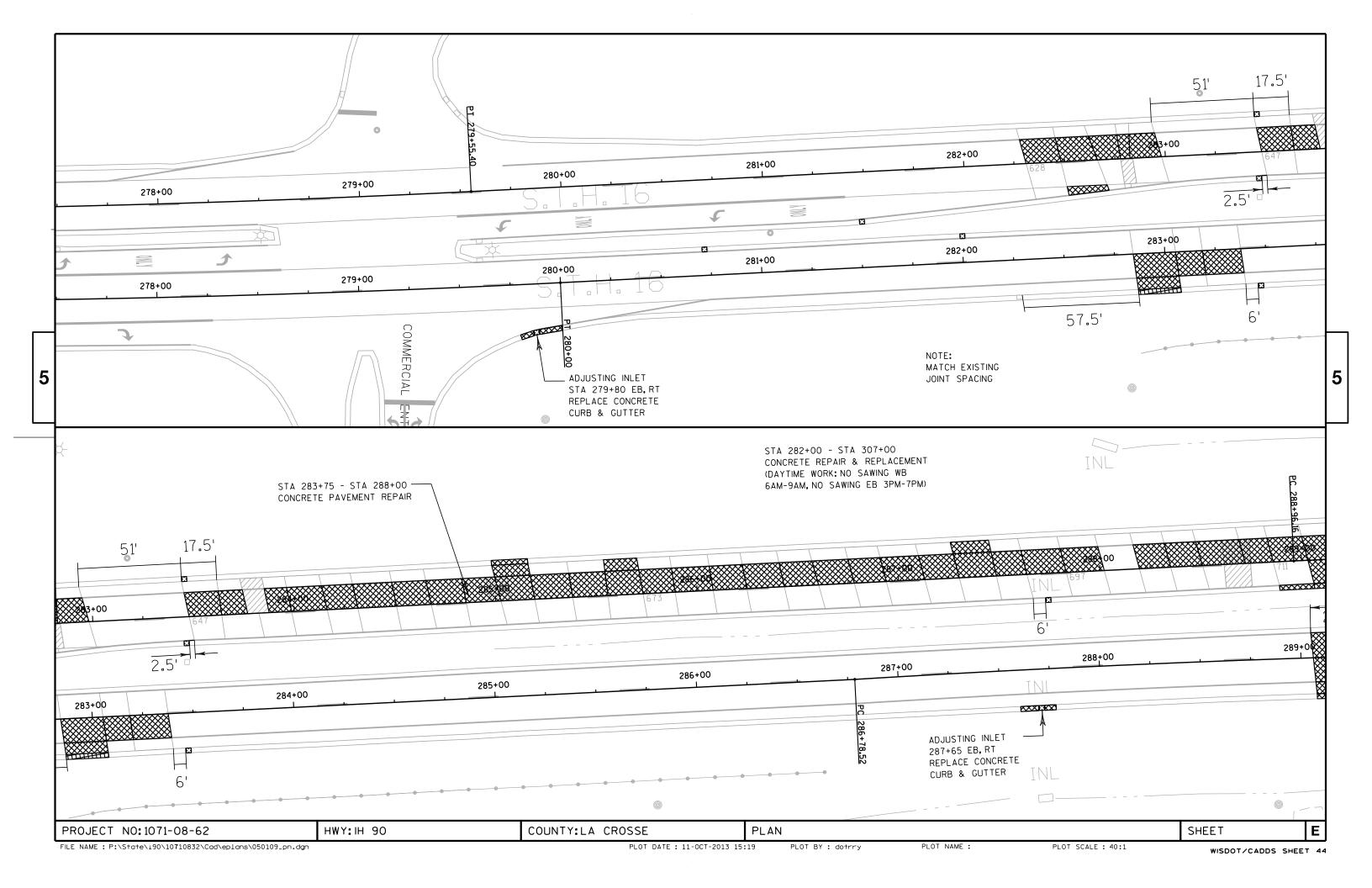
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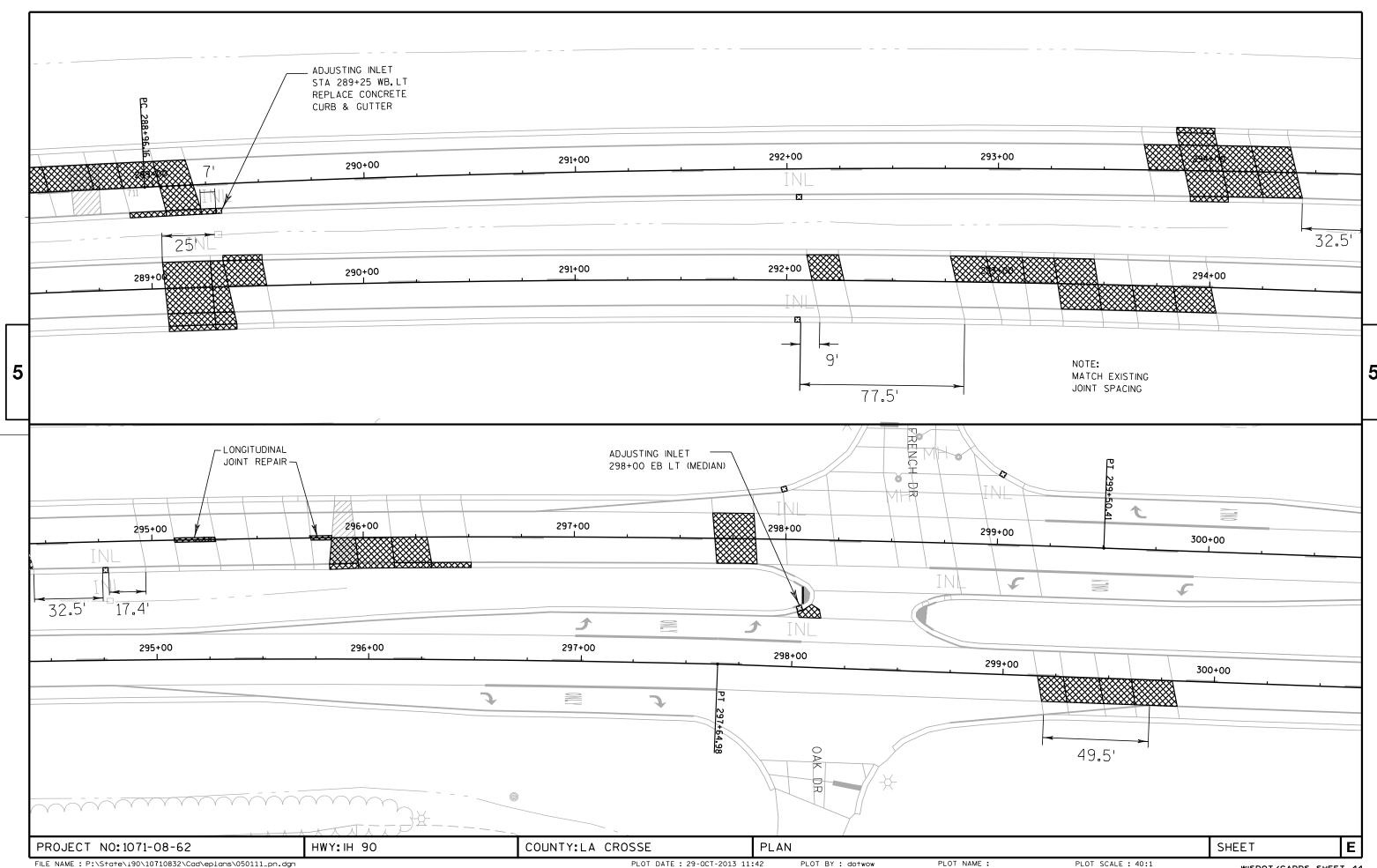


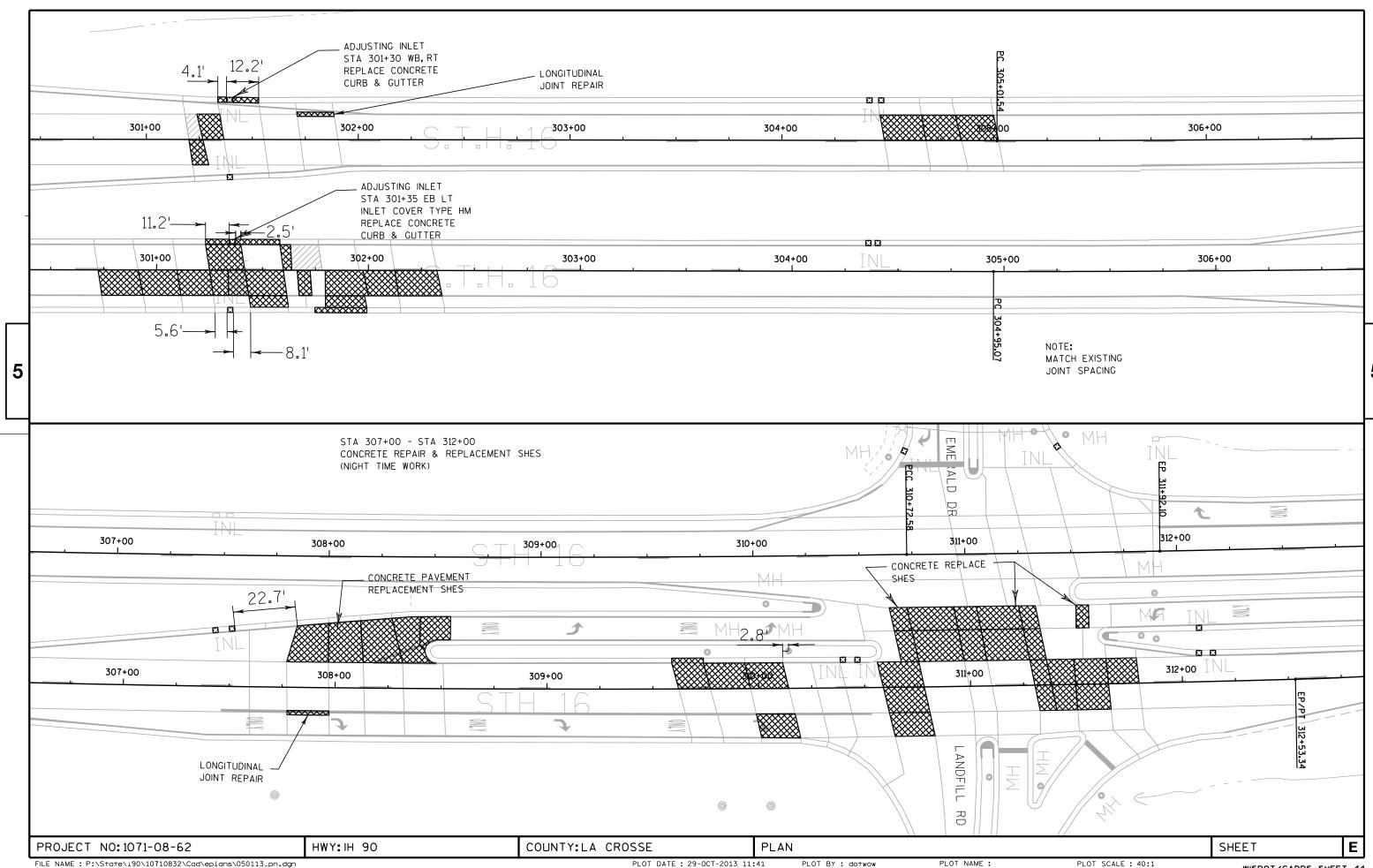












## Standard Detail Drawing List

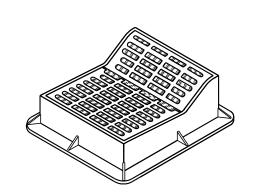
08A05-18C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09F14-02	LOOP DETECTOR INSTALLED IN NEW CONCRETE PAVEMENT ROUND CSCP PULL BOX 45 DEGREE ELBOWS TO PULL BOX
09F15-03A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13C09-10A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-10B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-10C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C14-04A	BASE PATCHING CONCRETE
13C14-04B	BASE PATCHING CONCRETE
13C14-04C	BASE PATCHING CONCRETE
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANÉ)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C25-02	42" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D16-02	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D21-02	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

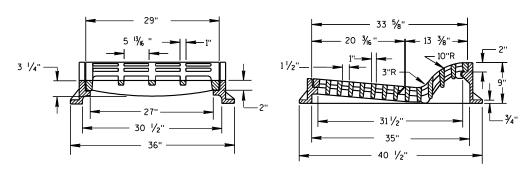
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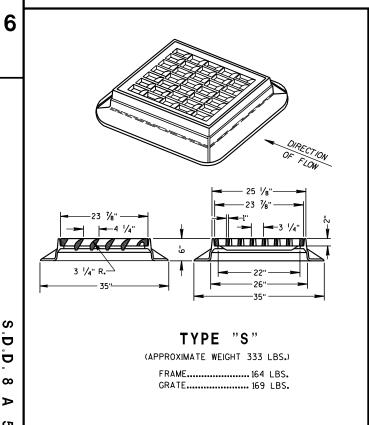


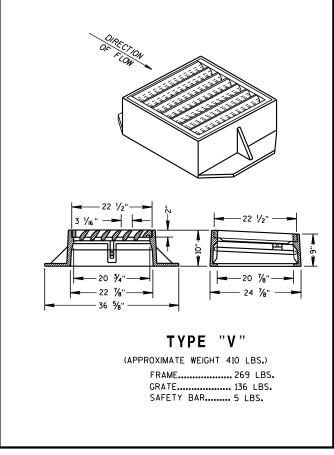
### TYPE "F"

(APPROXIMATE WEIGHT 644 LBS.)

FRAME......302 LBS. GRATE......160 LBS. GRATE...... 182 LBS.

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



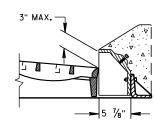


### **GENERAL NOTES**

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.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR FOUIVALENT CAPACITY AND STRENGTH.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF

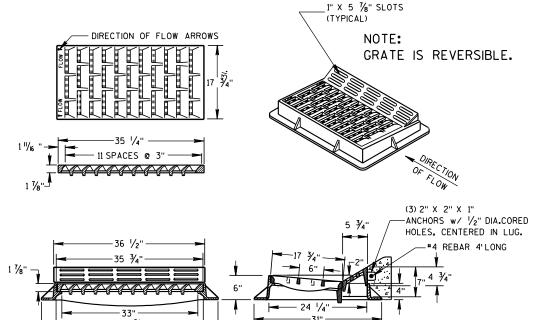


### ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

(APPROXIMATE WEIGHT CURB BOX 68 LBS.)

USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

> NOTE: SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE



### TYPE "HM"

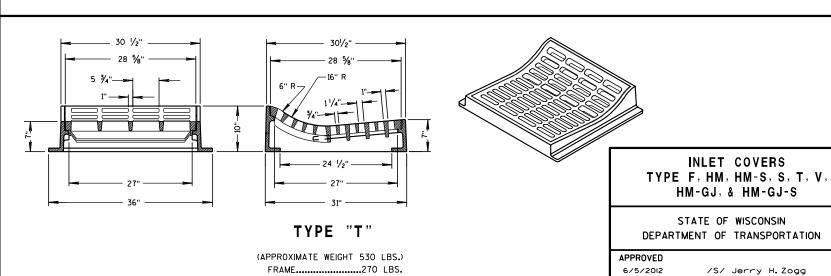
(APPROXIMATE WEIGHT 414 LBS.) FRAME...... 181 LBS. .....159 LBS. GRATE... CURB BOX..... 74 LBS.

NOTE: SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM" COVER NOTED AS TYPE HM-S ON DRAINAGE TABLE

ROADWAY STANDARDS DEVELOPMENT ENGINEER

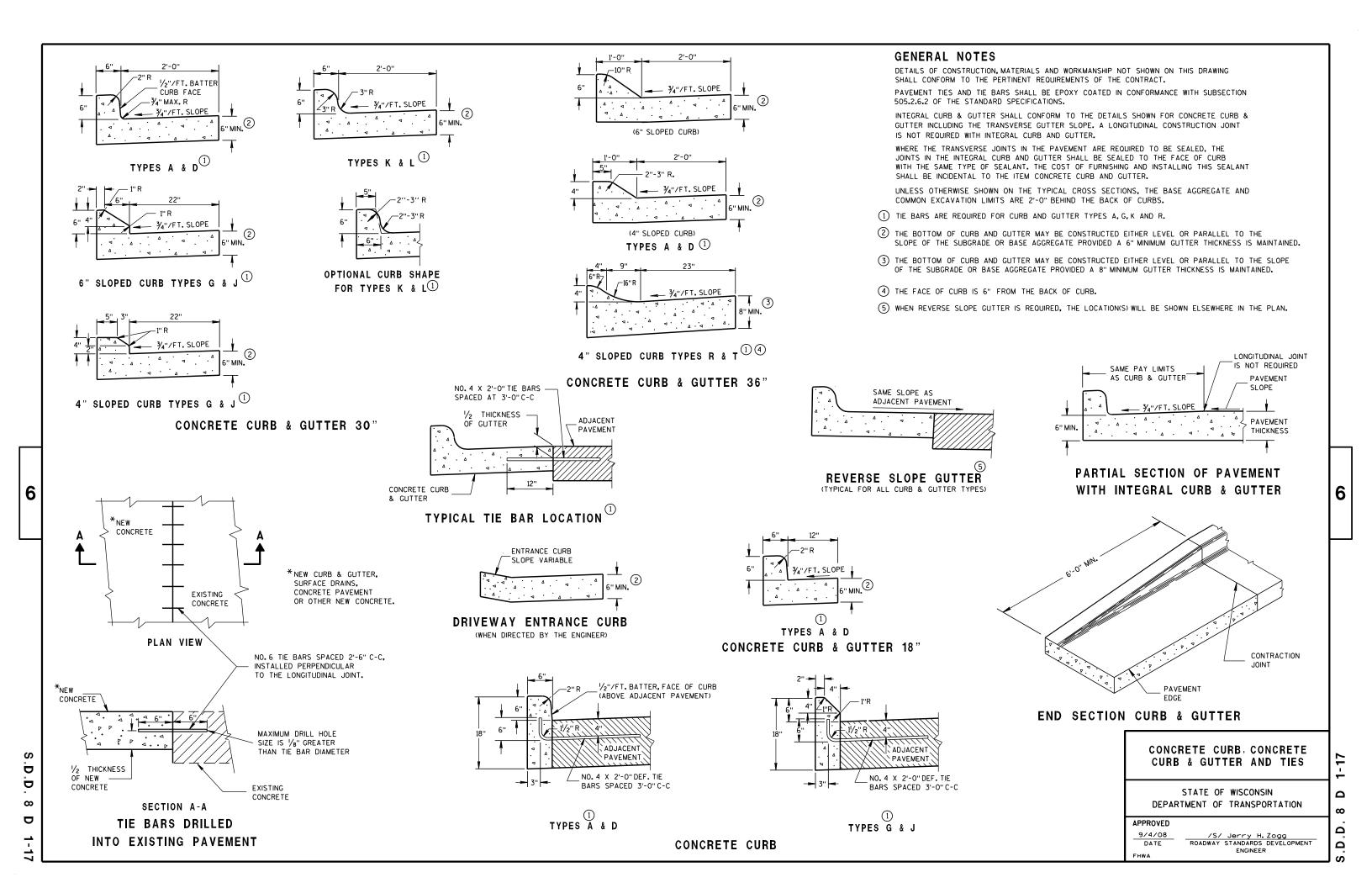
DATE

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



GRATE.....260 LBS.

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.







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

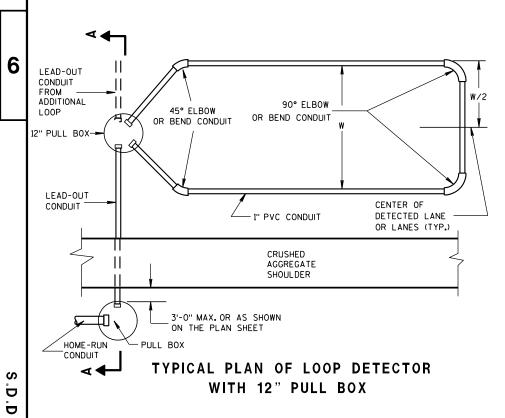
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### NO CURB & GUTTER LOOP DETECTOR INSTALLATION DETAIL

\*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



### **GENERAL NOTES**

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

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD-OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

ANTI-SIEZE LUBRICATING MATERIAL SHALL BE USED ON ALL THREADS OF THREADED ASSEMBLIES, INCLUDING LOCKING PULL BOX COVERS, BEFORE INSTALLATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

ANY PVC LEAD-OUT CONDUIT CONTAINING MORE THAN TWO TWISTED PAIR OF LOOP LEAD-IN WIRE SHALL BE 2".

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

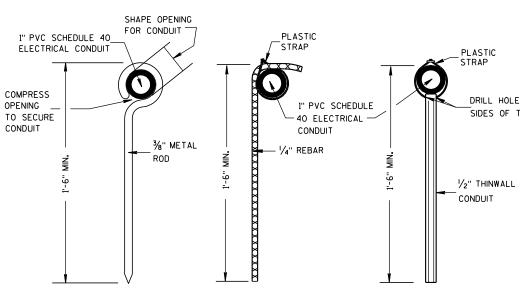
SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE. NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE PULL BOX IN THE BASE COURSE, AND THE RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED. ANY DAMAGE THAT OCCURS DUE TO FAILURE TO PROTECT THE INSTALLATION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

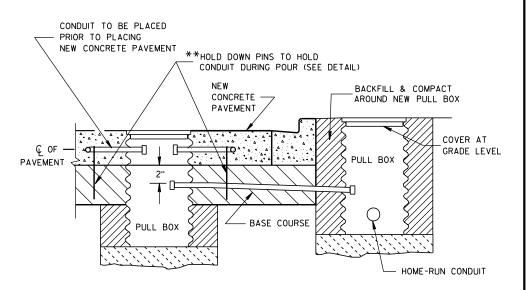
SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE ACCOMPLISHED UNDER THE DIRECTION OF THE PROJECT

12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.

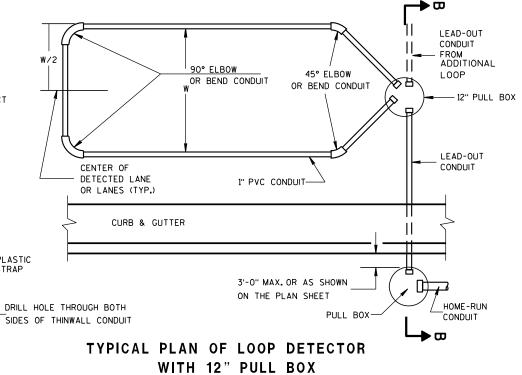


### TYPICAL DETAILS FOR HOLD DOWN PINS

\*\*HOLD DOWN PINS ARE REQUIRED TO STABILIZE THE LOOP TO MEET THE DIMENSIONAL AND PHYSICAL CONSTRUCTION REQUIREMENTS OF THE PLANS. THE NUMBER OF HOLD DOWN PINS SHALL BE DETERMINED IN THE FIELD. BY THE PROJECT ENGINEER.



### SECTION B-B **CURB & GUTTER** LOOP DETECTOR INSTALLATION DETAIL



LOOP DETECTOR INSTALLED IN NEW CONCRETE PAVEMENT ROUND CSCP PULL BOX 45 DEGREE ELBOWS TO PULL BOX 6

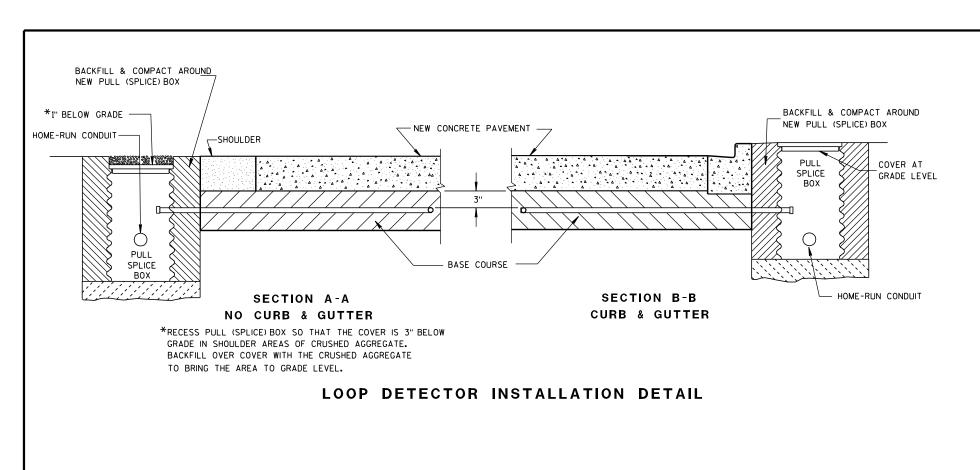
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Balu Ananthanarayanan STATE ELECTRICAL ENGINEER FOR HWYS



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### GENERAL NOTES

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

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT \*12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

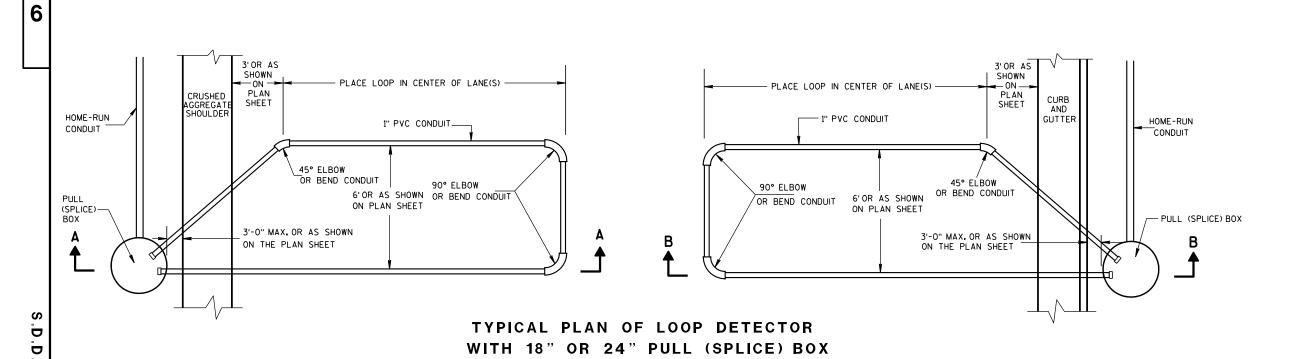
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE \*12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/7/06

/S/ Balu Ananthanarayanan

DATE

STATE FLECTRICAL ENGINEER FOR HI

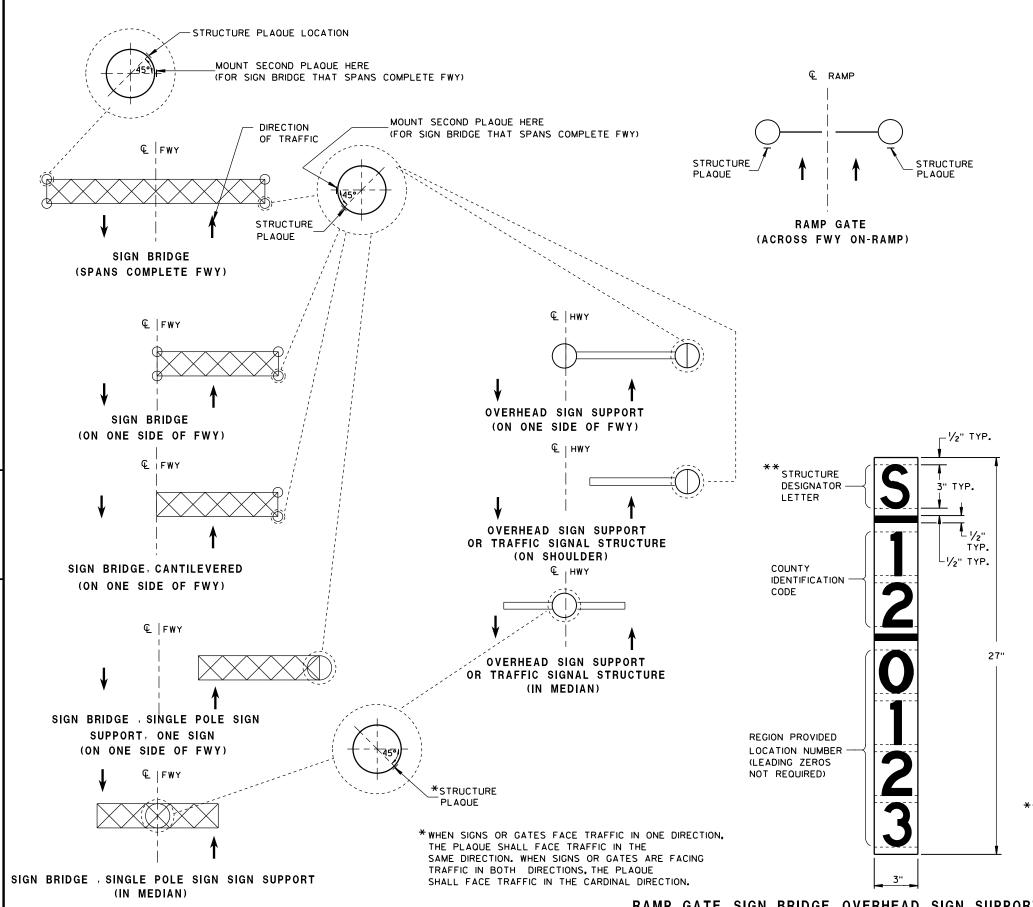
STATE ELECTRICAL ENGINEER FOR HWYS

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LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD

SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES

### GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

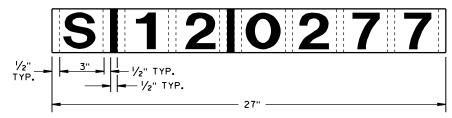
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, 1/2" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



# IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

\*\* LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

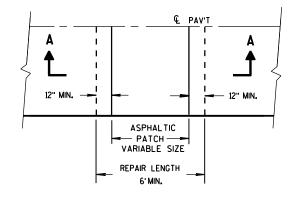
DATE STATE TRAFFIC ENGINEER OF DESIGN

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

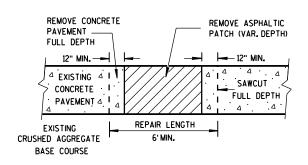
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

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

1) DOWEL BARS MIGHT NOT EXIST.

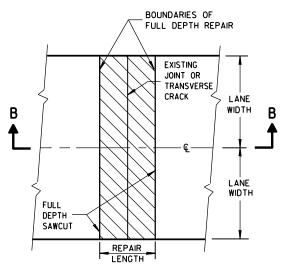


**PLAN VIEW** 

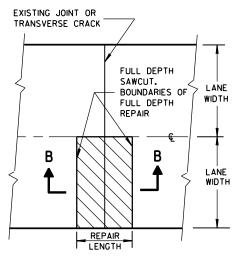


SECTION A-A

HMA PATCH REMOVAL



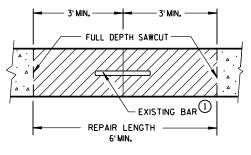
PLAN VIEW (DOUBLE LANE REPAIR)



PLAN VIEW (SINGLE LANE REPAIR)

### FULL DEPTH CONCRETE PAVEMENT REMOVAL

(SEE NOTE)



SECTION B-B
CONCRETE REMOVAL

CONCRETE PAVEMENT REPAIR
AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

1/4" RAD.

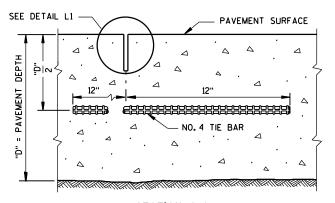
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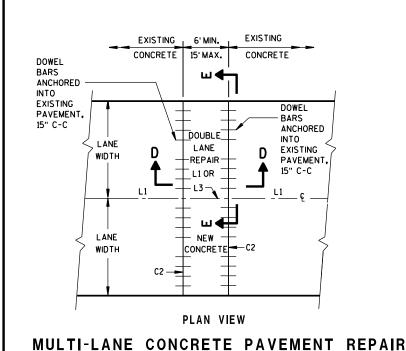
TIE BAR TABLE



SECTION C-C SAWED LONGITUDINAL JOINT

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

SECTION F-F **CONTRACTION JOINT** 



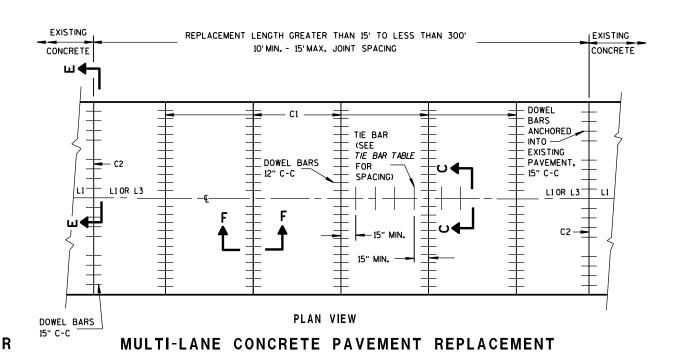
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### **GENERAL NOTES**

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

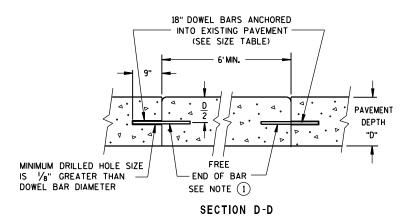
CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

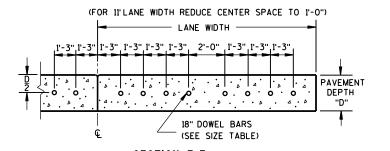
DO NOT SEAL OR FILL JOINTS.

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

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

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





SECTION E-E DRILLED DOWEL BAR CONSTRUCTION JOINT

### PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

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

**CONCRETE PAVEMENT** REPAIR AND REPLACEMENT

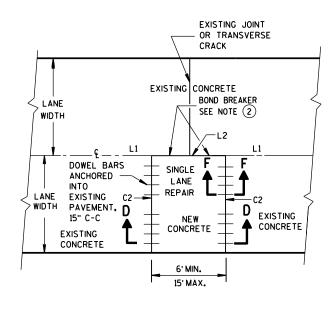
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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### SECTION G-G

### TIE BARS ANCHORED INTO EXISTING PAVEMENT



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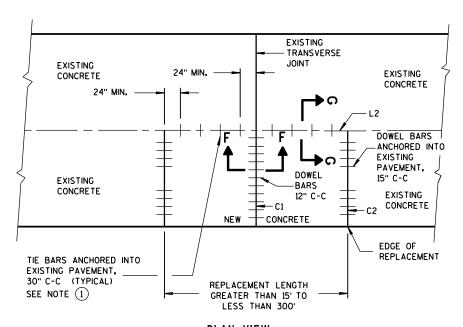
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PLAN VIEW SINGLE LANE **CONCRETE PAVEMENT REPAIR** 



PLAN VIEW SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

### **GENERAL NOTES**

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

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**CONCRETE PAVEMENT** REPAIR AND REPLACEMENT 9-10

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

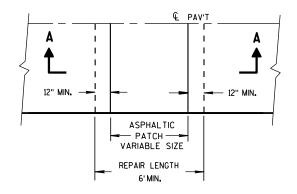
APPROVED

/S/ Deb Bischoff 5-3-2013 DATE PAVEMENT POLICY & DESIGN ENGINEER FHWA

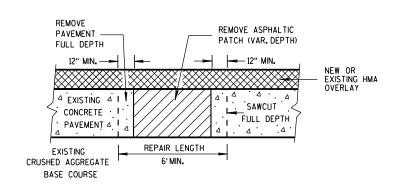
PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK.

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

1) DOWEL BARS MIGHT NOT EXIST.

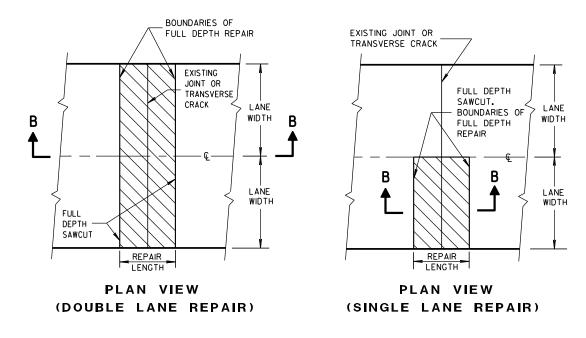


**PLAN VIEW** 



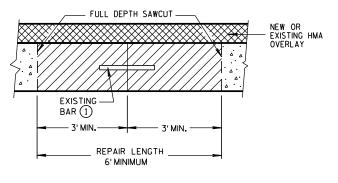
SECTION A-A

HMA PATCH REMOVAL



FULL DEPTH CONCRETE PAVEMENT REMOVAL

(SEE NOTE)



SECTION B-B

**CONCRETE REMOVAL** 

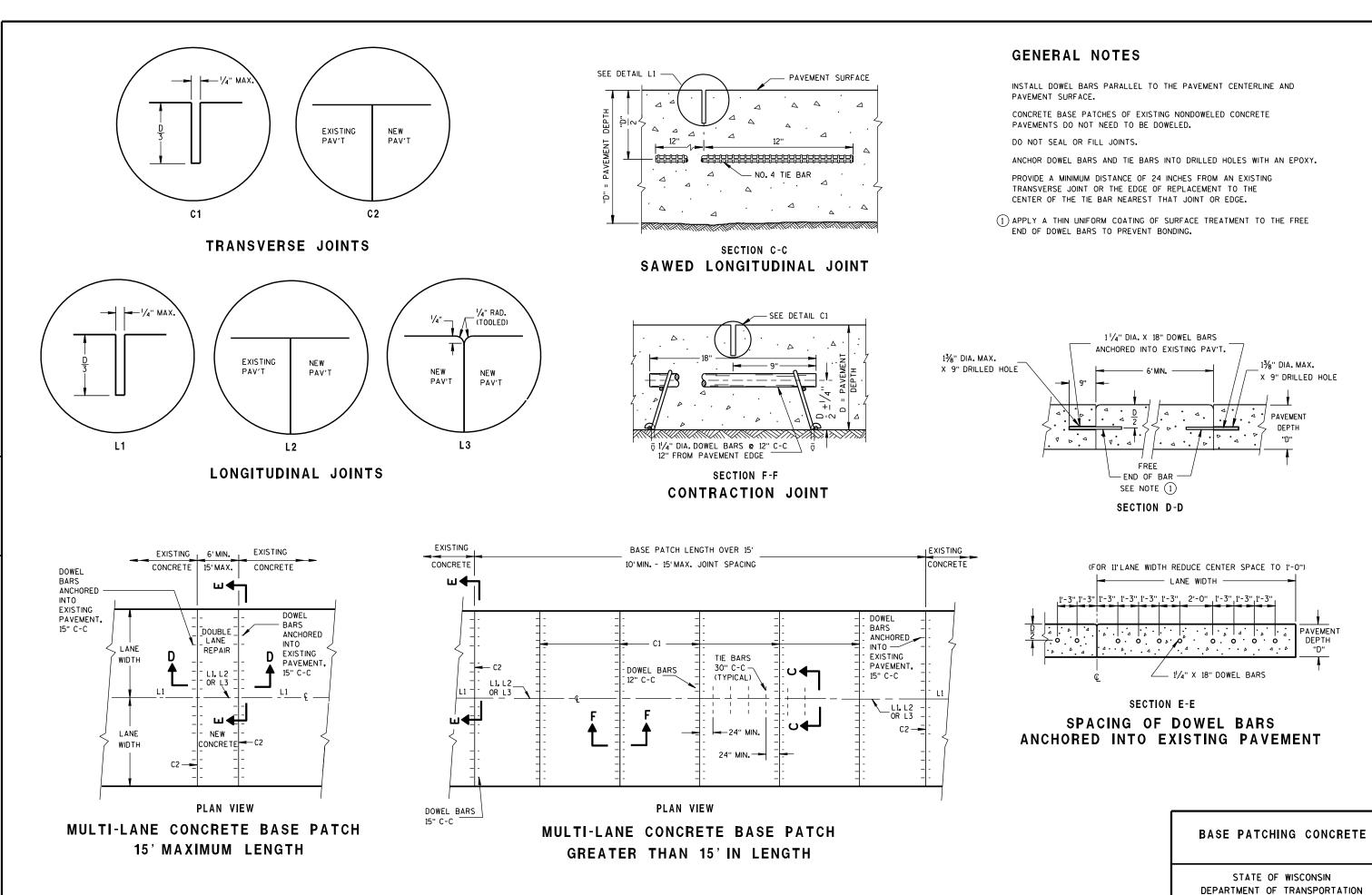
BASE PATCHING CONCRETE

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



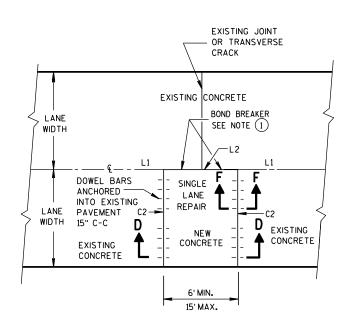
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# TIE BARS ANCHORED INTO EXISTING PAVEMENT

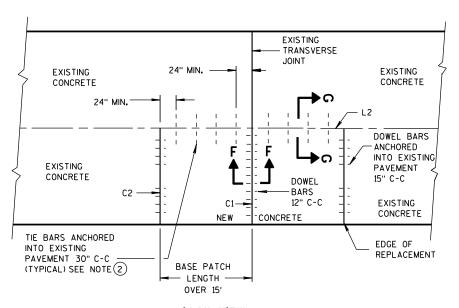
SECTION G-G



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH

15' MAXIMUM LENGTH



PLAN VIEW
SINGLE LANE CONCRETE BASE PATCH
GREATER THAN 15' IN LENGTH

### **GENERAL NOTES**

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

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

| 12-II-2009 | /S/ Deb Bischoff | PAVEMENT POLICY & DESIGN ENGINEER

S.D.D. 13 C 14-

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### BRIDGE ROAD 1)TWO-WAY **CLOSED** TYPE "A" WARNING LIGHTS REQUIRED OUTSIDE EDGE OF SHOULDER OUTSIDE EDGE OF SHOULDER OR FACE OF CURB OR FACE OF CURB **DETAIL D**

### ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "a" 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

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.

"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 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) 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
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- 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

/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

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### **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.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
RI1-2 SHALL BE 48" X 30".
RI1-4 AND RI1-3 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**

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH
ATTACHED SIGN

(A) TYPE "A" WARNING LIGHT (FLASHING)

//// w

WORK AREA

### BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 /S/ Travis Feltes

DATE STATE TRAFFIC ENGINEER OF DESIGN

S.D.D. 15 C 3-2

### **GENERAL NOTES**

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

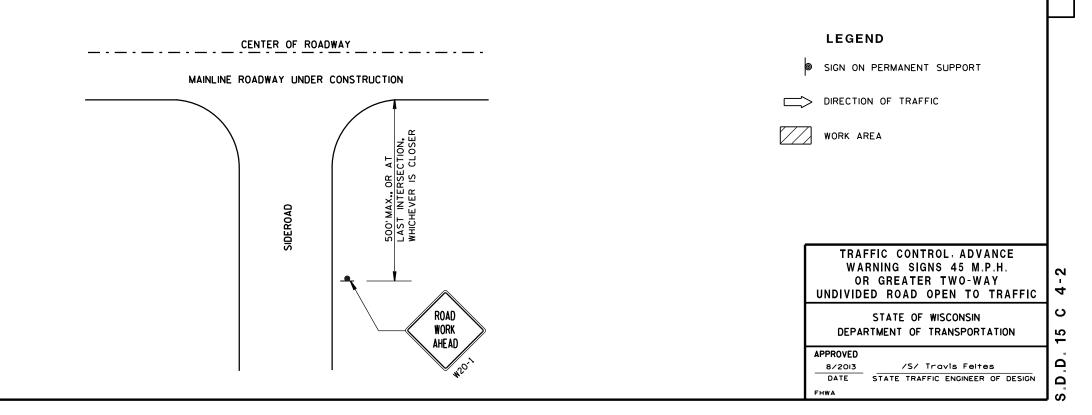
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

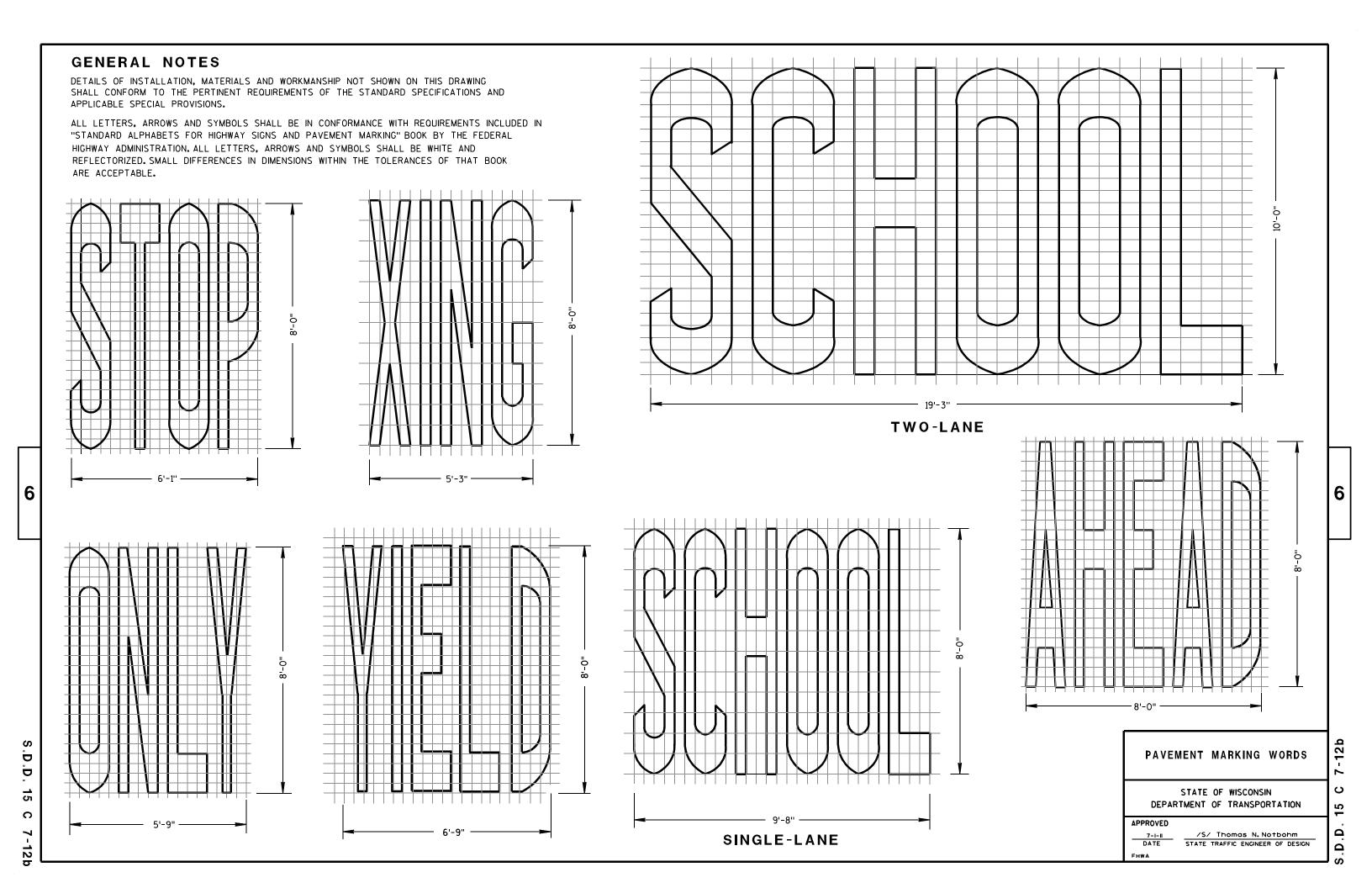
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

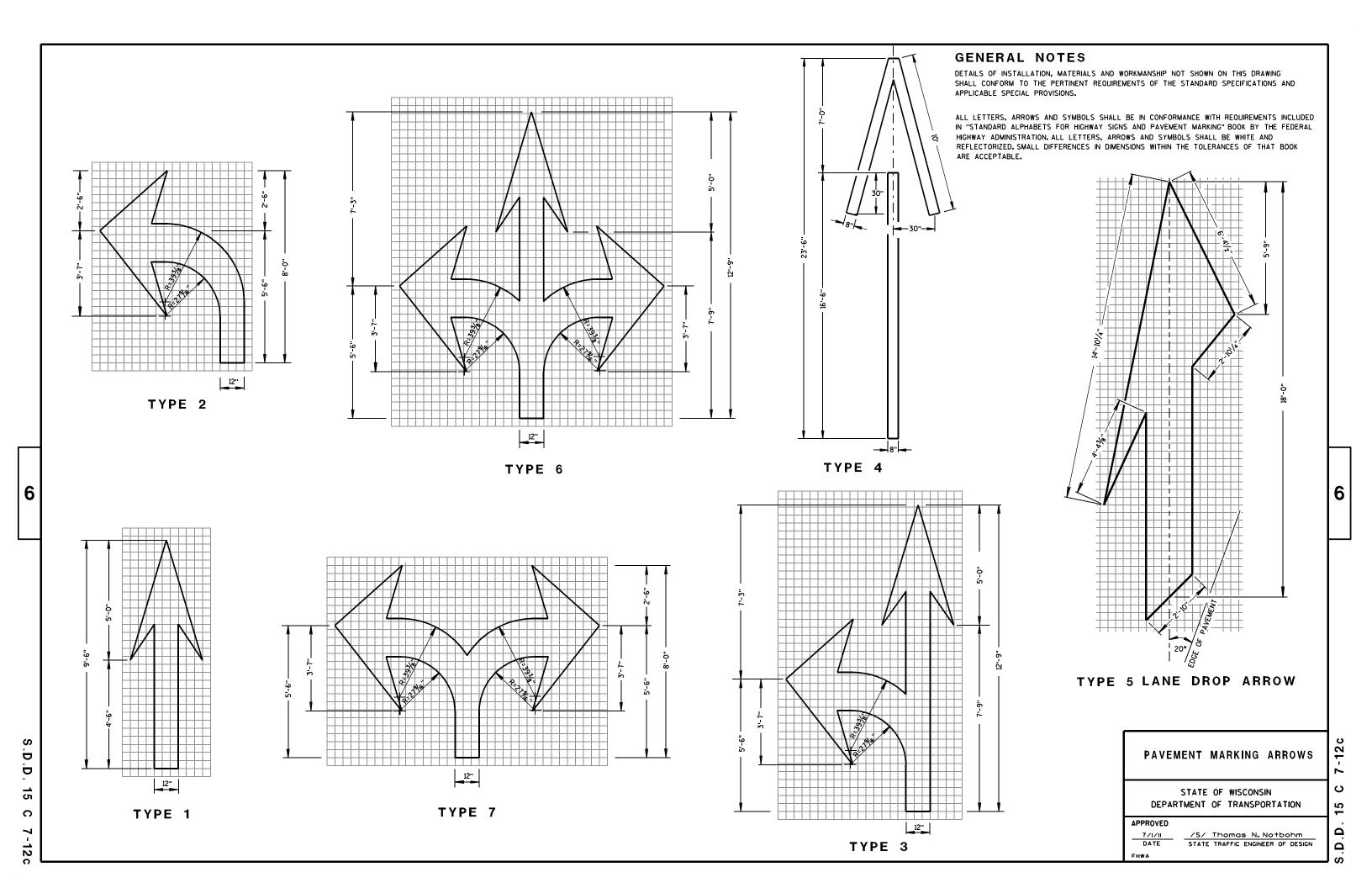
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

- \* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- \*\* PLACE ADDITIONAL W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

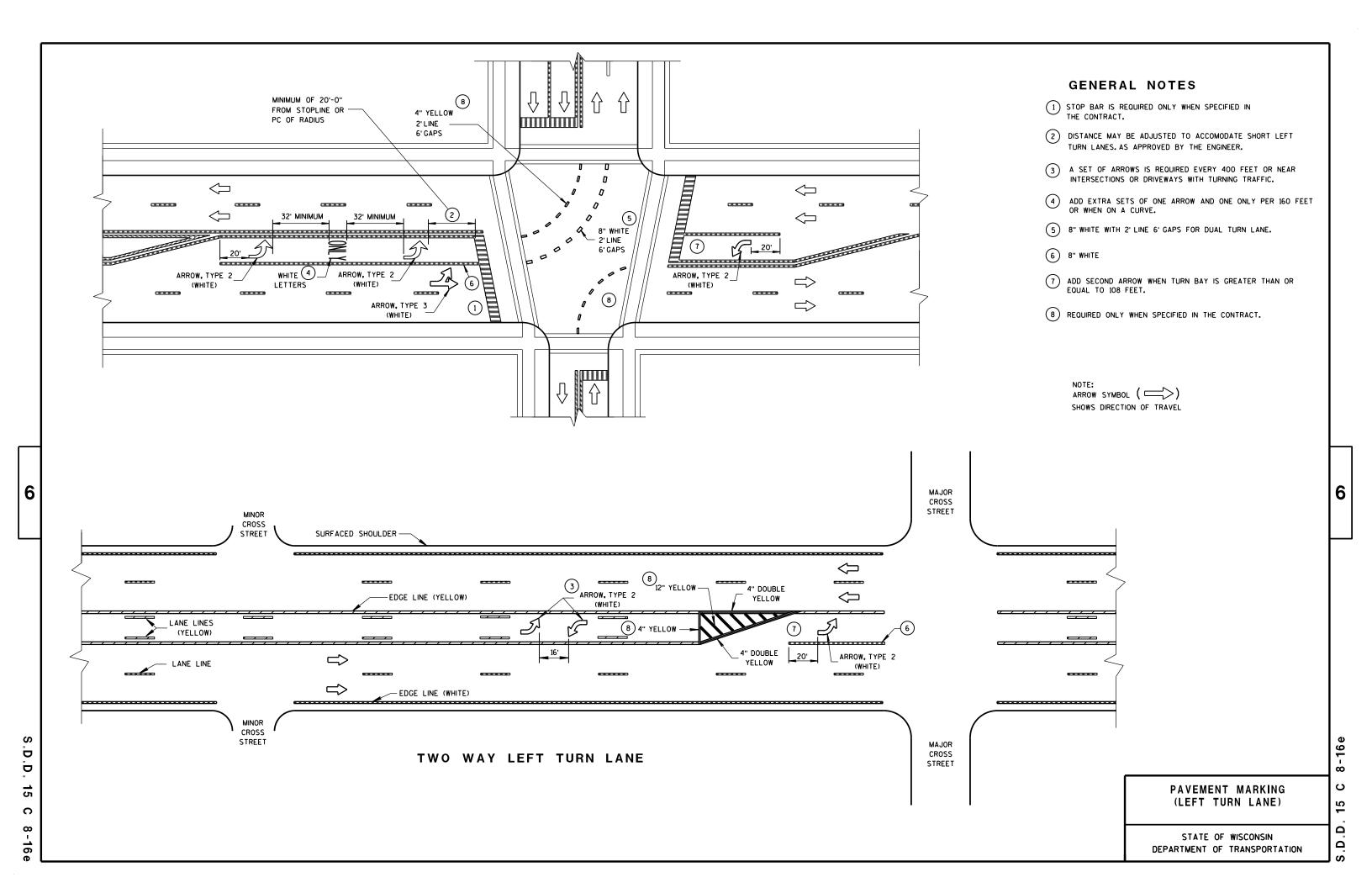


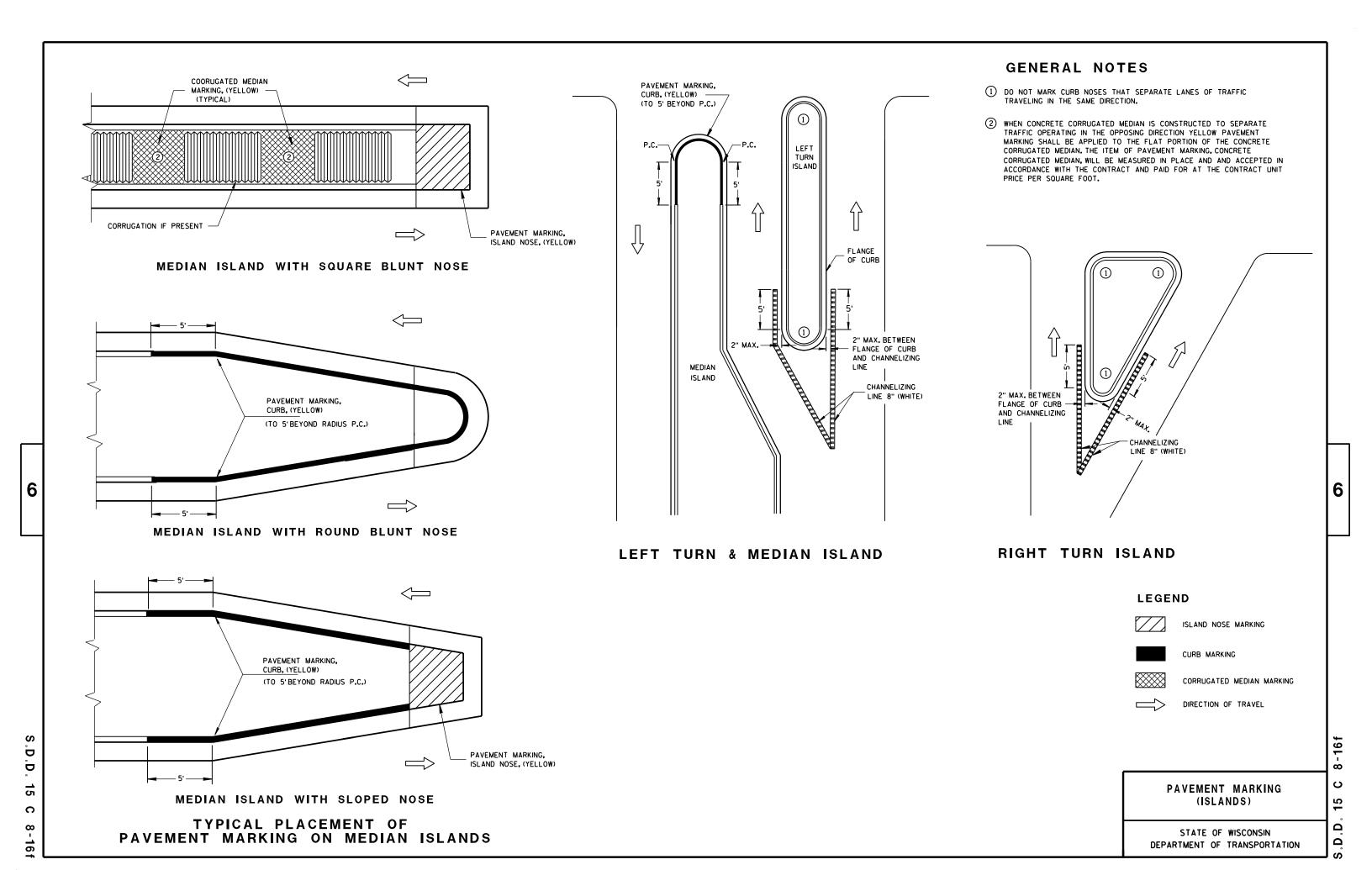














BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR BOLTS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED. BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

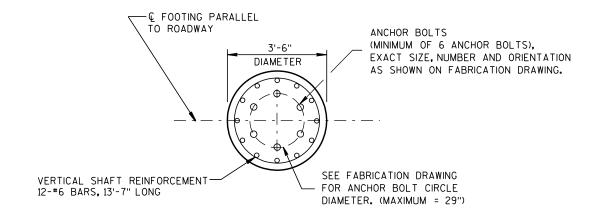
IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ANY DAMAGE TO THE CONCRETE BASE DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

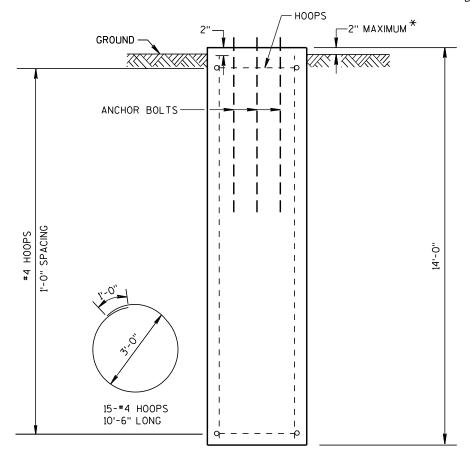
CONCRETE MASONRY ...... fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 ..... fy=60,000 p.s.i.
ANCHOR BOLTS ..... AASHTO M314 GRADE 55

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



#### PLAN VIEW

FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.



#### **ELEVATION VIEW**

CONCRETE - 5.0 C.Y. PER FOOTING
H.S. REINFORCEMENT - 350 LBS. PER FOOTING

### 42" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

4-17-09 DATE S

STATE TRAFFIC ENGINEER OF DESIGN

6

S.D.D. 15 C 2

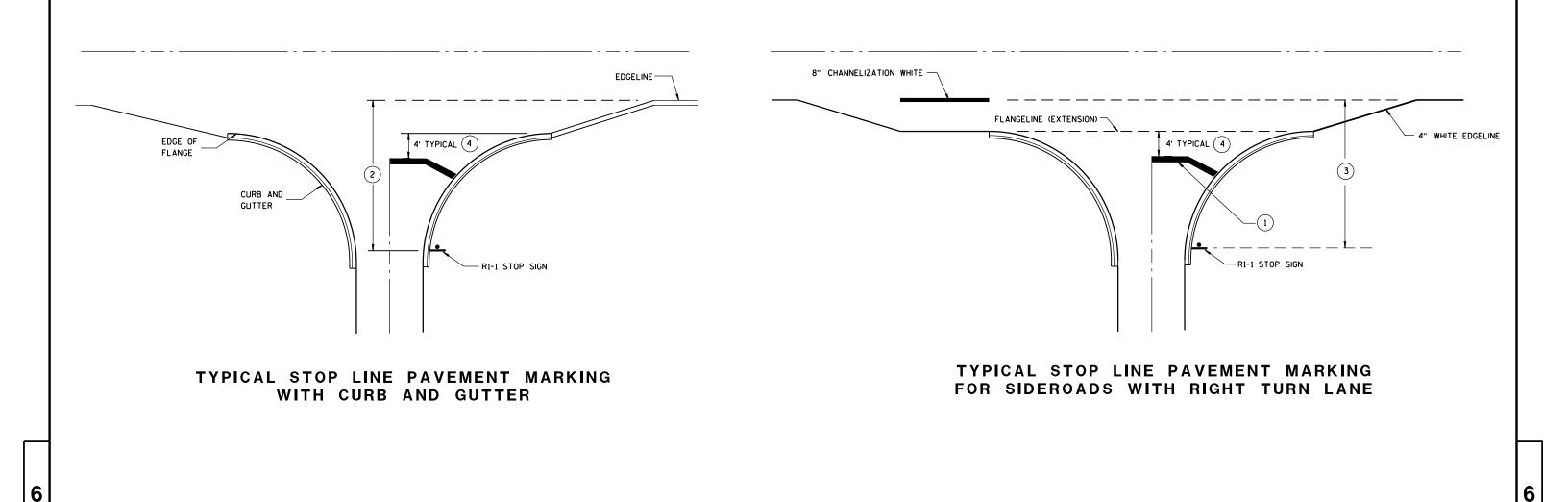
S.D.D.

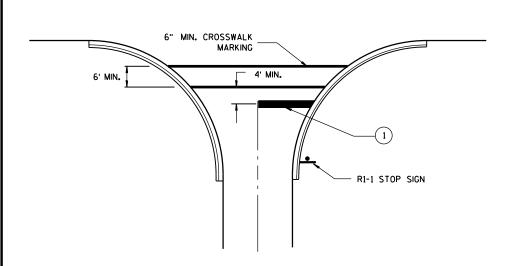
25

S

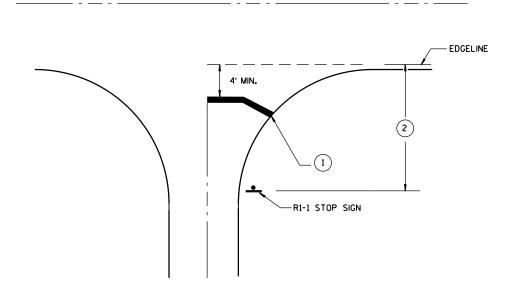
2

6





TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

#### GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

## STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
4/30/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER
FHWA	

.D.D. 15 C 33-1

S.D.D.

33

#### LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TRAFFIC CONTROL DRUM

SIGN ON PERMANENT SUPPORT

(A) TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

16

#### **GENERAL NOTES**

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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

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

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

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

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.

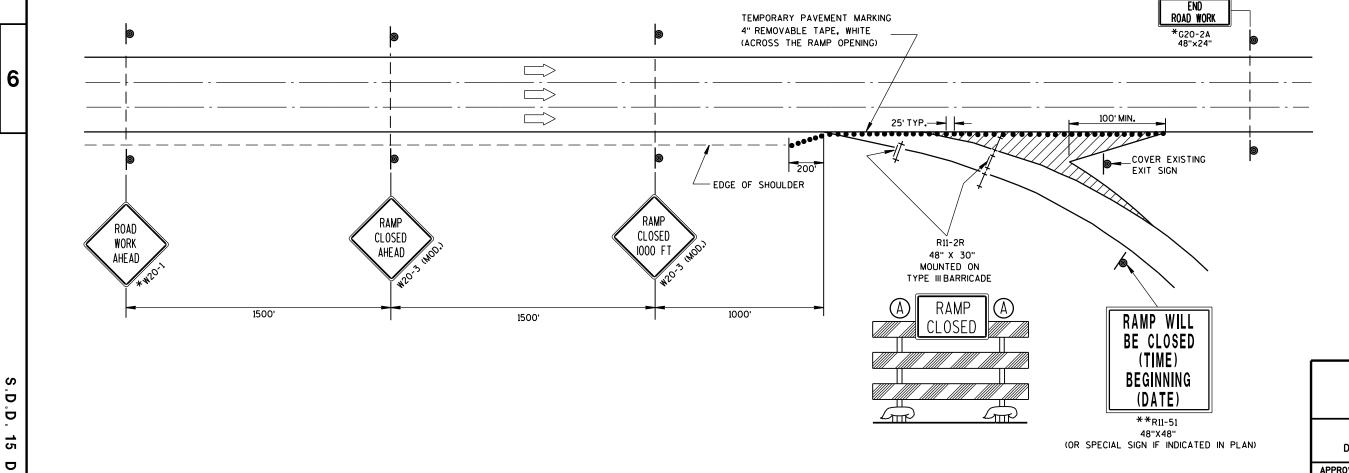
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN THE WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

\*W20-1AND G20-2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

\*\* PLACE "RAMP WILL BE CLOSED" SIGN 10 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

8/2013

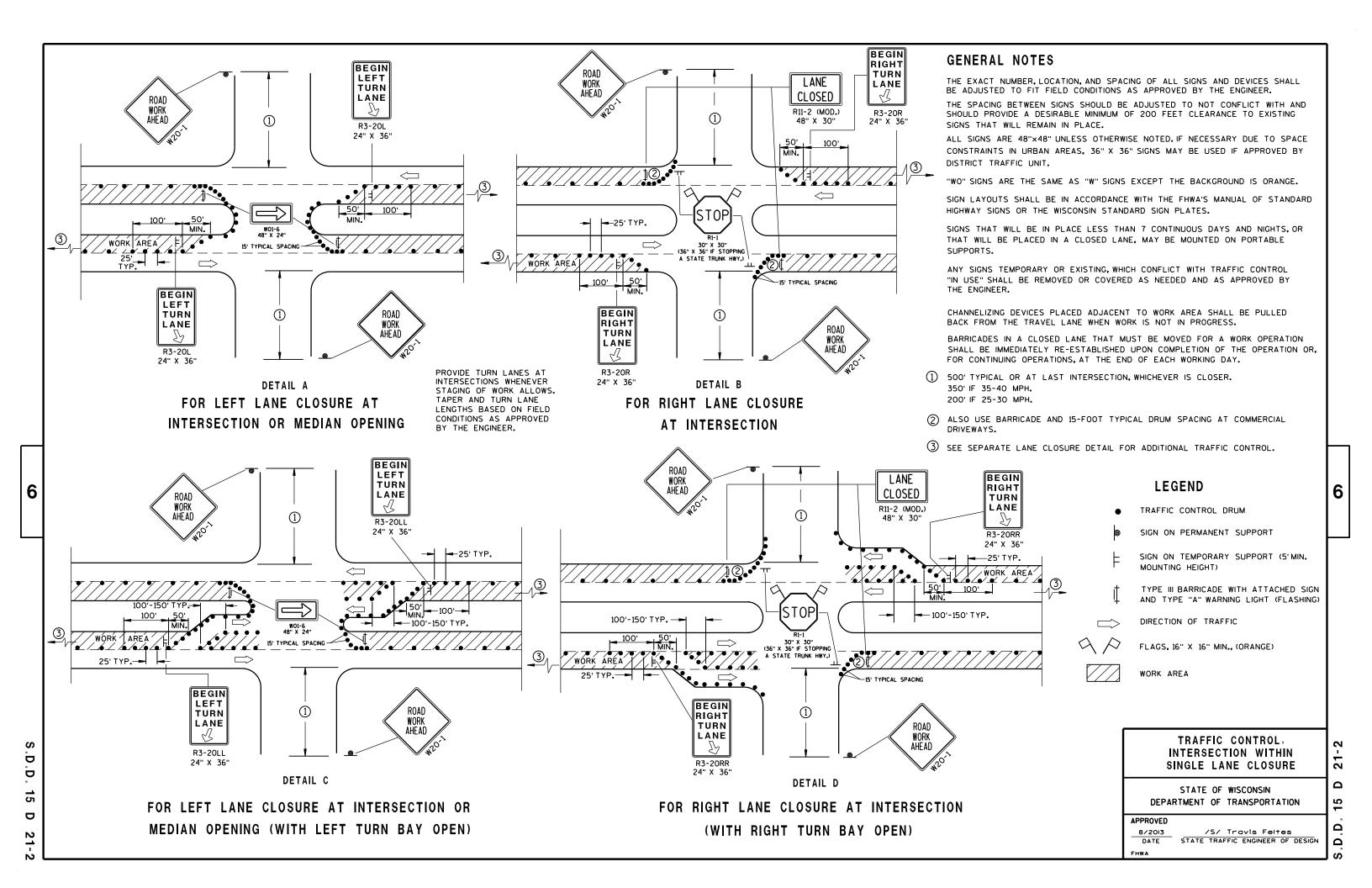
B/2013

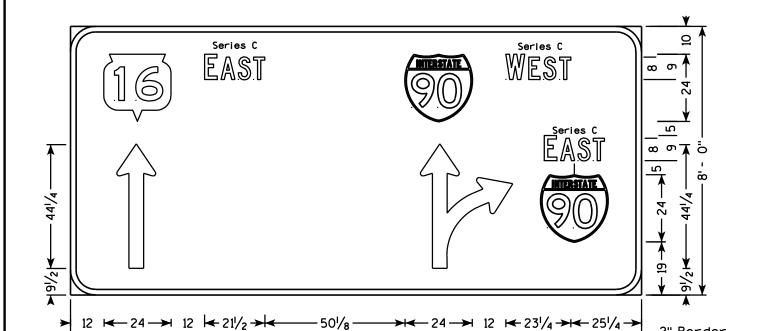
DATE

STATE TRAFFIC ENGINEER OF DESIGN
FHWA

15 D 16-2

Ω





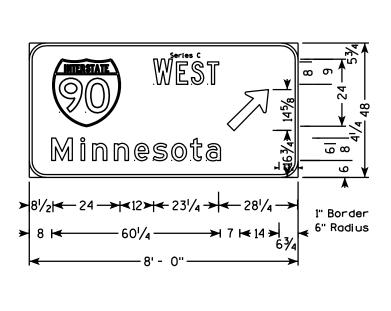
#### NOTES

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

Background - Green

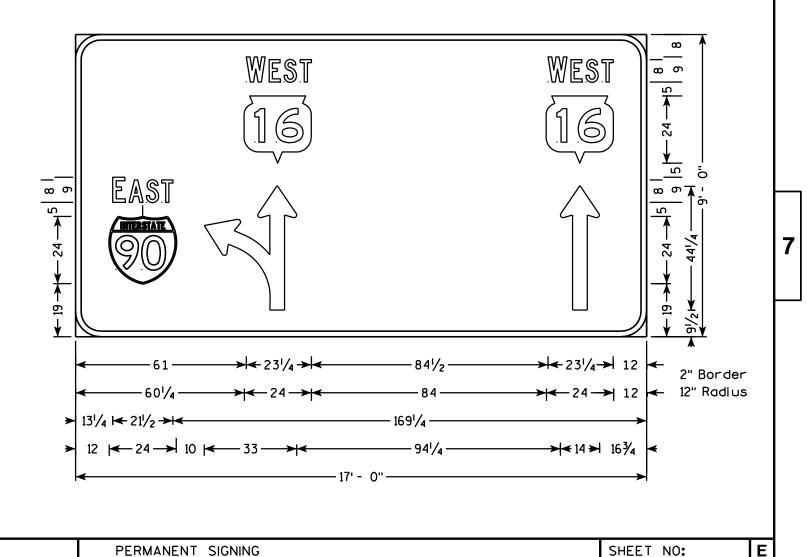
Message - White

3. Message Series - As Shown



IH 90

HWY:



FILE NAME : C:\CAEFiles\Projects\tr\_d5\5322A413.DGN

PROJECT NO: 1071-08-62

PLOT DATE: 11-APR-2013 14:34

COUNTY: LA CROSSE

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE : 34.296626:1.000000

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

2. Color:

Background - GREEN Message - WHITE

3. Message Series - E

Series C  $\infty$  Q2 INTERSTATE =9 2 /9 12¾ ← 23¼ → 12
 2" Border
 12 ← 24 → 12
 9" Radius → 13 ← 22 → 13 ←

COUNTY: LA CROSSE HWY: PROJECT NO: 1071-08-62 IH 90 PERMANENT SIGNING SHEET NO:

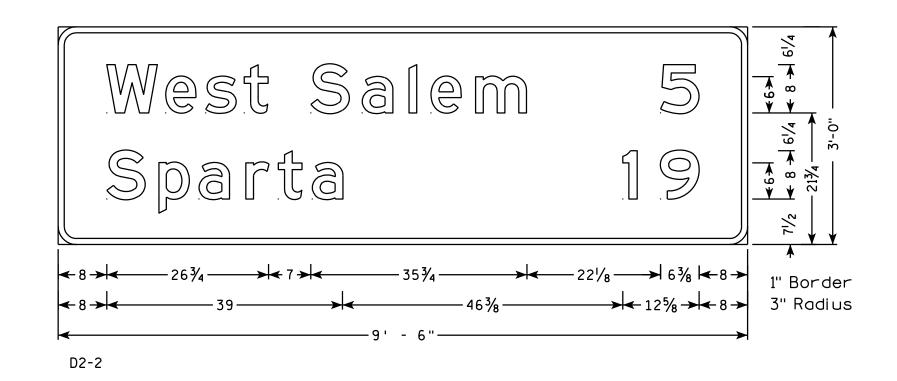
PLOT NAME :

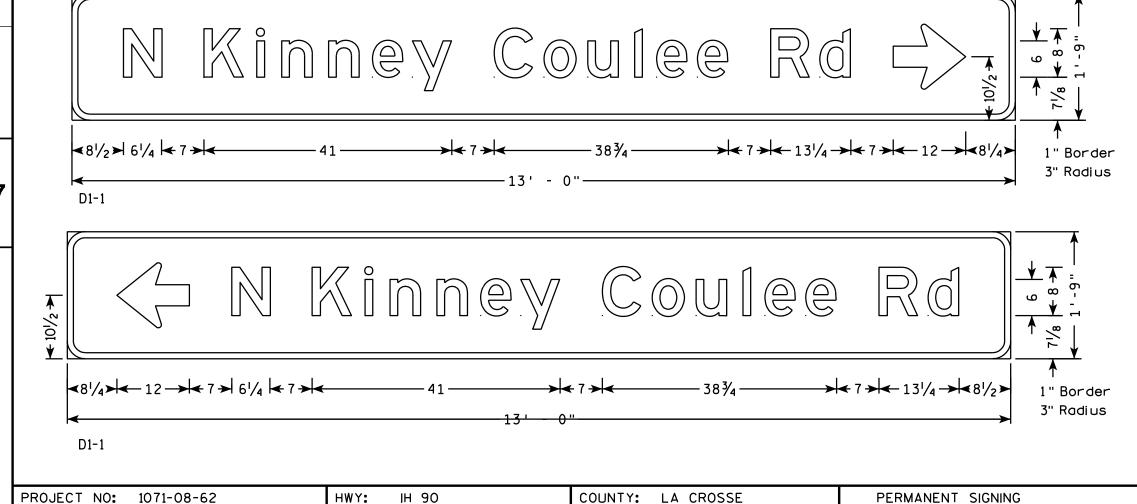


- 1. All Signs Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - GREEN
Message - WHITE

3. Message Series - E





FILE NAME : C:\CAEFiles\Projects\tr\_d5\5322A413.dgn

PLOT DATE: 08-APR-2013 15:23

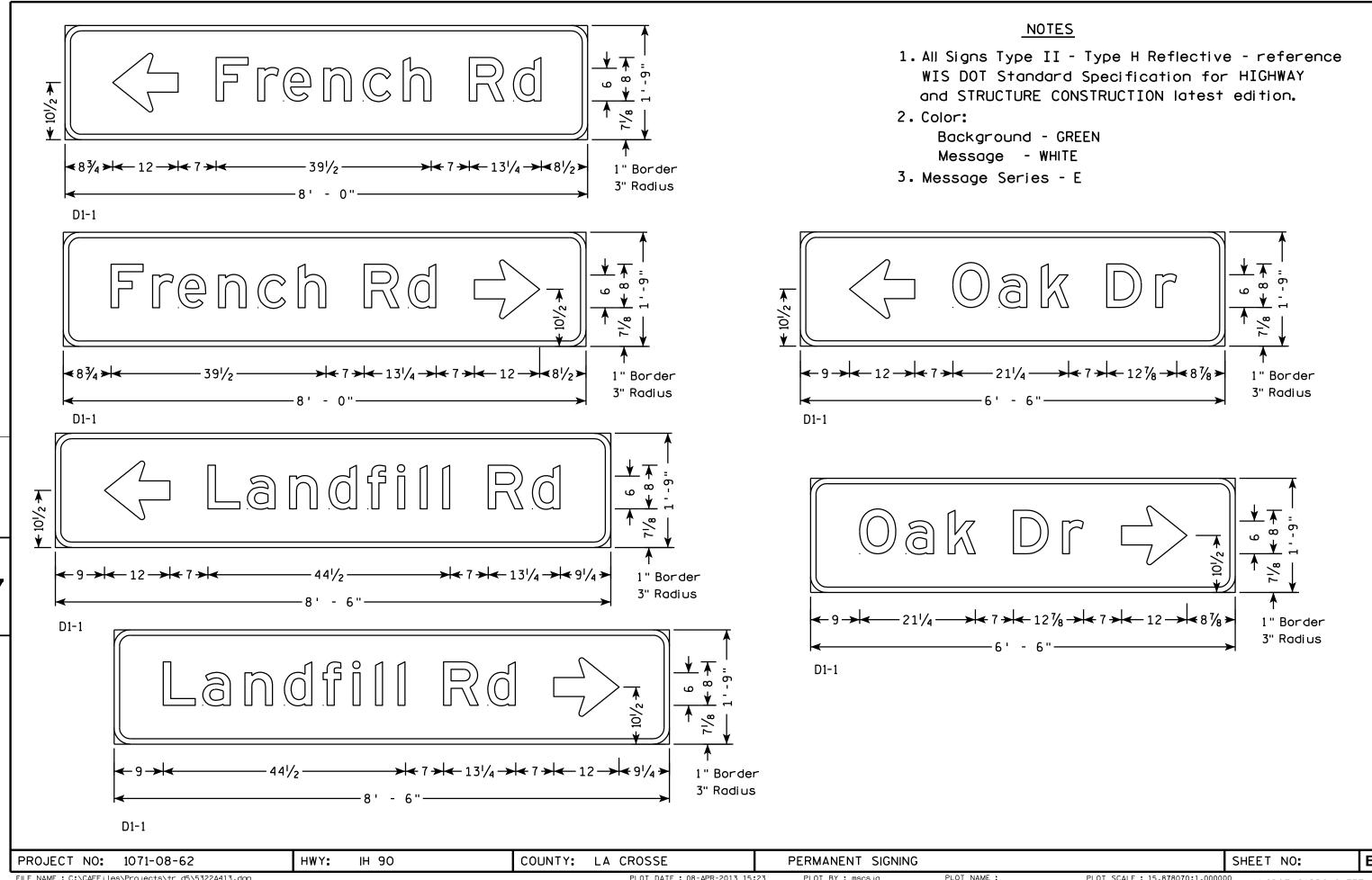
PLOT BY: mscsja

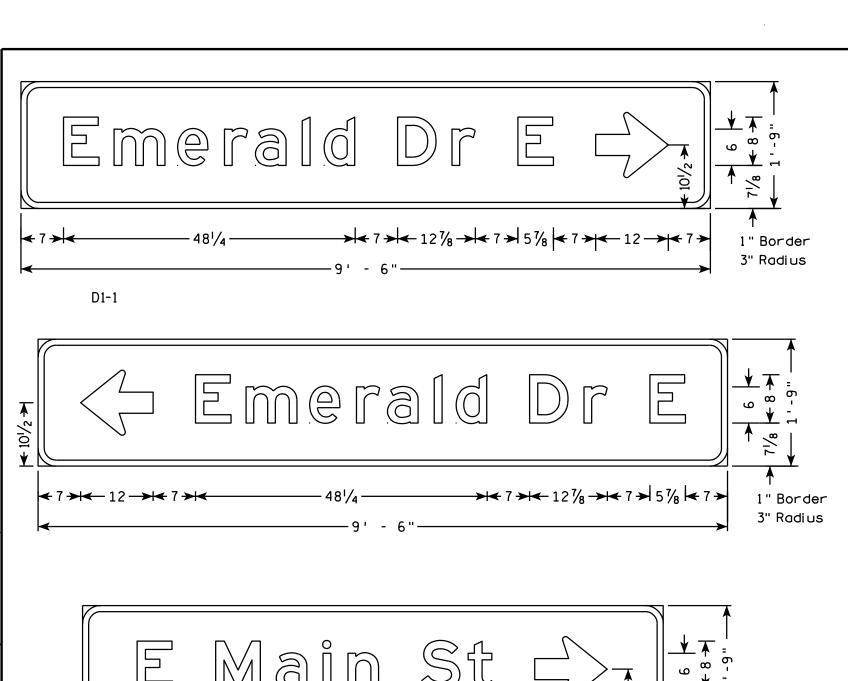
PLOT NAME :

PLOT SCALE: 15.878070:1.000000

WISDOT/CADDS SHEET 42

SHEET NO:



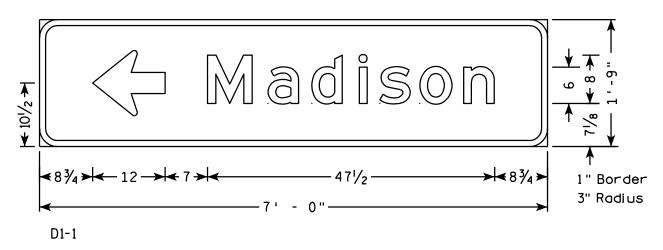


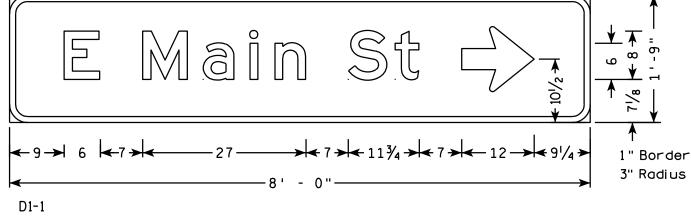
#### NOTES

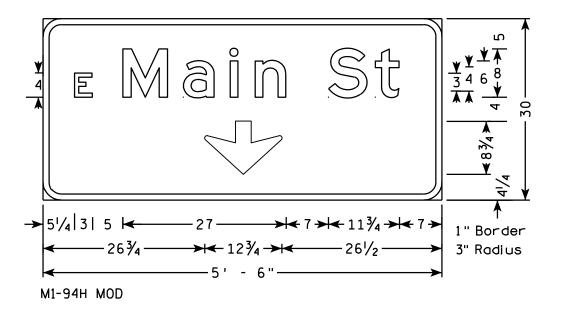
- 1. All Signs Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - GREEN Message - WHITE

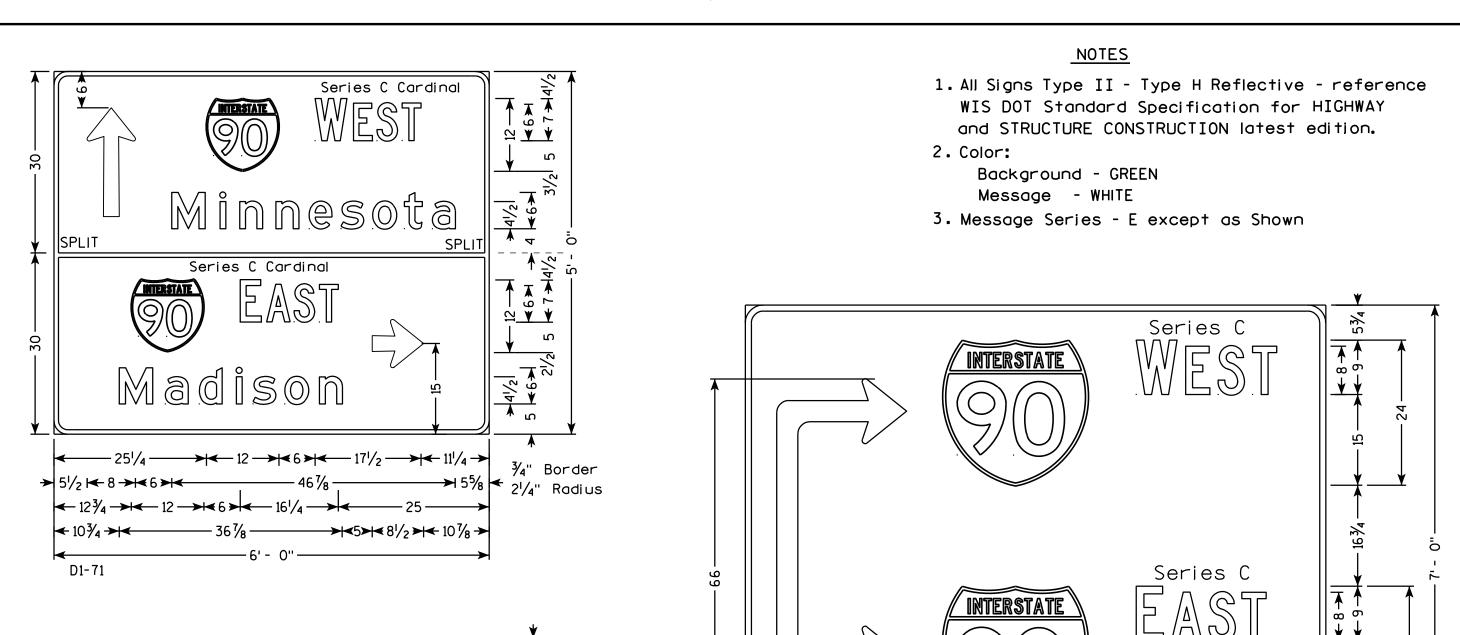
3. Message Series - E

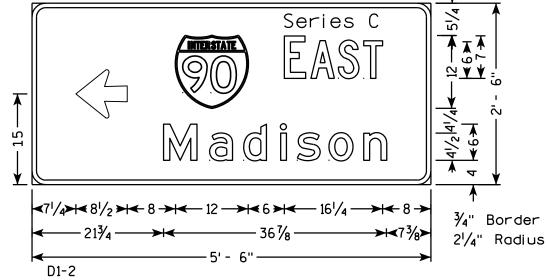






PROJECT NO: 1071-08-62 HWY: 1H 90 COUNTY: LA CROSSE PERMANENT SIGNING SHEET NO: E





IH 90

HWY:

1" Border 3" Radius D1-66

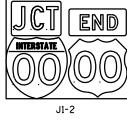
PROJECT NO: 1071-08-62

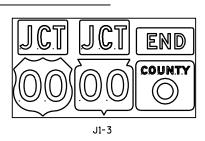
COUNTY: LA CROSSE

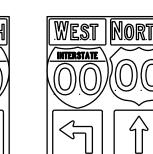
PLOT NAME :

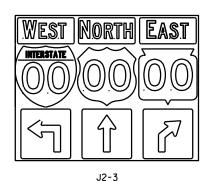
PERMANENT SIGNING

SHEET NO:











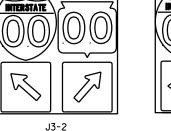
(Typical Vertical J-Assembly See Note 10 and 11)

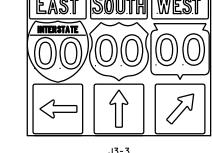


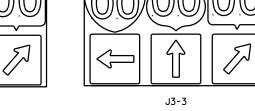
J3-1

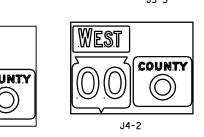


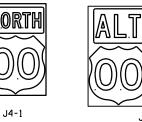
INTERSTATE

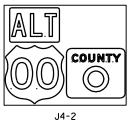


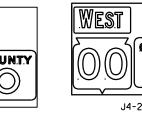










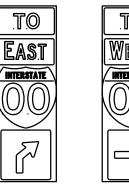




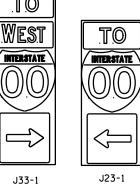
J13-1

PROJECT NO:

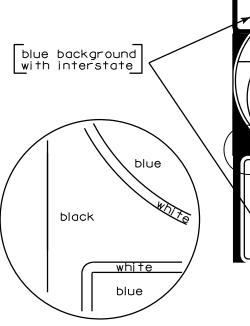
FRONTAGE ROAD



J32-1





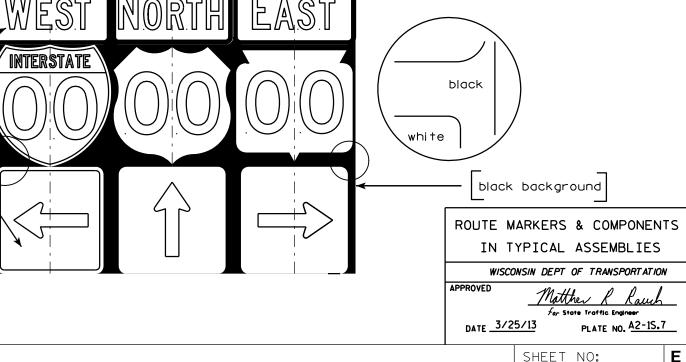


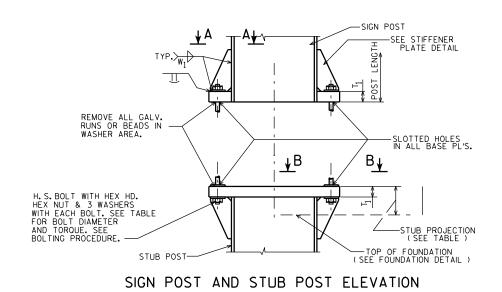
#### NOTES

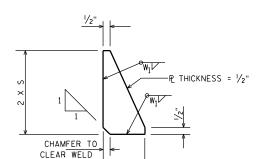
- 1. Signs are Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Black Non-reflective Message - see Note 5

- 3. Message Series See Note 5
- 4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
- 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.
- 10. All Vertical J Assemblies are given a Sign Code of JV
- 11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

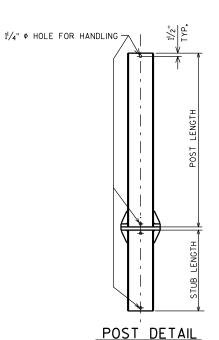


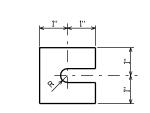




#### STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS )



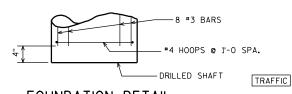


FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T. M.- B36.

#### SHIM DETAIL

		QUANTI	TIES FC	R 1 FOOTING	G
		CONC. MASONRY	C.Y.	REINF. STEEL	LBS.
	Α	0.6		34	
	В	0.8		49	
	C	0.9		50	
	D	0.9		56	
7	E	1.0		62	

		TYPE	#3	#4
		Α	8 <b>@</b> 4'-5	5 <b>@</b> 6'-3
		В	8 <b>@</b> 6'-5	7 @ 6'-3
	REINF.	С	8 @ 6'-11	7 @ 6'-3
	~	D	8 @ 7'-5	8 @ 6'-3
7		Ē	8 <b>@</b> 7'-11	9 @ 6'-3



FTG. T + 1/16

FTG. T + 1/16

-1'-0 MIN. LAP

STUB POST

FINISHED GRADE

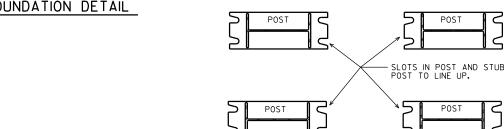
SHAFT LENGTH ( SEE

#4 HOOPS @ 1'-0 SPA.

FOUNDATION DETAIL

8 #3 BARS

SECTION



(5)

SECTION A-A

SHAFT PLACEMENT

POST ON THE LEFT POST ON THE RIGHT POST SLOT ORIENTATION

TRAFFIC

				BA	ASE CON	INECT	ΓΙΟΝ D	ΑΤΑ	TABI	_E					FOUNDATION	DATA		2	
	TYPE	DIMENSION POST SIZE	BOLT SIZE & TORQUE	А	В	С	D	E	т1	Т4	w <sub>1</sub>	R	S	STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	К	
4	Α	W10"X12.0 #/FT.	¾" ¢ @ 75#-FT.	51/4"	1'-03/8	7/8''	31/2"	7/8'	1"	3/6"	5/6"	13/32 ''	21/8"	3'-6	3"	2'-0 φ	5'-0	76.0#	4
<u>(4)</u>	В	W12"X16.0 #/FT.	½" Φ @ 85#-FT.	51/2"	1'-41/4	1''	31/2"	1"	11/4"	1/4"	5/16"	15/32 ''	3"	5'-6	3"	2'-0 φ	7'-0	146.5#	] @
	С	W12"X19.0 #/FT.	½" φ @ 85#-FT.	51/2"	1'-41/4	1''	31/2"	1"	11/2"	% "	5/16"	15/32 "	3"	6'-0	3"	2'-0 ø	7'-6	182.1#	
	D	W12"X22.0 #/FT.	½" φ @ 85#-FT.	51/2"	1'-41/4	1''	31/2"	1"	11/2"	3/8"	5/16 "	15/32 "	3"	6'-6	3"	2'-0 ø	8'-0	210.5#	j
3	E	W12"X26.0 #/FT.	1" ¢ @ 90#-FT.	7"	1'-41/4	11/4"	4"	11/2"	11/2"	3/8"	5/16"	17/32 ''	3''	7'-0	3"	2'-0 ø	8'-6	293.0#	3
														·			·		j

1 6 1

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

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

DESIGN DATA

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

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

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

#### GENERAL NOTES

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

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

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

#### BOLTING PROCEDURE - BASE CONNECTION

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

-PLATE THICKNESS = T

—STUB POST

SECTION B-B

74

985

-SIGN POST

TIGHTEN THE HIGH STRENGTH BOLTS TO THE TOROUE SHOWN.

<u>DO NOT OVERTIGHTEN.</u>

WISCONSIN DEPT OF TRANSPORTATION APPROVED PLATE NO. A3-1.13 DATE 4/26/11

(9) 4-26-11 REMOVE NON-GALVANIZED 8 10-30-96 NOT GALVANIZED/GALVANIZED (7) 10-30-92 QUANT., A588 EXCEPT., ADD SLOT VIEW 8-24-87 BASE CONN. WELD 10-13-81 BASE CONN. WELD & FUSE P WASHERS (4) 10-19-79 POST A & B, A572 GR. 50, & K 11-28-78 "K" (3)4-23-79 TYPE "E" 5-4-78 | T<sub>1</sub> , T<sub>2</sub> & W<sub>1</sub> DATE

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS TYPE A, B, C, D, & E

DRAWN BY JPH 2011 FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS

SHEET NO:

HWY:

COUNTY:

PLOT BY: msc i9h

PLOT NAME:

PLOT SCALE: 87399.319456:1.000000

SHEET

Ε

THORIZONTAL DIMENSION

Ø ♥	2.5 ft.	3 ft.	3.5 ft.	4 ft.	4.5 ft.	5 ft.	5.5 ft.	6 ft.	6.5 ft.	7 ft.	7.5 ft.	8 ft.	8.5 ft.	9 ft.	9.5 ft.	10 ft.	10.5 ft.	11 ft.	11.5 ft.	12 ft.	12.5 ft.	13 ft.	13.5 ft.	14 ft.	14.5 ft.	15 ft.	15.5 ft.	16 ft.
10 ft.	25 Sq. Ft	30 Sq. Ft	35 Sq. Ft	40 Sq. Ft	45 Sq. Ft	50 Sq. Ft	55 Sq. Ft	60 Sq. Ft	65 Sq. Ft	70 Sq. Ft	75 Sq. Ft	80 Sq. Ft	85 Sq. Ft	90 Sq. Ft	95 Sq. Ft	100 Sq. Ft	105 Sq. Ft	110 Sq. Ft	115 Sq. Ft	120 Sq. Ft	125 Sq. Ft	130 Sq. Ft	135 Sq. Ft	140 Sq. Ft	145 Sq. Ft	150 Sq. Ft	155 Sq. Ft	160 Sq. Ft
11 ft.	27.5 Sq. Ft	33 Sq. Ft	38.5 Sq. Ft	44 Sq. Ft	49.5 Sq. Ft	55 Sq. Ft	60.5 Sq. Ft	66 Sq. Ft	71.5 Sq. Ft	77 Sq. Ft	82.5 Sq. Ft	88 Sq. Ft	93.5 Sq. Ft	99 Sq. Ft	104.5 Sq. Ft	110 Sq. Ft	115.5 Sq. Ft	121 Sq. Ft	126.5 Sq. Ft	132 Sq. Ft	137.5 Sq. Ft	143 Sq. Ft	148.5 Sq. Ft	154 Sq. Ft	159.5 Sq. Ft	165 Sq. Ft	170.5 Sq. Ft	176 Sq. Ft
12 ft.	30 Sq. Ft	36 Sq. Ft	42 Sq. Ft	48 Sq. Ft	54 Sq. Ft	60 Sq. Ft	66 Sq. Ft	72 Sq. Ft	78 Sq. Ft	84 Sq. Ft	90 Sq. Ft	96 Sq. Ft	102 Sq. Ft	108 Sq. Ft	114 Sq. Ft	120 Sq. Ft	126 Sq. Ft	132 Sq. Ft	138 Sq. Ft	144 Sq. Ft	150 Sq. Ft	156 Sq. Ft	162 Sq. Ft	168 Sq. Ft	174 Sq. Ft	180 Sq. Ft	186 Sq. Ft	192 Sq. Ft
13 ft.	32.5 Sq. Ft	39 Sq. Ft	45.5 Sq. Ft	52 Sq. Ft	58.5 Sq. Ft	65 Sq. Ft	71.5 Sq. Ft	78 Sq. Ft	84.5 Sq. Ft	91 Sq. Ft	97.5 Sq. Ft	104 Sq. Ft	110.5 Sq. Ft	117 Sq. Ft	123.5 Sq. Ft	130 Sq. Ft	136.5 Sq. Ft	143 Sq. Ft	149.5 Sq. Ft	156 Sq. Ft	162.5 Sq. Ft	169 Sq. Ft	175.5 Sq. Ft	182 Sq. Ft	188.5 Sq. Ft	195 Sq. Ft	201.5 Sq. Ft	208 Sq. Ft
14 ft.	35 Sq. Ft	42 Sq. Ft	49 Sq. Ft	56 Sq. Ft	63 Sq. Ft	70 Sq. Ft	77 Sq. Ft	84 Sq. Ft	91 Sq. Ft	98 Sq. Ft	105 Sq. Ft	112 Sq. Ft	119 Sq. Ft	126 Sq. Ft	133 Sq. Ft	140 Sq. Ft	147 Sq. Ft	154 Sq. Ft	161 Sq. Ft	168 Sq. Ft	175 Sq. Ft	182 Sq. Ft	189 Sq. Ft	196 Sq. Ft	203 Sq. Ft	210 Sq. Ft	217 Sq. Ft	224 Sq. Ft
15 ft.	37.5 Sq. Ft	45 Sq. Ft	52.5 Sq. Ft	60 Sq. Ft	67.5 Sq. Ft	75 Sq. Ft	82.5 Sq. Ft	90 Sq. Ft	97.5 Sq. Ft	105 Sq. Ft	112.5 Sq. Ft	120 Sq. Ft	127.5 Sq. Ft	135 Sq. Ft	142.5 Sq. Ft	150 Sq. Ft	157.5 Sq. Ft	165 Sq. Ft	172.5 Sq. Ft	180 Sq. Ft	187.5 Sq. Ft	195 Sq. Ft	202.5 Sq. Ft	210 Sq. Ft	217.5 Sq. Ft	225 Sq. Ft	232.5 Sq. Ft	240 Sq. Ft
16 ft.	40 Sq. Ft	48 Sq. Ft	56 Sq. Ft	64 Sq. Ft	72 Sq. Ft	80 Sq. Ft	88 Sq. Ft	96 Sq. Ft	104 Sq. Ft	112 Sq. Ft	120 Sq. Ft	128 Sq. Ft	136 Sq. Ft	144 Sq. Ft	152 Sq. Ft	160 Sq. Ft	168 Sq. Ft	176 Sq. Ft	184 Sq. Ft	192 Sq. Ft	200 Sq. Ft	208 Sq. Ft	216 Sq. Ft	224 Sq. Ft	232 Sq. Ft	240 Sq. Ft	248 Sq. Ft	256 Sq. Ft
17 ft.	42.5 Sq. Ft	51 Sq. Ft	59.5 Sq. Ft	68 Sq. Ft	76.5 Sq. Ft	85 Sq. Ft	93.5 Sq. Ft	102 Sq. Ft	110.5 Sq. Ft	119 Sq. Ft	127.5 Sq. Ft	136 Sq. Ft	144.5 Sq. Ft	153 Sq. Ft	161.5 Sq. Ft	170 Sq. Ft	178.5 Sq. Ft	187 Sq. Ft	195.5 Sq. Ft	204 Sq. Ft	212.5 Sq. Ft	221 Sq. Ft	229.5 Sq. Ft	238 Sq. Ft	246.5 Sq. Ft	255 Sq. Ft	263.5 Sq. Ft	272 Sq. Ft
18 ft.	45 Sq. Ft	54 Sq. Ft	63 Sq. Ft	72 Sq. Ft	81 Sq. Ft	90 Sq. Ft	99 Sq. Ft	108 Sq. Ft	117 Sq. Ft	126 Sq. Ft	135 Sq. Ft	144 Sq. Ft	153 Sq. Ft	162 Sq. Ft	171 Sq. Ft	180 Sq. Ft	189 Sq. Ft	198 Sq. Ft	207 Sq. Ft	216 Sq. Ft	225 Sq. Ft	234 Sq. Ft	243 Sq. Ft	252 Sq. Ft	261 Sq. Ft	270 Sq. Ft	279 Sq. Ft	288 Sq. Ft
19 ft.	47.5 Sq. Ft	57 Sq. Ft	66.5 Sq. Ft	76 Sq. Ft	85.5 Sq. Ft	95 Sq. Ft	104.5 Sq. Ft	114 Sq. Ft	123.5 Sq. Ft	133 Sq. Ft	142.5 Sq. Ft	152 Sq. Ft	161.5 Sq. Ft	171 Sq. Ft	180.5 Sq. Ft	190 Sq. Ft	199.5 Sq. Ft	209 Sq. Ft	218.5 Sq. Ft	228 Sq. Ft	237.5 Sq. Ft	247 Sq. Ft	256.5 Sq. Ft	266 Sq. Ft	275.5 Sq. Ft	285 Sq. Ft	294.5 Sq. Ft	304 Sq. Ft
20 ft.	50 Sq. Ft	60 Sq. Ft	70 Sq. Ft	80 Sq. Ft	90 Sq. Ft	100 Sq. Ft	110 Sq. Ft	120 Sq. Ft	130 Sq. Ft	140 Sq. Ft	150 Sq. Ft	160 Sq. Ft	170 Sq. Ft	180 Sq. Ft	190 Sq. Ft	200 Sq. Ft	210 Sq. Ft	220 Sq. Ft	230 Sq. Ft	240 Sq. Ft	250 Sq. Ft	260 Sq. Ft	270 Sq. Ft	280 Sq. Ft	290 Sq. Ft	300 Sq. Ft	310 Sq. Ft	320 Sq. Ft
21 ft.	52.5 Sq. Ft	63 Sq. Ft	73.5 Sq. Ft	84 Sq. Ft	94.5 Sq. Ft	105 Sq. Ft	115.5 Sq. Ft	126 Sq. Ft	136.5 Sq. Ft	147 Sq. Ft	157.5 Sq. Ft	168 Sq. Ft	178.5 Sq. Ft	189 Sq. Ft	199.5 Sq. Ft	210 Sq. Ft	220.5 Sq. Ft	231 Sq. Ft	241.5 Sq. Ft	252 Sq. Ft	262.5 Sq. Ft	273 Sq. Ft	283.5 Sq. Ft	294 Sq. Ft	304.5 Sq. Ft	315 Sq. Ft	325.5 Sq. Ft	336 Sq. Ft
	•		Type "A" 1.2 C\ 68 LBs E	Conc.									Type "B" (2 Posts) 1.6 CY Conc. 98 LBs Bar Steel								1.8 C	" (2 Posts) Y Conc. s Bar Steel			Type "D" (2 Posts 1.8 CY Conc. 112 LBs Bar Steel	,	2.7 C	" (3 Posts) Y Conc. Bar Steel

STEEL POST SIZE

"A" - W10" x 12"

"B" - W12" x 16"

"C" - W12" x 19"

"D" - W12 x 22"

DETERMINATION OF HIGH STRENGTH
STRUCTURAL STEEL SIGN SUPPORT TYPE

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rawh

for State Traffic Engineer

DATE 3/03/10 PLATE NO. \_A3-2.2

SHEET NO:

PROJECT NO:

PLOT DATE: 05-MAR-2010 10:10

FILE NAME : C:\users\PROJECTS\tr\_stdplate\A32.DGN

VERTICAL DI	MENSION 👄
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				Type "A" (2	2 Posts)								_																
<b>⊘</b> ′5	<b>₹</b> 2	2.5 ft.	3 ft.	3.5 ft.	4 ft.	4.5 ft.	5 ft.	5.5 ft.	6 ft.	6.5 ft.	7 ft.	7.5 ft.	8 ft.	8.5 ft.	9 ft.	9.5 ft.	10 ft.	10.5 ft.	11 ft.	11.5 ft.	12 ft.	12.5 ft.	13 ft.	13.5 ft.	14 ft.	14.5 ft.	15 ft.	15.5 ft.	16 ft.
22 f	<b>t.</b> 55	55 Sq. Ft	66 Sq. Ft	77 Sq. Ft	88 Sq. Ft	99 Sq. Ft	110 Sq. Ft	121 Sq. Ft	132 Sq. Ft	143 Sq. Ft	154 Sq. Ft	165 Sq. Ft	176 Sq. Ft	187 Sq. Ft	198 Sq. Ft	209 Sq. Ft	220 Sq. Ft	231 Sq. Ft	242 Sq. Ft	253 Sq. Ft	264 Sq. Ft	275 Sq. Ft	286 Sq. Ft	297 Sq. Ft	308 Sq. Ft	319 Sq. Ft	330 Sq. Ft	341 Sq. Ft	352 Sq.
23 f	<b>t.</b> 57.	7.5 Sq. Ft	69 Sq. Ft	80.5 Sq. Ft	92 Sq. Ft	103.5 Sq. Ft	115 Sq. Ft	126.5 Sq. Ft	138 Sq. Ft	149.5 Sq. Ft	161 Sq. Ft	172.5 Sq. Ft	184 Sq. Ft	195.5 Sq. Ft	207 Sq. Ft	218.5 Sq. Ft	230 Sq. Ft	241.5 Sq. Ft	253 Sq. Ft	264.5 Sq. Ft	276 Sq. Ft	287.5 Sq. Ft	299 Sq. Ft	310.5 Sq. Ft	322 Sq. Ft	333.5 Sq. Ft	345 Sq. Ft	356.5 Sq. Ft	368 Sq.
24 f	<b>t.</b> 60	60 Sq. Ft	72 Sq. Ft	84 Sq. Ft	96 Sq. Ft	108 Sq. Ft	120 Sq. Ft	132 Sq. Ft	144 Sq. Ft	156 Sq. Ft	168 Sq. Ft	180 Sq. Ft	192 Sq. Ft	204 Sq. Ft	216 Sq. Ft	228 Sq. Ft	240 Sq. Ft	252 Sq. Ft	264 Sq. Ft	276 Sq. Ft	288 Sq. Ft	300 Sq. Ft	312 Sq. Ft	324 Sq. Ft	336 Sq. Ft	348 Sq. Ft	360 Sq. Ft	372 Sq. Ft	384 Sq.
25 f	<b>t.</b> 62.	2.5 Sq. Ft	75 Sq. Ft	87.5 Sq. Ft	100 Sq. Ft	112.5 Sq. Ft	125 Sq. Ft	137.5 Sq. Ft	150 Sq. Ft	162.5 Sq. Ft	175 Sq. Ft	187.5 Sq. Ft	200 Sq. Ft	212.5 Sq. Ft	225 Sq. Ft	237.5 Sq. Ft	250 Sq. Ft	262.5 Sq. Ft	275 Sq. Ft	287.5 Sq. Ft	300 Sq. Ft	312.5 Sq. Ft	325 Sq. Ft	337.5 Sq. Ft	350 Sq. Ft	362.5 Sq. Ft	375 Sq. Ft	387.5 Sq. Ft	400 Sq. I
26 f	<b>t.</b> 65	55 Sq. Ft	78 Sq. Ft	91 Sq. Ft	104 Sq. Ft	117 Sq. Ft	130 Sq. Ft	143 Sq. Ft	156 Sq. Ft	169 Sq. Ft	182 Sq. Ft	195 Sq. Ft	208 Sq. Ft	221 Sq. Ft	234 Sq. Ft	247 Sq. Ft	260 Sq. Ft	273 Sq. Ft	286 Sq. Ft	299 Sq. Ft	312 Sq. Ft	325 Sq. Ft	338 Sq. Ft	351 Sq. Ft	364 Sq. Ft	377 Sq. Ft	390 Sq. Ft	403 Sq. Ft	416 Sq. I
27 f	<b>t.</b> 67.	7.5 Sq. Ft	81 Sq. Ft	94.5 Sq. Ft	108 Sq. Ft	121.5 Sq. Ft	135 Sq. Ft	148.5 Sq. Ft	162 Sq. Ft	175.5 Sq. Ft	189 Sq. Ft	202.5 Sq. Ft	216 Sq. Ft	229.5 Sq. Ft	243 Sq. Ft	256.5 Sq. Ft	270 Sq. Ft	283.5 Sq. Ft	297 Sq. Ft	310.5 Sq. Ft	324 Sq. Ft	337.5 Sq. Ft	351 Sq. Ft	364.5 Sq. Ft	378 Sq. Ft	391.5 Sq. Ft	405 Sq. Ft	418.5 Sq. Ft	432 Sq. F
28 f	<b>t.</b> 70	'0 Sq. Ft	84 Sq. Ft	98 Sq. Ft	112 Sq. Ft	126 Sq. Ft	140 Sq. Ft	154 Sq. Ft	168 Sq. Ft	182 Sq. Ft	196 Sq. Ft	210 Sq. Ft	224 Sq. Ft	238 Sq. Ft	252 Sq. Ft	266 Sq. Ft	280 Sq. Ft	294 Sq. Ft	308 Sq. Ft	322 Sq. Ft	336 Sq. Ft	350 Sq. Ft	364 Sq. Ft	378 Sq. Ft	392 Sq. Ft	406 Sq. Ft	420 Sq. Ft	434 Sq. Ft	448 Sq. I
29 f	<b>t.</b> 72.	2.5 Sq. Ft	87 Sq. Ft	101.5 Sq. Ft	116 Sq. Ft	130.5 Sq. Ft	145 Sq. Ft	159.5 Sq. Ft	174 Sq. Ft	188.5 Sq. Ft	203 Sq. Ft	217.5 Sq. Ft	232 Sq. Ft	246.5 Sq. Ft	261 Sq. Ft	275.5 Sq. Ft	290 Sq. Ft	304.5 Sq. Ft	319 Sq. Ft	333.5 Sq. Ft	348 Sq. Ft	362.5 Sq. Ft	377 Sq. Ft	391.5 Sq. Ft	406 Sq. Ft	420.5 Sq. Ft	435 Sq. Ft	449.5 Sq. Ft	464 Sq. F
30 fi	<b>t.</b> 75	'5 Sq. Ft	90 Sq. Ft	105 Sq. Ft	120 Sq. Ft	135 Sq. Ft	150 Sq. Ft	165 Sq. Ft	180 Sq. Ft	195 Sq. Ft	210 Sq. Ft	225 Sq. Ft	240 Sq. Ft	255 Sq. Ft	270 Sq. Ft	285 Sq. Ft	300 Sq. Ft	315 Sq. Ft	330 Sq. Ft	345 Sq. Ft	360 Sq. Ft	375 Sq. Ft	390 Sq. Ft	405 Sq. Ft	420 Sq. Ft	435 Sq. Ft	450 Sq. Ft	465 Sq. Ft	480 Sq. F
31 f	t. 77.	7.5 Sq. Ft	93 Sq. Ft	108.5 Sq. Ft	124 Sq. Ft	139.5 Sq. Ft	155 Sq. Ft	170.5 Sq. Ft	186 Sq. Ft	201.5 Sq. Ft	217 Sq. Ft	232.5 Sq. Ft	248 Sq. Ft	263.5 Sq. Ft	279 Sq. Ft	294.5 Sq. Ft	310 Sq. Ft	325.5 Sq. Ft	341 Sq. Ft	356.5 Sq. Ft	372 Sq. Ft	387.5 Sq. Ft	403 Sq. Ft	418.5 Sq. Ft	434 Sq. Ft	449.5 Sq. Ft	465 Sq. Ft	480.5 Sq. Ft	496 Sq. F
32 ff	<b>t.</b> 80	30 Sq. Ft	96 Sq. Ft	112 Sq. Ft	128 Sq. Ft	144 Sq. Ft	160 Sq. Ft	176 Sq. Ft	192 Sq. Ft	208 Sq. Ft	224 Sq. Ft	240 Sq. Ft	256 Sq. Ft	272 Sq. Ft	288 Sq. Ft	304 Sq. Ft	320 Sq. Ft	336 Sq. Ft	352 Sq. Ft	368 Sq. Ft	384 Sq. Ft	400 Sq. Ft	416 Sq. Ft	432 Sq. Ft	448 Sq. Ft	464 Sq. Ft	480 Sq. Ft	496 Sq. Ft	512 Sq. F
33 ff	<b>t.</b> 82.	2.5 Sq. Ft	99 Sq. Ft	115.5 Sq. Ft	132 Sq. Ft	148.5 Sq. Ft	165 Sq. Ft	181.5 Sq. Ft	198 Sq. Ft	214.5 Sq. Ft	231 Sq. Ft	247.5 Sq. Ft	264 Sq. Ft	280.5 Sq. Ft	297 Sq. Ft	313.5 Sq. Ft	330 Sq. Ft	346.5 Sq. Ft	363 Sq. Ft	379.5 Sq. Ft	396 Sq. Ft	412.5 Sq. Ft	429 Sq. Ft	445.5 Sq. Ft	462 Sq. Ft	478.5 Sq. Ft	495 Sq. Ft	511.5 Sq. Ft	528 Sq. F
34 ft	<b>t.</b> 85	35 Sq. Ft	102 Sq. Ft	119 Sq. Ft	136 Sq. Ft	153 Sq. Ft	170 Sq. Ft	187 Sq. Ft	204 Sq. Ft	221 Sq. Ft	238 Sq. Ft	255 Sq. Ft	272 Sq. Ft	289 Sq. Ft	306 Sq. Ft	323 Sq. Ft	340 Sq. Ft	357 Sq. Ft	374 Sq. Ft	391 Sq. Ft	408 Sq. Ft	425 Sq. Ft	442 Sq. Ft	459 Sq. Ft	476 Sq. Ft	493 Sq. Ft	510 Sq. Ft	527 Sq. Ft	544 Sq. F
35 ft	87.	7.5 Sq. Ft	105 Sq. Ft	122.5 Sq. Ft	140 Sq. Ft	157.5 Sq. Ft	175 Sq. Ft	192.5 Sq. Ft	210 Sq. Ft	227.5 Sq. Ft	245 Sq. Ft	262.5 Sq. Ft	280 Sq. Ft	297.5 Sq. Ft	315 Sq. Ft	332.5 Sq. Ft	350 Sq. Ft	367.5 Sq. Ft	385 Sq. Ft	402.5 Sq. Ft	420 Sq. Ft	437.5 Sq. Ft	455 Sq. Ft	472.5 Sq. Ft	490 Sq. Ft	507.5 Sq. Ft	525 Sq. Ft	542.5 Sq. Ft	560 Sq. F
36 ft	90	00 Sq. Ft	108 Sq. Ft	126 Sq. Ft	144 Sq. Ft	162 Sq. Ft	180 Sq. Ft	198 Sq. Ft	216 Sq. Ft	234 Sq. Ft	252 Sq. Ft	270 Sq. Ft	288 Sq. Ft	306 Sq. Ft	324 Sq. Ft	342 Sq. Ft	360 Sq. Ft	378 Sq. Ft	396 Sq. Ft	414 Sq. Ft	432 Sq. Ft	450 Sq. Ft	468 Sq. Ft	486 Sq. Ft	504 Sq. Ft	522 Sq. Ft	540 Sq. Ft	558 Sq. Ft	576 Sq. F
					•	Type "B" (2 Posts 1.6 CY Conc. 98 LBs Bar Steel		1			•	<b>'</b>		Type "C" (2 Posts) 1.8 CY Conc. 100 LBs Bar Steel		1.8 CY	" (2 Posts) ' Conc. Bar Steel		Type "C" (3 Pos 2.7 CY Conc. 150 LBs Bar Ste			Type "D" (3 Posts) 2.7 CY Conc. 168 LBs Bar Steel			•		<b>,</b>	1	•

#### STEEL POST SIZE

"A" - W10" x 12"

"B" - W12" x 16"

"C" - W12" x 19" "D" - W12 x 22"

> DETERMINATION OF HIGH STRENGTH STRUCTURAL STEEL SIGN SUPPORT TYPE

> > WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch For State Traffic Engineer

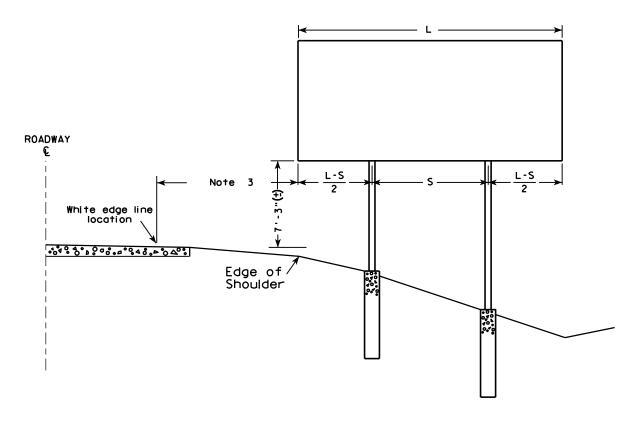
DATE 3/5/10 

SHEET NO:

PROJECT NO:

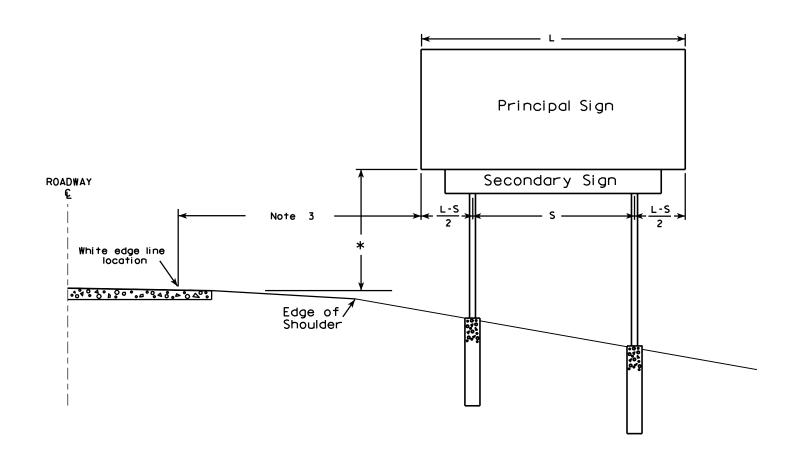
PLOT DATE: 05-MAR-2010 10:07

FILE NAME : C:\users\PROJECTS\tr\_stdplate\A33.DGN



#### GENERAL NOTES

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



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

TYPICAL INSTALLATION
OF TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch

For State Traffic Engineer

DATE 4/02/08 PLATE NO. A4-1.9

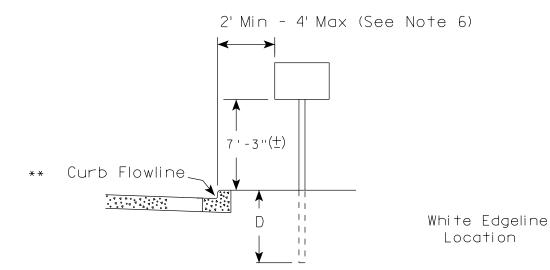
SHEET NO:

PLOT BY : ditjph

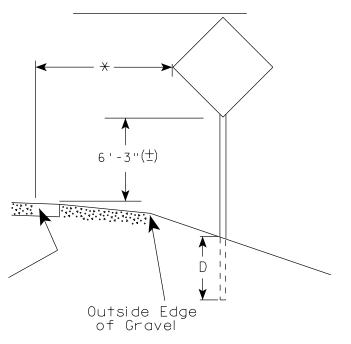
PLOT DATE: 02-APR-2008 15:49



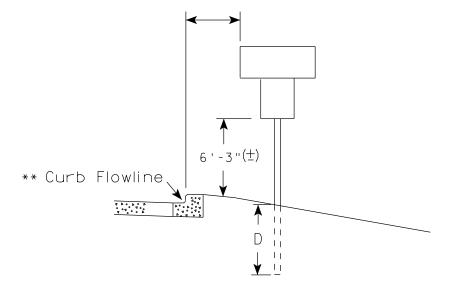
#### urban area



RURAL AREA (See Note 2)



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



White Edgeline
Location

Outside Edge
of Gravel

\*\* The existence of curb and gutter does not in itself mandate the vertical clearance illustrated.

That height is typically measured where

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

HWY:

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

PLOT BY : mscj9h

#### GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, 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'' ( $\pm$ ) or 6'-3'' ( $\pm$ ) per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is  $5'-3''(\underline{+})$ .
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The  $(\pm)$  tolerance for mounting height is 3 inches.
- 8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3"  $(\pm)$  or as directed by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (+).

#### POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauh
For State Traffic Engineer

DATE 9/30/13

\_\_\_\_

SHEET NO:

COUNTY:

JN I Y:

PLOT DATE: 30-SEP-2013 13:25

PLOT NAME :

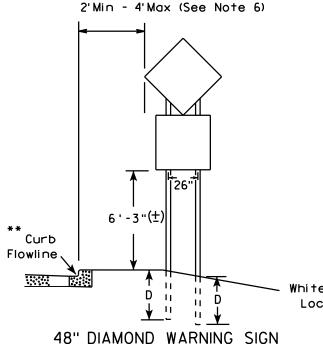
PLOT SCALE: 99.237937:1.000000

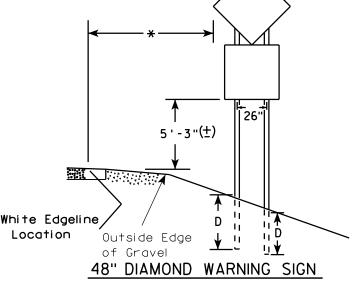
WISDOT/CADDS SHEET 42

#### GENERAL NOTES

- 1. For 3 or 4 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" ( $\pm$ ) or 6'-3" ( $\pm$ ) 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.

#### URBAN AREA RURAL AREA (See Note 3) 2'Min - 4'Max (See Note 6) ₩E# FF# 6'-3"(±) 6'-3"(±) 7'-3"(±) \*\* Curb **\*\*\*\***\ Flowline D 700 M White Edgeline D 11 White Edgeline, Location Outside Edae Location Outside Edge of Gravel





COUNTY:

of Gravel

	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRED	
	L	E
<del>* * *</del>	Greater than 48" Less than 60"	12"
	60" to 120"	L/5

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

HWY:

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

#### POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

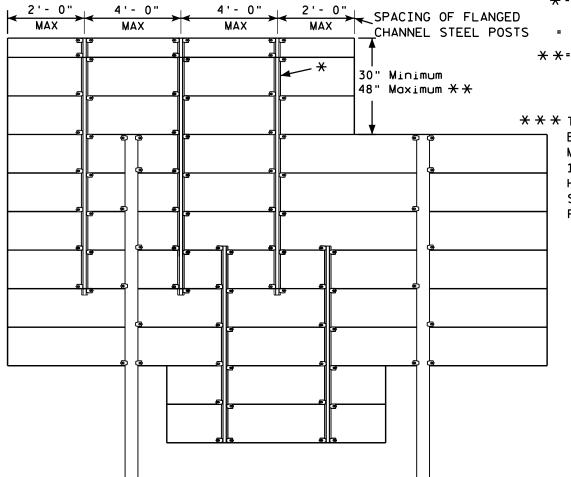
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther For State Traffic Engineer

PLATE NO. A4-4.12 DATE 9/30/13

SHEET NO: PLOT BY: mscj9h





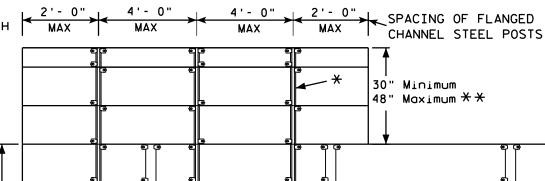
\*=2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH

CHANNEL STEEL POSTS = 60,000 PSI (GRADE 60) GALVANIZED

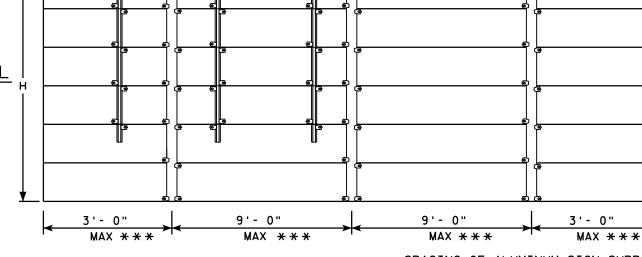
SIGN BRIDGE MOUNTED SIGN

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

\* \* THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.



FLANGE CHANNEL DETAIL 1/<sub>4</sub> → NOT TO SCALE



SPACING OF ALUMINUM SIGN SUPPORTS 5" X 3.5" X 3.7 LBS./ft.

#### GENERAL NOTES

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

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

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

3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.

2'- 0"

- 4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
- 5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
- 6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

PLOT BY: mscs.ja

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

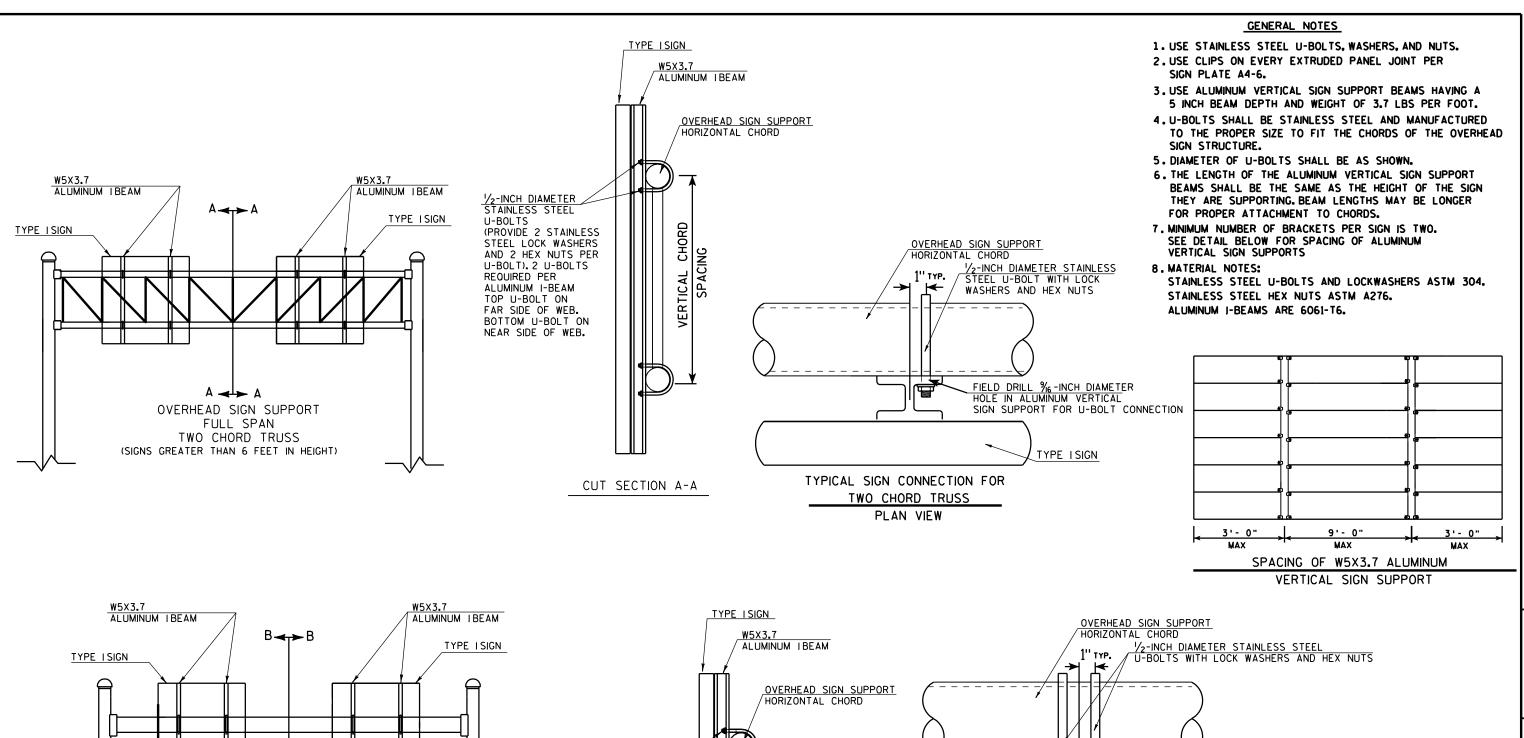
DATE 12/05/13

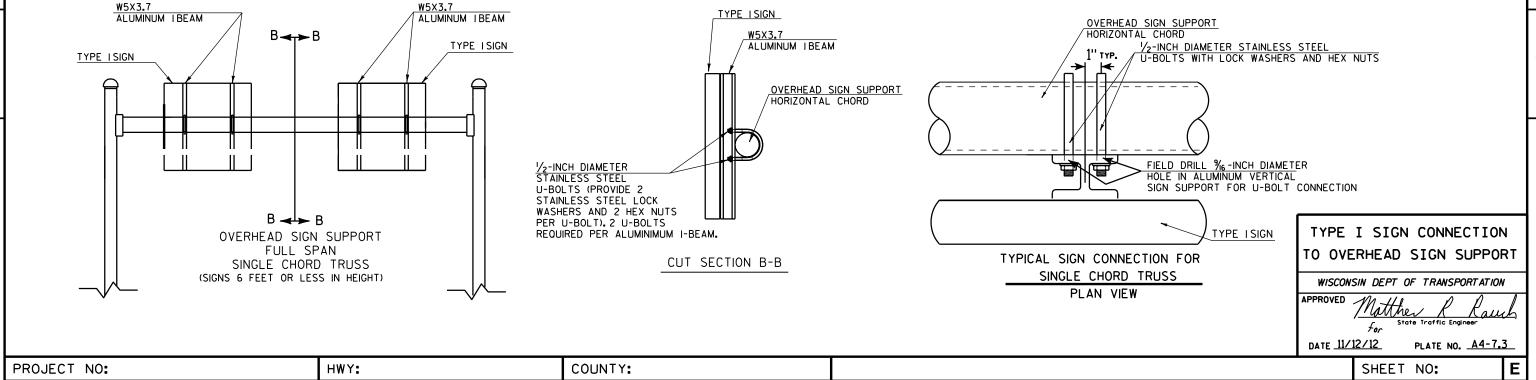
PLATE NO. A4-6.12

SHEET NO:

PROJECT NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A46.DGN



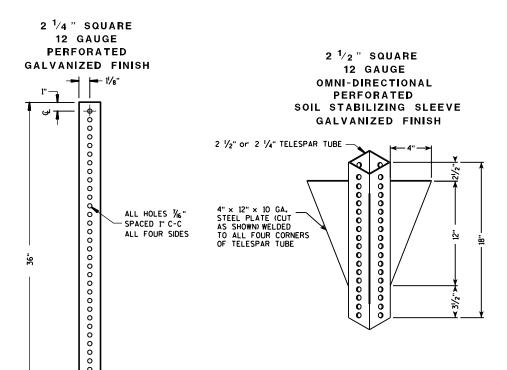


FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A47.DGN

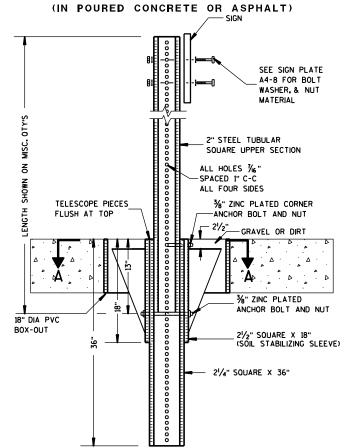
PLOT BY : msc i9h



#### TELESCOPIC TUBING ANCHORS TWO PIECE SYSTEM



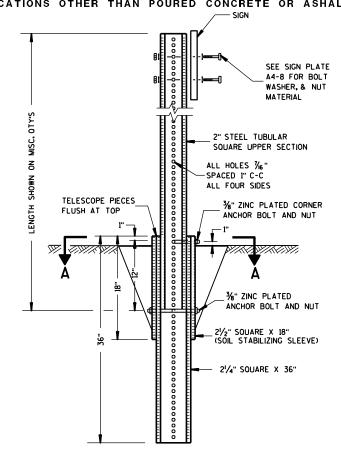
HWY:

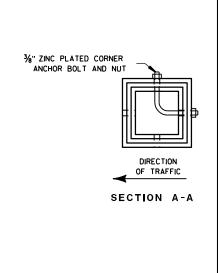


DETAIL OF TUBULAR STEEL SIGN POST

#### DETAIL OF TUBULAR STEEL SIGN POST

(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASHALT)





Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL SIGN POST A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

For State Traffic Engineer DATE <u>5/30/1</u>2 PLATE NO. <u>A4-9.7</u>

SHEET NO:

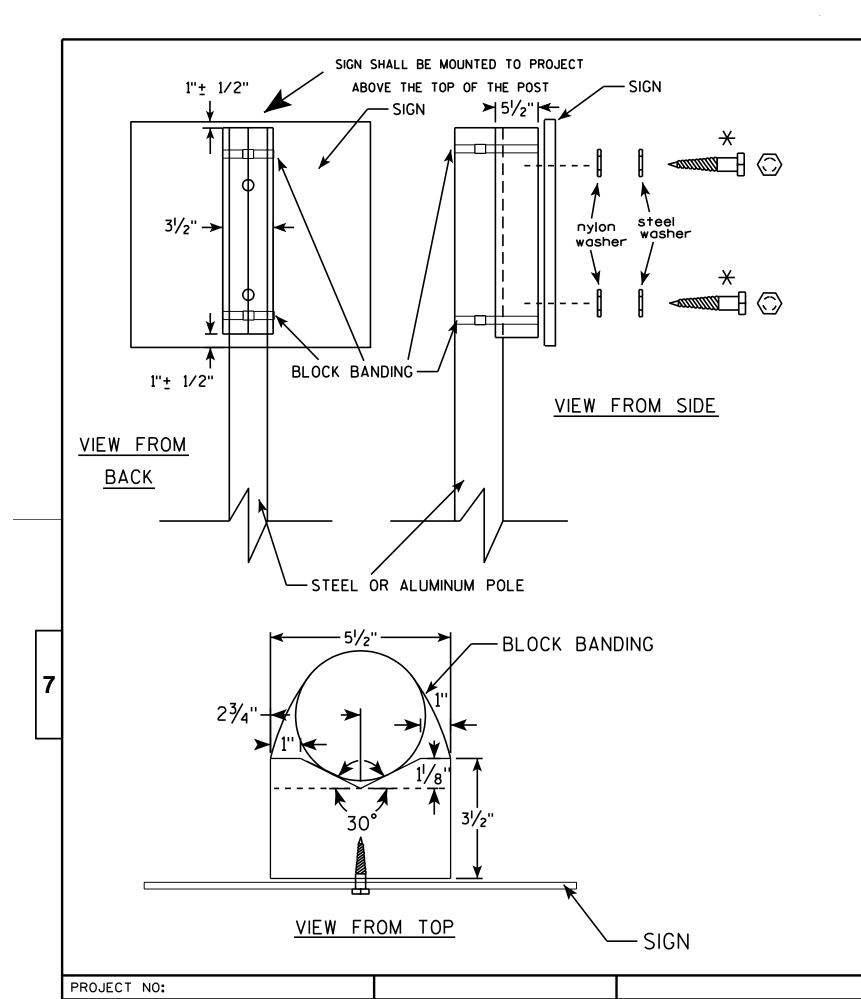
PROJECT NO: FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A49.DGN COUNTY:

PLOT DATE: 30-MAY-2012 14:04

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE : 13.933009:1.000000



#### GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, 3/4" WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
  - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
  - b. Cadmium plated in accordance with ASTM Designation: B 766 TYPE 3, Class 12, or
  - c. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE 11/4" O.D. X 3/8" I.D. X 1/16"
- 8. NYLON WASHERS SHALL BE  $1^{1}/_{4}$ " O.D. X  $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

X LAG BOLTS SHALL BE 3/8" X 21/2"

BLOCK BANDING DETAIL ( V-BLOCK OPTION ) WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer PLATE NO. <u>A5-10.1</u>

DATE 7/12/07

SHEET NO:

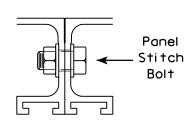
#### STITCH BOLT, WASHER & NUT

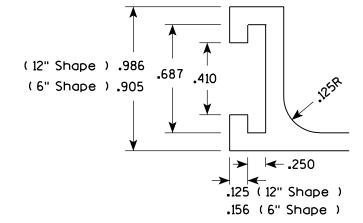
The hardware includes:

3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy

3/8 " - Stainless steel stop nut

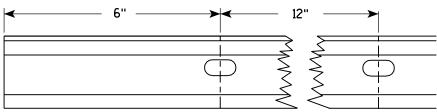
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy







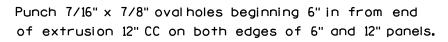
**←.**125

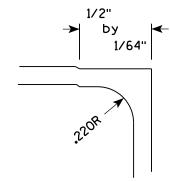


.078

**←** 2" →

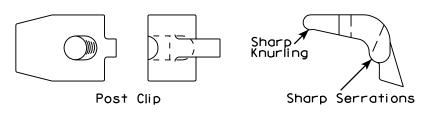
6" Extrusion Minimum Weight 1.1 lb./ft.

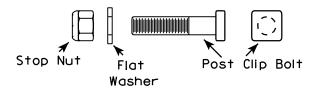




#### POST CLIP, POST CLIP BOLT, WASHER & NUT

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





#### NOTES

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

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED hester J Spang For State Traffic Engineer PLATE NO. 45-2.9

DATE 11/18/99

SHEET NO:

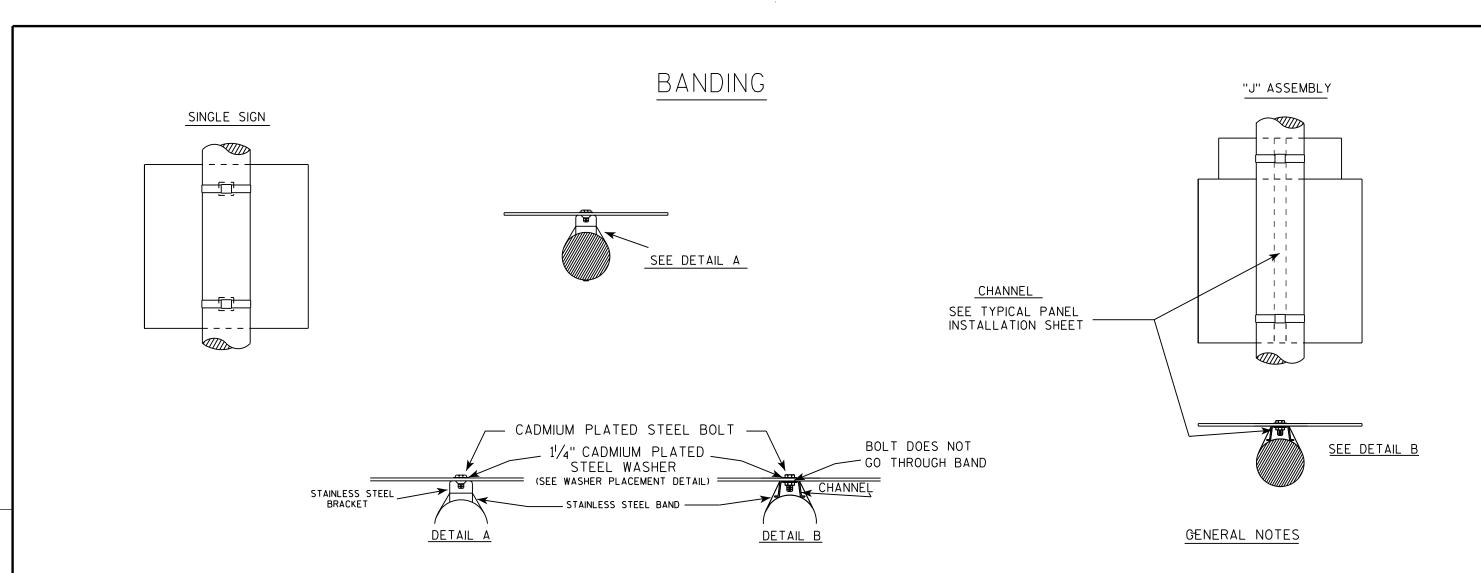
PROJECT NO:

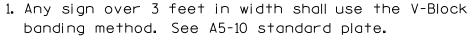
PLOT DATE: 28-SEP-2005 07:20 PLOT BY : DOTDZK

12" Extrusion

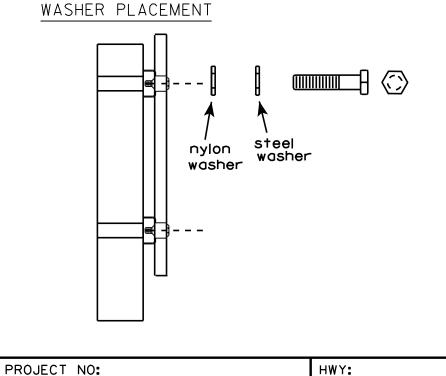
Minimum Weight

2.45 lb./ft.





- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be  $\frac{3}{4}$ " in width and 0.025" thickness.



WASHERS (ALL POSTS) -

COUNTY:

1-1/4" O.D. X3/8" I.D. X1/16" STEEL 1-1/4" O.D. X3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer DATE 8/16/13

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A59.DGN

PLOT DATE: 16-AUG-2013 13:27

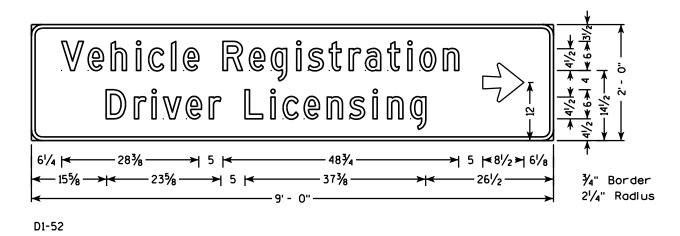
PLOT BY: mscsja

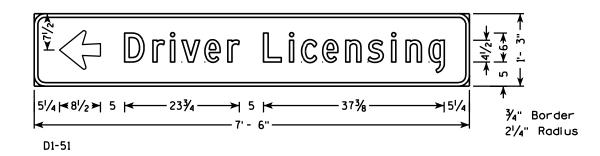
PLOT NAME :

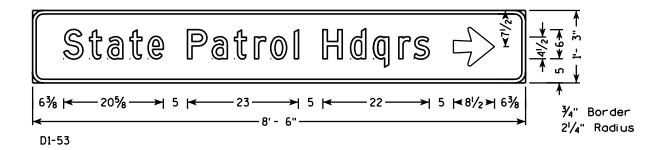
PLOT SCALE: 33.740899:1.000000

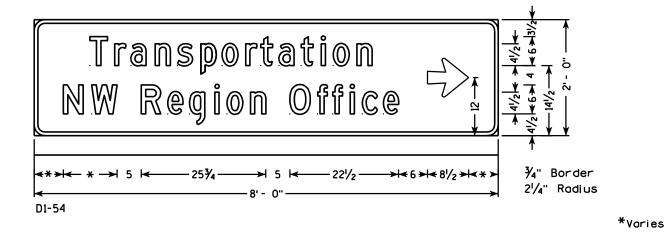
WISDOT/CADDS SHEET 42

PLATE NO. A5-9.3









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 - Green Message - White

- 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. For Region Offices Substitute appropriate message and adjust horizontal spacing as needed.

TYPICAL STANDARD D1-51 THRU D1-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 11/07/05

PLATE NO. <u>D1-51.2</u>

SHEET NO:

FILE NAME: C:\Users\Projects\tr\_stdplate\D151.DGN

PROJECT NO:

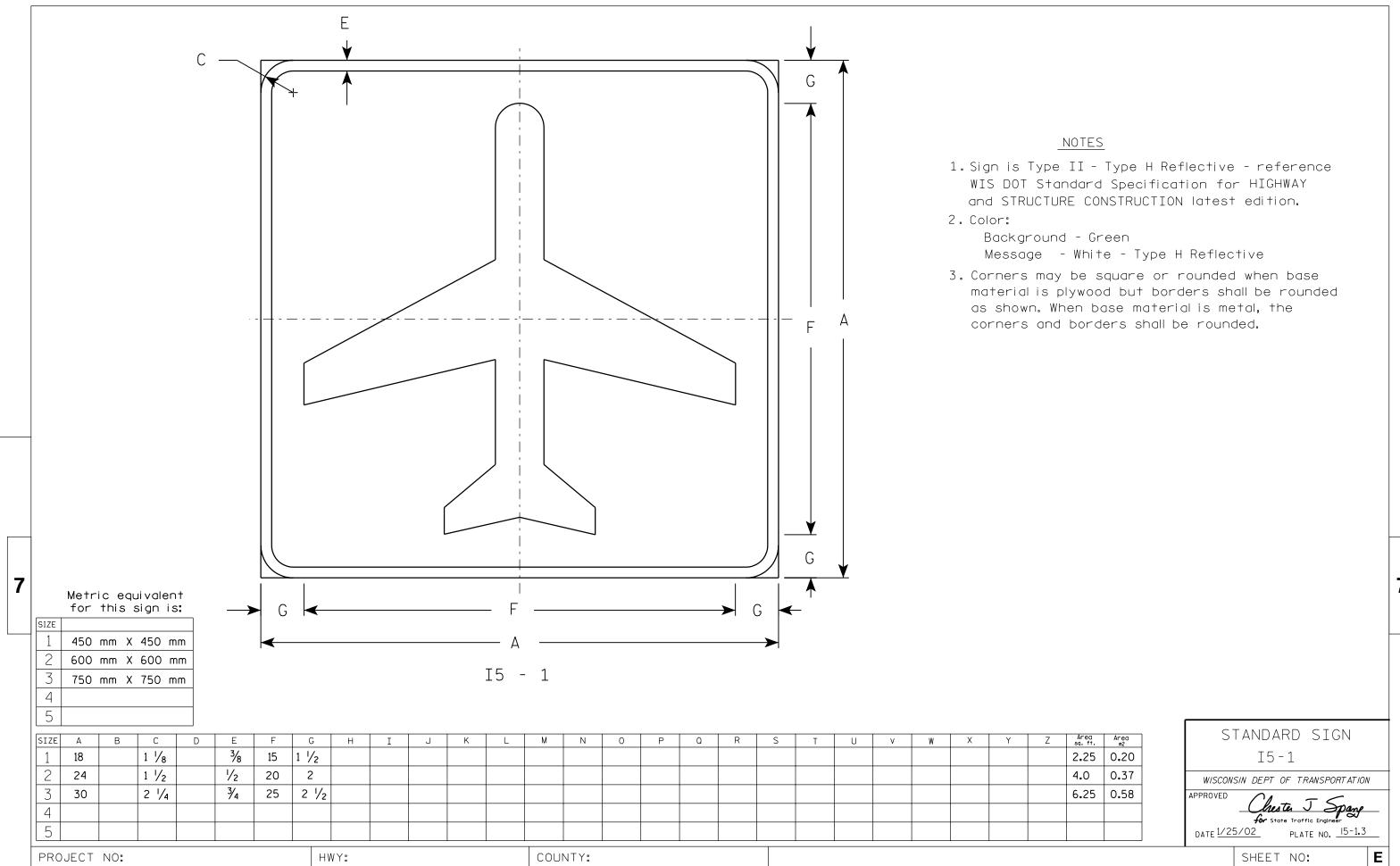
PLOT DATE: 07-NOV-2005 15:24

COUNTY:

PLOT NAME :

PLOT BY : DOTSJA

PLOT SCALE: 19.863478:1.000000



FILE NAME : C:\Users\Projects\tr\_stdplate\I51.DGN

PLOT DATE : 13-OCT-2005 11:47 PLOT BY : DITJPH PLOT NAME : WISDOT/CADDS SHEET 42

# 1. Sign is Ty

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

2. Color:

Background - White Message - (See Note 5)

NOTES

- 3. Message Series (See Note 6)
- 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. Border Blue

Line 1 - Red

Line 2 - Black

Line 3-5 - Blue

6. Line 1 - Dutch 8011L

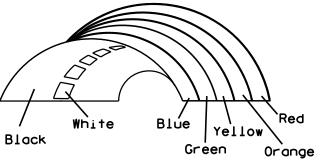
Line 2 - Series E

Line 3-5 - Series C

7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.



Background Colors of Symbol\*



\*1/4" Black Border between each color of rainbow and border of rainbow

5																											
3																											
2	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 1/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
1																											
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Ar sq.

STANDARD SIGN I55-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Mather R Rauch

For State Traffic Engineer

DATE 4/27/11 PLATE NO. 155-56.3

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\I5556.DGN

PLOT DATE: 27-APR-2011 10:05

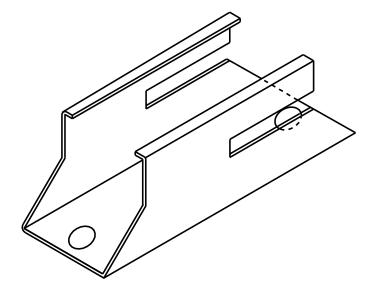
PLOT BY: mscj9h

PLOT SCALE: 7.9

PLOT NAME :

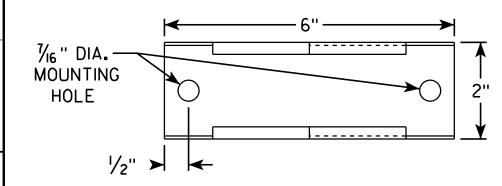
PLOT SCALE: 7.945391:1.000000

#### ISOMETRIC VIEW

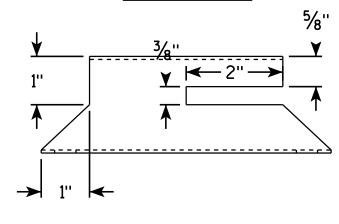


#### TOP VIEW

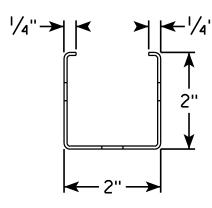
HWY:



#### SIDE VIEW



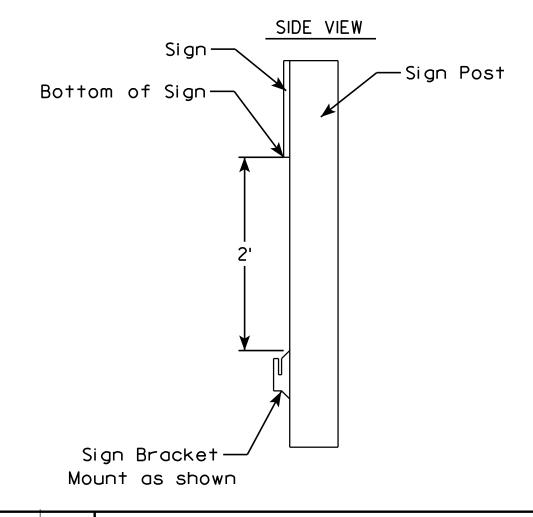
## END VIEW



COUNTY:

#### NOTES

- Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
- 2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
- 3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
- 4. Shall have rounded edges with at least  $\frac{1}{8}$ " radii.
- 5. Shall not have unrounded and uncoated metaledges which can contact the back surface of the roll-up sign.
- 6. Top of bracket shall be mounted 2' below the bottom of the 155-56 sign.
- 7. Cost of bracket and fastening hardware shall be incidental to the 155-56 sign.



PLOT BY : ditjph

ROLLUP SIGN BRACKET I55-56B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 2/5/10 PLATE NO. 155-56B.1

SHEET NO:

PLOT NAME :

PLOT SCALE: 1.986348:1.000000

WISDOT/CADDS SHEET 42

- 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

	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	<b>.</b> 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	<b>.</b> 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	<b>.</b> 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

- 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	<b>↑</b> G <b>→ ↑</b> F <b>→ → ↑ → → → → → → → → → →</b>
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	<b>.</b> 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	<b>.</b> 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	<sup>2</sup> /8	10 /8	33												9.0

COUNTY:

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

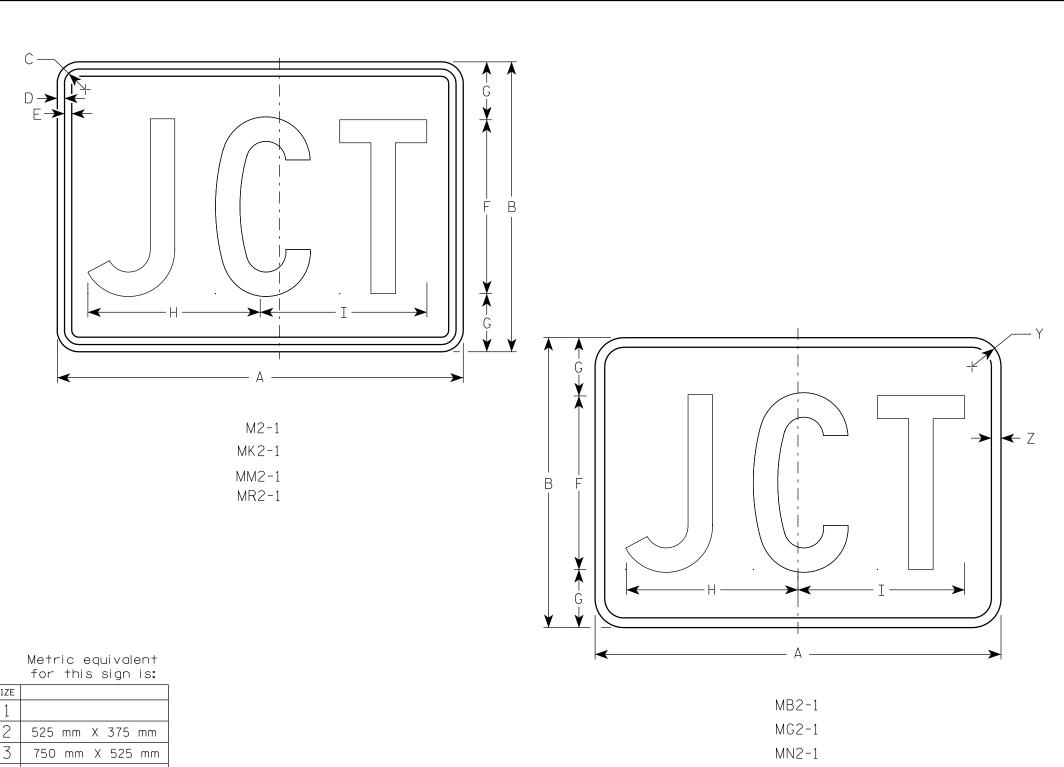
APPROVED

The state Traffic Engineer

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

SHEET NO:

\_\_\_\_



- 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	Ξ.	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.	Area m2
1																													
2	2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 %																1 1/2	1/2	2.20	0.20
3	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

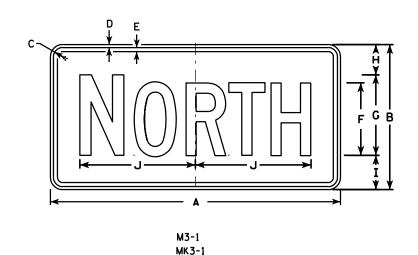
DATE 3/16/10

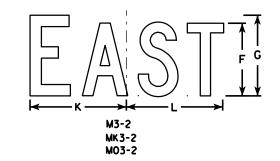
PLATE NO. M2-1.10 SHEET NO:

WISDOT/CADDS SHEET 42

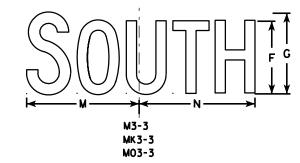
PLOT NAME : PLOT DATE: 16-MAR-2010 09:49 PLOT SCALE: 4.965868:1.000000 PLOT BY: dotsja

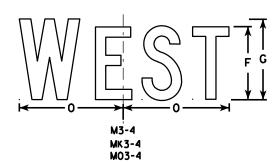
HWY:



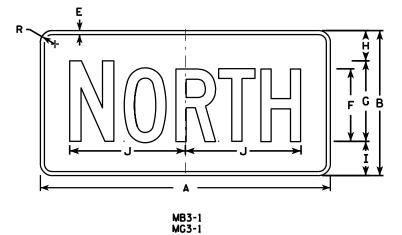


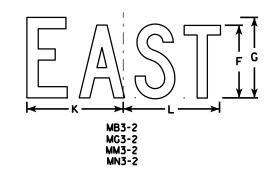
MO3-1





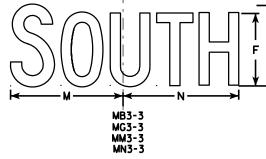
HWY:

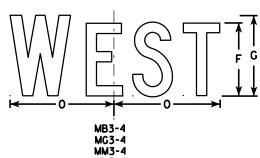




MM3-1

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	Area 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 ¾	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

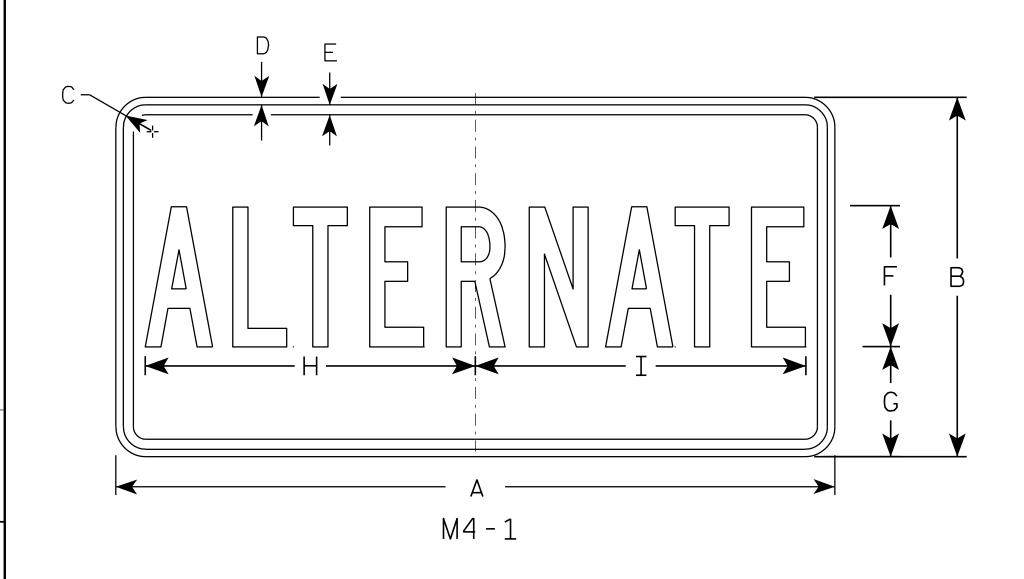
APPROVED

For State Traffic Engineer

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

SHEET NO: E

PROJECT NO:



- 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 B
- 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. M4-1 Background White Type H Reflective Message Black
  - MB4-1 Background Blue Message - White - Type H Reflective
  - M04-1 Background Orange Reflective Message - Black

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3⁄8	4	4	9 3/4	9 1/2																		2.00
3	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5
5	36	18	1 1/2	3⁄8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5

COUNTY:

STANDARD SIGN M4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rawh

For State Traffic Engineer

DATE 11/10/10

CUEET NO.

SHEET NO:

PROJECT NO:

HWY:

PLOT NAME :

PLATE NO. M4-1.7

- 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. M5-1 and M5-2 Background White Type H Reflective Message Black
  - MB5-1 and MB5-2 Background Blue

    Message White Type H Reflective
  - MG5-1 and MG5-2 Background Green

    Message White Type H Reflective
  - MK5-1 and MK5-2 Background Green
    - Message White Type H Reflective
  - MM5-1 and MM5-2 Background White Type H Reflective Message Green
- MN5-1 and MN5-2 Background Brown

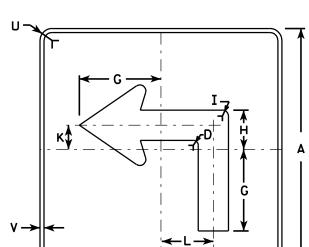
Message - White - Type H Reflective

- M05-1 and M05-2 Background Orange Type F Reflective Message - Black
- MP5-1 and MP5-2 Background White Type H Reflective Message Blue
- MR5-1 and MR5-2 Background Brown
  - Message Yellow Type H Reflective
- 5. M5-1R same as M5-1L except arrow points right.
- 6. M5-2R same as M5-2L except arrow tilts right.

c —	
D → E →	
Į.	<b>←</b>
·	M5-2L
	MK5-2L

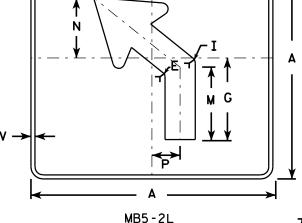
MK5-1L MM5-1L MO5-1L MP5-1L MR5-1L

M5-1L



MB5-1L MG5-1L MN5-1L

HWY:



MG5-2L

MN5-2L

MM5-2L

M05-2L

MP5-2L

MR5-2L

T A S

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	₩	Х	Y	Z	Areo sq. fi
1																											
2	21		1 1/8	3%	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 %	5 1/4	5	2 1/2		1/2	2 %	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 1/8	<b>7</b> /8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 1/8	<b>7</b> /8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 1/8	<b>½</b>		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M5-1 & M5-2

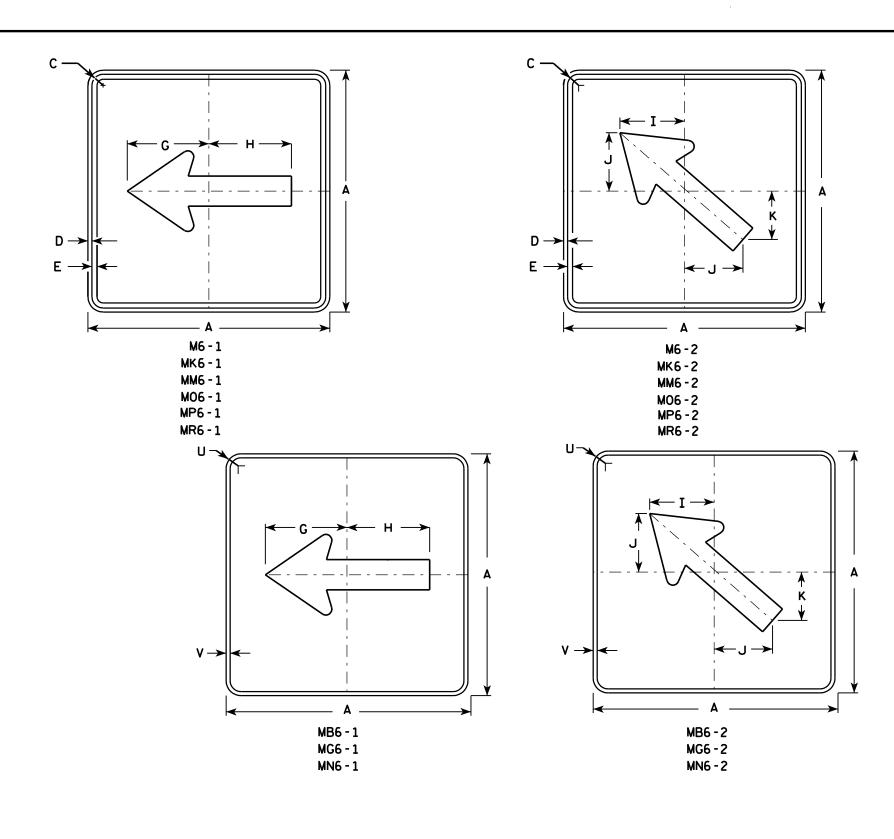
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer
DATE 7/29/13 PLATE NO. M5-1.12

SHEET NO:

PROJECT NO:



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

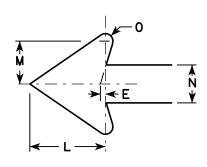
Background - See note 4 Message - See note 4

- 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 Message Black
  - MB6-1 and MB6-2 Background Blue Message - White - Type H 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 Type F Reflective Message - Black
  - MP6-1 and MP6-2 Background White Type H Reflective Message Blue
  - MR6-1 and MR6-2 Background Brown

    Message Yellow Type H Reflective



PLOT NAME :

SIZE	Α	В	С	D	Е	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	٧	₩	Х	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 %	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 ¾	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 ¾	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

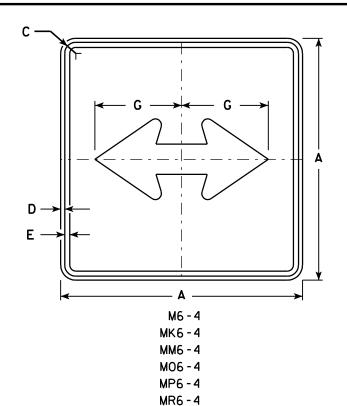
Matther R Rauch

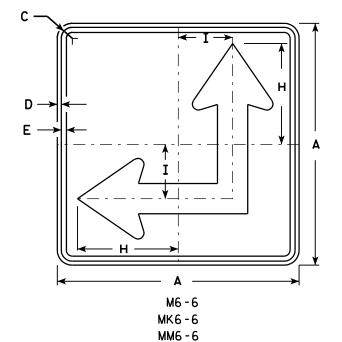
DATE 7/29/13 PLATE NO. M6-1.13

SHEET NO:

HWY:

PROJECT NO:

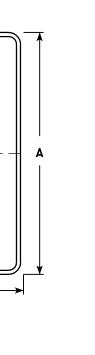




MO6-6

MP6-6

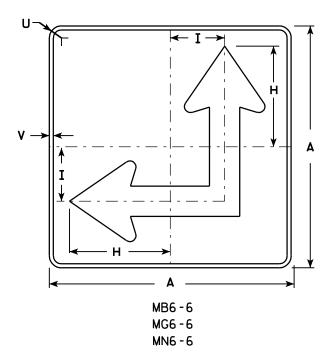
MR6-6



MB6-4

MG6 - 4

MN6 - 4



#### NOTES

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

MM6-4

and

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 Message Black
  - MB6-4 and MB6-6 Background Blue

Message - White - Type H 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
MM6-6 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 - Type F Reflective

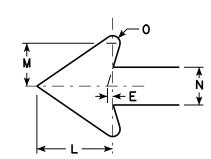
Message - Black

MP6-4 and MP6-6 Background - White - Type H Reflective

Message - Blue

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.



PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Areg sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 %	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
PRO	JECT	NO:					Н١	WY:					СОП	NTY:													

STANDARD SIGN M6-4 & M6-6 SERIES

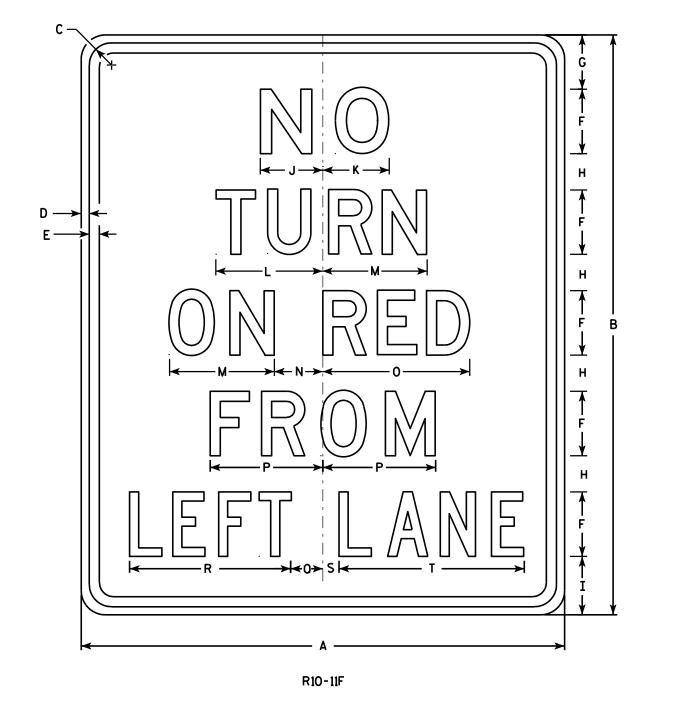
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Tor State Traffic Engineer

DATE 7/29/13 PLATE NO. M6-4.8

SHEET NO:



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

Background - White Message - Black

- 3. Message Series 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 is Series E.
  Lines 2, 3 and 4 are Series D.
  Line 5 is Series C.

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	4	3 3/8	2 1/4	3 %	3 %	4 1/8	6 %	6 ½	3	9 1/8	7	2	10	1	11 1/2							7.5
2M	30	36	1 3/8	1/2	5/8	4	3 %	2 1/4	3 %	3 %	4 1/8	6 %	6 ½	3	9 1/8	7	2	10	1	11 1/2							7.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R10-11F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 4/5/11 PLATE NO. R10-11F.3

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R1011F.DGN

PROJECT NO:

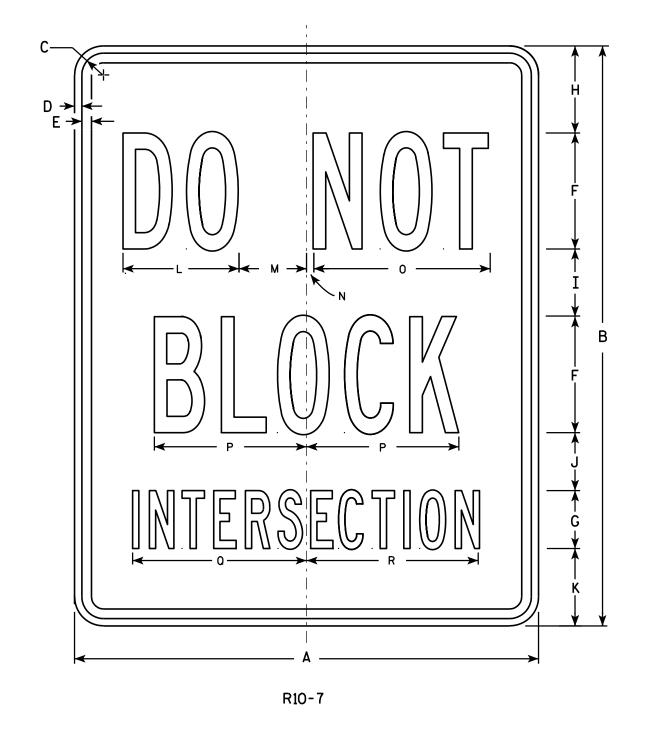
HWY:

PLOT DATE: 05-APR-2011 09:18

PLOT BY: mscj9h

PLOT NAME:

PLOT SCALE: 5.959043:1.000000



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

Background - White Message - Black

- 3. Message Series B
- 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.

н 3/8 4 1/2 3 1/2 3 3/8 9 1/8 7 7/8 24 30 | 1 1/8 | 1/2 3 1/2 9 8 1/8 5.0 6 2M 3/8 24 3/8 1/2 4 1/2 3 1/2 3 3 1/2 9 1/8 7 7/8 9 8 1/8 5.0 30 | 1 1/8 3 36 48 | 1 3/8 5/8 5 % 1/2 1/2 5 1/4 4 1/2 6 1/4 | 15 1/8 | 13 1/8 | 15 14 1/8 12.0 4 5

COUNTY:

STANDARD SIGN R10-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED for State Traffic Engineer PLATE NO. R10-7.5

DATE 4/5/11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R107.DGN

HWY:

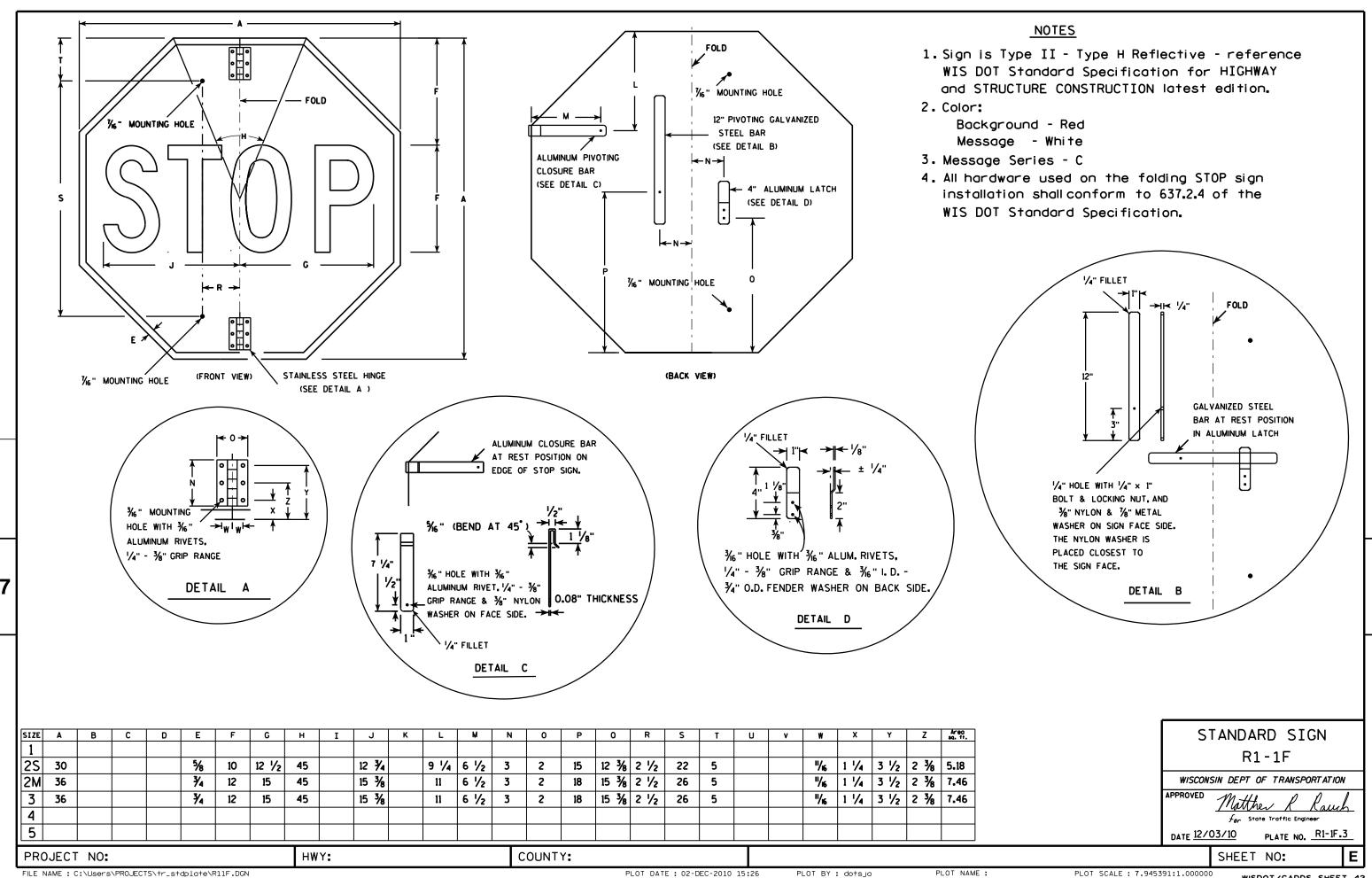
PROJECT NO:

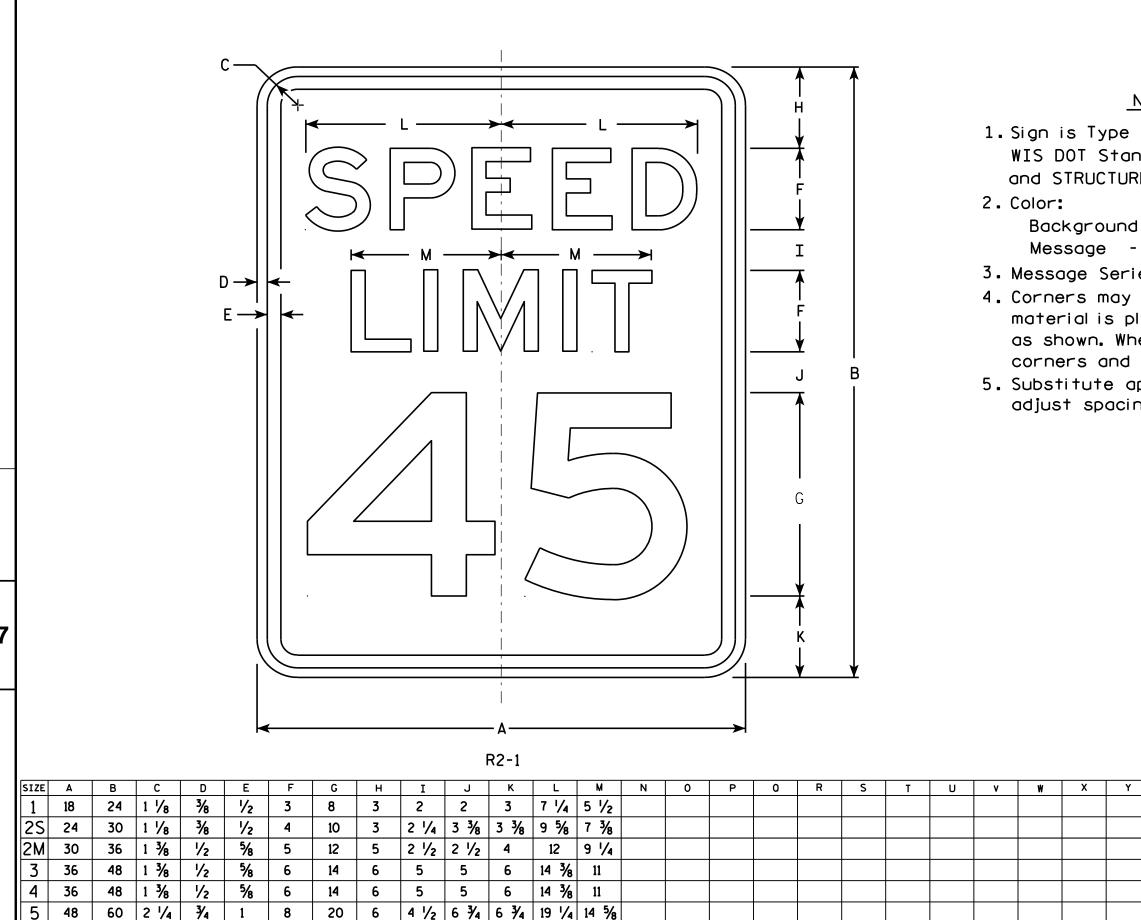
PLOT DATE: 05-APR-2011 09:44

PLOT BY : mscj9h

PLOT NAME :

PLOT SCALE: 4.965868:1.000000





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:

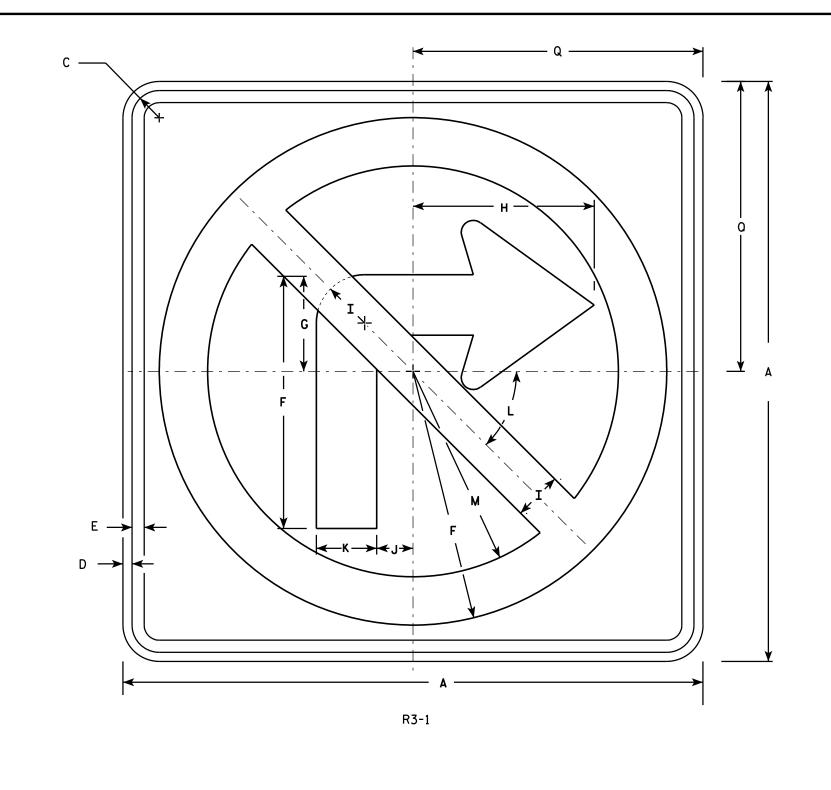
HWY:

PLOT DATE: 28-MAY-2010 08:32

PLOT BY : ditjph

PLOT NAME :

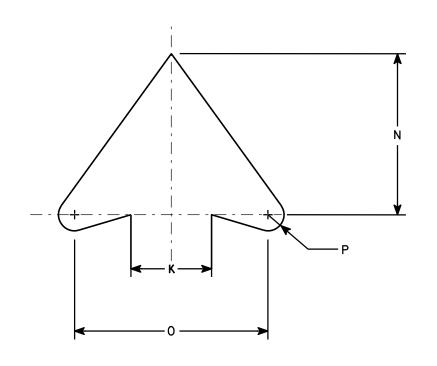
PLOT SCALE: 4.717577:1.000000



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

Background - White Message - See note 4

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



#### ARROW DETAIL

PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3⁄8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 %	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 %	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 %	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3∕4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

COUNTY:

STANDARD SIGN R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

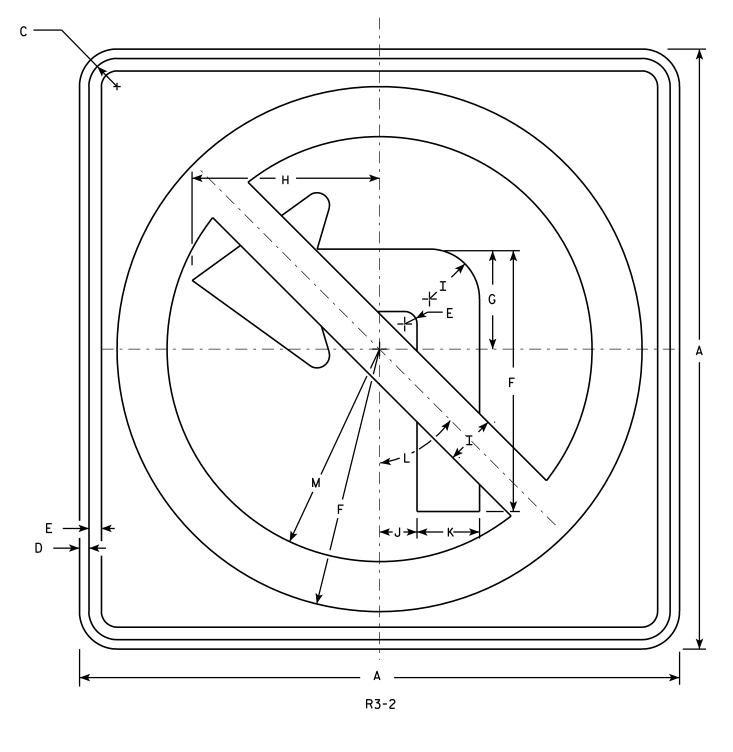
DATE 12/08/10

PLATE NO. \_\_R3-1.5

SHEET NO:

HWY:

PROJECT NO:

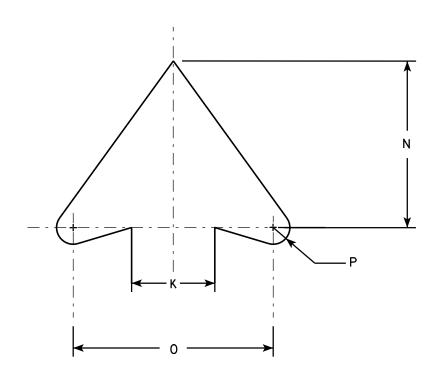


#### <u>NOTES</u>

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

Background - White Message - See note 4

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



ARROW DETAIL

SIZE	Α	В	C	D	E	F	G	н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	₩	×	Y	Z	Area sq. ft
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
25	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 %	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 %	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

COUNTY:

STANDARD SIGN R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Mat

For State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

SHEET NO:

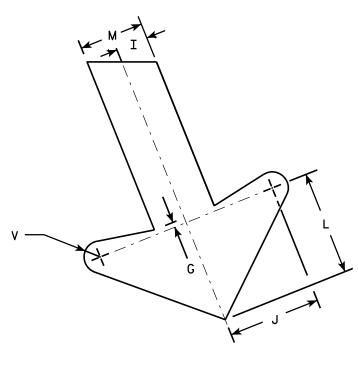
HWY:

PROJECT NO:

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

Background - White Message - Black

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



|--|

PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Areg sq. ft.
1																											
25	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 %	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 %	3	2 1/4	10 1/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

COUNTY:

R3-20L

HWY:

М

М

0

STANDARD SIGN R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew K

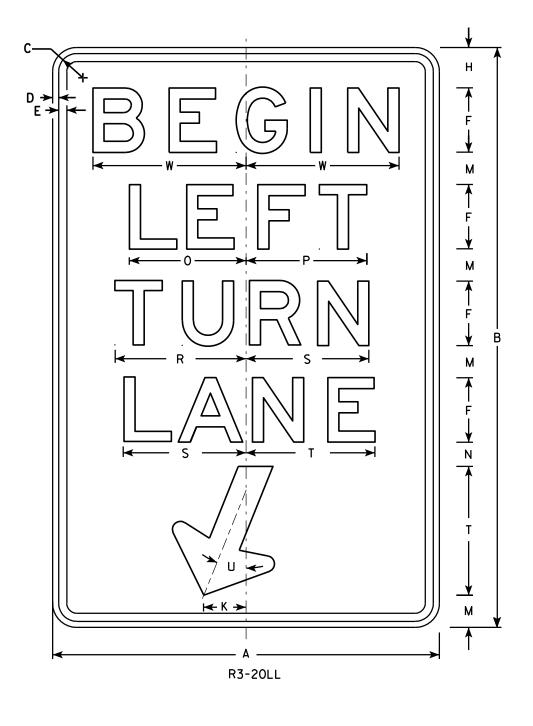
for State Traffic Engineer

DATE 10/18/10

/18/10 PLATE NO. R3-20L.7

SHEET NO: E

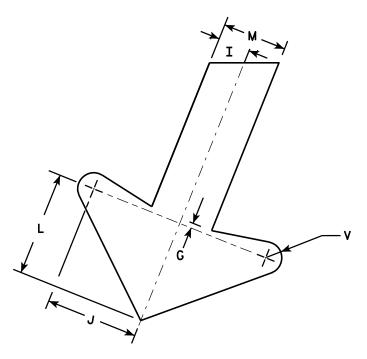
PROJECT NO:



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

Background - White Message - Black

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



ARROW DETAIL

PLOT NAME :

SIZE	Α	В		С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																												
25	24	36	5 1	l 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 %	8	22°	1/2	9 1/2				6.0
2M	24	36	5 1	l 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7	8	22°	1/2	9 1/2				6.0
3	36	54	1	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 1/8	3	2 1/4	10 %	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																												
5																												

COUNTY:

STANDARD SIGN R3-20LL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rawh

for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20LL.1

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R320LL.DGN

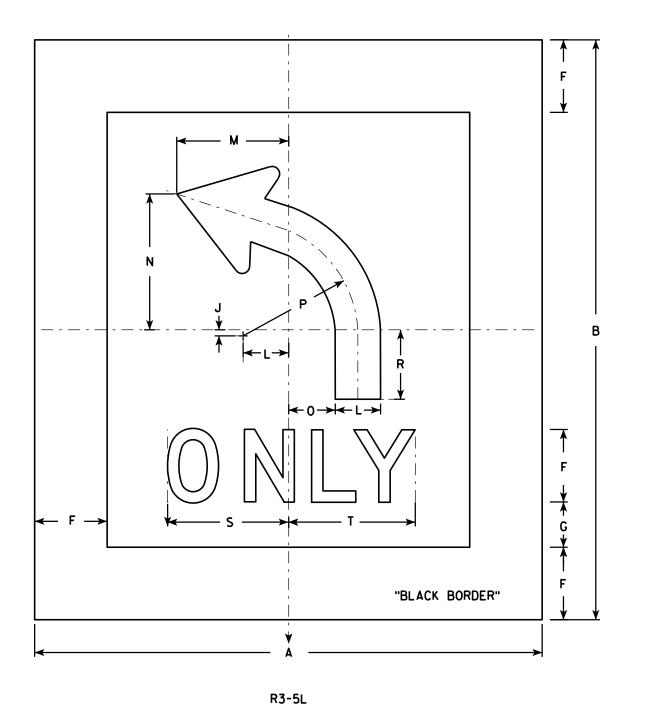
HWY:

PROJECT NO:

PLOT DATE: 15-OCT-2010 14:38

PLOT BY : dotsja

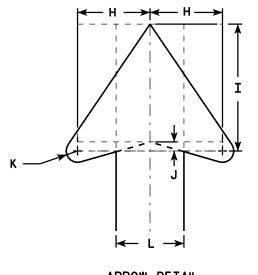
PLOT SCALE: 5.959043:1.000000



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

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
- 5. R3-5R is the same as R3-5L except curved portion of arrow points right.
- 6. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	w	Х	Y	Z	Areo sq. ft.
1																											
2S	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 1/8	9 1/2		5 3/4	10	10 1/2							1.26
2M	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 1/8	9 1/2		5 3/4	10	10 1/2							1.26
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Ma

For State Traffic Engineer

DATE 2/24/11

11 PLATE NO. R3-5.6
SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R35.DGN

HWY:

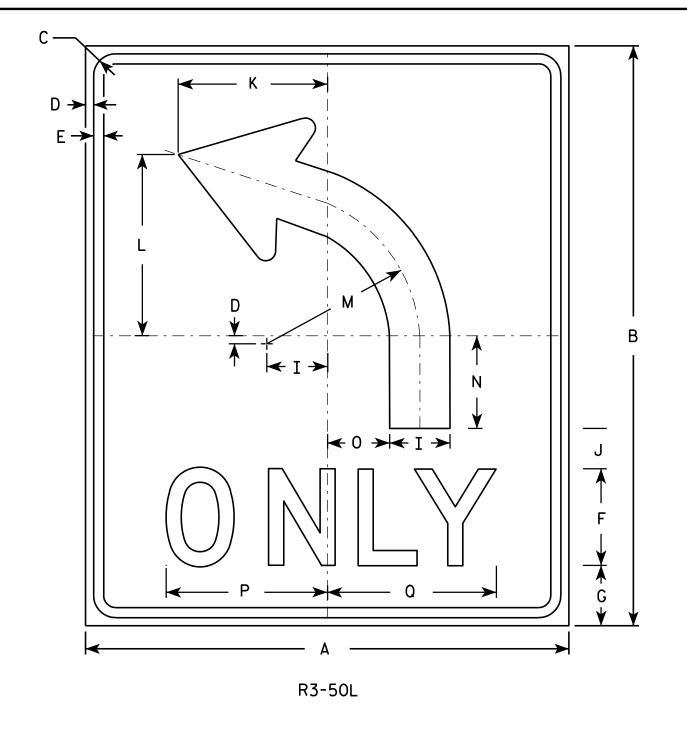
PROJECT NO:

PLOT DATE: 24-FEB-2011 14:53

PLOT BY: mscsja

PLOT NAME : PLOT SC

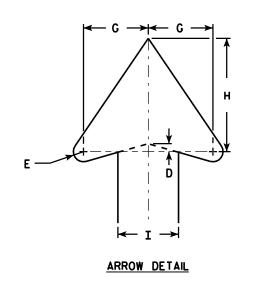
PLOT SCALE: 7.945391:1.000000



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

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. R3-50R is the same as R3-50L except curved portion of arrow points right.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 1/8	10	10 1/2										7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 1/8	10	10 1/2										7.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 3/24/2011

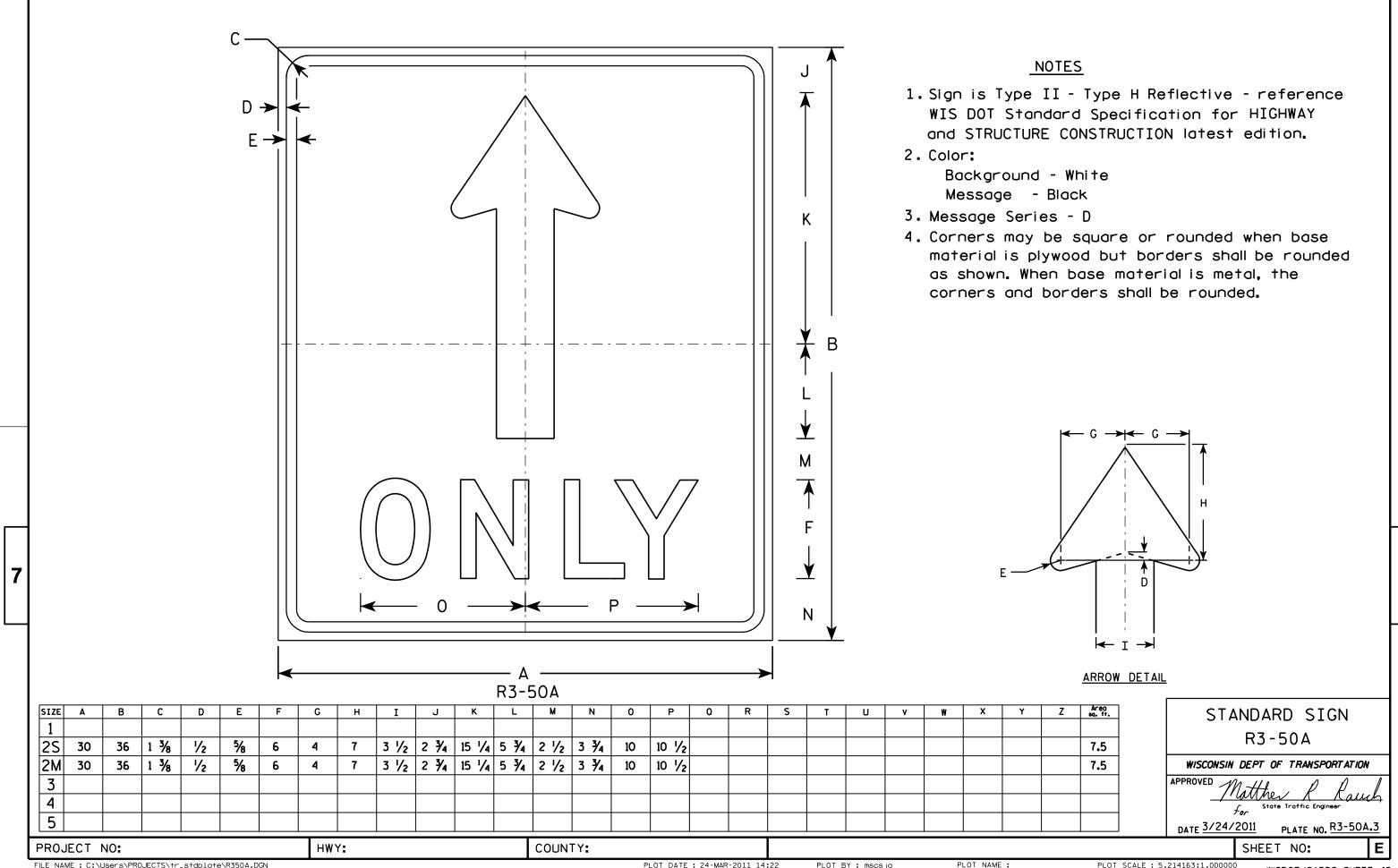
PLATE NO. R3-50.2

SHEET NO:

HWY:

PROJECT NO:

PLOT BY: mscsja



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

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. R3-53L same as R3-53R except LEFT is substituted for RIGHT.

R3-53R	

SIZE A B D E F G | H | I 2S 2M 3/8 5 | 8 3/4 | 9 1/2 | 7 3/4 | 24 30 | 1 1/8 | 1/2 4 | 3 1/4 | 4 1/2 | 7 1/2 5.0 24 30 | 1 1/8 3/8 1/2 8 3/4 9 1/2 7 3/4 3 1/4 4 1/2 7 1/2 5.0 3 24 30 | 1 1/8 3/8 8 3/4 9 1/2 7 3/4 1/2 3 1/4 4 1/2 7 1/2 5.0 4 5

COUNTY:

STANDARD SIGN R3-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-53.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R353.DGN

PROJECT NO:

HWY:

PLOT DATE: 24-MAR-2011 14:54

PLOT BY: mscsja

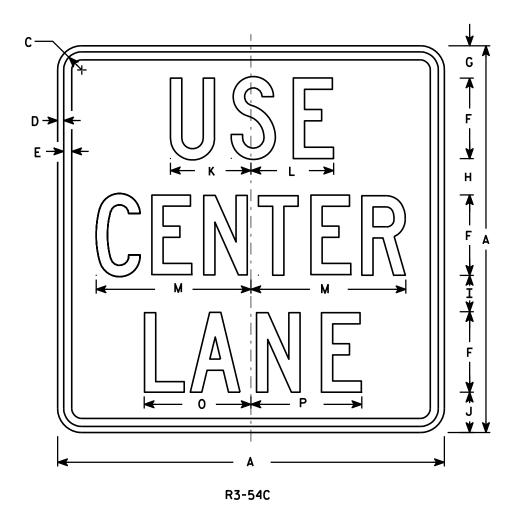
PLOT NAME :

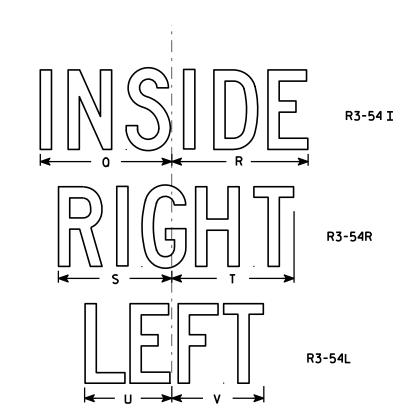
PLOT SCALE: 5.959043:1.000000

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

Background - White 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.





SIZE	Α	В	С	D	E	F	G	Н	I	7	K	L	М	Z	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	9 %		6 %	6 %	8 1/8	8 1/2	7	7 %	5	5 3/4					4.0
2M	24		1 1/8	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	9 %		6 %	6 %	8 1/8	8 1/2	7	7 %	5 ¾	5 3/4					4.0
3	36		1 5/8	5/8	3/4	7	4	3	3 ½	4 1/2	7 1/2	7 3/4	14 3/8		9 %	10 1/4	12 1/8	12 3/4	10 3/8	11 3/8	8	8 %					9.0
4																											
5																											

STANDARD SIGN R3-54C, I ,L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/24/2011

PLATE NO. R3-54.8

SHEET NO:

HWY:

COUNTY:

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 5.959043:1.000000

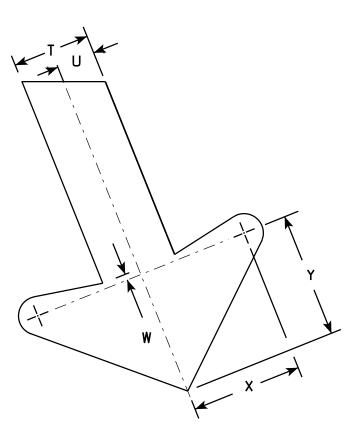
WISDOT/CADDS SHEET 42

PROJECT NO:

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

Background - White Message - Black

- 3. Message Series See Note 3
- 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 is Series C Lines 2 and 3 Series - D



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	₩	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3⁄8	1/2	4	2 %	2 1/8	2	2	1 1/2	8	9 %	10	8 3/4	8 %	6 1/2	6 %	2 %	2	1	1/2	1/4	2 1/8	3 1/4	22°	5.0
2M	24	30	1 1/8	3/8	1/2	4	2 %	2 1/8	2	2	1 1/2	8	9 %	10	8 3/4	8 %	6 1/2	6 %	2 %	2	1	1/2	1/4	2 1/8	3 1/4	22°	5.0
3	36	48	1 3/4	1/2	5/8	6	4 1/2	3 3/4	3 %	3 %	2 1/8	12	14 1/2	14 1/8	13 1/8	12 1/8	9 3/4	10 1/4	4	3	1 1/2	3/4	3/8	4 1/4	4 1/8	22°	12.0
4																											
5																											

R3-55A

STANDARD SIGN R3-55A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

SHEET NO:

DATE 3/24/2011

PLATE NO. R3-55A.5

HWY:

COUNTY:

PLOT DATE: 24-MAR-2011 15:10

PLOT NAME :

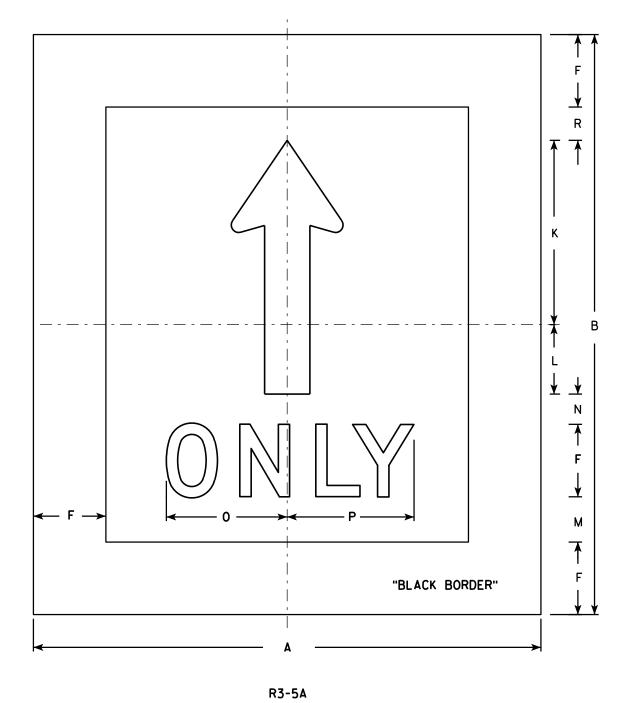
PLOT SCALE: 4.965871:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R355A.DGN

PROJECT NO:

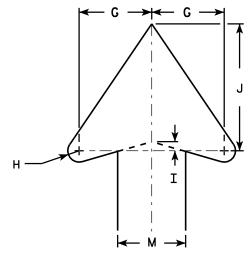
PLOT BY: mscsja



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

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
- 5. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	٧	w	X	Y	Z	Areo sq. ft.
1																											
2S	42	48				6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									1.26
2M	42	48				6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									1.26
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R3-5A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R Rauch
For State Traffic Engineer

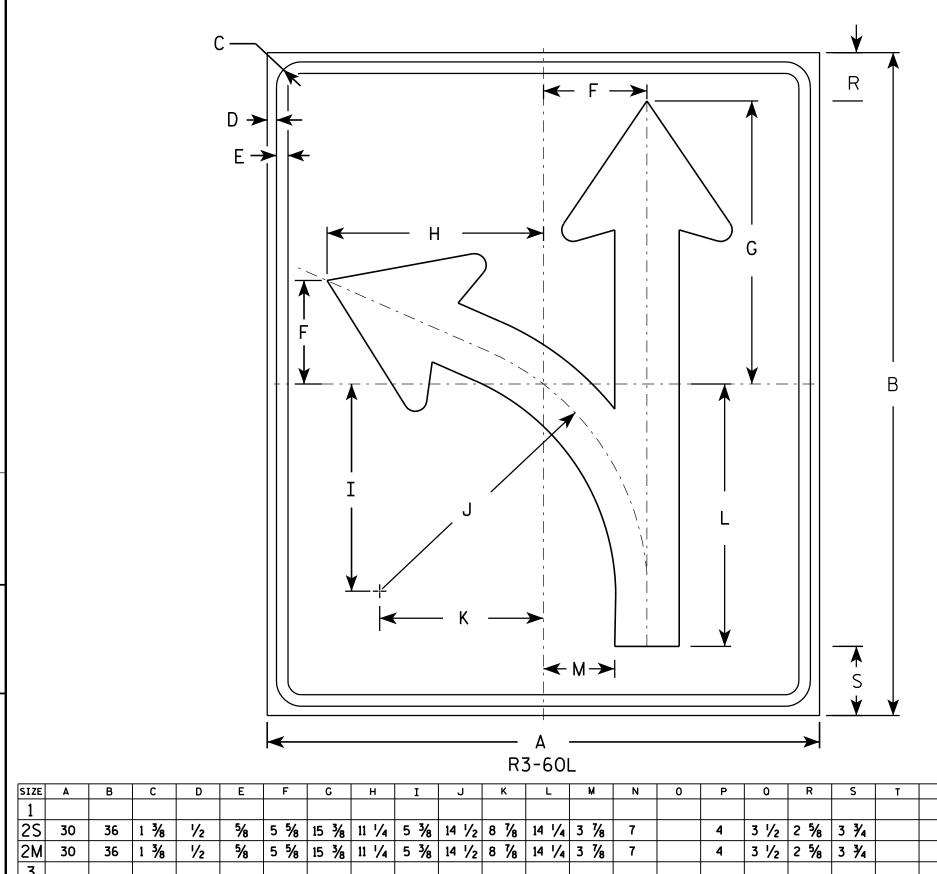
DATE 2/24/11 PLATE NO. R3-5A.5

SHEET NO:

PROJECT NO:

HWY:

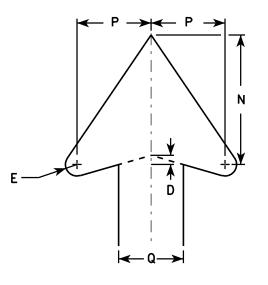
PLOT BY: mscsja



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

Background - White Message - Black

- 3. 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. R3-60R is the same as R3-60L except curved portion of arrow points to right.



ARROW DETAIL

											11.	5 601	-														
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	5 %	15 3/8	11 1/4	5 3/8	14 1/2	8 %	14 1/4	3 %	7		4	3 1/2	2 %	3 3/4								7.5
2M	30	36	1 3/8	1/2	5/8	5 %	15 3/8	11 1/4	5 3/8	14 1/2	8 %	14 1/4	3 %	7		4	3 1/2	2 %	3 3/4								7.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R3-60

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 3/25/2011 PLATE NO. R3-60.3

SHEET NO:

HWY:

PROJECT NO:

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

Background - White Message - Black

- 3. Message Series 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.

	A	A	
			A   
C R4-52L	c		

SIZE	۸	В		D	F	F	G	ш	т	I .ı	К	<del> </del>	М	N	0	Р	١ ٥	R	١ ،	Т	U	l v	w	×	V	7	Area sq. ft.
1	18		1 1/8	3/8	3/8	5	2	3	6 3/4	6 %	7 1/2	6 1/4	1	.,		'		.,		<u>'</u>		<b>'</b>	-				2.25
<u>2</u> S	24		1 1/8	3/8	1/2	6	3 1/2	4 1/4	8	8	9 3/8	7 1/2															4.0
2M	24		1 1/8	3/8	1/2	6	3 1/2	4 1/4	8	8	9 3/8	7 1/2															4.0
3	36		1 1/8	5/8	₹4	10	5	5 ½	13 ½	13 3/8	14 1/2	12 1/2															9.0
4																											
5																											

COUNTY:

STANDARD SIGN R4-52R & R4-52L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R4-52.6

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R452.DGN

HWY:

PROJECT NO:

PLOT DATE: 29-MAR-2011 10:51

PLOT BY: mscsja

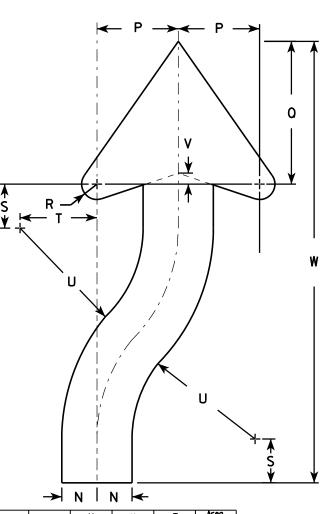
PLOT NAME: PLOT SCALE: 5.9590

PLOT SCALE: 5.959043:1.000000

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
- 2. Color:

Background - White Message - Black

- 3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
- 4. R4-8 is the same as R4-7 except Legend is reversed.



PLOT NAME :

ARROW DETAIL

																							<b>→</b>	N I	N <del> </del>		
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	Areo sq. ft
1	18	24	1 1/8	3∕8	1/2	3 %	4 3/4	5 ½	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 %	3 1/4	6 3/4	1/2	20 ¾				3.0
2S	24	30	1 1/8	3∕8	1/2	4 1/2	6 1/4	7 3/8	1 %	3	8	4	12 1/2	2	30	4 %	8 1/8	<b>1</b> /8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 1/8	3	8	4	12 1/2	2	30	4 %	8 1/8	7∕8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 ¾	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 ¾				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 ¾	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 ½	1	40 ¾				12.0
5	48	60	2 1/4	₹4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 %	5	8 3/4	18	1 1/4	50 1/4				20.0

COUNTY:

R4-7

STANDARD SIGN R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

SHEET NO:

PROJECT NO:

D→

HWY:

# <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 - See detail Message - White - Type H Reflective

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

Whi te Red White R5-1

SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2S	30		1 1/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 %	14 1/2	12 1/2	8 1/2	8 %											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 ¾											9.0
3	36		2 1/4		6	5	7 1/2	2 ½	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 %	14 1/2	23 1/2	20	12 3/4	12 1/8											16.0

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

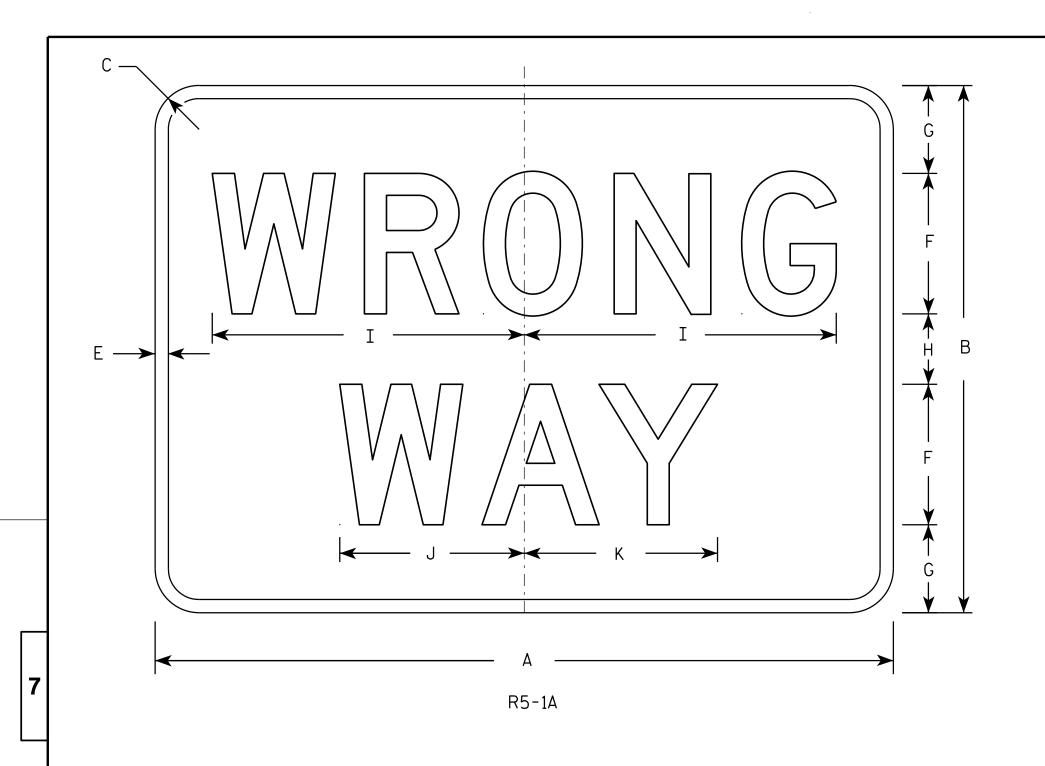
For State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

SHEET NO:

PROJECT NO:

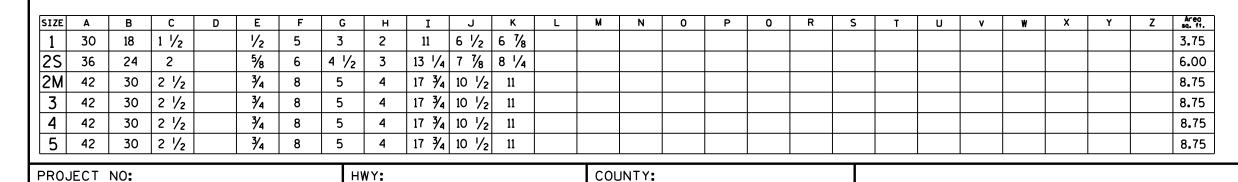
HWY:



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

Background - Red Message - White

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



STANDARD SIGN R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

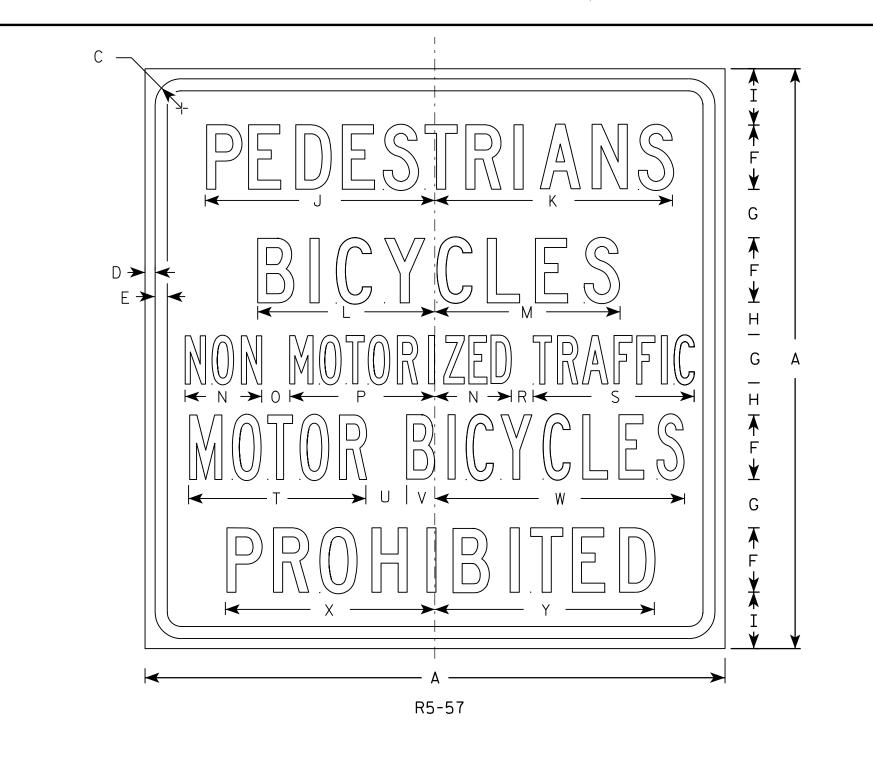
Matther R Raud

For State Traffic Engineer PLATE NO. R5-1A.2

DATE 12/17/10

SHEET NO:

PROJECT NO:



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

Background - White Message - Black

- 3. Message Series Lines 1, 2, and 5 are Series C. Lines 3 and 4 are Series B.
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE 2M 3 4 5/8 3 1/2 14 1/4 14 7/8 11 11 1/2 4 3/4 1 3/4 1 3/8 2 1/2 1 3/4 15 1/2 13 36 1 5/8 3/4 3 1 1 13 % 9.0 4 11 1/2 4 3/4 1 3/4 5 3  $3 \frac{1}{2} 14 \frac{1}{4} 14 \frac{7}{8} 11$  $1\frac{3}{8}$ 2 1/2 1 3/4 | 15 1/2 36 2 13 9.0 11

COUNTY:

STANDARD SIGN R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

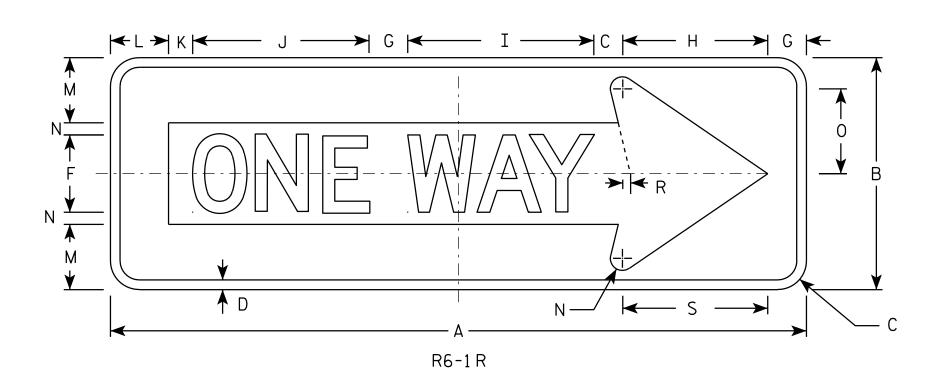
Matther R Rauh

DATE 3/29/2011 PLATE NO. R5-57.10

SHEET NO:

PROJECT NO:

HWY:

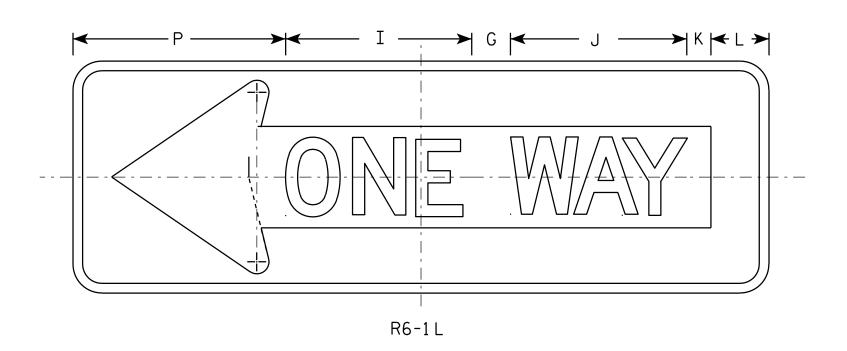


- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - BLACK

Message - BLACK LEGEND & WHITE ARROW & BORDER

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



SIZE	A	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areo sq. fi
1																											
25	36	12	1 1/2	1/2		4	2	7 1/2	9 %	9 1/8	1 1/4	3	3 %	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 %	1 1/8	4 1/2	5	1	6 ½	16 1/2		5/8	11 1/4								6.7
3	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 %	1 1/8	4 1/2	5	1	6 ½	16 1/2		5/8	11 1/4								6.7
4	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 %	1 1/8	4 1/2	5	1	6 ½	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

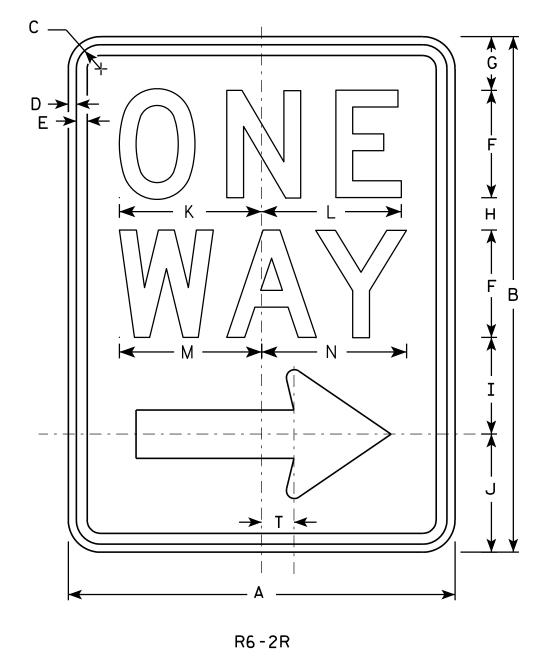
For State Traffic Engineer

DATE 12/17/10

PLATE NO.R6-1.2 SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R61.DGN

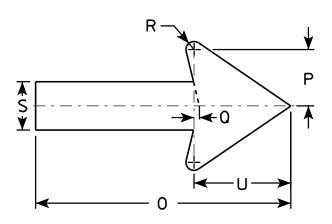
PROJECT NO:



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

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. R6-2L same as R6-2R except arrow points to the left.



SIZE	Α	В	С	D	Е	F	G	Η	I	J	K	L	М	N	0	Р	0	R	S	Т	J	٧	W	Х	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 ½	6 %	6 1/2	6 %	6 ¾	11 %	2 %	1/4	3⁄8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 ½	7	8 1/8	8 1/8	8 1/2	8 %	16	3 ½	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 %	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 %	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
4	36	48	1 %	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 ½	24	5 %	1/2	3/4	4 3/4	3	9					
5	·																			·		·		·		
1																										

COUNTY:

STANDARD SIGN R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthe R Rauch

For State Traffic Engineer

DATE 11/2/10

PLATE NO. R6-2.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R62.DGN

HWY:

PROJECT NO:

PLOT DATE: 02-NOV-2010 15:25

PLOT NAME :

PLOT BY: ditjph

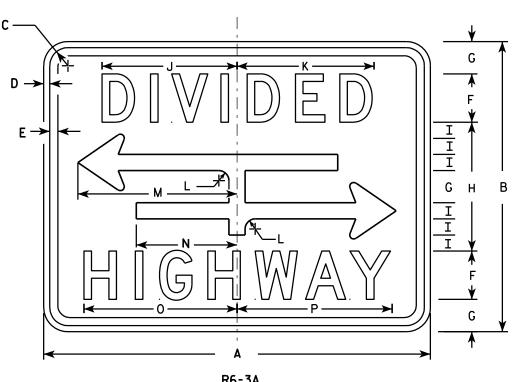
PLOT SCALE: 4.469282:1.000000

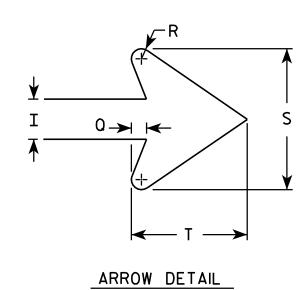
# <u>NOTES</u>

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

Background - White Message - Black

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





SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	24	18	11/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 %	6 1/4	9 1/2	9 %	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	11/8	3/8	1/2	4	2 %	10 ¾	1 3/8	10 1/2	10 %	<b>7</b> /8	12 1/2	7 1/8	12 1/4	12 3/8	1/2	3/8	4 %	3 %							5.0
2M	30	24	11/8	3/8	1/2	4	2 %	10 ¾	1 3/8	10 1/2	10 %	<b>7</b> ⁄8	12 1/2	7 1/8	12 1/4	12 3/8	1/2	3/8	4 %	3 %							5.0
3																											
4																											
5																											
					•										•												

STANDARD SIGN R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer DATE 3/31/2011

PLATE NO. R6-3.5 SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R63.DGN

PROJECT NO:

R6-3

PLOT DATE: 31-MAR-2011 09:08

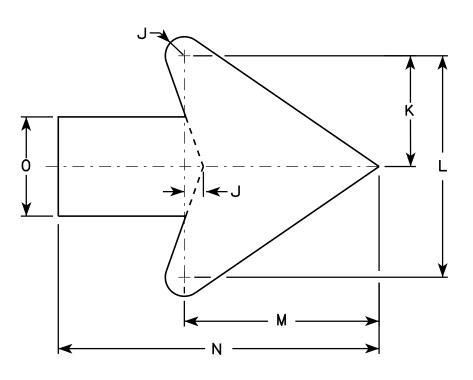
PLOT BY: mscsja

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. 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.



Arrow Detail

SIZE	Α	В	С	D	E	F	G	H	I	J	K	L	М	N	0	Р	o	R	S	T	U	٧	W	X	Y	Z	Areo
1																											
25	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 1/8	3/4	4 1/2	9	7 1/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 ½	10 1/8	9 %	15 ¾	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

COUNTY:

W12-1D

STANDARD SIGN W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Fer State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W121D.DGN

HWY:

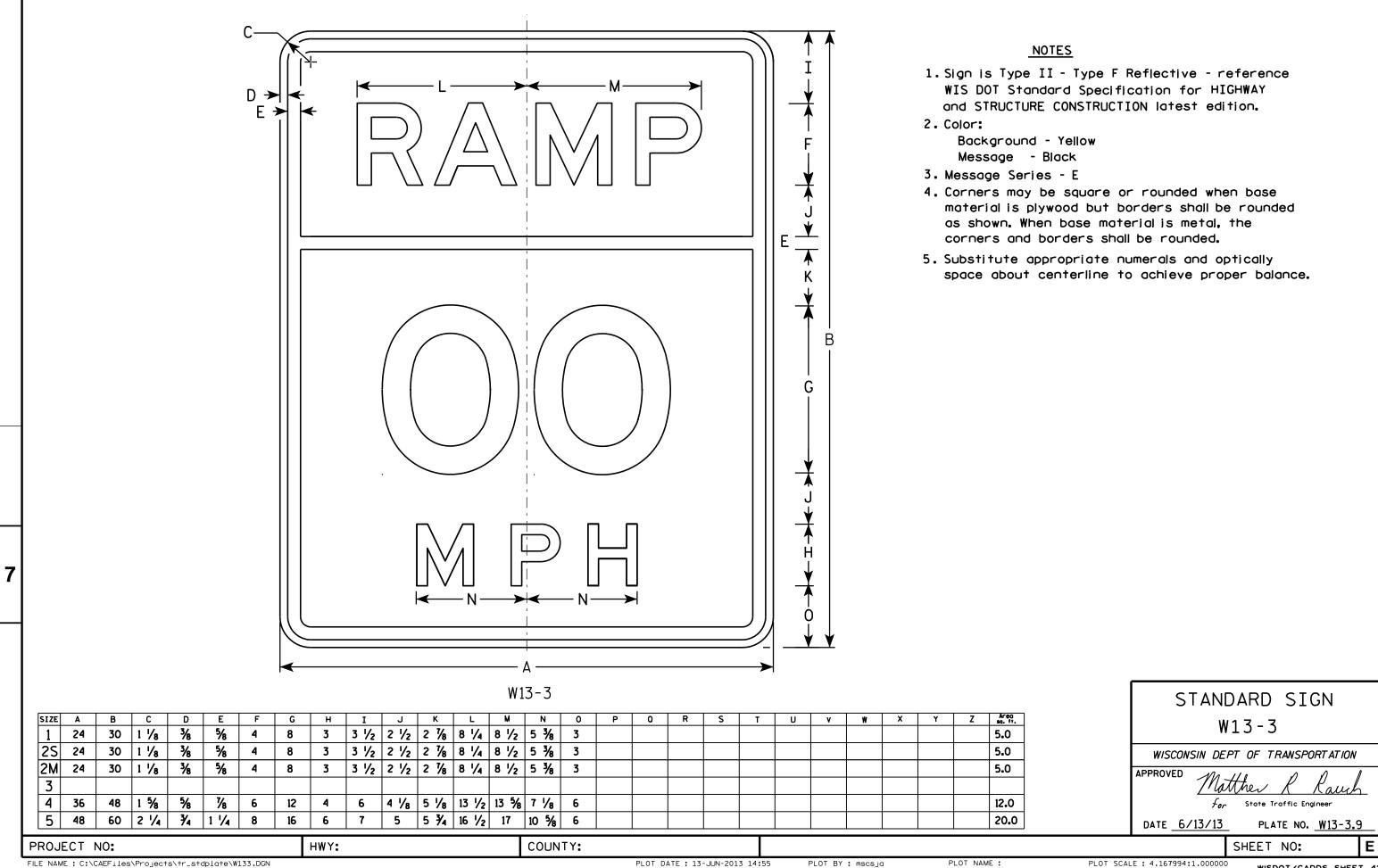
PROJECT NO:

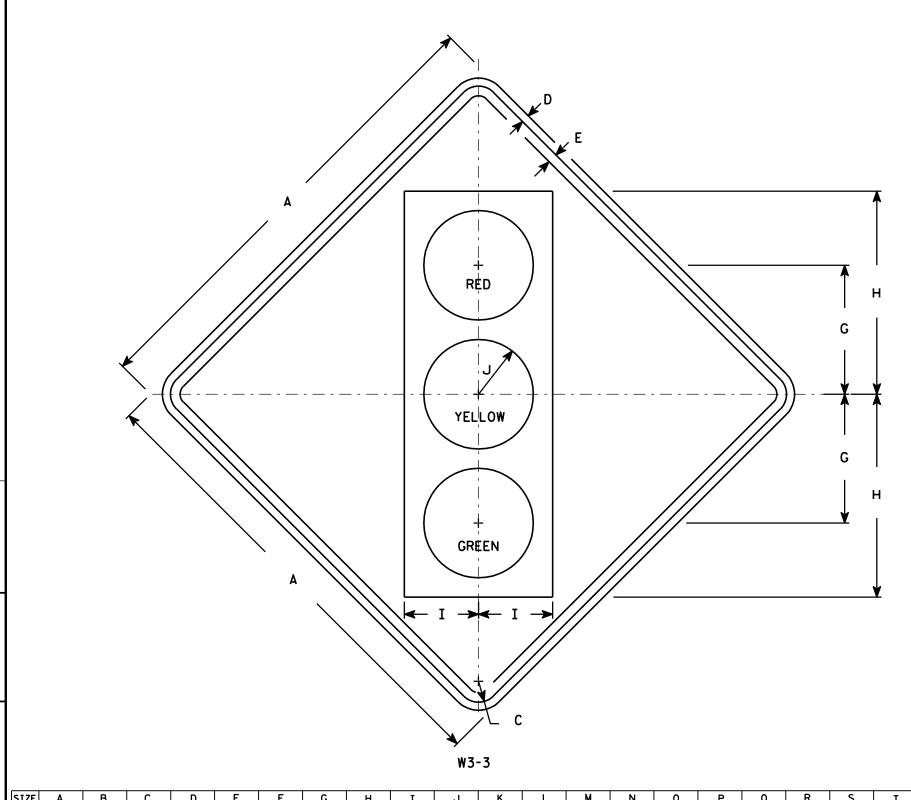
PLOT DATE: 13-MAR-2013 13:26

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 4.713802:1.000000





- 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 - 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. Symbol and border are non-reflective black. Top circle - Type H Reflectorized Red Center circle - Same as background Bottom circle - Type H Reflectorized Green

SIZE Α 1 3/8 1/2 13 3/4 5 5/8 8 3/4 3 3/4 30 6.25 25 1 % 5/8 15 3/4 5 3/4 4 1/4 36 3/4 9.0 2M 15 3/4 5 3/4 4 1/4 36 1 % 5/8 9.0 3 36 1 % 5/8 15 3/4 5 3/4 4 1/4 9.0 3/4 4 12 1/2 20 7 1/2 5 48 2 1/4 16.0 12 1/2 5 20 7 1/2 5 48 2 1/4 16.0

COUNTY:

STANDARD SIGN W3 - 3

WISCONSIN DEPT OF TRANSPORTATION

for State Traffic Engineer DATE 6/7/10 PLATE NO. W3-3.11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W33.DGN

HWY:

PROJECT NO:

PLOT DATE: 07-JUN-2010 13:07

PLOT BY : ditjph

PLOT NAME :

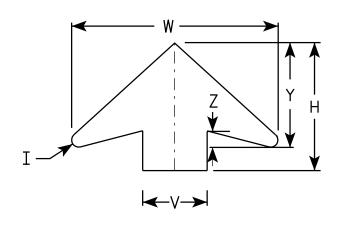
PLOT SCALE: 7.448805:1.000000

- 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	<b>%</b>	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	<b>1</b> / <sub>8</sub>	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

# NOTES

- 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 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

PLOT NAME :

C—	<del>\</del>
D → E →	G

W57 - 51

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	Z	0	Ρ	0	R	S	T	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
2S	30	15	1 1/8	3/8	1/2	4	2	3	6 3/8	6 3/8	3	3 %	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 %														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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 3/13/13

PLATE NO. W57-51.9

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W5751.DGN

HWY:

PROJECT NO:

PLOT DATE: 13-MAR-2013 14:11

PLOT BY: mscj9h

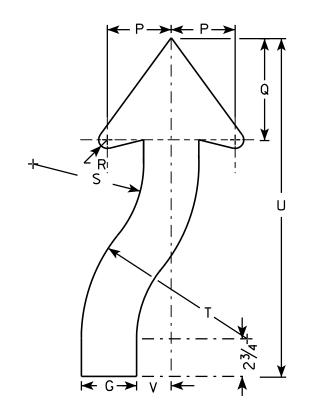
PLOT SCALE: 3.969517:1.000000

WISDOT/CADDS SHEET 42

- 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. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Areg sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 1/8	25	1 3/4	11 %	4 1/8	3 %	6 3/4	5/8	6 %	9 %	21 %	2					6.25
2S	36		1 1/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 %	7 3/8	<b>7</b> /8	8	12	24 1/2	2 1/2					9.0
2M	36		1 1/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 %	7 3/8	<b>7/8</b>	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 %	13 %	6 3/8	12 5/8	40	2 5/8	18 %	6 %	6 1/4	9 %	1 1/4	10 %	16	32 %	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 %	13 3/8	6 3/8	12 5/8	40	2 %	18 %	6 %	6 1/4	9 %	1 1/4	10 %	16	32 %	3 3/8					16.0

COUNTY:

W6-1

**←** G → ← G →

STANDARD SIGN W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
for State Traffic Engineer

DATE <u>03/12/13</u>

PLATE NO. <u>W6-1.14</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W61.DGN

PROJECT NO:

HWY:

PLOT DATE: 12-MAR-2013 14:02

PLOT BY: mscsja

PLOT SCALE: 6.946657:1.000000

WISDOT/CADDS SHEET 42

LOCATION MAP

STATE PROJECT NUMBER

1071-08-62

DESIGN DATA

SIGN BRIDGE DESIGN SIGN AREA (SO FT) MAX SIGN DEPTH

264

12'-0"

SIGN IS A TYPE 1 WITH A SIZE OF 8'-0" HIGH X 17'-0" WIDE.

DESIGN IS IN ACCORDANCE WITH AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS", 2013.

### GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

SEE SHEET 2 FOR STRUCTURE NOTES AND DESIGN.

PROVIDE SIGN BRIDGE IDENTIFICATION PLAQUE FOR SIGN BRIDGE. TO BE CONSIDERED INCIDENTAL TO BID ITEM

CONCRETE AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH WISDOT "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" SECTION 636.

CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES. ALL UTILITIES TO REMAIN IN SERVICE. COORDINATE

TEMPORARY SHORING LOCATION SHALL BE DETERMINED BY ENGINEER IN THE FIELD.

## LIST OF DRAWINGS

LAYOUT S-32-45

2 GALVANIZED STEEL CANTILEVER SIGN TRUSS
3 GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS
4 CANTILEVER TRUSS FOOTING

FOR SIGN BRIDGE IDENTIFICATION PLAQUE SEE S.D.D. 12 A 4-3.

NO. DATE BY

SEH

SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

ACCEPTED WILLIAM C. Duche KAR 01/16/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE S-32-45

STH 16 EB / IH 90 INTERCHANGE SIGN BRIDGE

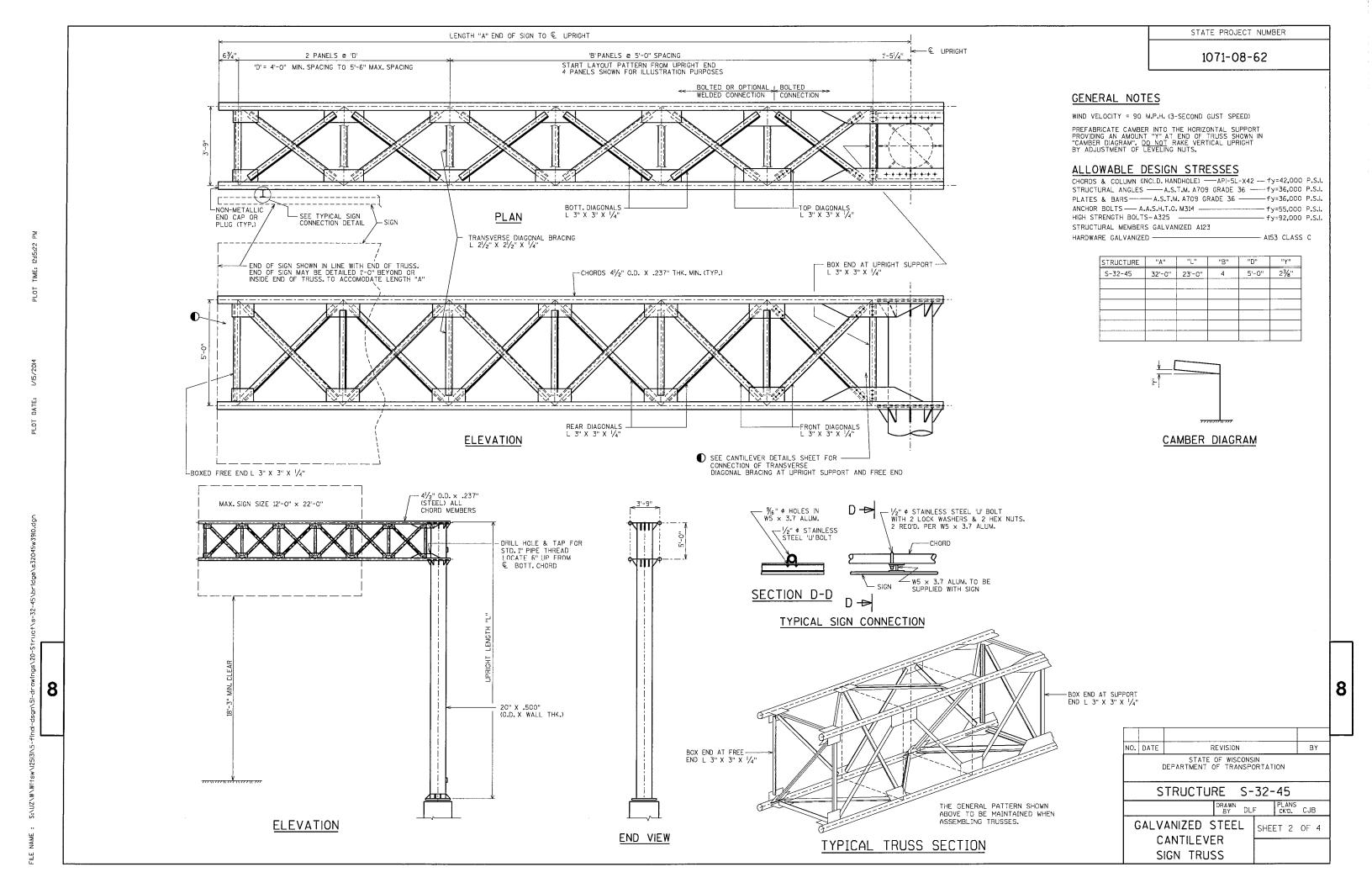
DESIGN SPEC.

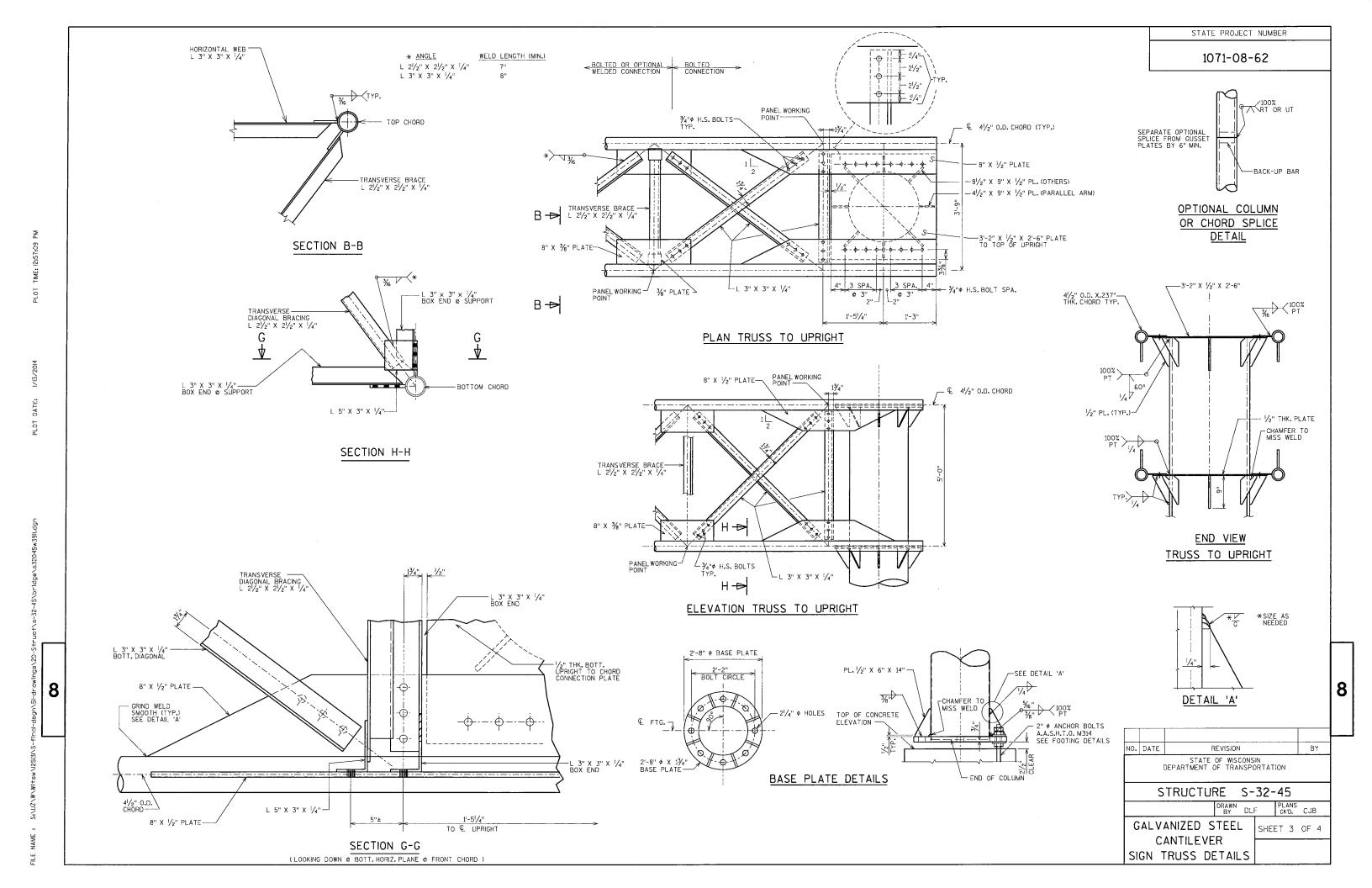
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY CJB CK'D. COMP BY DLF CK'D. CJB

LAYOUT S-32-45 SHEET 1 OF 4

SEH CONTACT: CHRIS BLUM, PE, 608.620.6192 WISDOT BRIDGE OFFICE CONTACT: BILL DREHER, PE, 608.266.8489





8

2'-0"±

A404

-A707

1'-3" 1'-6" 1'-3"

<u>PLAN</u>

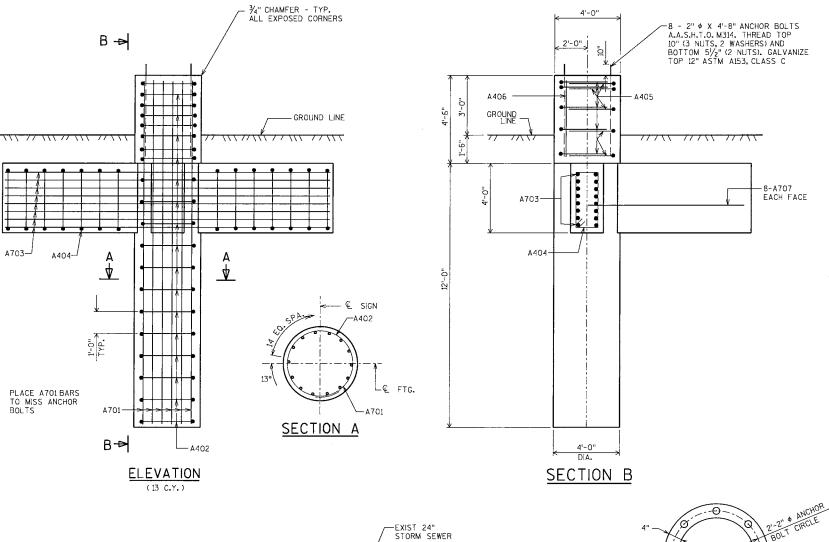
A402 A404 (STIRRUP) GENERAL NOTES DRAWINGS SHALL NOT BE SCALED. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS ALLOWABLE DESIGN STRESSES NO. DATE REVISION BY

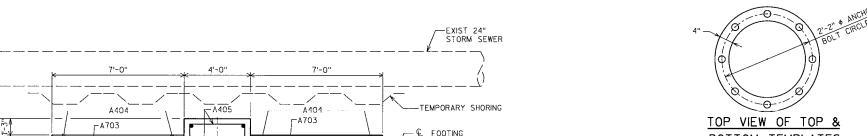
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STRUCTURE S-32-45

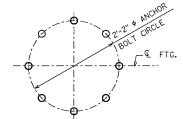
CANTILEVER

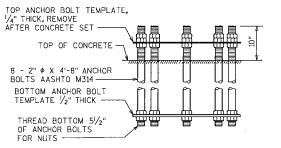
TRUSS FOOTING





# BOTTOM TEMPLATES





ANCHOR BOLT DETAILS

## BILL OF BARS

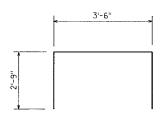
1755 LB.

STATE PROJECT NUMBER

1071-08-62

BAR	47	NO.	LENGTH	4	CUT.	BUN-	LOCATION					
MARK	C04	RE0'D	LENGIII	N. S.	DIAG .	DLE	LOCATION					
A701		14	16'-0"				FOOTING - COLUMN/TOP					
A402		16	12"-0"	Х			FOOTING - COLUMN/TOP					
A703		16	17'-6"				FOOTING - WINGS					
A404		21	9'-6"	Х			FOOTING - WINGS					
A405	ļ	10	8'-10"	Х			FOOTING - TOP					
A406		4	4'-0"				FOOTING - TOP - COLUMNS					
A707		16	12'-0"	Х			FOOTING - WINGS					
							i i					

NOTE: THE FIRST DIGIT OF A BAR MARK SIGNIFIES THE BAR SIZE.



- 41/2°

8

PLANS CK'D. CJB

SHEET 4 OF 4

9:-0"

A405

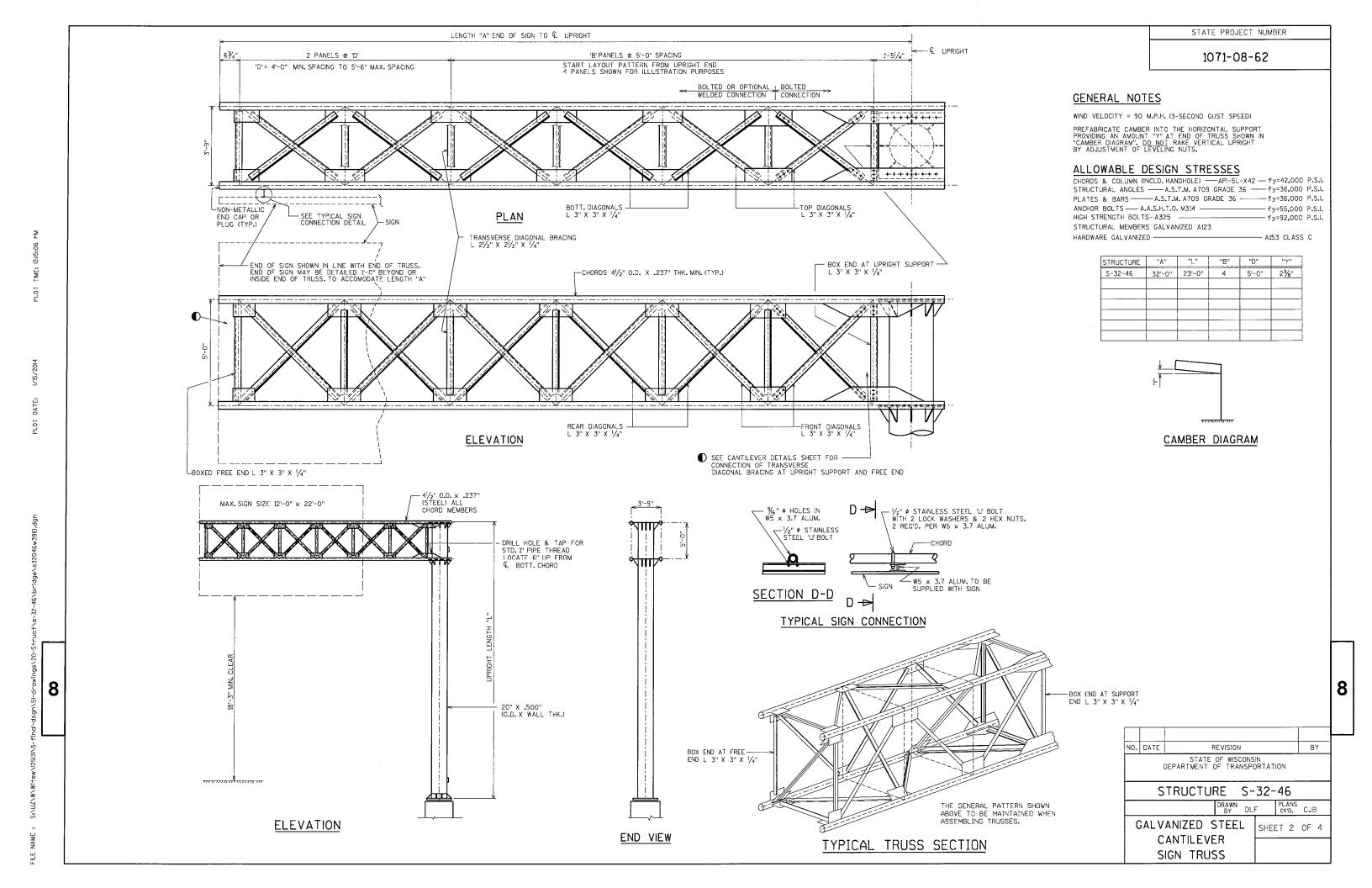
A707

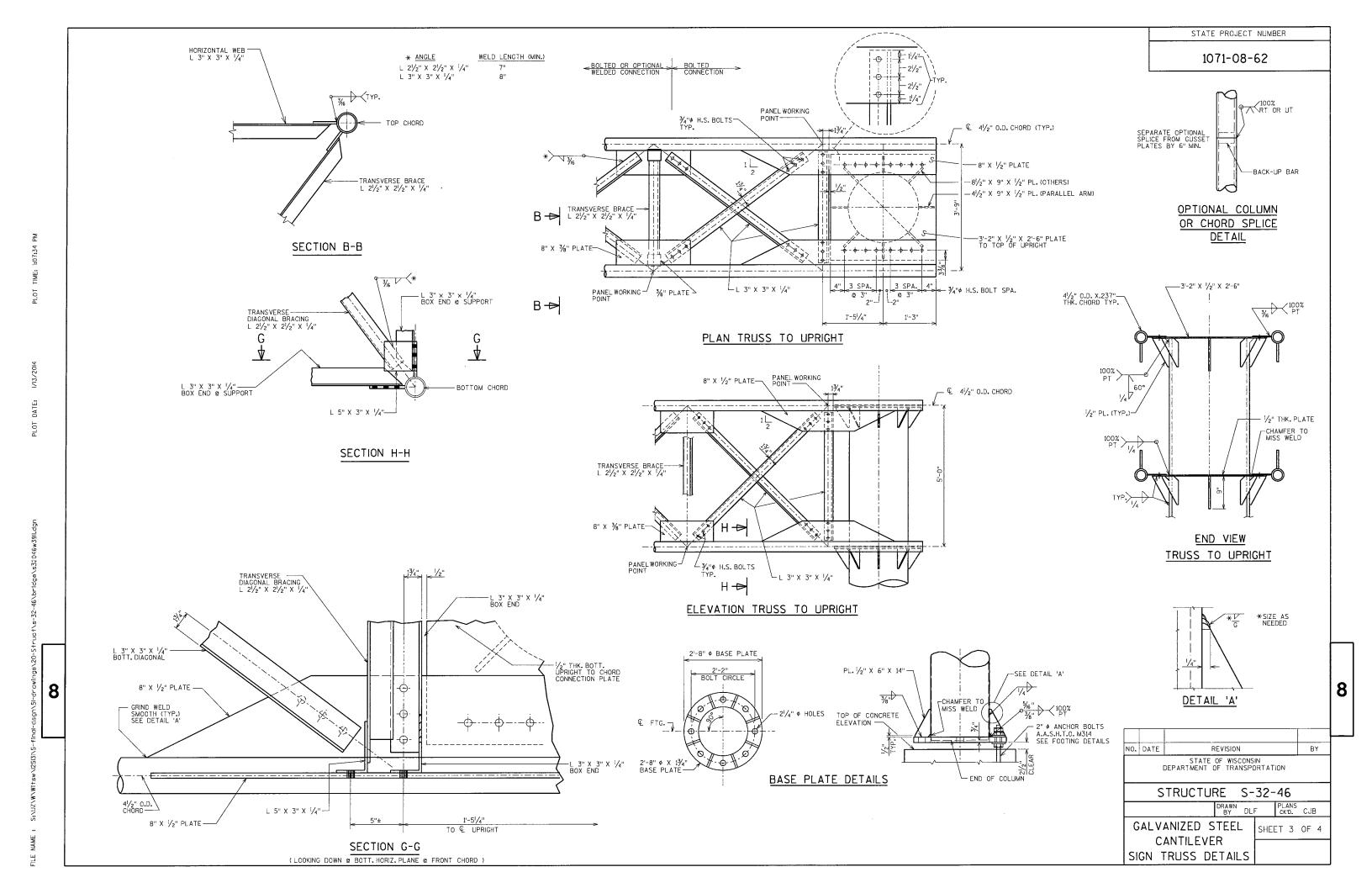
DETAILED OTHERWISE.

CONCRETE MASONRY -		f'c=3.500	P.S.I.
HIGH STRENGTH BAR STEEL REINF ANCHOR BOLTS A.A.S.H.T.O. M314		fy=60,000 fy=55,000	P.S.

### FOUNDATION DATA

ALLOWABLE SOIL BEARING PRESSURE = 2T/SO.FT.





- 4½' A404 (STIRRUP) **GENERAL NOTES** DRAWINGS SHALL NOT BE SCALED. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE. ALLOWABLE DESIGN STRESSES f'c=3,500 P.S.I. ANCHOR BOLTS A.A.S.H.T.O. M314 \_\_\_ fy=60,000 P.S.I. fy=55,000 P.S.I. FOUNDATION DATA ALLOWABLE SOIL BEARING PRESSURE = 2T/SQ.FT. 8 NO. DATE REVISION BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

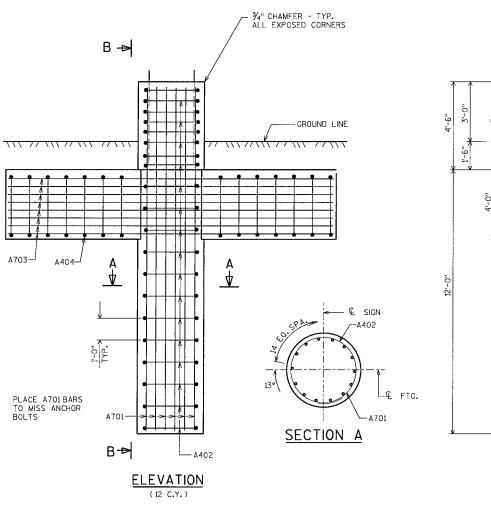
STRUCTURE S-32-46

CANTILEVER

TRUSS FOOTING

PLANS CK'D. CJB

SHEET 4 OF 4



A404

- A703

- €. FOOTING

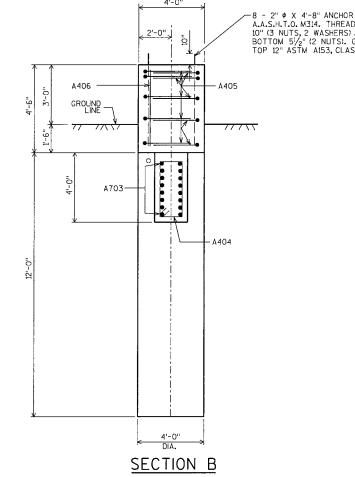
- A404

A405-

<u>PLAN</u>

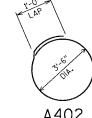
- A703

1'-0"



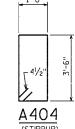
-8 - 2" ¢ X 4'-8" ANCHOR BOLTS A.A.S.H.T.O. M314. THREAD TOP 10" (3 NUTS, 2 WASHERS) AND BOTTOM 5½" (2 NUTS). GALVANIZE TOP 12" ASTM A153, CLASS C

NOTE: THE FIRST DIGIT OF A BAR MARK SIGNIFIES THE BAR SIZE. BILL OF BARS 1320 LB. BAR NO. LENGTH CUT. BUN-LOCATION A701 14 16'-0" FOOTING - COLUMN/TOP A402 16 12'-0" FOOTING - COLUMN/TOP A703 17'-6" FOOTING - WINGS A404 14 FOOTING - WINGS 9'-6" X A405 10 8'-10" X FOOTING - TOP A406 4'-0" FOOTING - TOP - COLUMNS 4



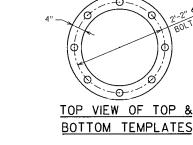
A405

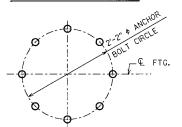
A402

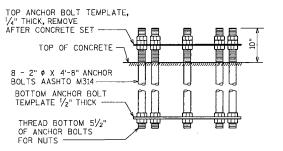


STATE PROJECT NUMBER

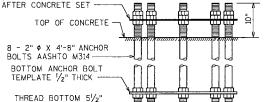
1071-08-62







ANCHOR BOLT DETAILS



8

Notes



# Wisconsin Department of Transportation

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http://www.dot.wisconsin.gov