PROJECT WITH:

0 0 3-05-

### ORDER OF SHEETS

Section No. 1 Section No. 2

Estimate of Quantities Section No. 3 Section No. 3 Miscellaneous Quantities

Plan and Profile Section No. 5 Section No. 6

Section No. 7 Sign Plates

TOTAL SHEETS = 60

## DEPARTMENT OF TRANSPORTATION Typical Sections and Details PLAN OF PROPOSED IMPROVEMENT Right of Way Plat Standard Detail Drawings

END PROJECT STA. 479+25

## NEW GLARUS - VERONA

STATE OF WISCONSIN

CTH D TO VALLEY ROAD

STH 69 DANE COUNTY

> STATE PROJECT NUMBER 1693-05-71

#### DESIGN DESIGNATION

(2014) = 6,400A.A.D.T. A.A.D.T. (2034) = 7,890D.H.V. = 4.6% = 60/40 = 5.5% DESIGN SPEED = 60 MPH = 940,000 **ESALS** 

#### CONVENTIONAL SYMBOLS

PLAN

MARSH AREA

WOODED OR SHRUB AREA

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

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

ELECTRIC FIBER OPTIC SANITARY SEWER STORM SEWER TELEPHONE UTILITY PEDESTAL POWER POLE ₫ TELEPHONE POLE Ø

\_\_ ROCK\_

BEGIN PROJECT STA. 25+40 \_LABEL \_\_ \_ X= 781,319.89 Y= 406,113.00

> HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (YEAR), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 1693-05-71

#### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY SURVEYOR Surveyor JIM SIMPSON MATT DAPP REGIONAL EXAMINER WILLIAM STROBE

APPROVED FOR THE DEPARTMENT

FILE NAME: N:\PDS\C3D\16930501\SHEETSPLAN\010101\_TI.DWG

PLOT DATE: 3/25/2014 2:02 PM

TOTAL NET LENGTH OF CENTERLINE = 8.60 MI.

PLOT BY : SIMPSON, JAMES L PLOT NAME :

#### **GENERAL NOTES**

HMA PAVEMENT OVERLAY WILL BE PLACED IN ONE 2 1/2" SURFACE COURSE LAYER.

ASPHALTIC MATERIAL PG58-28 TO BE USED IN WEDGING AND OVERLAY SURFACES.

ASPHALTIC MATERIAL CALCULATIONS ARE BASED ON 5.5% OF THE HMA PAVEMENT TONNAGE.

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

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

A 12.5 MM MIX GRADATION CAN BE USED FOR THE SURFACE LAYER AND WEDGING LAYER.

APPLY TACK COAT BEFORE PLACING WEDGING AND OVERLAY SURFACES. THE RATE OF APPLICATIONS IS 0.025 GALLONS PER SQUARE YARD OR AS DIRECTED BY THE ENGINEER.

EXACT LOCATIONS FOR THE EXTRA DEPTH PAVEMENT REPAIR AND WEDGING SHALL BE DETERMINED BY THE ENGINEER

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

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

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

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

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

EROSION CONTROL ITEMS IN THE MISC. QUAN. ARE SUGGESTED. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. MAINTAIN EROSION CONTROL ITEMS UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. PROTECT WETLANDS AND OTHER WATERWAYS THAT ARE PRESENT WITHIN THE PROJECT LIMITS.

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

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

DO NOT STORE EQUIPMENT OR MATERIAL IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

## Eric Heggelund

3911 Fish Hatchery Road Fitchburg, WI 53711 (608) 275-3301 eric.heggelund@wisconsin.gov

#### **DNR Contact**

#### **Utility Contacts**

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ATC Management, Inc. - Electricity

801 O'keefe Rd P.O. Box 6113 De Pere, WI 54115-6113

(920) 338-6582 molsen@atcllc.com

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Charter Communications - Communication Line

2701 Daniels St. Madison, WI 53718 (6080 274-3822

brandon.storm@chartercom.com

Rob Phillips

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Madison, WI 53703 (608) 266-4751

rphillips@cityofmadison.com

Ronald Rieder

City of Verona - Sewer 410 Investment Ct Verona, WI 53593-8745 (608) 845-6695

ron.rieder@ci.verona.wi.us

Robert Church

Frontier Communications of WI LLC - Communication Line

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Communication Line 13935 Bishops Dr Brookfield WI, 53005 (262) 792-7938

james.kostuch@windstream.com

Wayne Cretton

Robin Slotten

Packerland Broadband - Communication Line

105 Kent St P O Box 190 Iron Mountain, MI 49801 (906) 282-3768 wayne.cretton@plbb.us

Verona Air Park - Airport Facility 6654 Grandview Rd Verona, WI 53593 (608) 845-7239 rslotten@hughes.net

LaTroy Brumfield We Energies - Gas/Petroleum

Room A299 333 West Everett St Milwaukee, WI 53203 (414) 221-5617

latroy.brumfield@we-energies.com

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Eric Hiellen

Madison Metropolitan Sewerage District - Sewer

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Northern Natural Gas Company - Gas/Petroleum

8101 Birchwood Ct Ste F Johnston, IA 50131 (515) 226-2016 jim.carlson@nngco.com

Jerry Myers TDS Telecom - Communication Line

525 Junction Rd Madison, WI 53717 (608) 664-4404 jerry.myers@tdstelecom.com

Jerry Butts

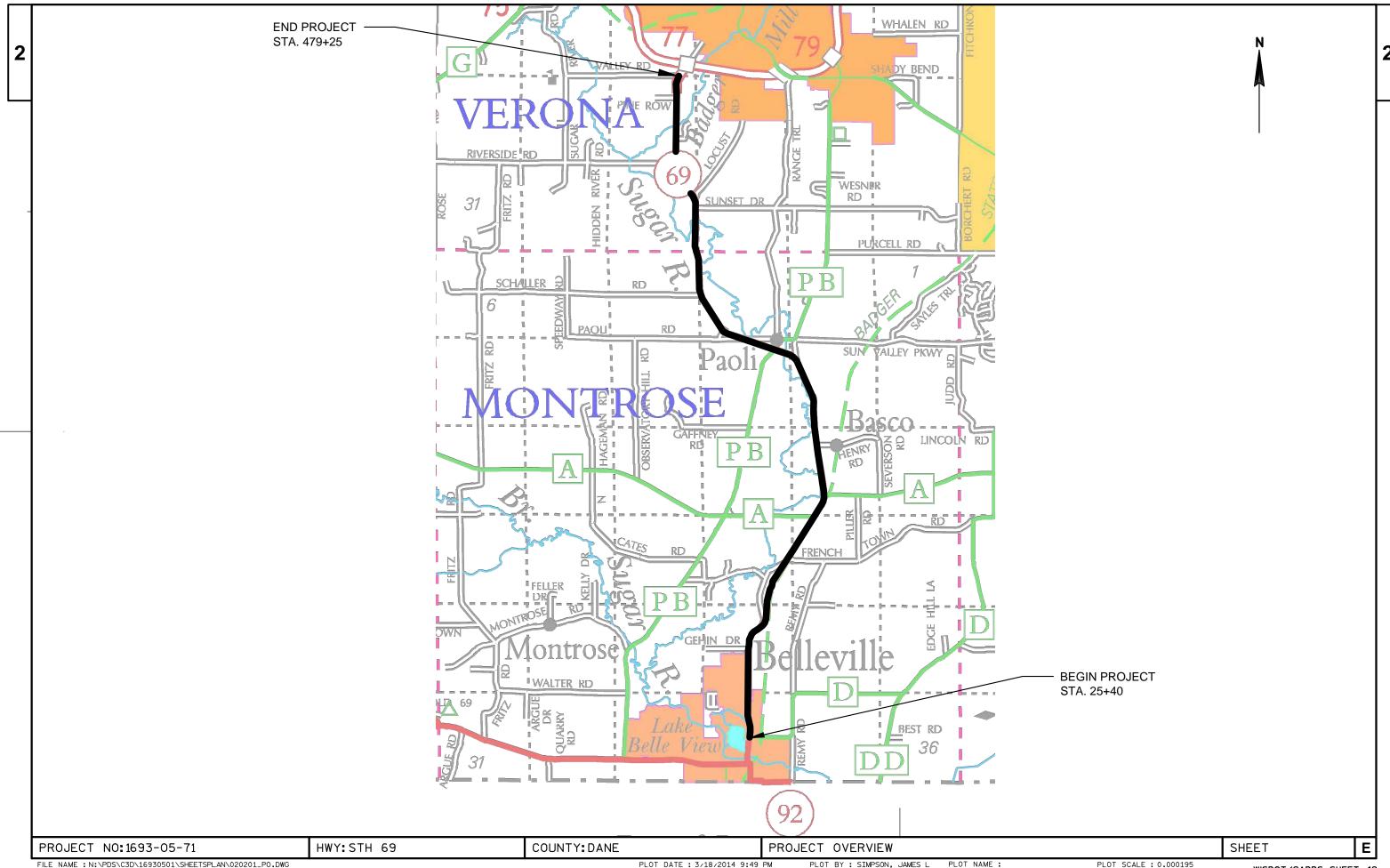
Village of Belleville - Water 24 W Main St P.O. Box 79 Belleville, WI 53508 (608) 424-3341

jbuttsvob@charterinternet.com

PROJECT NO:1693-05-71

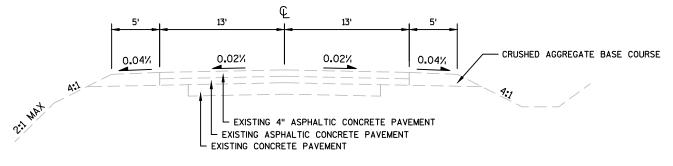
Dial 811 or (800)242-8511 www.DiggersHotline.com

SHEET



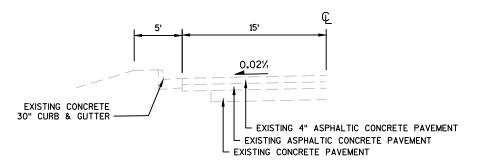
PLOT DATE: 3/18/2014 9:49 PM PLOT BY: SIMPSON, JAMES L PLOT NAME: PLOT SCALE : 0.000195 WISDOT/CADDS SHEET 42



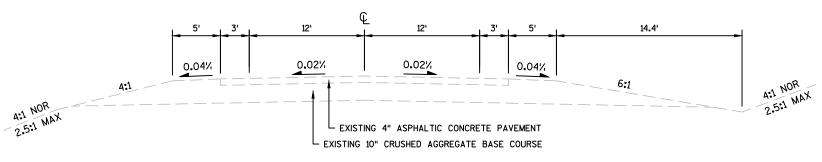


### EXISTING TYPICAL SECTION

STA. 25+40 - STA. 272+37 STA. 277+37 - STA. 382+64 STA. 387+14 - STA. 437+00 STA. 449+50 - STA. 456+55



## EXISTING TYPICAL HALF SECTION STA. 25+40 - STA. 31+75



#### EXISTING TYPICAL SECTION

STA. 272+37 - STA. 273+22 STA. 276+81 - STA. 277+37 STA. 382+64 - STA. 383+10 STA. 386+74 - STA. 387+14

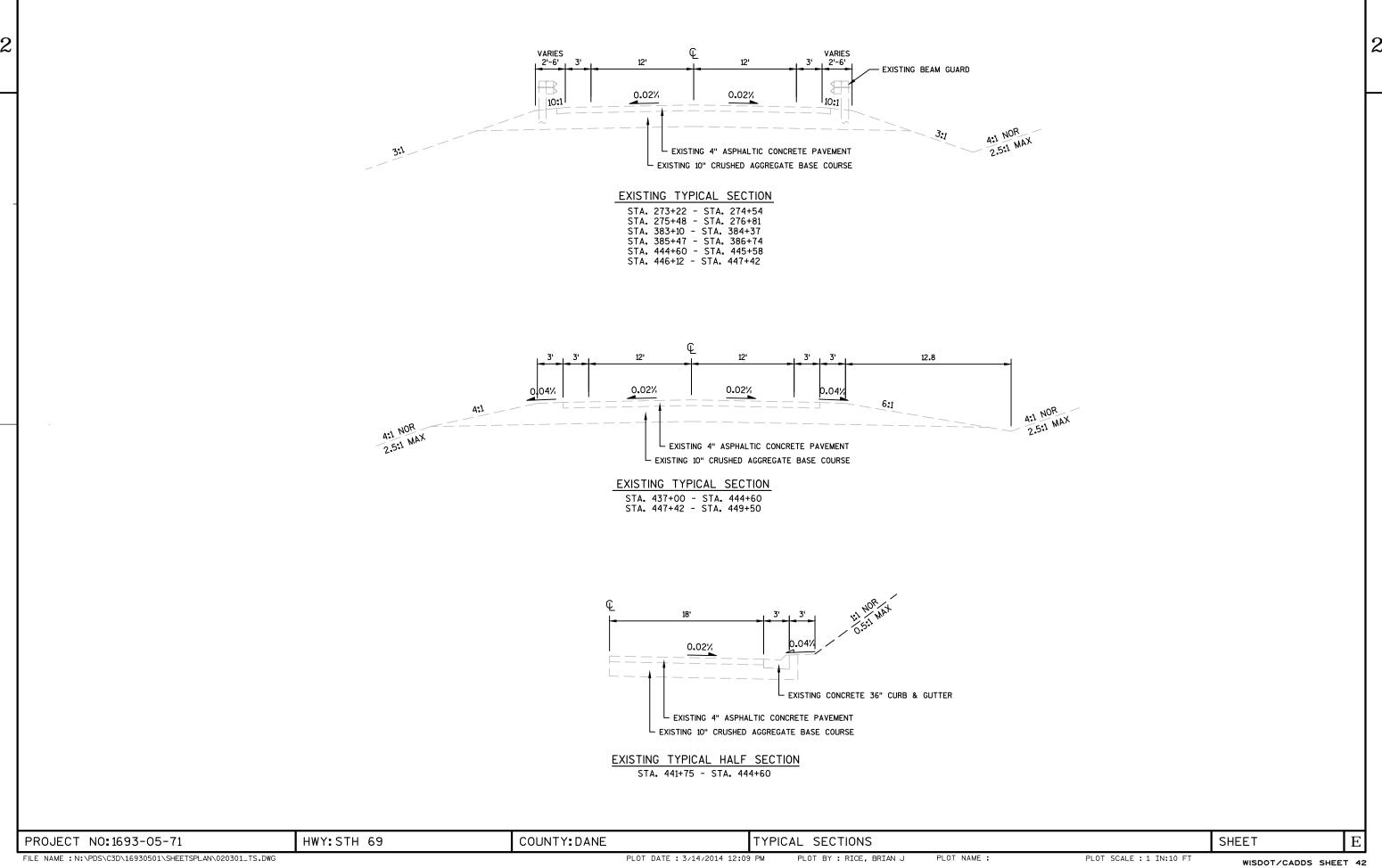
PROJECT NO:1693-05-71 HWY:STH 69 COUNTY:DANE TYPICAL SECTIONS

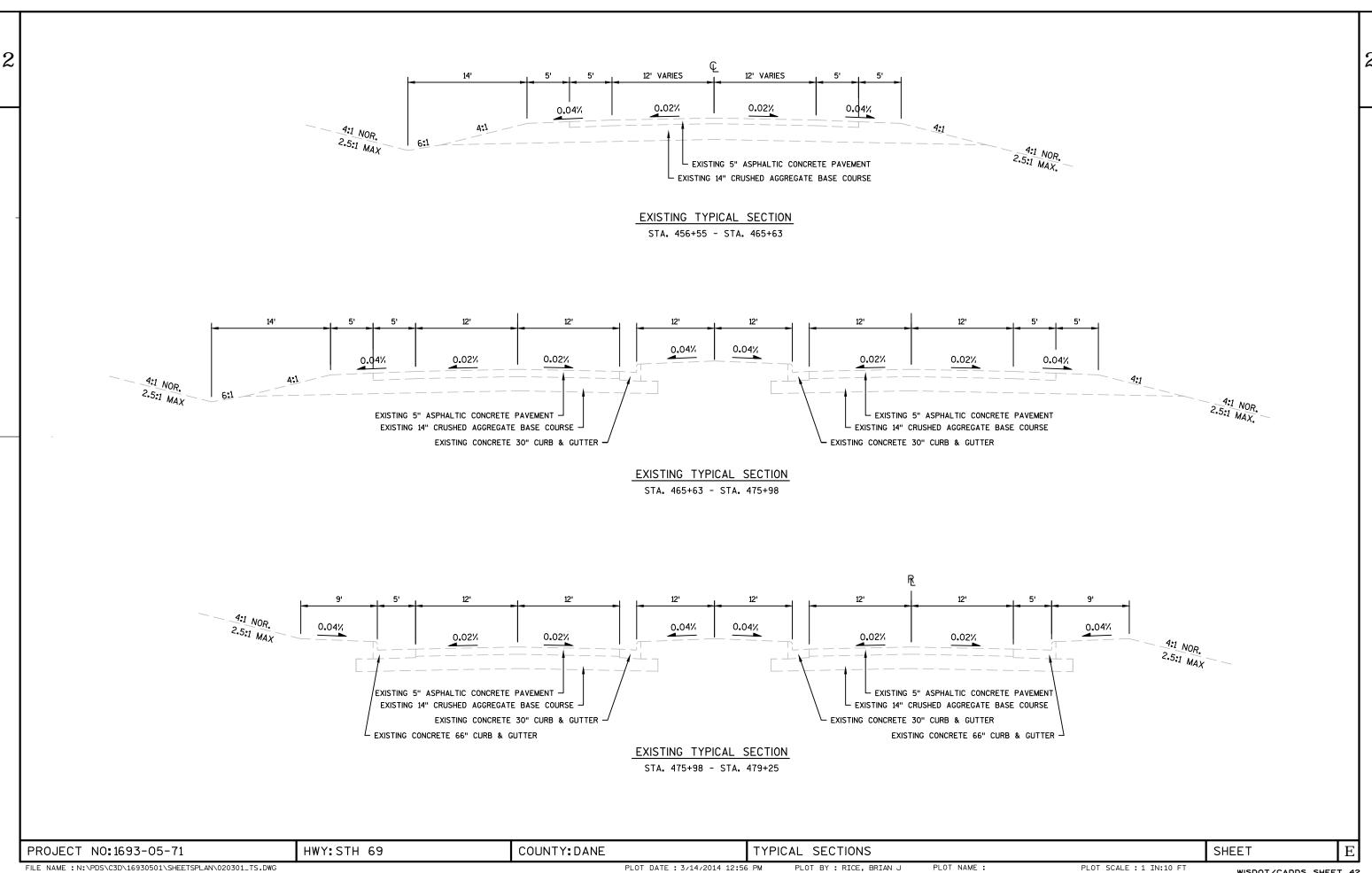
PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

E

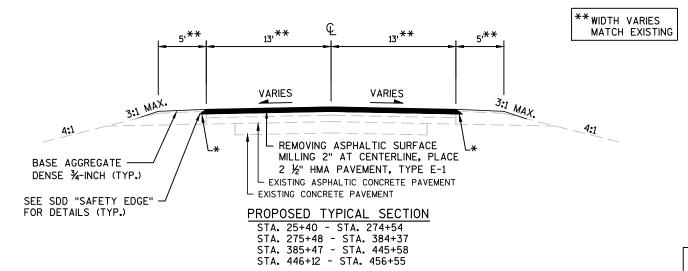
SHEET



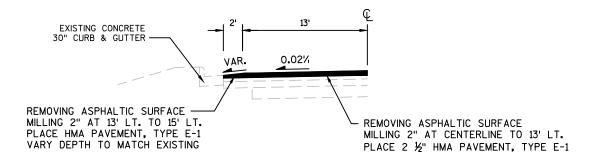


WISDOT/CADDS SHEET 42

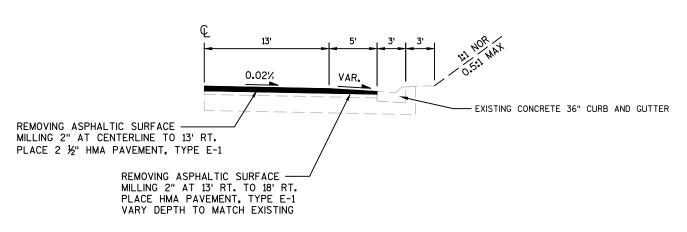




\* ADDITIONAL 3-INCHES OF REMOVING ASPHALTIC SURFACE MILLING 2" REQUIRED FOR INSTALLATION OF SDD "SAFETY EDGE."



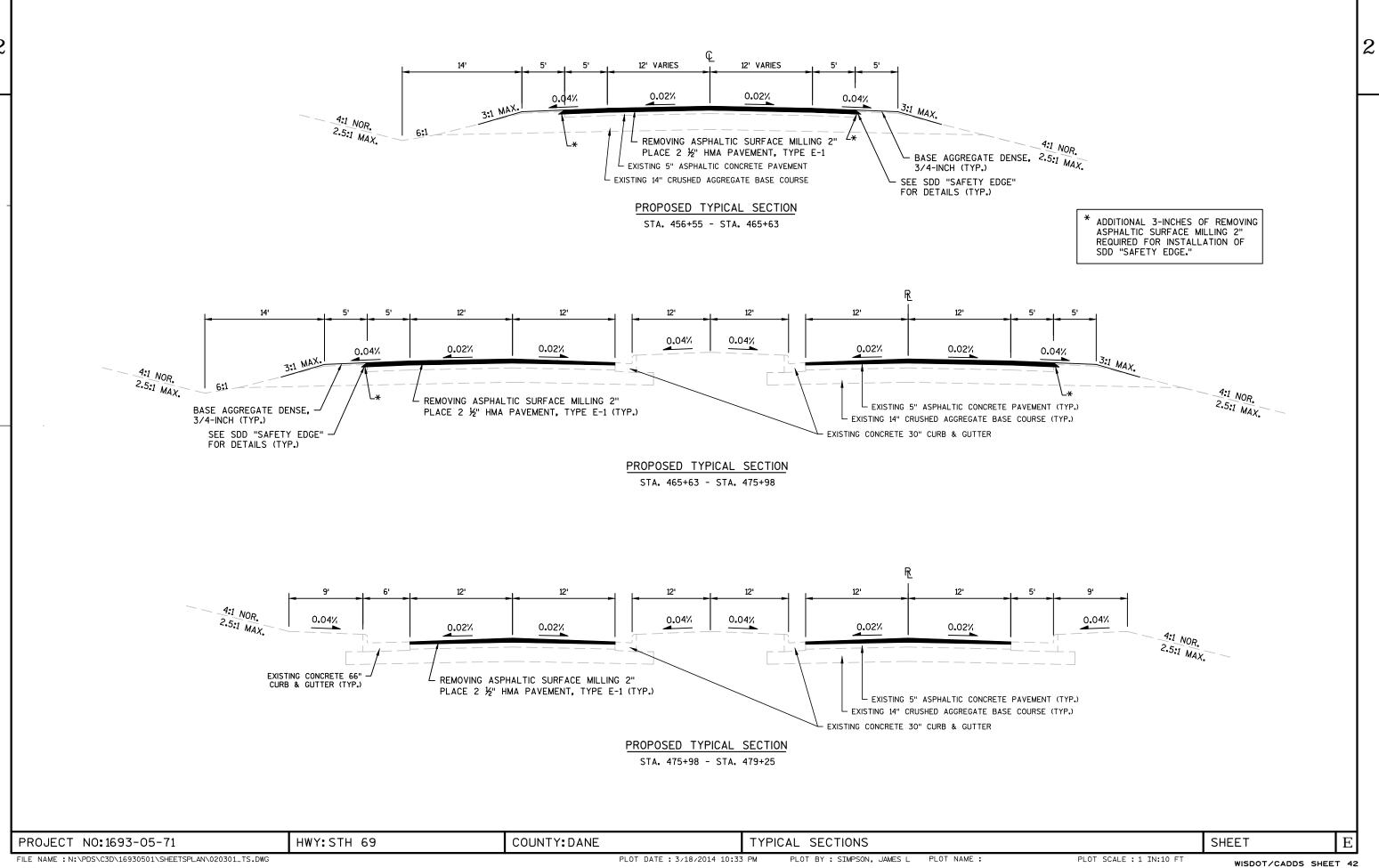
## PROPOSED TYPICAL HALF SECTION STA. 25+40 - STA. 31+75



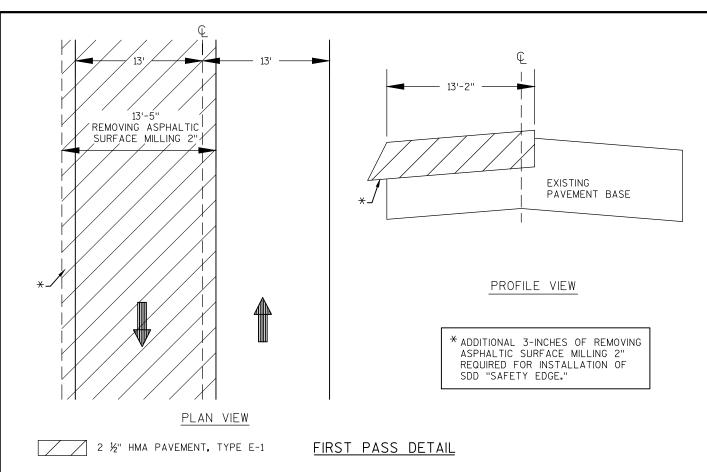
## PROPOSED TYPICAL HALF SECTION STA. 441+75 - STA. 444+60

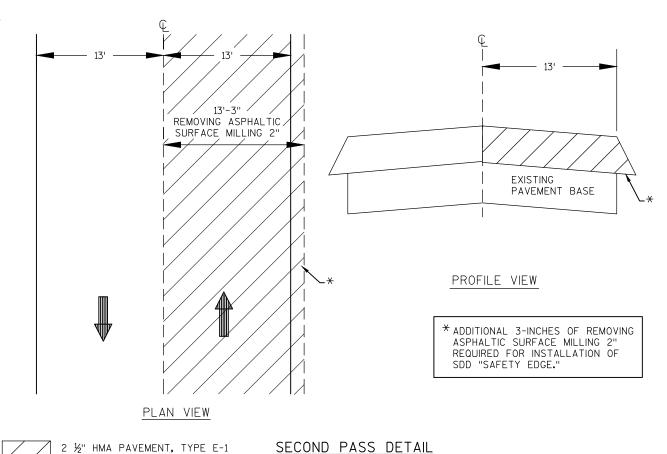
PROJECT NO:1693-05-71 HWY:STH 69 COUNTY:DANE TYPICAL SECTIONS SHEET E

FILE NAME : N:\PDS\C3D\16930501\SHEETSPLAN\020301\_TS.DWG PLOT BY:SIMPSON, JAMES L PLOT NAME: PLOT SCALE: 1 IN:10 FT WISDOT/CADDS SHEET 42



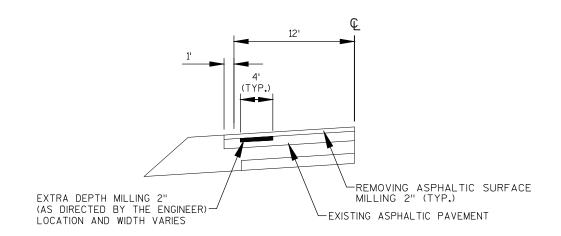






HWY:STH 69

PROJECT NO:1693-05-71

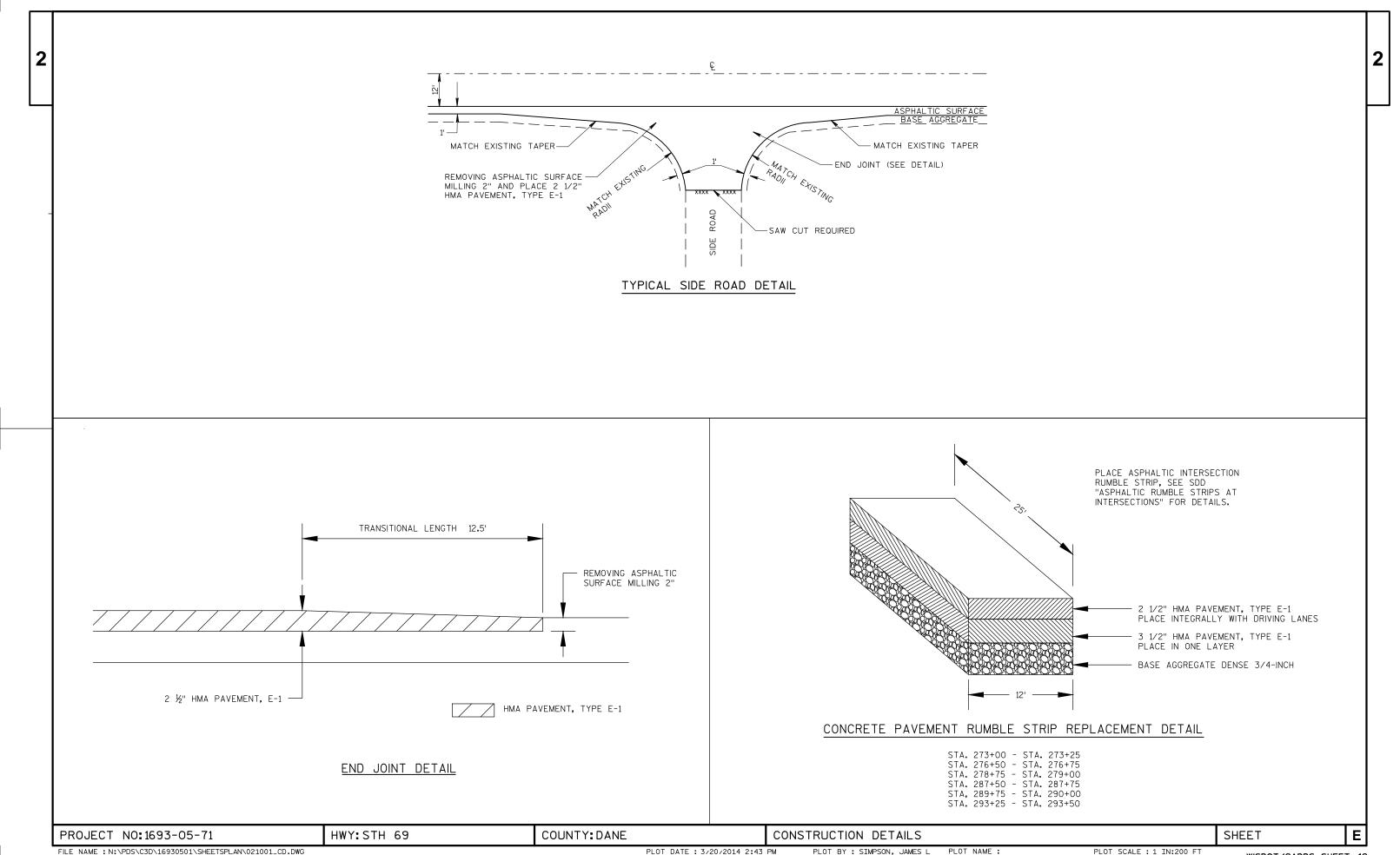


# EXTRA DEPTH PAVEMENT REPAIR DISTRESSED AREAS IN SPOT LOCATIONS

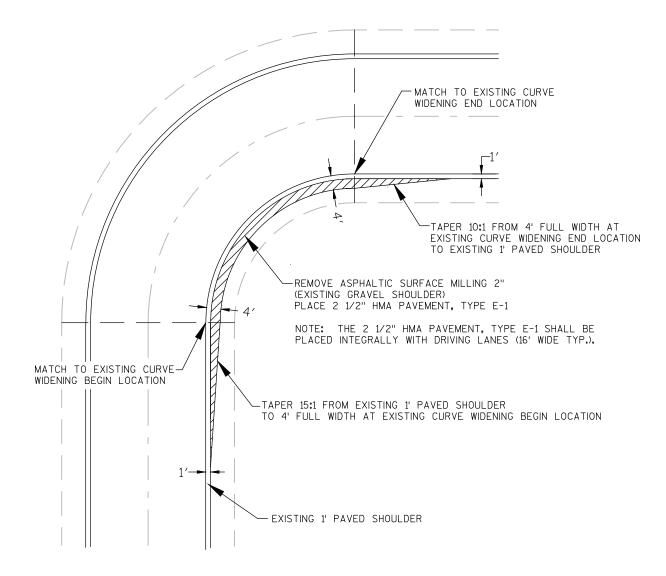
CONSTRUCTION DETAILS SHEET **E** 

FILE NAME: N:\PDS\C3D\16930501\SHEETSPLAN\021001\_CD.DWG PLOT BY: SIMPSON, JAMES L PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 42

COUNTY: DANE

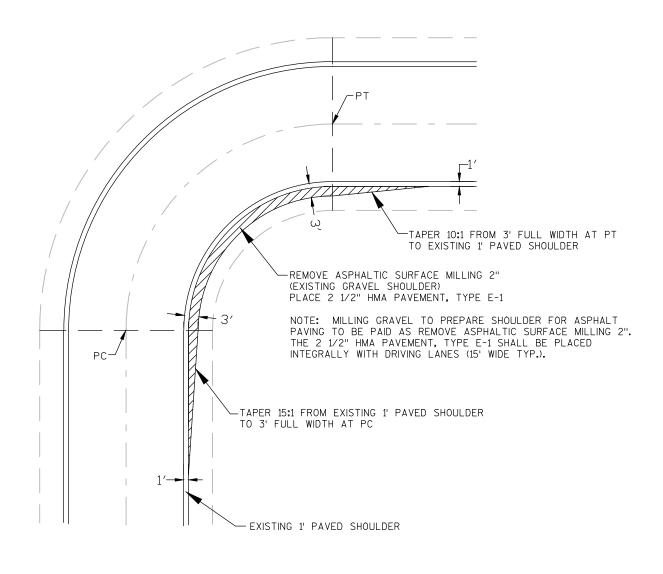


PLOT DATE: 3/20/2014 2:43 PM PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42





FOR LOCATIONS WITH EXISTING CURVE WIDENING



#### CURVE WIDENING DETAIL "B"

FOR LOCATIONS WITHOUT EXISTING CURVE WIDENING

PROJECT NO:1693-05-71 HWY:STH 69 COUNTY:DANE CONSTRUCTION DETAILS SHEET **E** 

FILE NAME : N:\PDS\C3D\16930501\SHEETSPLAN\021001\_CD.DWG PLOT BY:SIMPSON, JAMES L PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 42

DATE 24	APR14	EST	IMAT	E O F Q U A N	
LI NE NUMBER	ITEM	I TEM DESCRIPTION	UNI T	TOTAL	1693-05-71 QUANTI TY
0010	204. 0100	REMOVING PAVEMENT	SY	200. 000	200. 000
0020	204. 0120	REMOVING ASPHALTIC SURFACE MILLING	SY	151, 788. 000	151, 788. 000
0020	211. 0400	PREPARE FOUNDATION FOR ASPHALTIC	STA	42. 000	42. 000
0000	211.0100	SHOULDERS	0171	12. 000	12. 000
0040	213. 0100	FINISHING ROADWAY (PROJECT) 01.	EACH	1. 000	1. 000
		1693-05-71			
0050	305. 0110	BASE AGGREGATE DENSE 3/4-INCH	TON	6, 724. 000	6, 724. 000
				· 	·
0060	455. 0105	ASPHALTIC MATERIAL PG58-28	TON	1, 230. 000	1, 230. 000
0070	455. 0605	TACK COAT	GAL	3, 795. 000	3, 795. 000
0800	460. 1101	HMA PAVEMENT TYPE E-1	TON	22, 360. 000	22, 360. 000
0090	465. 0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD	TON	172. 000	172. 000
0400	4/5 0450	ENTRANCES	0)/	000 000	000 000
0100	465. 0450	ASPHALTIC INTERSECTION RUMBLE STRIP	SY	200. 000	200. 000
0110	610 0100	MALNITENANCE AND DEDALD OF HALL DOADS	FACIL	1 000	1 000
0110	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS	EACH	1. 000	1. 000
0100	(10 1000	(PROJECT) 01. 1693-05-71	FACIL	1 000	1 000
0120	619. 1000	MOBILIZATIONS EDOCLON CONTROL	EACH	1. 000	1.000
0130	628. 1905	MOBILIZATIONS EROSION CONTROL	EACH	2.000	2.000
0140	628. 1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	2.000	2.000
0150	628. 7020	INLET PROTECTION TYPE D	EACH	17. 000	17. 000
0160	634. 0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	7. 000	7. 000
0170	637. 2230	SIGNS TYPE II REFLECTIVE F	SF	101.000	101.000
0180	638. 2602	REMOVING SIGNS TYPE II	EACH	10.000	10. 000
0190	642. 5001	FIELD OFFICE TYPE B	EACH	1. 000	1. 000
0200	643. 0100	TRAFFIC CONTROL (PROJECT) 01. 1693-05-71	EACH	1. 000	1. 000
-200	2 . 3 . 3 . 3 0	(	_,,,,,,	500	550
0210	643. 0300	TRAFFIC CONTROL DRUMS	DAY	250. 000	250. 000
0220	643. 0900	TRAFFIC CONTROL SIGNS	DAY	2, 050. 000	2, 050. 000
0230	643. 1050	TRAFFIC CONTROL SIGNS PCMS	DAY	70. 000	70. 000
0240	646. 0406	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	LF	181, 540. 000	181, 540. 000
0250	647. 0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH		172. 000	172. 000
			•		
0260	647. 0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	LF	190.000	190. 000
0270	647. 0776	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH		383. 000	383. 000
0280	650. 8000	CONSTRUCTION STAKING RESURFACING	LF	45, 385. 000	45, 385. 000
		REFERENCE	•	,	,
0290	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL	LS	1. 000	1. 000
- · ·		CONTROL (PROJECT) 01. 1693-05-71	-		
0300	690. 0150	SAWING ASPHALT	LF	1, 074. 000	1,074.000
		· · ·			
0310	SPV. 0180	SPECIAL O1. EXTRA DEPTH MILLING	SY	14, 178. 000	14, 178. 000
0320	SPV. 0195	SPECIAL 01. EXTRA DEPTH HMA PAVEMENT	TON	1, 613. 000	1, 613. 000
		TYPE E-1	-	,	,
0330	SPV. 0195	SPECIAL 02. EXTRA DEPTH ASPHALTIC	TON	89. 000	89. 000
		MATERIAL PG58-28			

## **REMOVING PAVEMENT ITEMS**

				204.0100	204.0120	690.0150
					REMOVING	
					ASPHALTIC	
				REMOVING	SURFACE	SAWING
				PAVEMENT	MILLING	ASPHALT
STATION	TO	STATION	LOCATION	SY	SY	LF
273+00	-	273+25	MAINLINE	33	-	-
276+50	-	276+75	MAINLINE	33	-	-
278+75	-	279+00	MAINLINE	34	-	-
287+50	-	287+75	MAINLINE	33	-	-
289+75	-	290+00	MAINLINE	33	-	-
293+25	-	293+50	MAINLINE	34	-	-
25+40	-	479+25	2" OVERLAP AT CENTERLINE	-	867	-
25+40	-	274+54	MAINLINE	-	74222	-
275+48	-	384+37	MAINLINE	-	32076	-
385+47	-	445+58	MAINLINE	-	19523	-
446+12	-	479+25	MAINLINE	-	15963	-
25+40	-	479+25	INTERSECTIONS	-	7907	784
25+40	-	479+25	DRIVEWAYS	-	1229	290
			TOTAL:	200	151788	1074

## **BASE AGGREGATE**

#### 305.0110

BASE AGGREGATE

DENSE

3/4 - INCH

STATION	TO	STATION	LOCATION	TON	REMARKS
25+40	-	274+54	MAINLINE	3691	SHOULDERS
275+48	-	384+37	MAINLINE	1613	SHOULDERS
385+47	-	445+58	MAINLINE	891	SHOULDERS
446+12	-	479+25	MAINLINE	491	SHOULDERS
273+00	-	293+50	MAINLINE	39	RUMBLE STRIPS

TOTAL: 6724

## **HMA ITEMS**

				455.0105	455.0605	460.1101	465.0120	465.0450
							ASPHALTIC	
						HMA	SURFACE	ASPHALTIC
				ASPHALTIC		PAVEMENT	DRIVEWAYS	INTERSECTION
				MATERIAL	TACK	TYPE	AND FIELD	RUMBLE
				PG 58-28	COAT	E-1	ENTRANCES	STRIP
STATION	TO	STATION	LOCATION	TON	GAL	TON	TON	SY
269+90	-	270+15	MAINLINE	-	-	-	-	33
273+00	-	273+25	MAINLINE	-	-	-	-	33
278+00	-	278+25	MAINLINE	-	-	-	-	34
287+90	-	288+15	MAINLINE	-	-	-	-	33
292+60	-	292+85	MAINLINE	-	-	-	-	33
298+90	-	299+15	MAINLINE	-	-	-	-	34
25+40		479+25	2" OVERLAP AT CENTERLINE	7	22	121	-	-
25+40	-	274+54	MAINLINE	572	1856	10391	-	-
275+48	-	384+37	MAINLINE	247	802	4491	-	-
385+47	-	445+58	MAINLINE	150	488	2733	-	-
446+12	-	479+25	MAINLINE	123	399	2235	-	-
25+40	-	479+25	INTERSECTIONS	61	198	1107	-	-
25+40	-	479+25	DRIVEWAYS	-	31	-	172	-
25+40		479+25	WEDGING	70		1281	-	<u>-</u> _
			TOTAL:	1230	3795	22360	172	200

## **PAVEMENT MARKING**

			TOTAL:	181540	172	190	383	
282+50	-	283+70	MAINLINE	-	26	-	-	
51+20	-	51+45	MAINLINE	-	-	86	60	
40+25	-	40+31	MAINLINE	-	-	104	60	
25+40	-	479+25	SIDEROADS	-	146	-	263	
25+40	-	479+25	MAINLINE	181540	-	-	-	MOVING PAVING OPERATION
STATION	TO	STATION	LOCATION	LF	LF	LF	LF	REMARKS
				4-INCH	18-INCH	12-INCH	12-INCH	
				EPOXY	EPOXY	EPOXY	EPOXY	
				SAME DAY	STOP LINE	DIAGONAL	CROSSWALK	
				MARKING	MARKING	MARKING	MARKING	
				PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT	
				646.0406	647.0566	647.0726	647.0776	

## 3

## PERMANENT SIGNING

					634.0616 POST WOOD 4X6-INCH	637.2230 SIGNS TYPE II	638.2602 REMOVING SIGNS	
SIGN		SIGN	SIGN		X 16-FT	REFLECTIVE F	TYPE II	
NUMBER	LOCATION	CODE	WXH	MESSAGE	EACH	SF	EACH	REMARKS
R1-01	38+00 RT	W11-2	30 x 30	PEDESTRIAN	-	-	1	
R1-02	40+00 RT	W11-2	30 x 30	PEDESTRIAN	-	-	1	
R1-03	40+00 RT	W16-7L	24 x 12	ARROW	-	-	1	
R1-04	41+00 LT	W11-2	30 x 30	PEDESTRIAN	-	-	1	
R1-05	41+00 LT	W16-7L	24 x 12	ARROW	-	-	1	
1-01	38+00 RT	W11-2	30 x 30	PEDESTRIAN	-	6.25	-	MOUNT ON EXISTING POST
1-02	40+00 RT	W11-2	30 x 30	PEDESTRIAN	-	6.25	-	MOUNT ON EXISTING POST
1-03	40+00 RT	W16-7L	24 x 12	ARROW	-	2	-	MOUNT ON EXISTING POST
1-04	41+00 LT	W11-2	30 x 30	PEDESTRIAN	-	6.25	-	MOUNT ON EXISTING POST
1-05	41+00 LT	W16-7L	24 x 12	ARROW	-	2	-	MOUNT ON EXISTING POST
R2-01	51+00 RT	W11-2	30 x 30	PEDESTRIAN	-	-	1	
R2-02	51+00 RT	W16-7L	24 x 12	ARROW	-	-	1	
R2-03	52+00 LT	W11-2	30 x 30	PEDESTRIAN	-	-	1	
R2-04	52+00 LT	W16-7L	24 x 12	ARROW	-	-	1	
R2-05	56+00 FT	W11-2	30 x 30	PEDESTRIAN	-	-	1	
2-01	51+00 RT	W11-2	30 x 30	PEDESTRIAN	-	6.25	-	MOUNT ON EXISTING POST
2-02	51+00 RT	W16-7L	24 x 12	ARROW	-	2	-	MOUNT ON EXISTING POST
2-03	52+00 LT	W11-2	30 x 30	PEDESTRIAN	-	6.25	-	MOUNT ON EXISTING POST
2-04	52+00 LT	W16-7L	24 x 12	ARROW	-	2	-	MOUNT ON EXISTING POST
2-05	56+00 LT	W11-2	30 x 30	PEDESTRIAN	-	6.25	-	MOUNT ON EXISTING POST
3-01	171+00 RT	W1-1L	36 x 36	ARROW	1	9	-	
4-01	233+00 RT	W13-1	18 x 18	ADVISORY SPEED	-	2.25	-	MOUNT 45 M.P.H ON EXISTING POST
4-02	239+86 RT	W1-8	18 x 24	CHEVRON	1	3	-	
4-03	239+86 RT	W1-8	18 x 24	CHEVRON	-	3	-	
4-04	241+06 RT	W1-8	18 x 24	CHEVRON	1	3	-	
4-05	241+06 RT	W1-8	18 x 24	CHEVRON	-	3	-	
4-06	242+26 RT	W1-8	18 x 24	CHEVRON	1	3	-	
4-07	242+26 RT	W1-8	18 x 24	CHEVRON	-	3	-	
4-08	243+46 RT	W1-8	18 x 24	CHEVRON	1	3	-	
4-09	243+46 RT	W1-8	18 x 24	CHEVRON	-	3	-	
4-10	251+00 LT	W13-1	18 x 18	ADVISORY SPEED	-	2.25	-	MOUNT 45 M.P.H ON EXISTING POST
5-01	330+00 RT	W1-1R	36 x 36	ARROW	1	9	-	
5-02	350+00 LT	W1-1L	36 x 36	ARROW	1	9	<u>-</u>	
			<u>-</u>	TOTAL:	7	101	10	

## **EROSION CONTROL**

		628.1905	628.1910	628.7020
		MOBILIZATIONS	MOBILIZATIONS	INLET
		EROSION	EMERGENCY	PROTECTION
		CONTROL	<b>EROSION CONTROL</b>	TYPE D
STATION	LOCATION	EACH	EACH	EACH
25+40 - 479+25	UNDISTRIBUTED	2	2	-
25+40 RT	MAINLINE	-	-	1
27+38 LT	MAINLINE	-	-	1
36+18 RT	MAINLINE	-	-	1
45+84 RT	GREENWAY CROSS CT	-	-	1
46+26 RT	GREENWAY CROSS CT	-	-	1
465+70 LT	MAINLINE	-	-	2
467+72 LT	MAINLINE	-	-	2
471+50 LT	MAINLINE	-	-	1
475+17 LT	MAINLINE	-	-	1
476+58 LT/RT	MAINLINE	-	-	3
480+22 LT/RT	MAINLINE	-	-	3
	TOTAL	2	2	17

## **CONSTRUCTION STAKING**

	650.8000	650.9910
	CONSTRUCTION	CONSTRUCTION
	STAKING	STAKING
	RESURFACING	SUPPLEMENTAL
	REFERENCE	CONTROL (1693-05-71)
LOCATION	LF	LS
PROJECT	45385	1

## TRAFFIC CONTROL

	TOTAL:	1	250	2050	70
UNDISTRIBUTED	-	-	250	-	-
PROJECT	25	1	-	2050	70
LOCATION	DAYS	EACH	DAY	DAY	DAY
		(1693-05-71)	DRUMS	SIGNS	PCMS
		CONTROL	CONTROL	CONTROL	SIGNS
		TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC CONTRO
		643.0100	643.0300	643.0900	643.1050

## FOUNDATION PREPARATION

211.0400

PREPARE FOUNDATION FOR ASPHALTIC

SHOULDERS

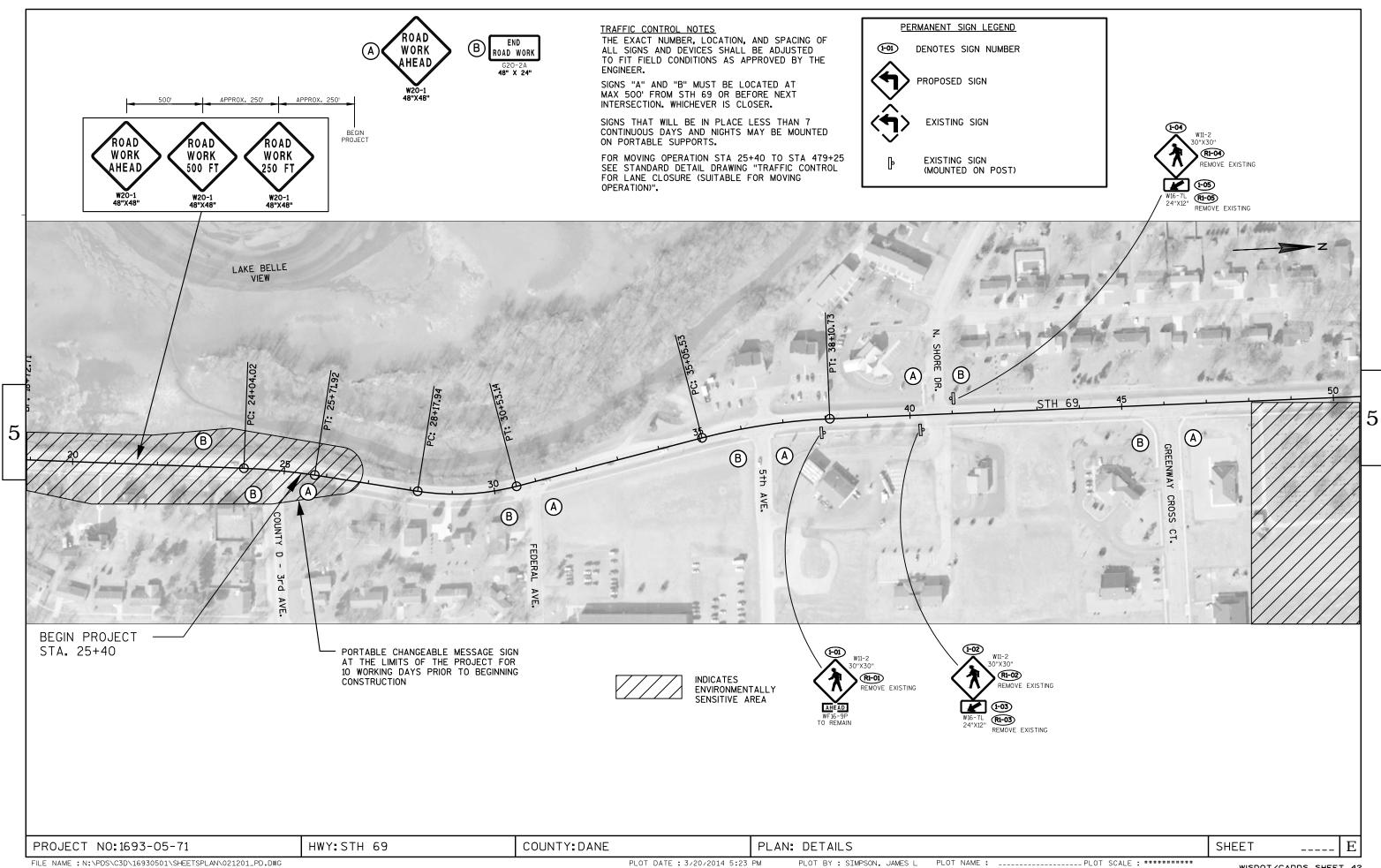
-				TOTAL:	42	
	400+25	-	402+77	MAINLINE	2	
	336+44	-	343+98	MAINLINE	8	
	270+00	-	272+99	MAINLINE	3	
	239+87	-	243+78	MAINLINE	4	
	176+54	-	185+50	MAINLINE	9	
	93+91	-	101+95	MAINLINE	8	
	81+33	-	89+82	MAINLINE	8	
	STATION	TO	STATION	LOCATION	STA	

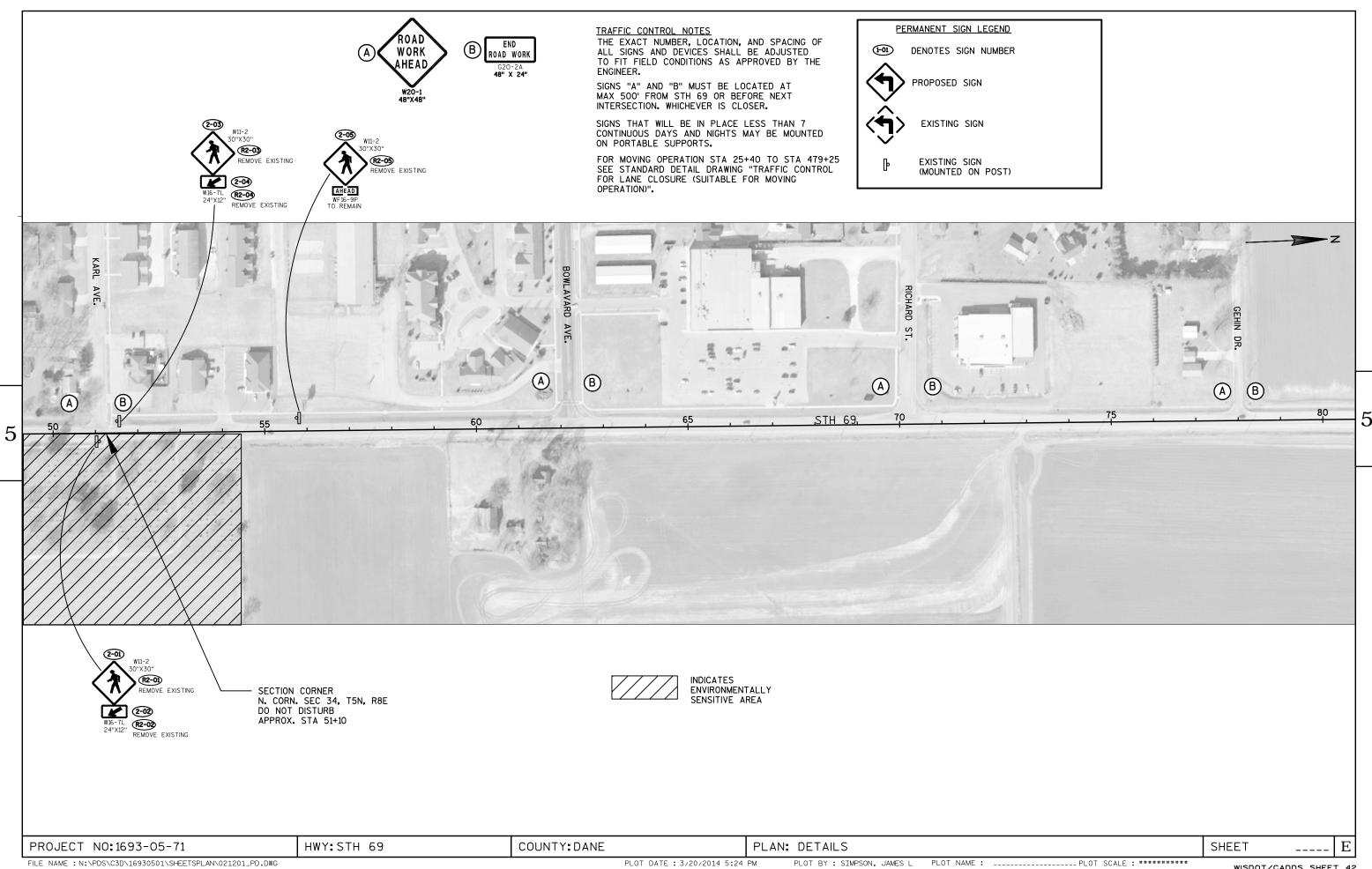
PROJECT NO:1693-05-71 HWY: STH 69 COUNTY:DANE MISCELLANEOUS QUANTITIES SHEET: **E** 

FILE NAME : N:\PDS\...\030200\_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

## EXTRA DEPTH PAVEMENT REPAIR IN DISTRESSED LOCATIONS

				SPV.0180.01 EXTRA DEPTH	SPV.0195.01 EXTRA DEPTH HMA PAVEMENT	SPV.0195.02 EXTRA DEPTH ASPHALTIC MATER	NAL
0.74.710.11	<b>T</b> 0	OT 4 TION	LOGATION	MILLING	TYPE E-1	PG 58-28	DEMARKS
STATION	TO	STATION	LOCATION	SY	TON	TON	REMARKS
36+00	-	40+00	NB MAINLINE - 4' SECTION	178	20	1	RIGHT WHEELPATH
78+00	-	80+00	SB MAINLINE - 4' SECTION	89	10	1	RIGHT WHEELPATH
125+00	-	127+00	NB MAINLINE - 4' SECTION	178	20	1	RIGHT WHEELPATH AND CENTER
134+00	-	137+00	SB MAINLINE - 4' SECTION	133	15	1	RIGHT WHEELPATH
123+00	-	135+00	NB MAINLINE - 4' SECTION	533	60	3	RIGHT WHEELPATH
144+00	-	163+00	NB MAINLINE - 4' SECTION	844	95	5	RIGHT WHEELPATH
144+00	-	163+00	SB MAINLINE - 4' SECTION	1689	189	10	RIGHT WHEELPATH AND CENTER
168+00	-	172+00	SB MAINLINE - 4' SECTION	178	20	1	CENTER
163+00	-	172+00	NB MAINLINE - 4' SECTION	400	45	2	RIGHT WHEELPATH
203+00	-	210+00	SB MAINLINE - 4' SECTION	311	35	2	CENTER
215+00	-	219+00	NB MAINLINE - 4' SECTION	178	20	1	CENTER
247+00	-	265+00	SB MAINLINE - 4' SECTION	800	90	5	RIGHT WHEELPATH
269+00	-	274+00	NB MAINLINE - 4' SECTION	222	25	1	RIGHT WHEELPATH
276+00	-	281+00	SB MAINLINE - 4' SECTION	222	25	1	RIGHT WHEELPATH
284+00	-	295+00	SB MAINLINE - 4' SECTION	978	110	6	RIGHT WHEELPATH AND CENTER
285+00	_	295+00	NB MAINLINE - 4' SECTION	889	100	5	RIGHT WHEELPATH AND CENTER
317+00	_	320+00	SB MAINLINE - 4' SECTION	133	15	1	RIGHT WHEELPATH
323+00	-	325+00	SB MAINLINE - 4' SECTION	89	10	1	RIGHT WHEELPATH
339+00	-	348+00	NB MAINLINE - 4' SECTION	800	90	5	LEFT AND RIGHT WHEELPATH
372+00	_	375+00	SB MAINLINE - 4' SECTION	133	15	1	RIGHT WHEELPATH
364+00	-	380+00	SB MAINLINE - 4' SECTION	711	80	4	RIGHT WHEELPATH
385+00	_	392+00	SB MAINLINE - 4' SECTION	622	70	4	LEFT AND RIGHT WHEELPATH
394+00	_	398+00	NB MAINLINE - 4' SECTION	178	20	1	LEFT WHEELPATH
403+00	_	405+00	SB MAINLINE - 4' SECTION	89	10	1	RIGHT WHEELPATH
406+00	_	409+00	NB MAINLINE - 4' SECTION	133	15	1	RIGHT WHEELPATH
418+00	-	438+00	SB MAINLINE - 4' SECTION	889	100	5	RIGHT WHEELPATH
418+00	_	438+00	NB MAINLINE - 4' SECTION	889	100	5	RIGHT WHEELPATH
450+00	_	457+00	SB MAINLINE - 4' SECTION	311	35	2	RIGHT WHEELPATH
455+00	_	457+00	SB MAINLINE - 4' SECTION	89	10	_ 1	RIGHT WHEELPATH
25+40	_	479+25	UNDISTRIBUTED	1289	147	8	
273+00	-	273+25	MAINLINE	-	4	0.2	3.5" OF ASPHALT IN RUMBLE STRIPS
276+50	_	276+75	MAINLINE	_	<b>∡</b>	0.2	3.5" OF ASPHALT IN RUMBLE STRIPS
278+75	_	279+00	MAINLINE	_	<del>т</del> Л	0.2	3.5" OF ASPHALT IN RUMBLE STRIPS
287+50	-	279+00 287+75	MAINLINE	_	<del>т</del> Л	0.2	3.5" OF ASPHALT IN RUMBLE STRIPS
			MAINLINE	-	<del>'1</del> 1		3.5" OF ASPHALT IN RUMBLE STRIPS
289+75	-	290+00	MAINLINE	<u>-</u>	4	0.2	3.5 OF ASPHALT IN RUMBLE STRIPS  3.5" OF ASPHALT IN RUMBLE STRIPS
293+25	-	293+50	TOTAL:	14178	1613	0.2 <b>89</b>	3.3 OF ASFRALT IN RUIVIDLE STRIPS





WISDOT/CADDS SHEET 42



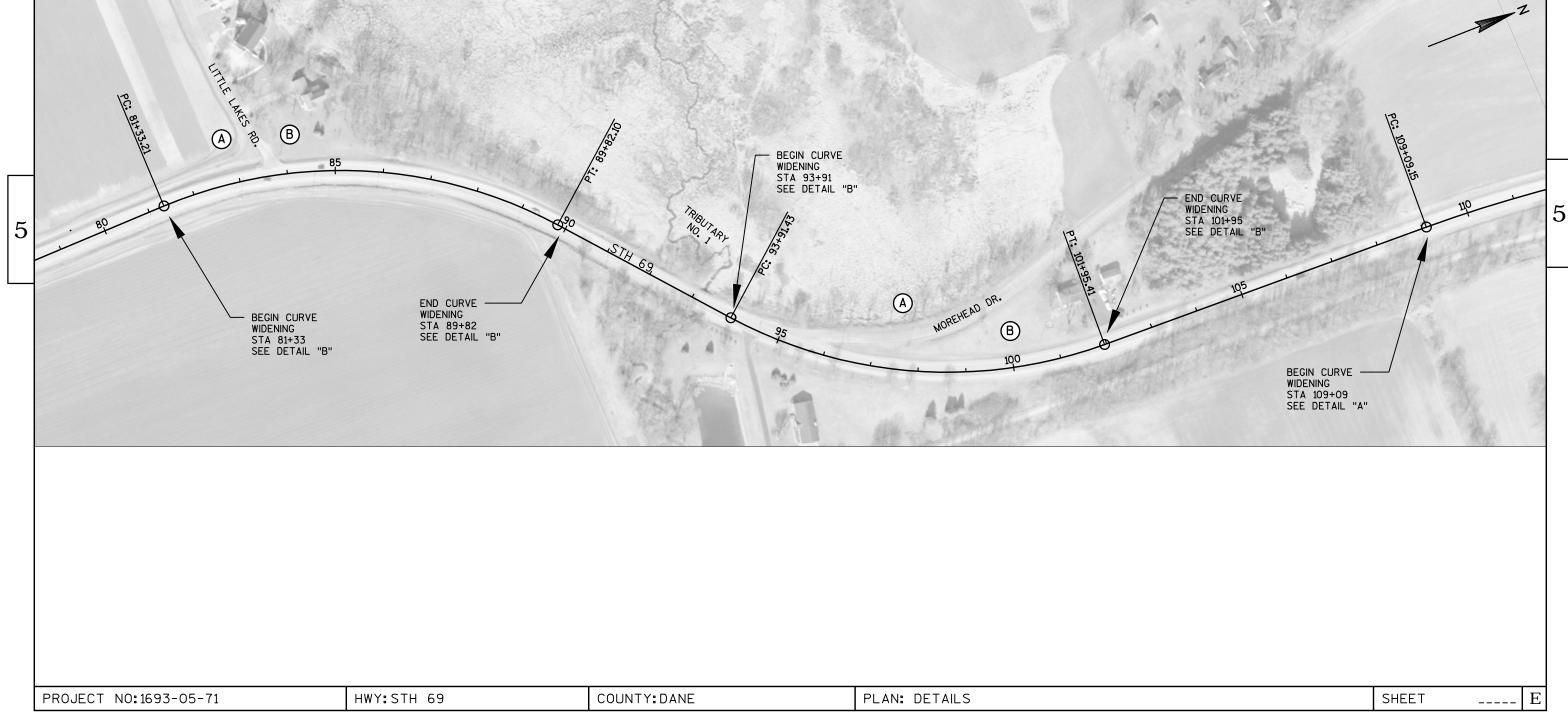
TRAFFIC CONTROL NOTES

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

SIGNS "A" AND "B" MUST BE LOCATED AT MAX 500' FROM STH 69 OR BEFORE NEXT INTERSECTION. WHICHEVER IS CLOSER.

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

FOR MOVING OPERATION STA 25+40 TO STA 479+25 SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATION)".



FILE NAME : N:\PDS\C3D\16930501\SHEETSPLAN\021201\_PD.DWG

PLOT DATE: 3/20/2014 5:24 PM

PLOT BY : SIMPSON, JAMES L PLOT NAME : \_\_\_\_\_PLOT SCALE : \*\*\*\*\*\*\*\*\*\*\*



SIGNS "A" AND "B" MUST BE LOCATED AT MAX 500' FROM STH 69 OR BEFORE NEXT INTERSECTION. WHICHEVER IS CLOSER.

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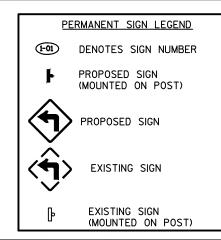


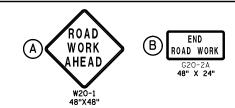
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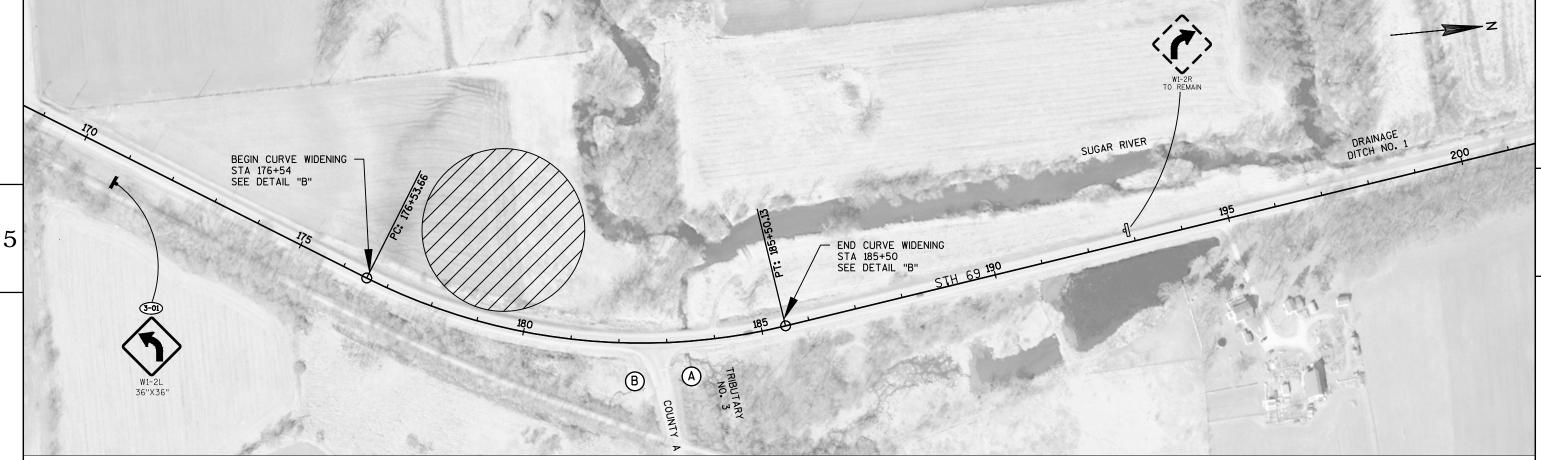




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PROJECT NO:1693-05-71 HWY:STH 69 COUNTY:DANE PLAN: DETAILS SHEET \_\_\_\_ E

FILE NAME : N:\PDS\C3D\16930501\SHEETSPLAN\021206\_PD.DWG

PLOT DATE: 3/25/2014 2:10 PM

PLOT BY : SIMPSON, JAMES L PLOT NAME : \_\_\_\_\_PLOT SCALE : \*\*\*\*\*\*\*\*\*\*\*



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

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PERMANENT SIGN LEGEND

**1-01** 

DENOTES SIGN NUMBER

H

PROPOSED DOUBLE SIGNS (MOUNTED ON ONE POST)



PROPOSED SIGN



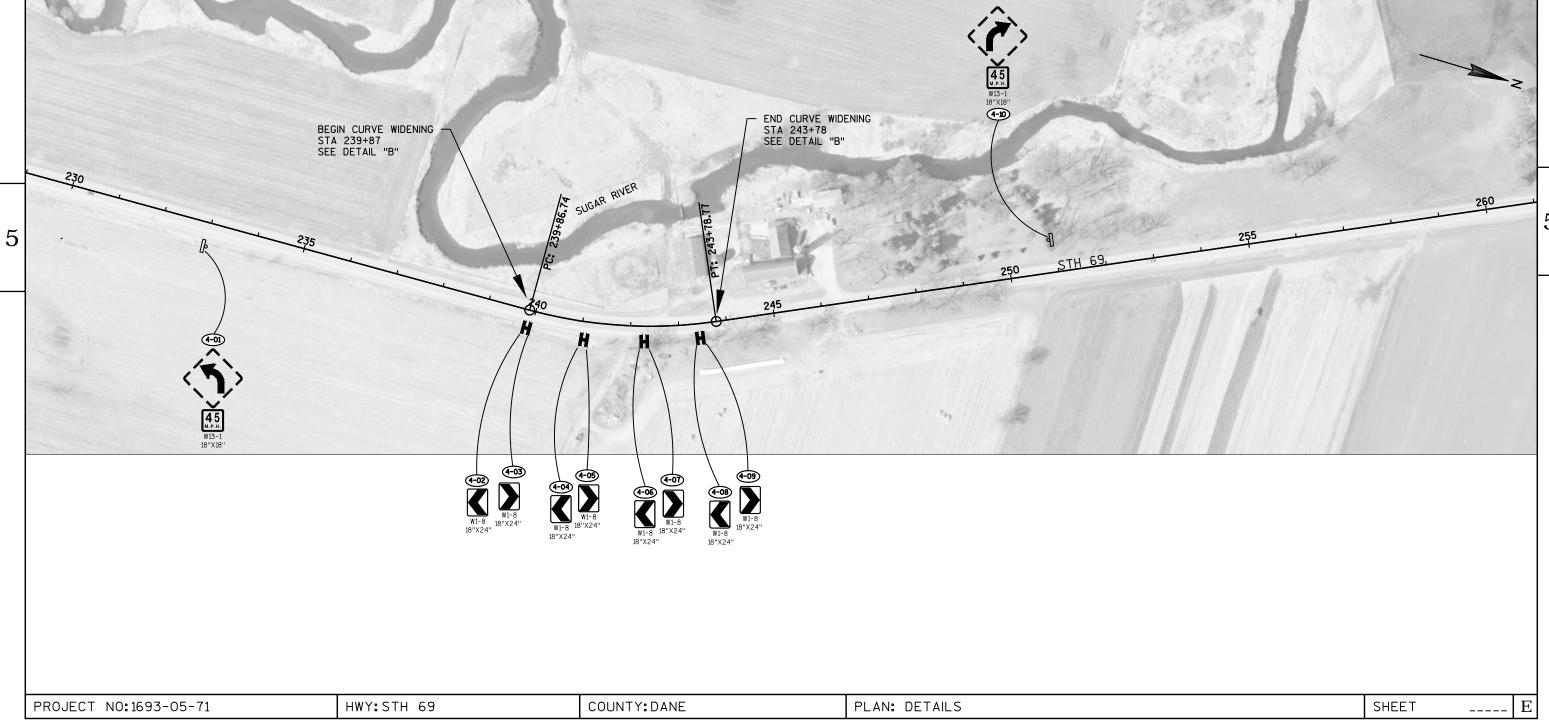
EXISTING SIGN

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EXISTING SIGN (MOUNTED ON POST)

TRAFFIC CONTROL NOTES

FOR MOVING OPERATION STA 25+40 TO STA 479+25 SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATION)".



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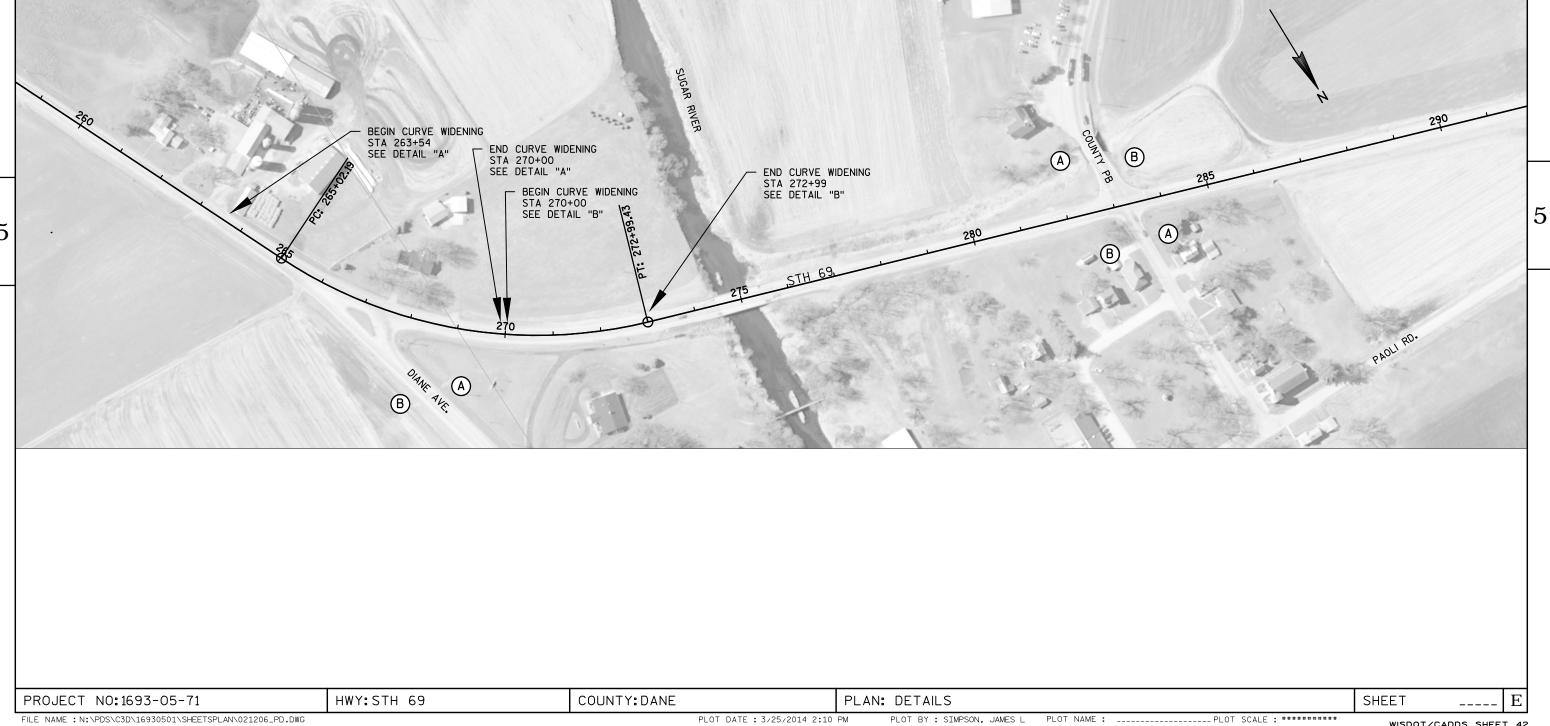
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SIGNS "A" AND "B" MUST BE LOCATED AT MAX 500' FROM STH 69 OR BEFORE NEXT INTERSECTION. WHICHEVER IS CLOSER.

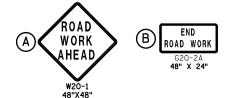
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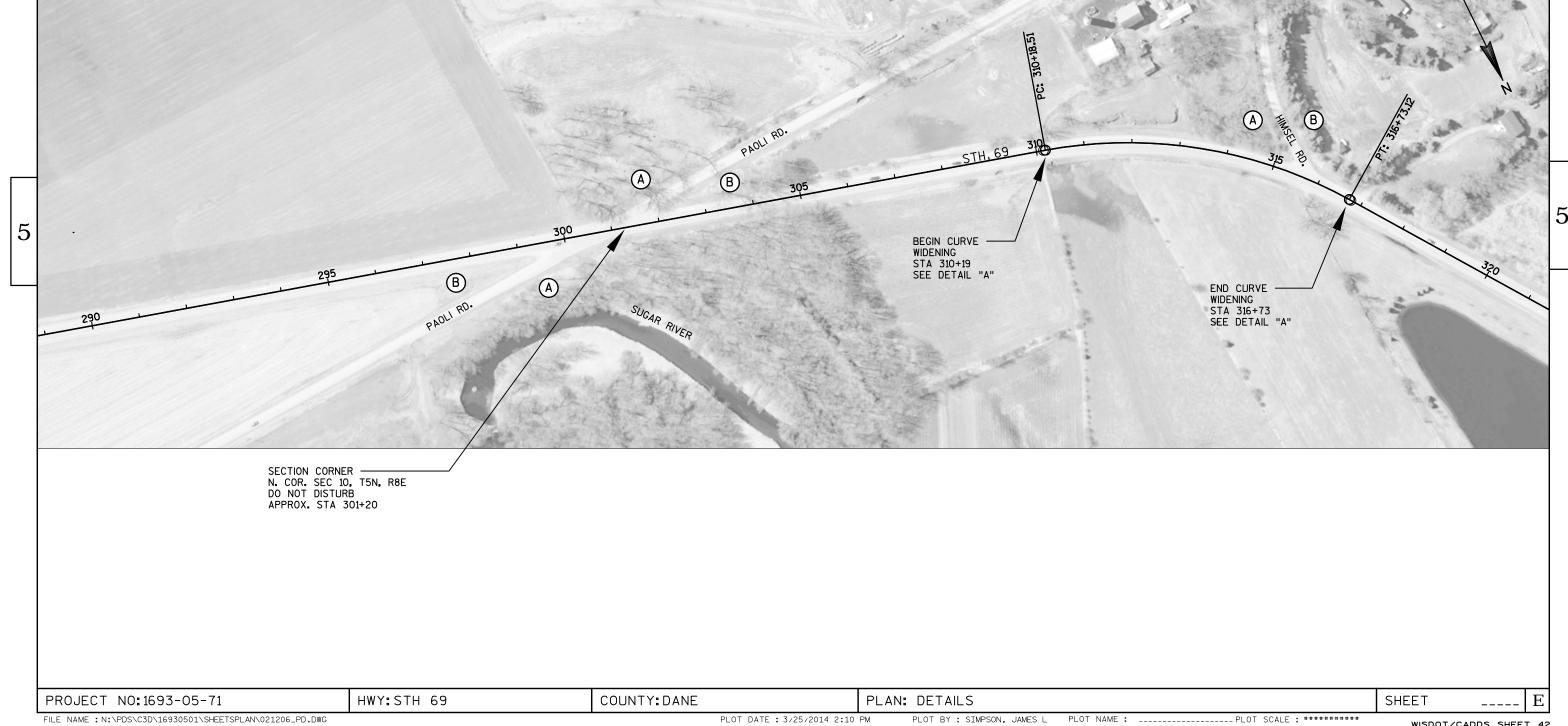
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FILE NAME : N:\PDS\C3D\16930501\SHEETSPLAN\021206\_PD.DWG

PLOT DATE: 3/25/2014 2:10 PM

PERMANENT SIGN LEGEND



DENOTES SIGN NUMBER



PROPOSED SIGN (MOUNTED ON POST)



PROPOSED SIGN

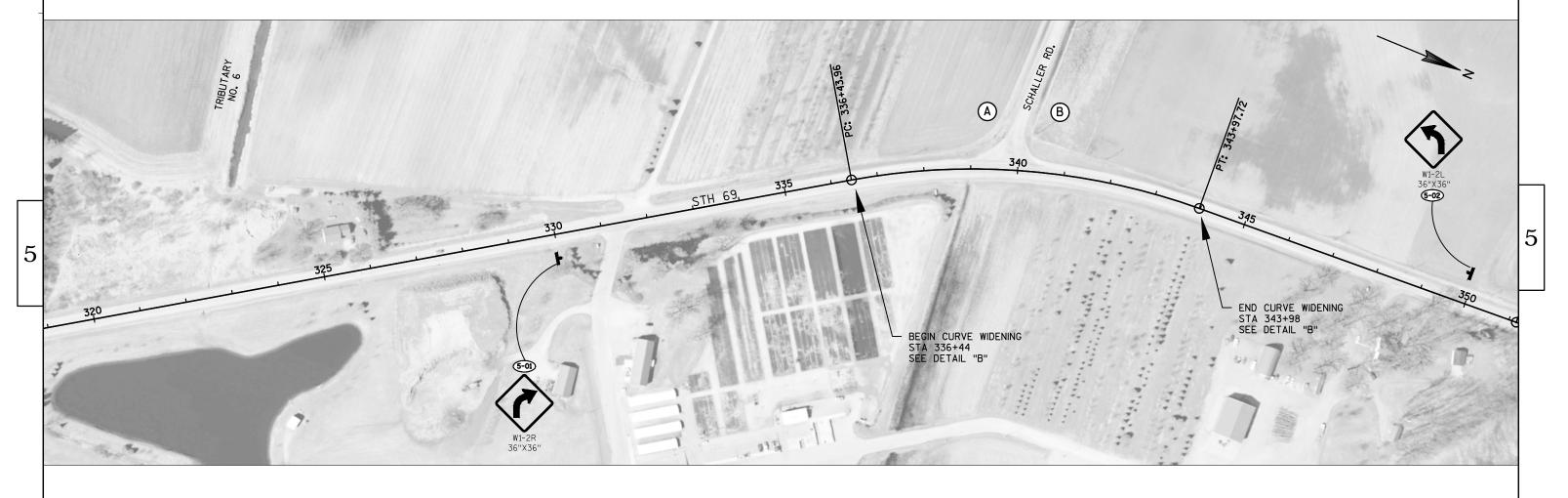


TRAFFIC CONTROL NOTES
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FOR MOVING OPERATION STA 25+40 TO STA 479+25 SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATION)".



PROJECT NO:1693-05-71

HWY:STH 69

COUNTY: DANE

PLAN: DETAILS

SHEET

FILE NAME : N:\PDS\C3D\16930501\SHEETSPLAN\021211\_PD.DWG

PLOT DATE: 3/20/2014 5:27 PM

#### PERMANENT SIGN LEGEND



DENOTES SIGN NUMBER



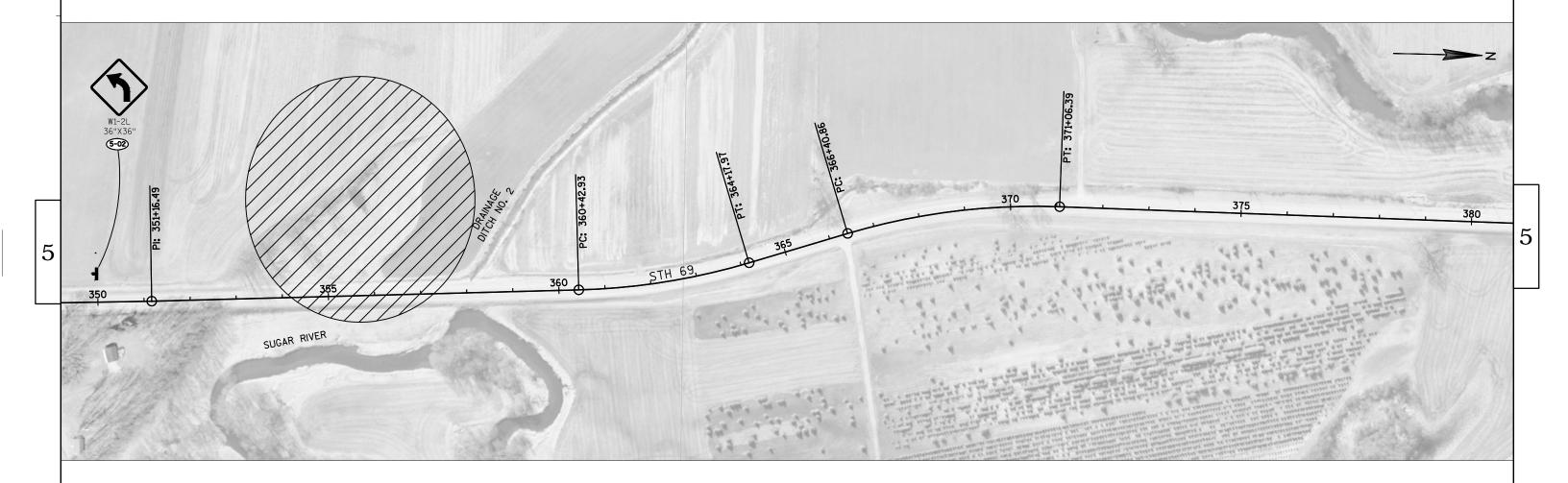
PROPOSED SIGN (MOUNTED ON POST)



PROPOSED SIGN

TRAFFIC CONTROL NOTES

FOR MOVING OPERATION STA 25+40 TO STA 479+25 SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATION)".



INDICATES ENVIRONMENTALLY SENSITIVE AREA

COUNTY: DANE PROJECT NO:1693-05-71 HWY:STH 69 PLAN: DETAILS SHEET



SIGNS "A" AND "B" MUST BE LOCATED AT MAX 500' FROM STH 69 OR BEFORE NEXT INTERSECTION. WHICHEVER IS CLOSER.

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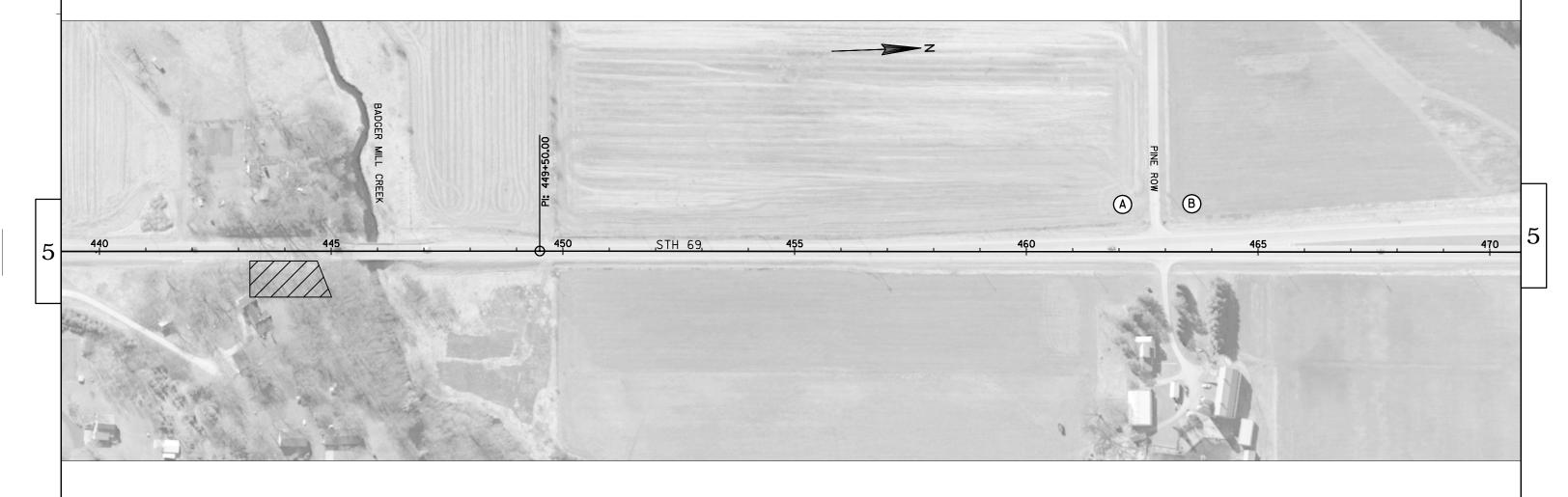




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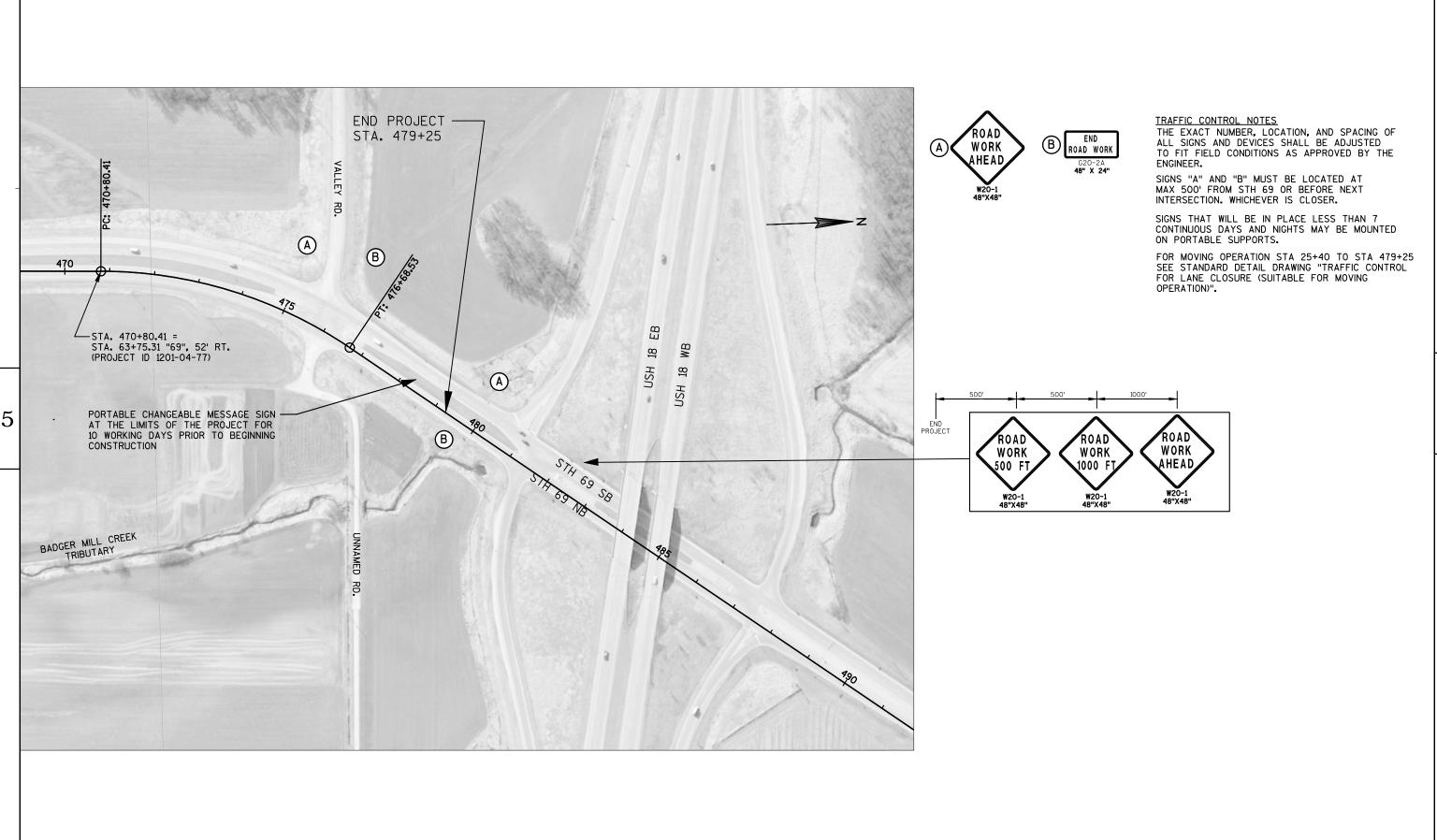
FOR MOVING OPERATION STA 25+40 TO STA 479+25 SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATION)".





COUNTY: DANE PLAN: DETAILS HWY:STH 69 PROJECT NO:1693-05-71 SHEET





FILE NAME : N:\PDS\C3D\16930501\SHEETSPLAN\021211\_PD.DWG

PROJECT NO:1693-05-71

HWY:STH 69

PLOT DATE: 3/20/2014 5:27 PM

COUNTY: DANE

PLAN: DETAILS

WISDOT/CADDS SHEET 42

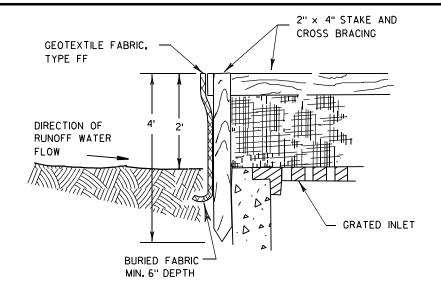
SHEET

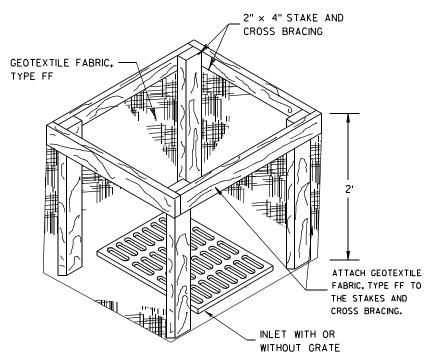
## Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
13A08-01	ASPHALTIC RUMBLE STRIPS AT INTERSECTION
14B29-01	SAFETY EDGE
15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C06-06	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-02C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C21-05	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-02	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

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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

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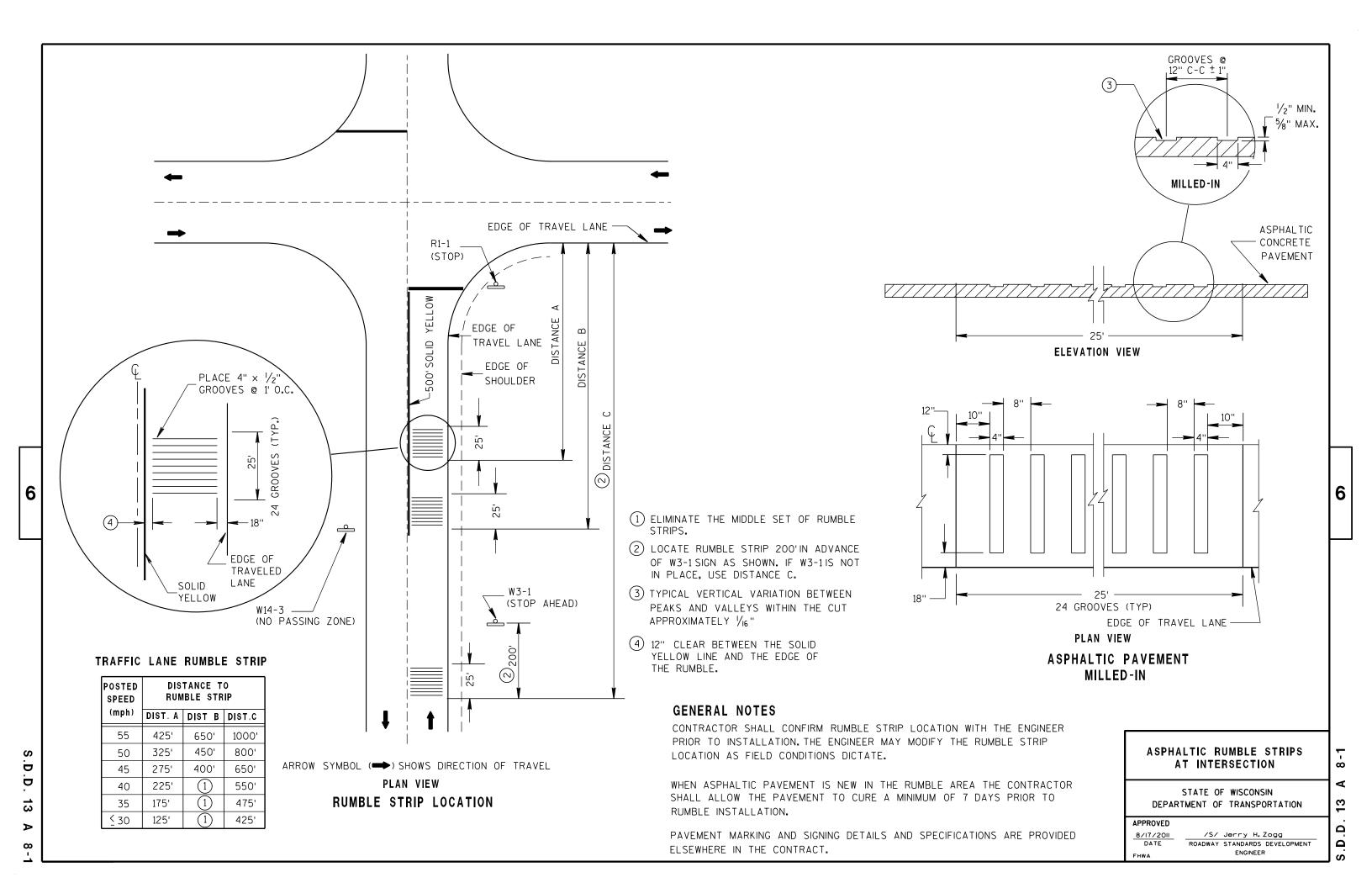
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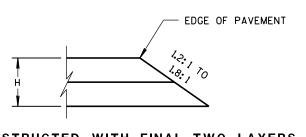
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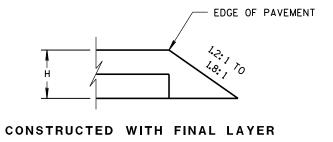
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

ΔPF	PRO	VED	

/S/ Beth Cannestra 10/16/02 CHIEF ROADWAY DEVELOPMENT ENGINEER



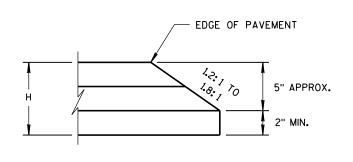


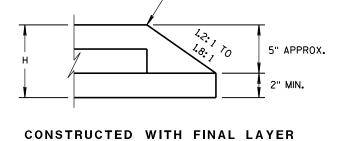


FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS





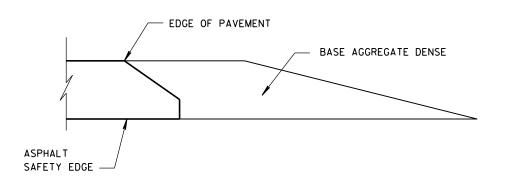
FOR H GREATER THAN 5"

EDGE OF PAVEMENT

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

#### TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

#### **GENERAL NOTES**

6

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D

15

C

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

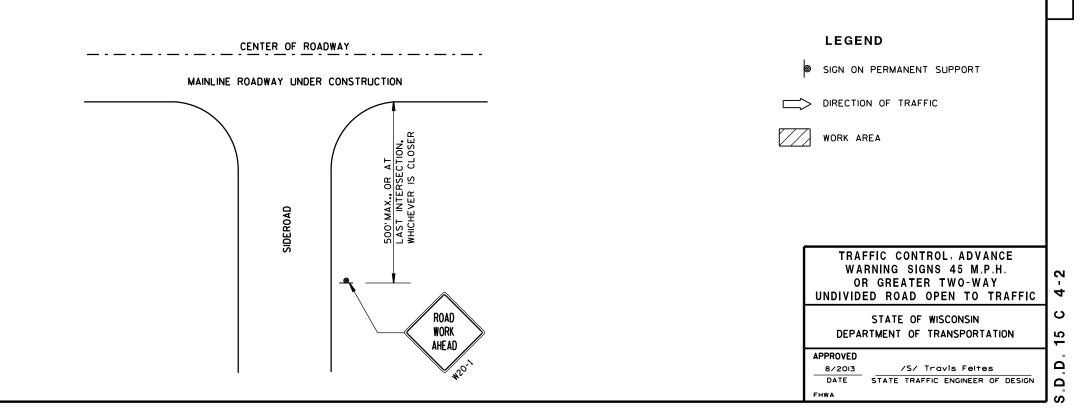
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" 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.



6

### **GENERAL NOTES**

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

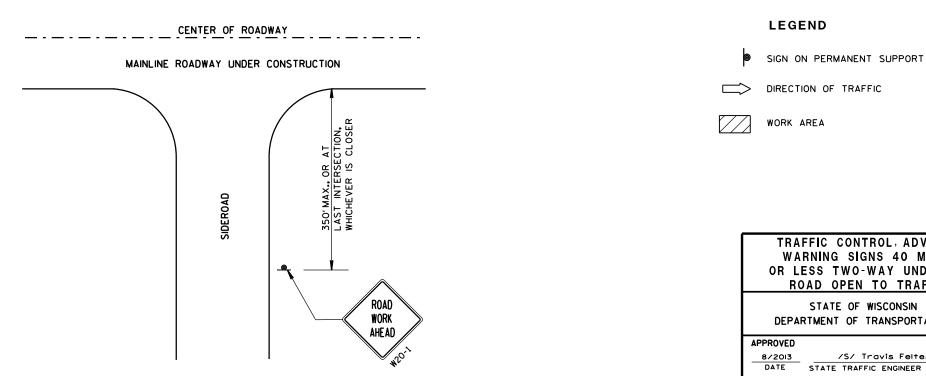
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48"

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.

\* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

6

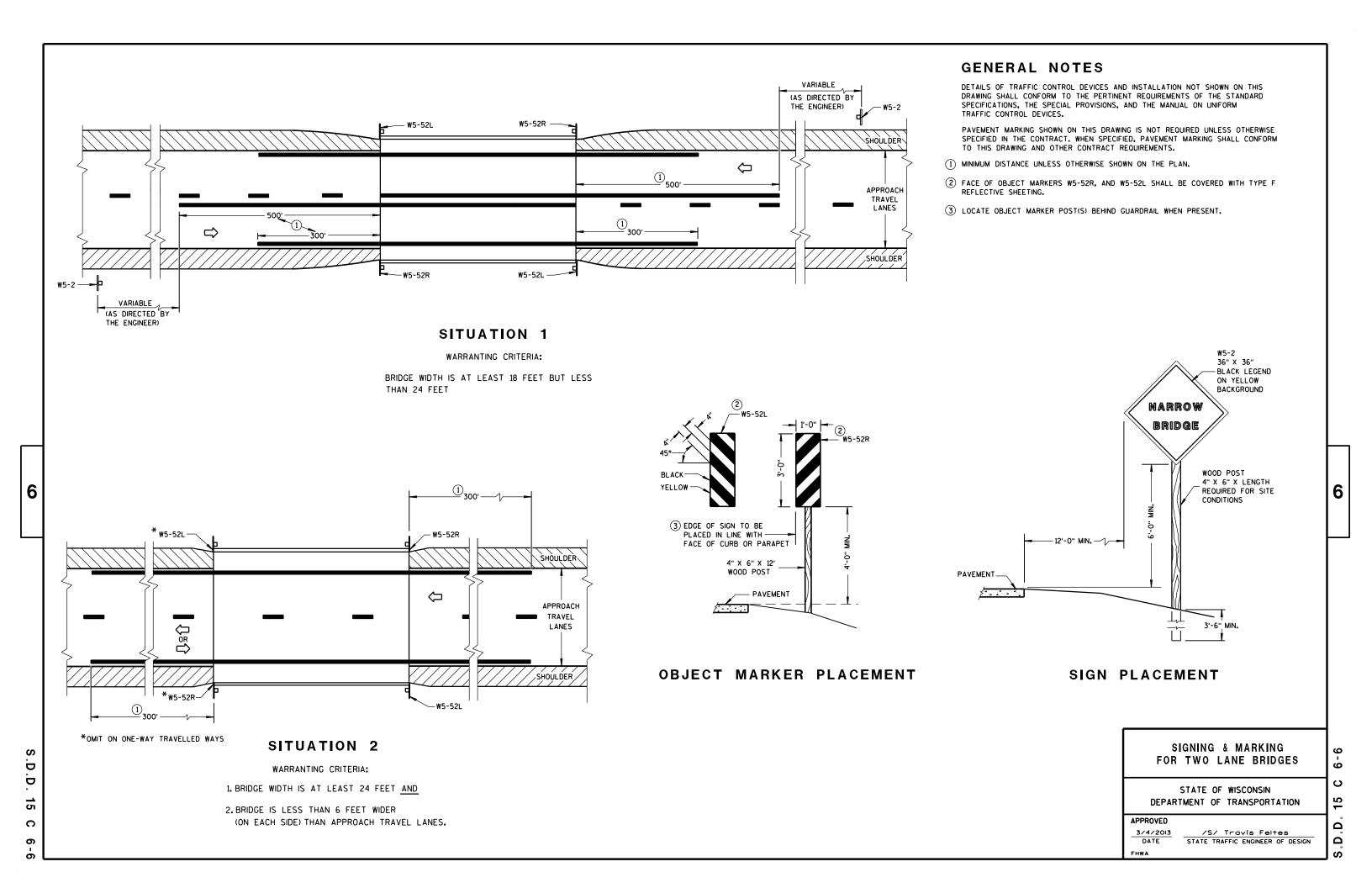
2

Ω

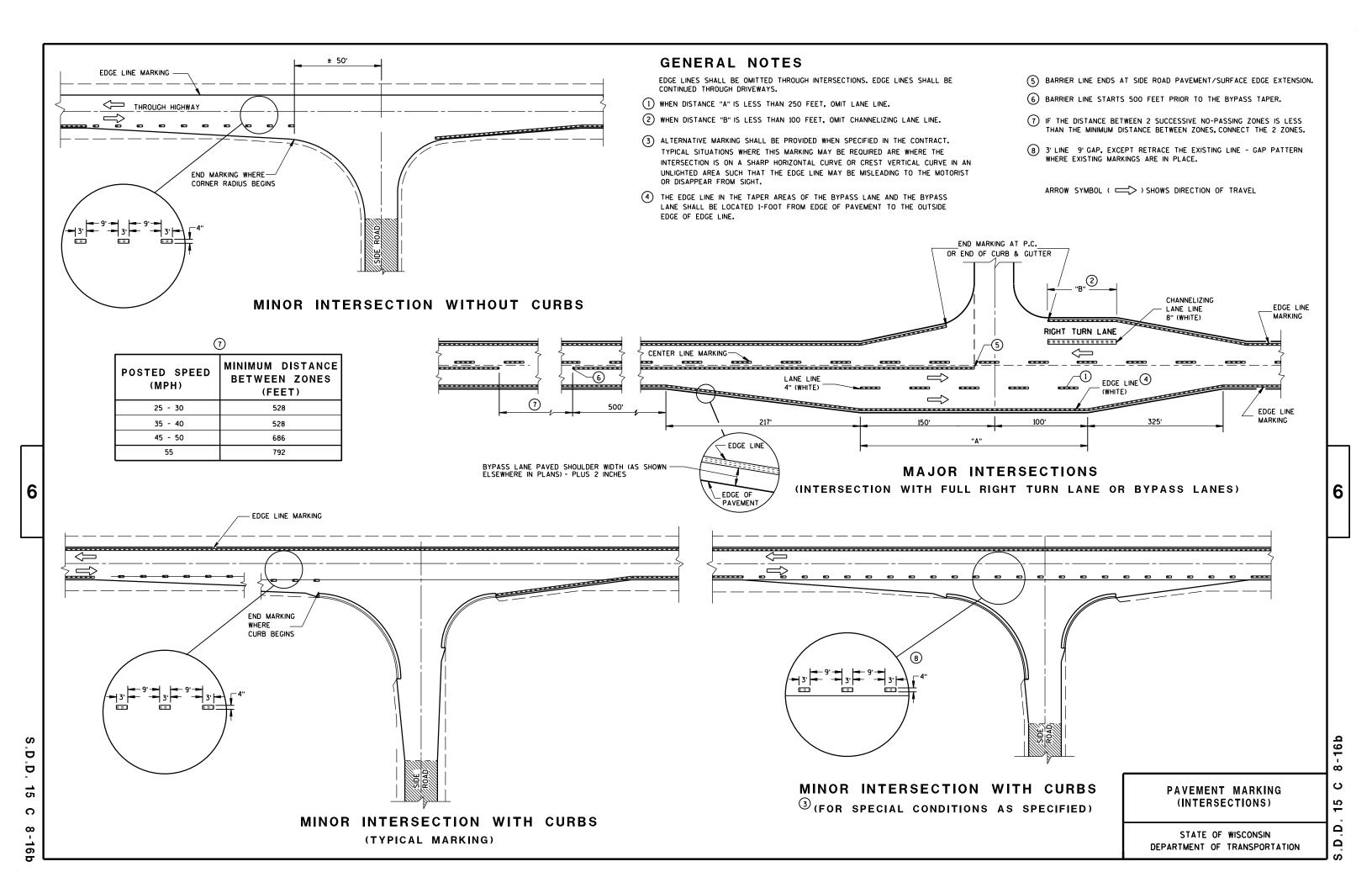
Ω

6

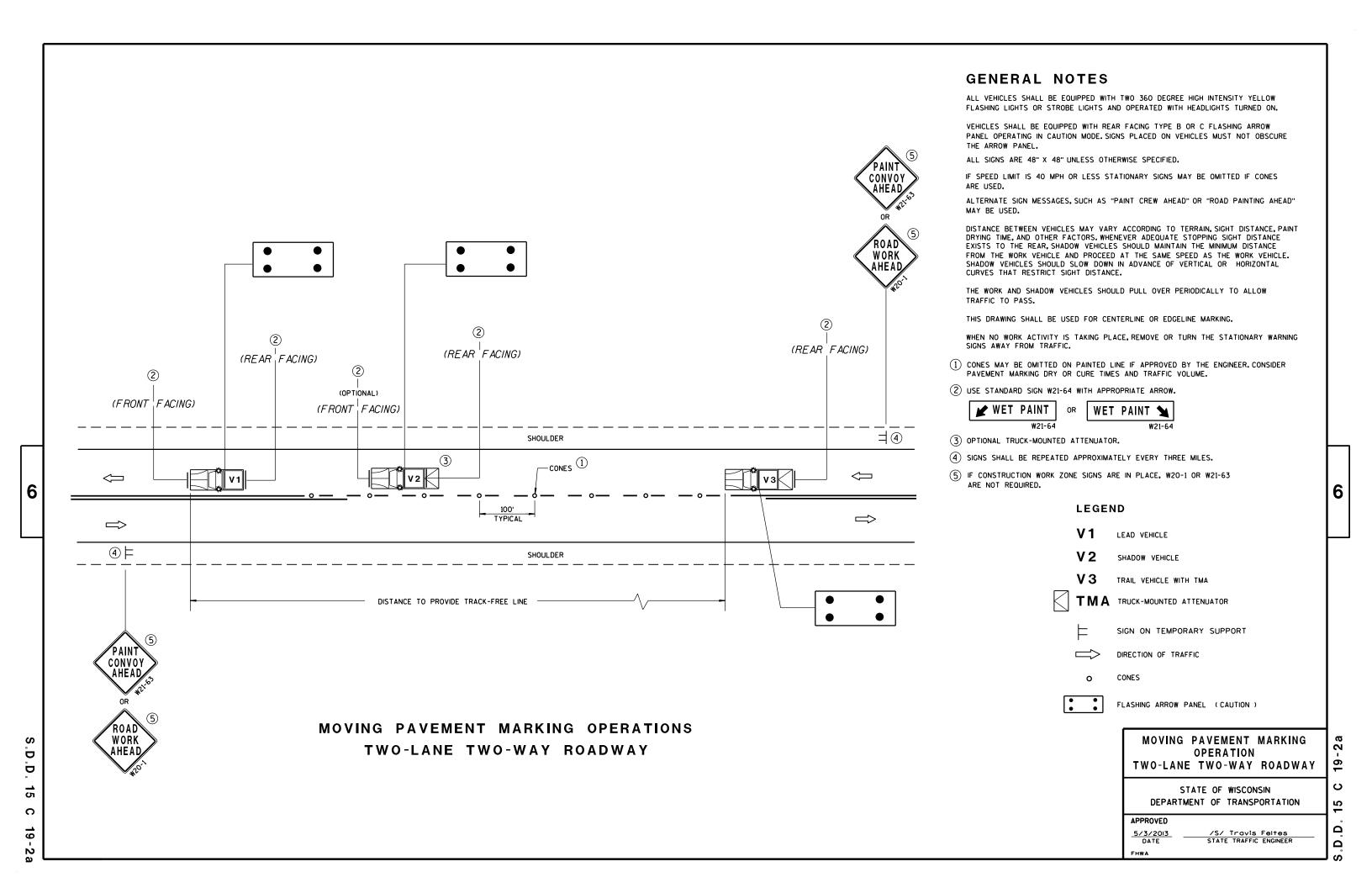
D Ö 15 C

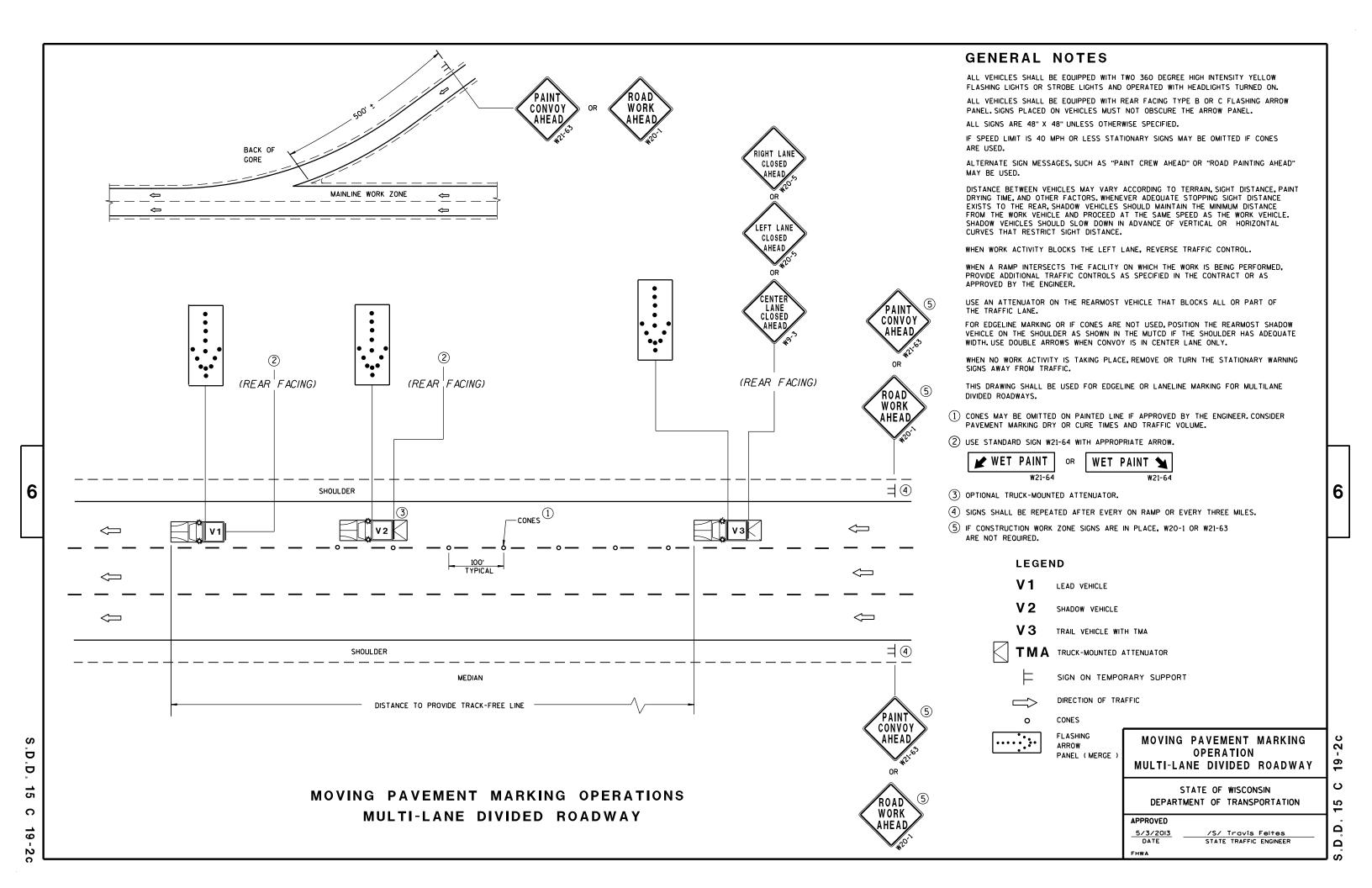


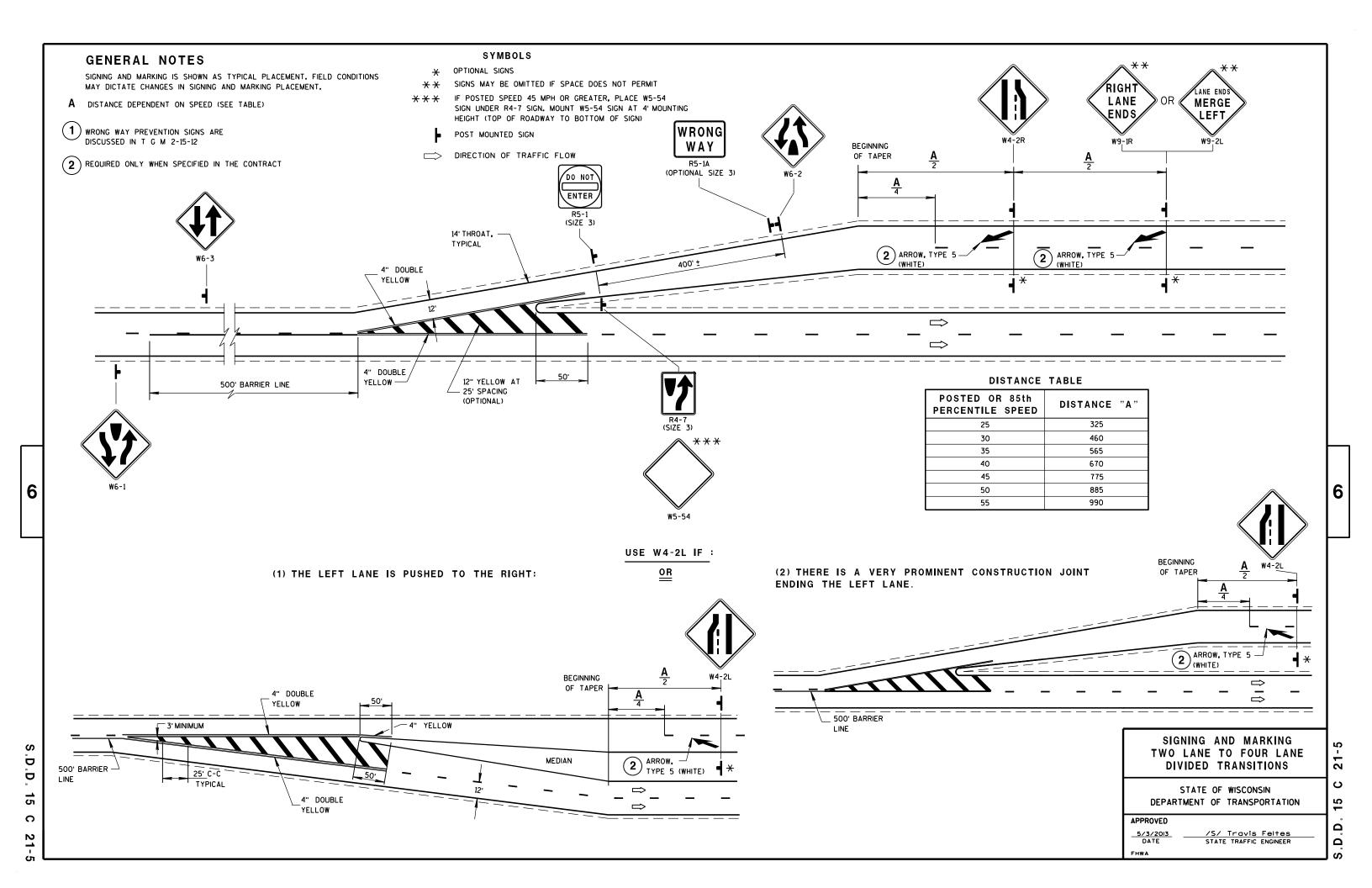


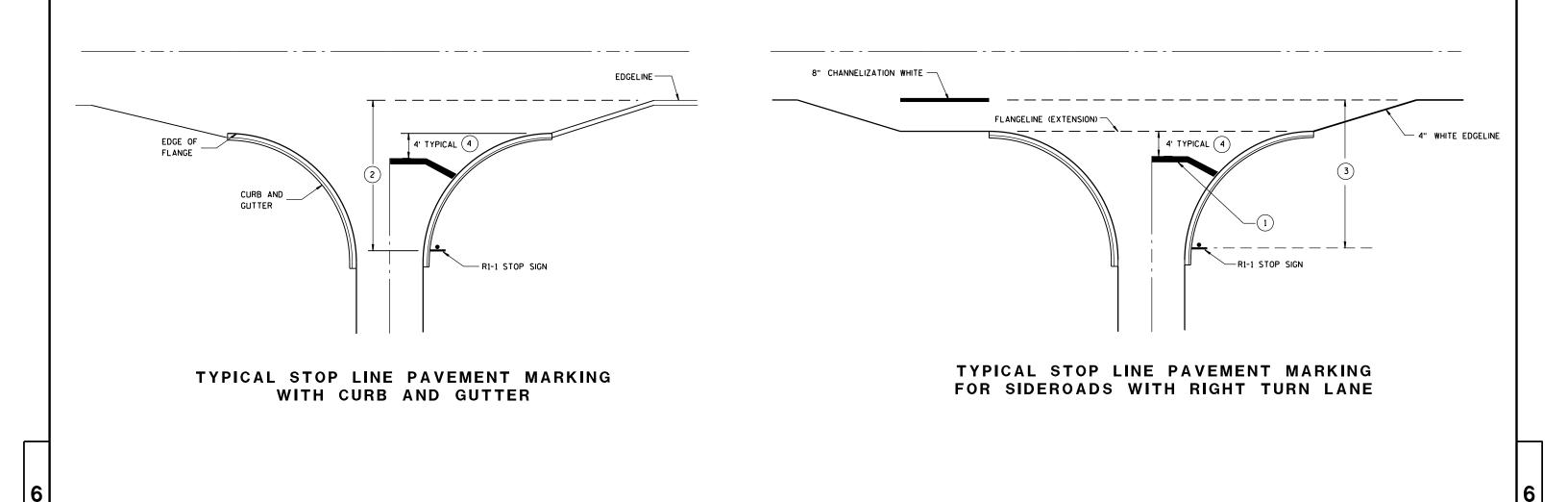


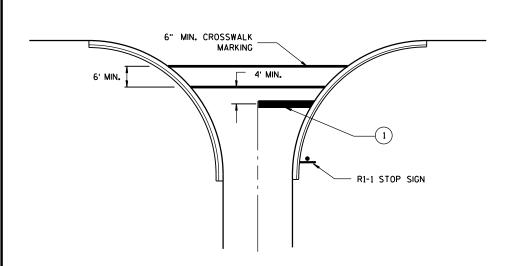




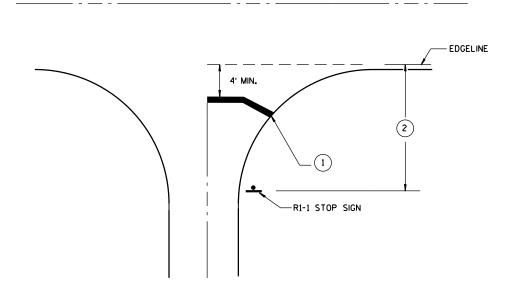








TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



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

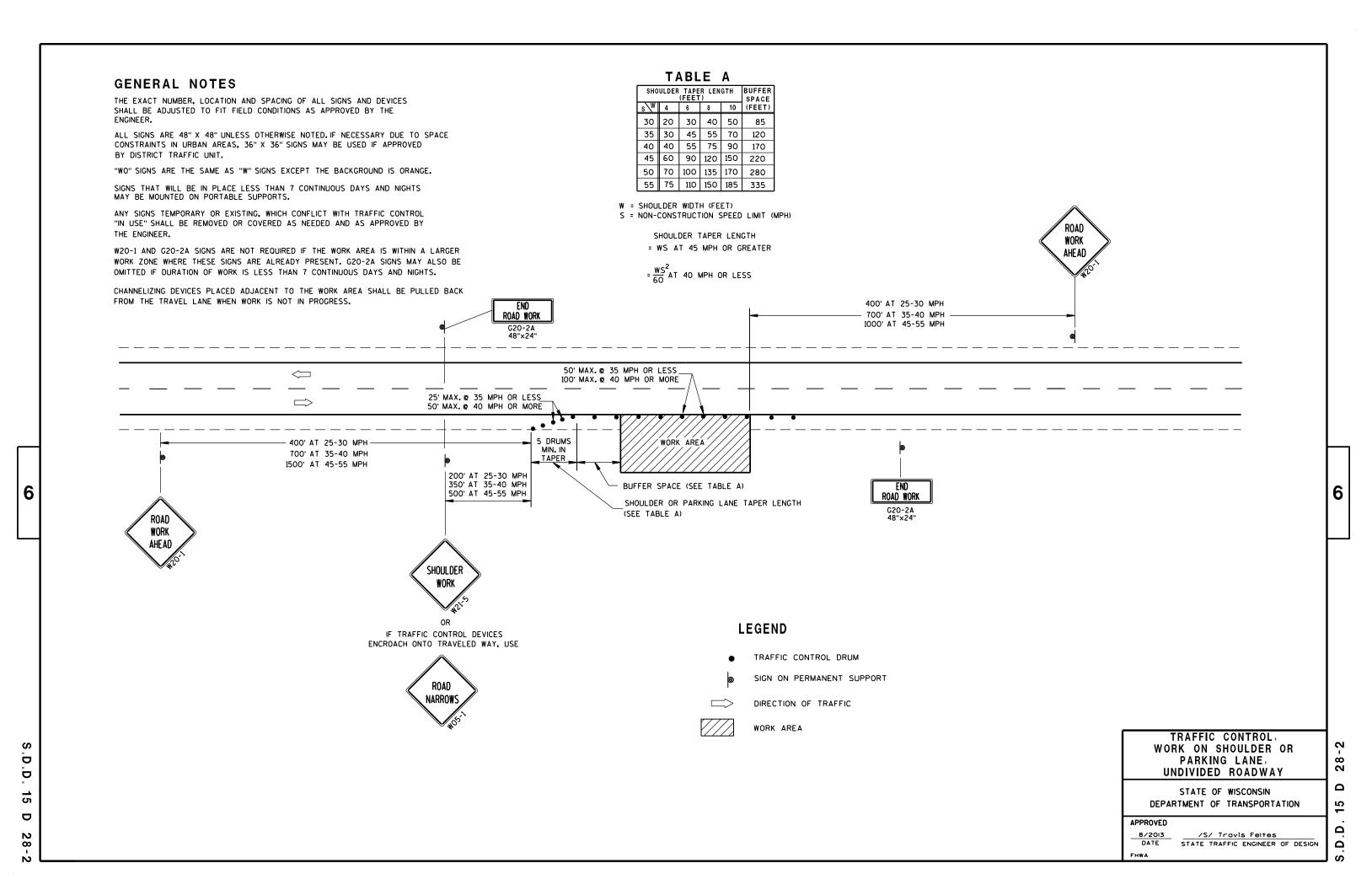
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

.D.D. 15 C 33-1

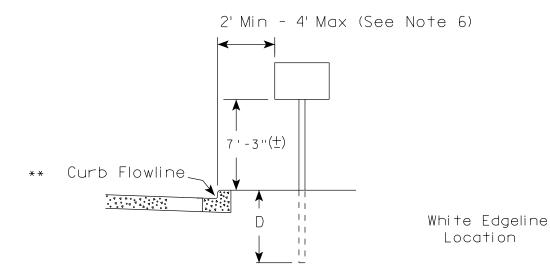
S.D.D.

33

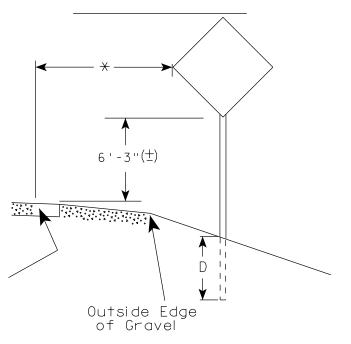




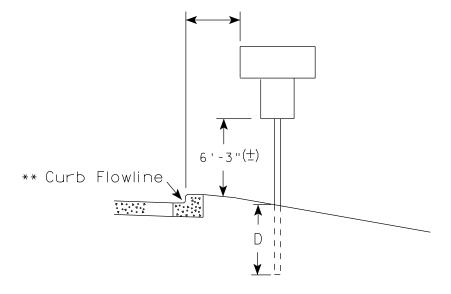
# urban area



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"  $(\pm)$ .
- 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

PROJECT NO:



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



## **ELEVATION VIEW**

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



#### PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

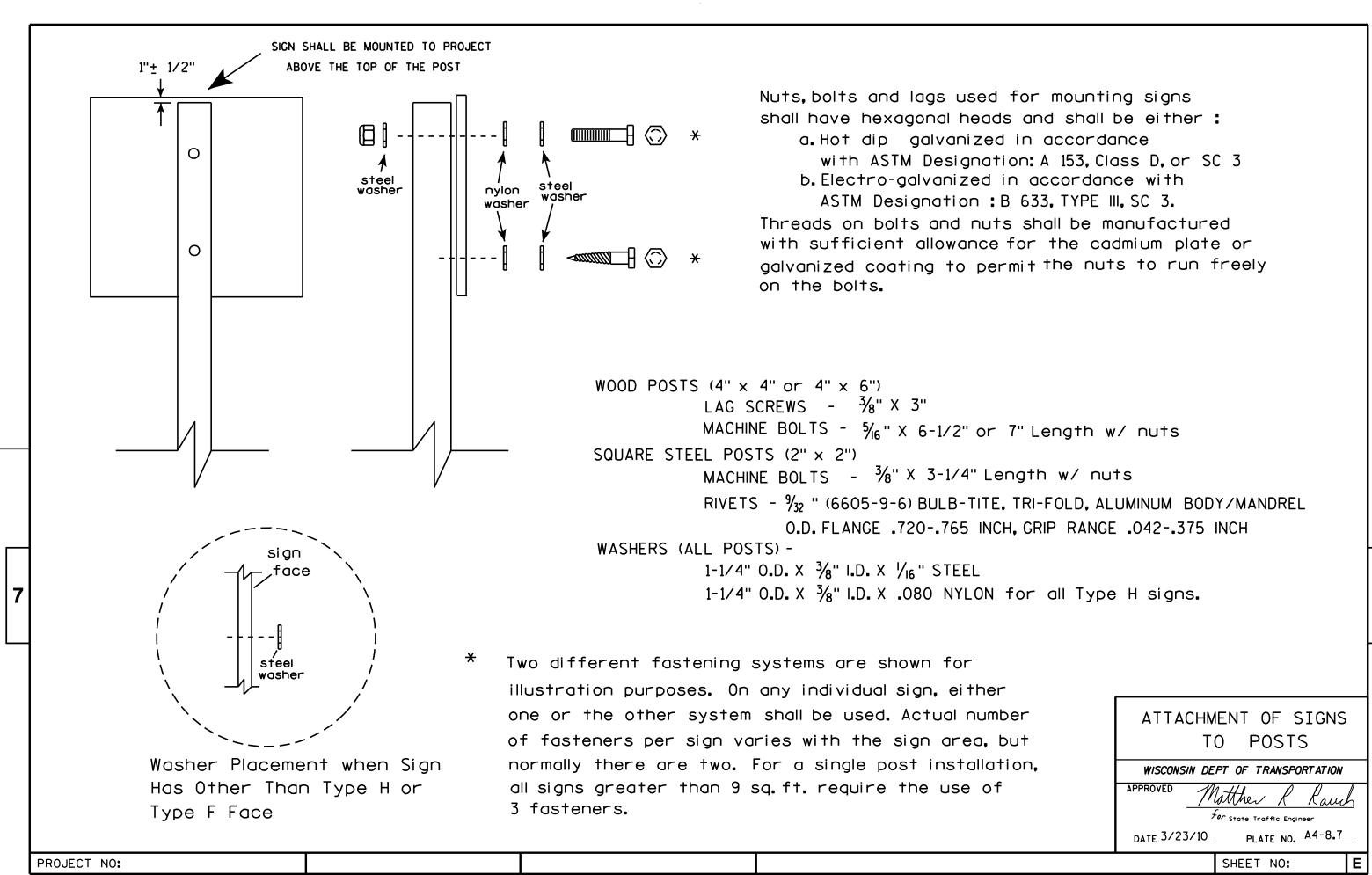
PLOT NAME :

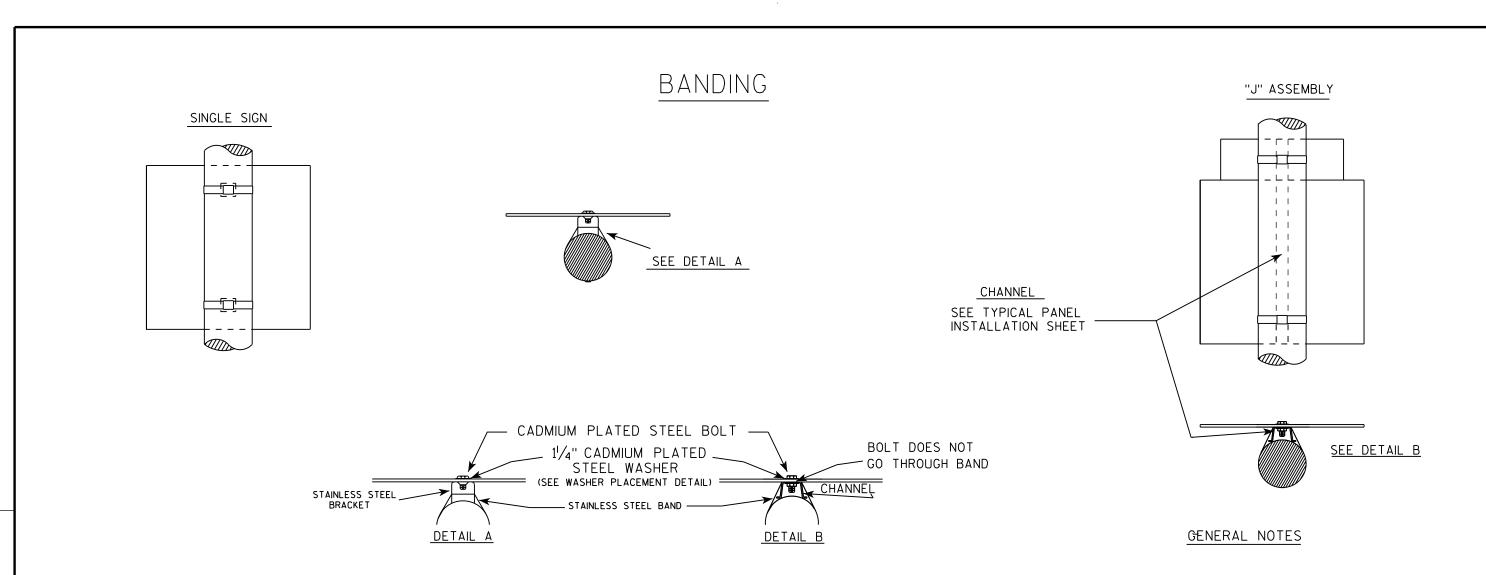
PLOT BY: mscsja

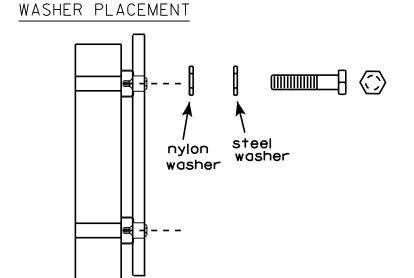
PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42







HWY:

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

PLOT BY: mscsja

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 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.

STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 8/16/13

SHEET NO:

State Traffic Engineer

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

PROJECT NO:

PLOT DATE: 16-AUG-2013 13:27

PLOT NAME :

PLOT SCALE: 33.740899:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. A5-9.3

# **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. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

A P N N S N N S N N N N N N N N N N N N N
A1_1L/

SIZE	Α	В	С	D	Е	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		3	3 1/2	7 3/4	5	2 1/2	<b>7</b> ⁄8	4	1/2	7	9 1/2		5/8	3 1/4								4.0
1 2S	36		1 %	5/8	3/4		4 1/2	5 1/4	11 %	7 1/2	3 %	1 1/4	6	3/4	10 1/2	14 1/4		1	4 %								9.0
2M 3	36		1 %	5/8	₹4		4 1/2	5 1/4	11 %	7 1/2	3 %	1 1/4	6	3/4	10 1/2	14 1/4		1	4 1/8								9.0
3	36		1 %	5/8	3/4		4 1/2	5 1/4	11 %	7 1/2	3 %	1 1/4	6	3/4	10 1/2	14 1/4		1	4 1/8								9.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 1/8	1 %	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 1/8	1 %	8	1	14	19		1 1/4	6 1/2		·						16.0

COUNTY:

STANDARD SIGN W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthe

For State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-1.11

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W11.DGN

PROJECT NO:

HWY:

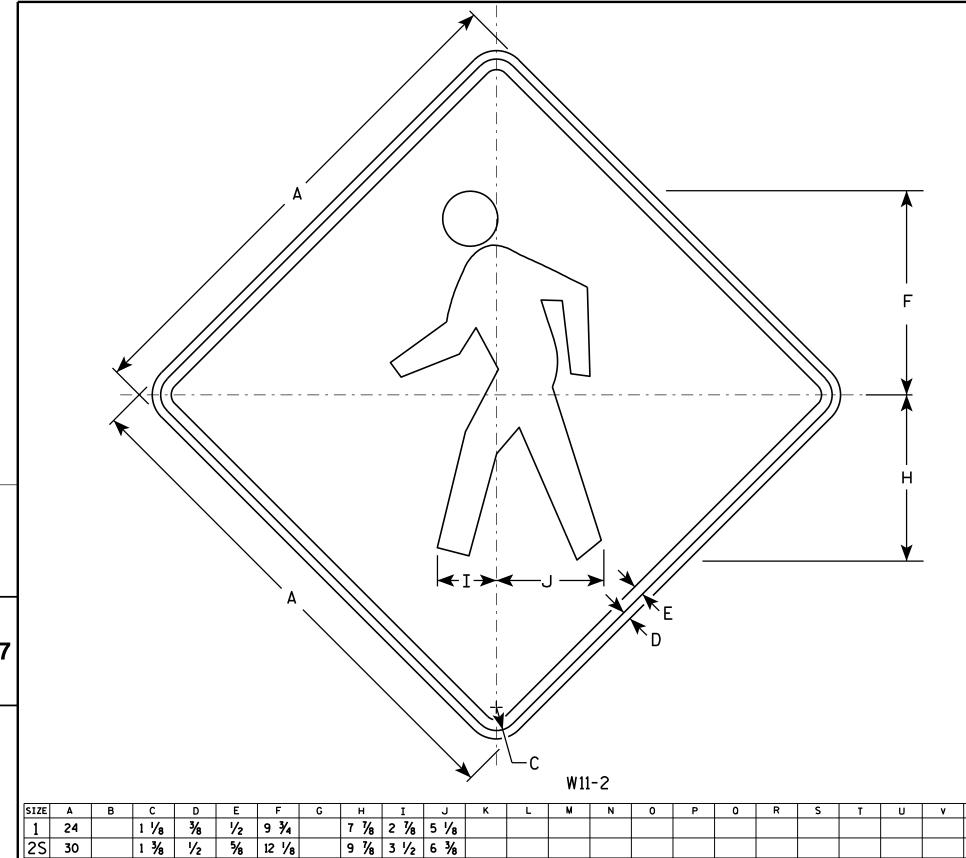
PLOT DATE: 15-MAY-2012 13:47

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 7.939035:1.000000

WISDOT/CADDS SHEET 42



# <u>NOTES</u>

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

Background - Yellow Message - Black

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

STANDARD SIGN W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

4.0

6.25

9.0

9.0

16.0

PLOT NAME :

For State Traffic Engineer

DATE <u>6/7/10</u>

PLATE NO. W11-2.7

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W112.DGN

1 1/8

1 %

2 1/4 3/4

2M

3

4 48

5

PROJECT NO:

5/8

5/8

3/4

14 1/2

3/4 14 1/2

1 19 3/8

11 1/8 4 1/4 7 5/8

11 1/8 4 1/4 7 5/8

15 3/4 5 5/8 10 1/4

HWY:

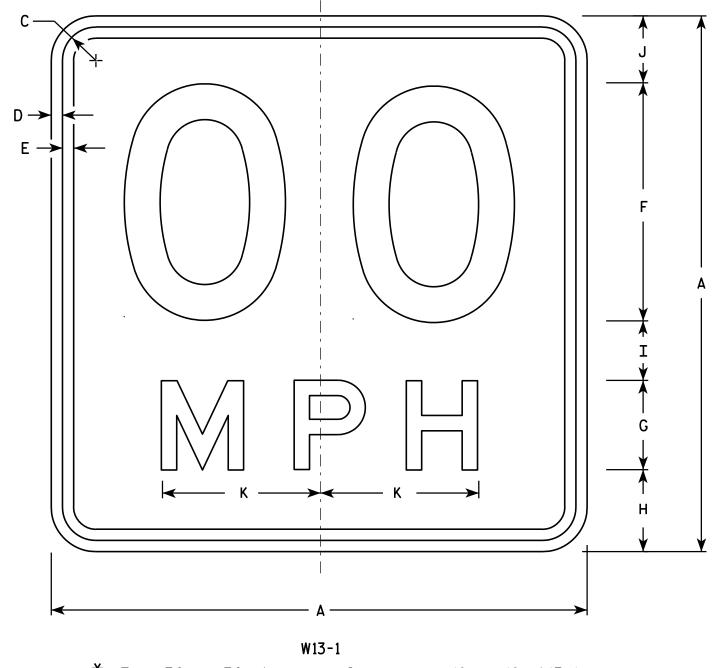
PLOT DATE: 07-JUN-2010 13:29

COUNTY:

PLOT BY : ditjph

PLOT SCALE: 5.700818:1.000000

00818:1.000000 WISDOT/CADDS SHEET 42



# 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 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. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
- 6. Line 1 is Series D Line 2 is Series E

\* For 30"  $\times$  30" Warning Signs, use 18"  $\times$  18" W13-1 signs. For 36"  $\times$  36" Warning Signs, use 24"  $\times$  24" W13-1 signs.

	SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	P	0	R	S	T	U	٧	W	X	Y	Z	Areg sq. ft.
	1	18		1 1/8	3∕8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
<b>  *</b> [	25	18		1 1/8	3⁄8	3/8	8	3	2 3/4	2	2 1/4	5																2.25
<b> </b> *[	2M	18		1 1/8	3/8	3%	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3∕8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 %	5/8	3/4	16	6	5 ½	4	4 1/2	10 %																9.00
	5	36		1 %	5/8	3/4	16	6	5 ½	4	4 1/2	10 %																9.00
				1 ,0		1 ' '	I	l		l									l			ı	l	1		l .	l	

COUNTY:

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R R

For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

SHEET NO:

HWY:

PROJECT NO:

PLOT NAME :

# 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. 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. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

E-
W16-7L

2M 3 4	30 30	18	3/8 3/8	1/2	1 1/8	4 1/2	30° 30°	8 1/2	6	5/8 5/8	10 1/4									3.75 3.75 8
5 PRO	JECT	NO:					НW	Y:				COUN	TY:							8

STANDARD SIGN W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Ray

For State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W167.DGN

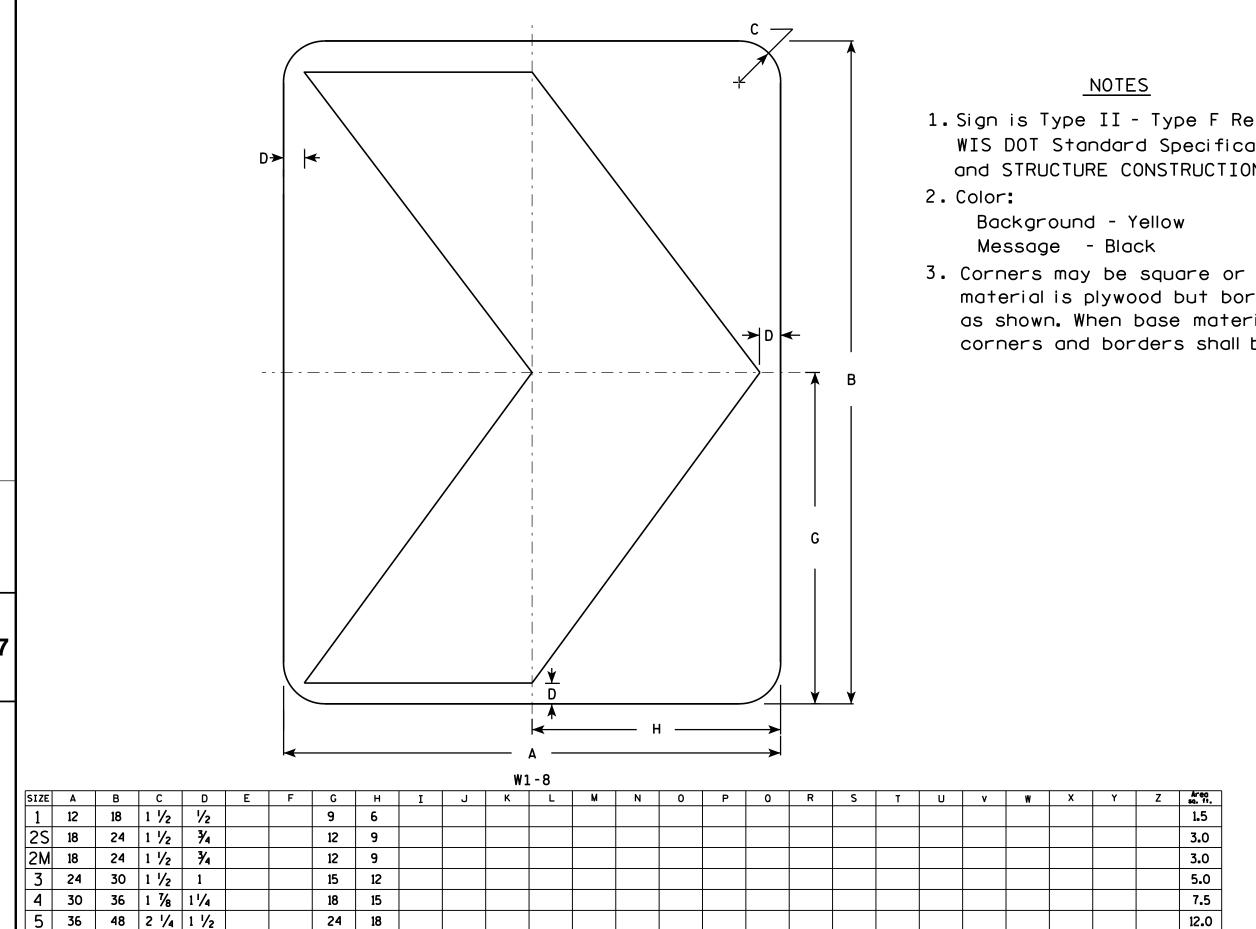
PLOT DATE: 02-NOV-2010 09:34

PLOT BY: dotsja

PLOT NAME :

PLOT SCALE: 3.972696:1.000000

WISDOT/CADDS SHEET 42



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

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.

> STANDARD SIGN W1 - 8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer PLATE NO. W1-8.6

DATE 6/7/10

SHEET NO:

PROJECT NO:

Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov