000-20-83

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MAD FEBRUARY 2024

ORDER OF SHEETS

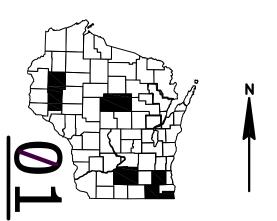
Section No. 1 Section No. 2 Typical Sections and Details Section No. 3 Estimate of Quantities

Section No. 3 Miscellaneous Quantities Right of Way Plat

Plan and Profile Standard Detail Drawings Section No. 6

Section No. 7 Sign Plates Structure Plans

TOTAL SHEETS = 140



DESIGN DESIGNATION

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

DESIGN SPEED **ESALS**

CONVENTIONAL SYMBOLS

PLAN CORPORATE LIMITS PROPERTY LINE LOT LINE LIMITED HIGHWAY EASEMENT

EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT

REFERENCE LINE EXISTING CULVERT PROPOSED CULVERT

COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA

SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC GAS SANITARY SEWER STORM SEWER TELEPHONE UTILITY PEDESTAL POWER POLE TELEPHONE POLE

PROFILE GRADE LINE

ORIGINAL GROUND

MARSH OR ROCK PROFILE

(To be noted as such)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATEWIDE TYPE I **SIGN REPLACEMENT**

LOCATIONS ON STN PER ANNUAL PLAN VAR HWY

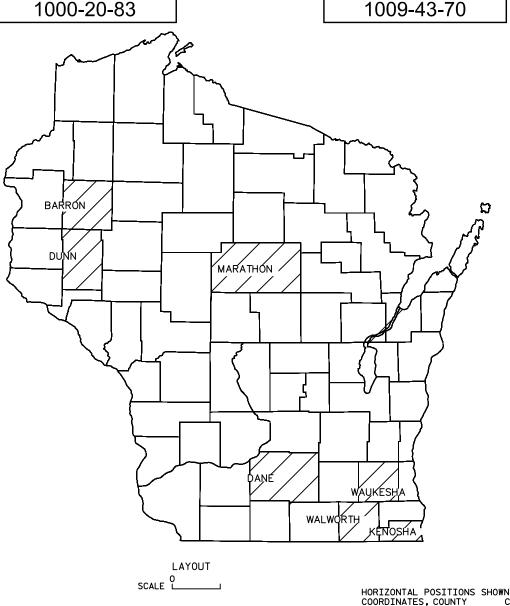
STATEWIDE

STATE PROJECT NUMBER

C WAUSAU TYPE I/ II SIGN REPLACEMENT

LOCATIONS ON STN PER ANNUAL PLAN USH 51 & STH 29 MARATHON

> STATE PROJECT NUMBER 1009-43-70



HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, COUNTY 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.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT

CONTRACT

PROJECT

STATE PROJECT

1000-20-83

1009-43-70

PREPARED BY Surveyor JEANNIE SILVER Designer Project Manage Regional Examiner Regional Supervisor

TOTAL NET LENGTH OF CENTERLINE =

GENERAL NOTES

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



Ryan A. Mayer, P.E. State Signing Engineer WisDOT Bureau of Traffic Operations Central Office Sign Shop 3609 Pierstorff St Madison, WI 53704 Desk - (608) 246-3810 Cell - (608) 235-6941 ryan.mayer@dot.wi.gov

Jeannie Silver, P.E. State Marking Engineer Wisconsin DOT Bureau of Traffic Operations 3609 Pierstorff St. Madison, WI 53704 (608) 246-5408 jeannie.silver@dot.wi.gov

PROJECT NO:1000-20-83

HWY: VARIOUS

COUNTY: VARIOUS

GENERAL NOTES

PLOT BY : CLARK, CLYDE J

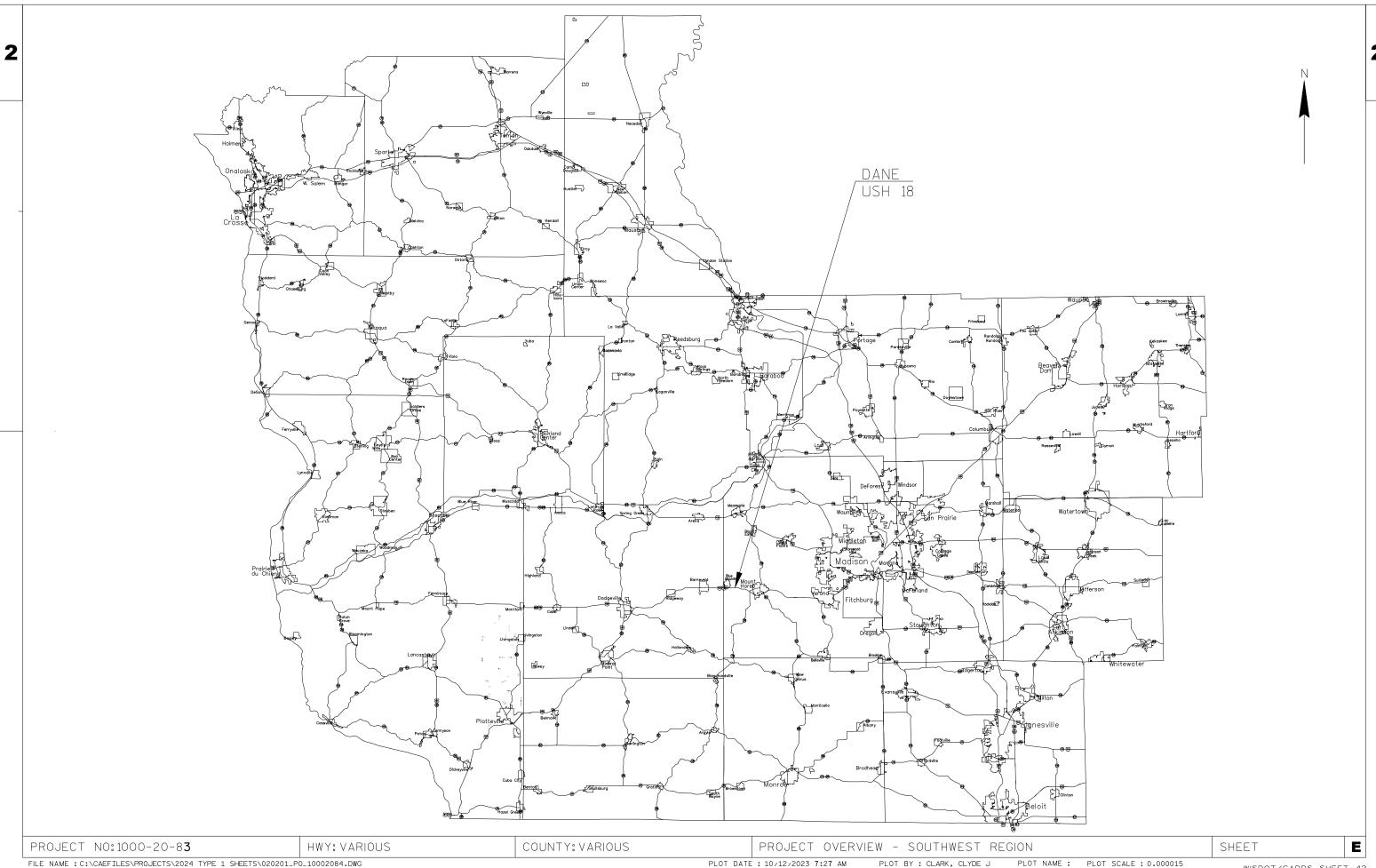
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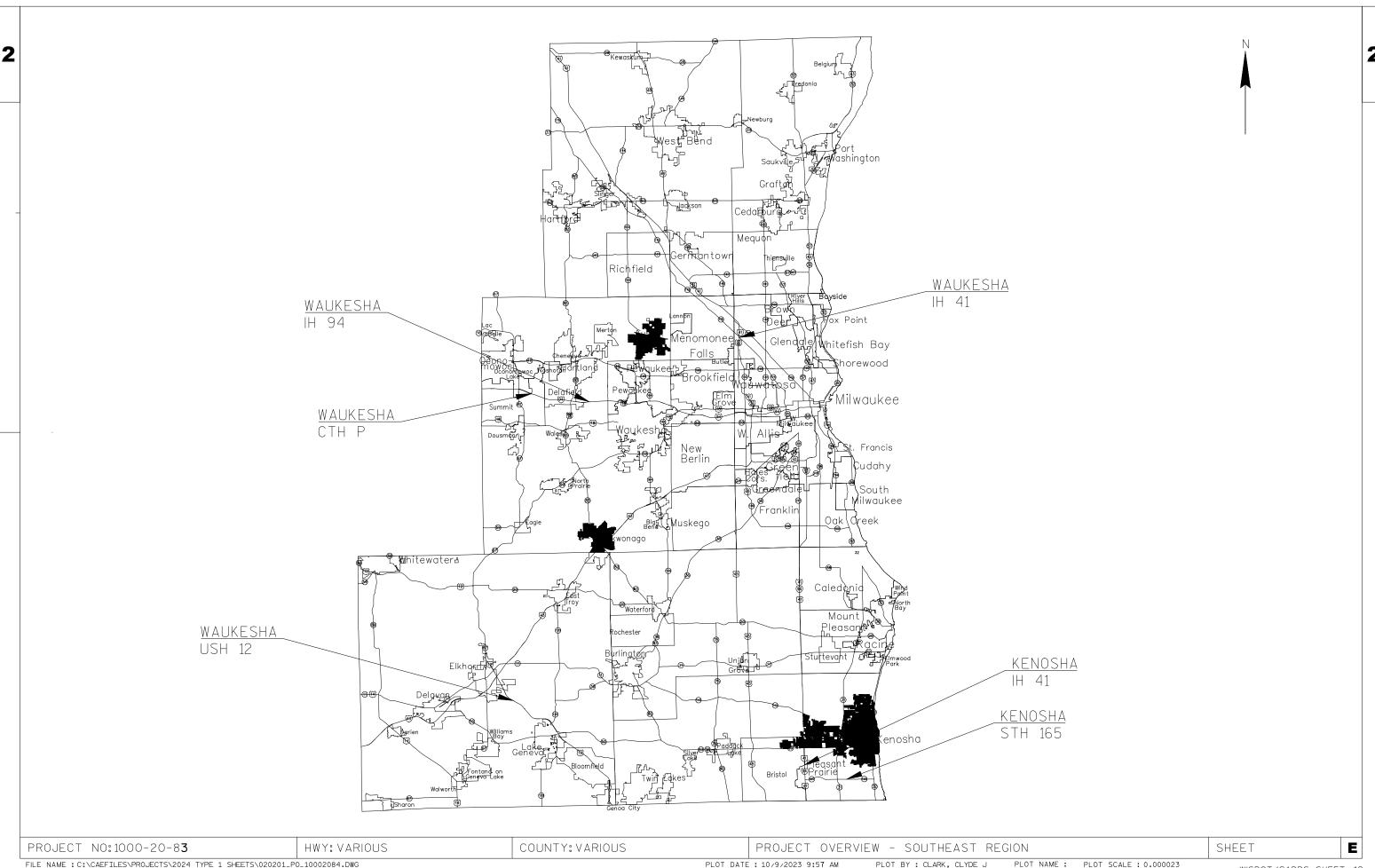
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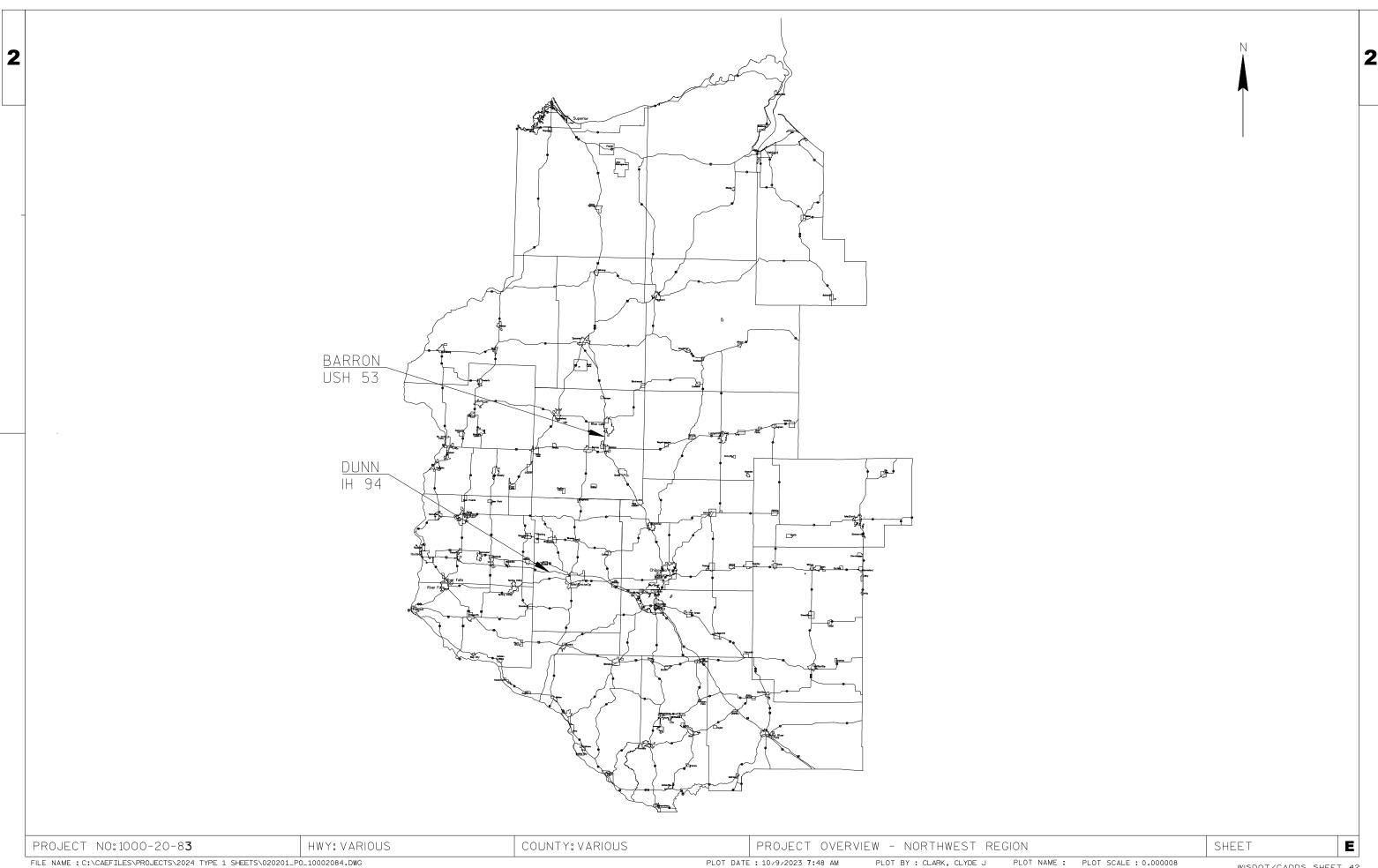
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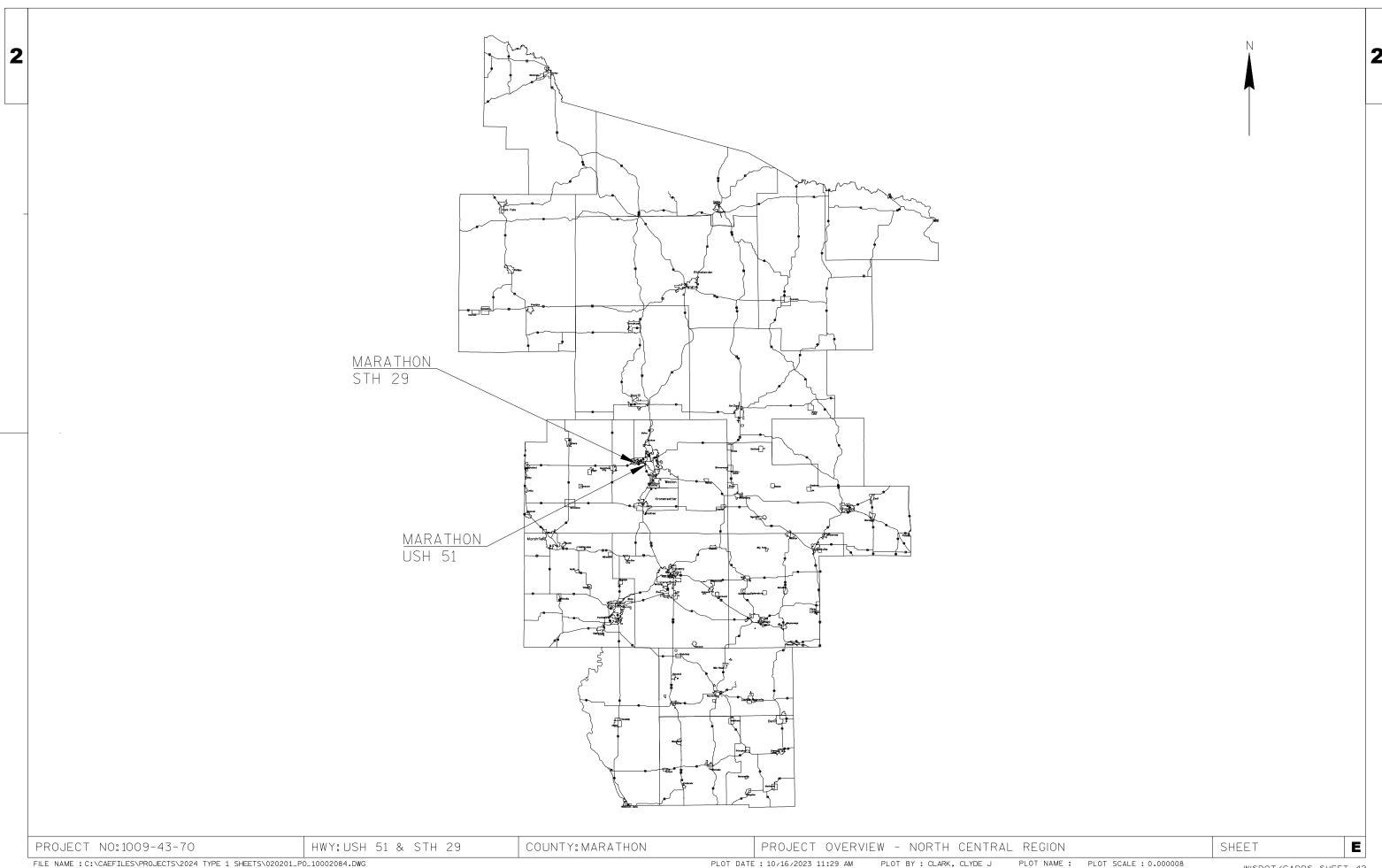
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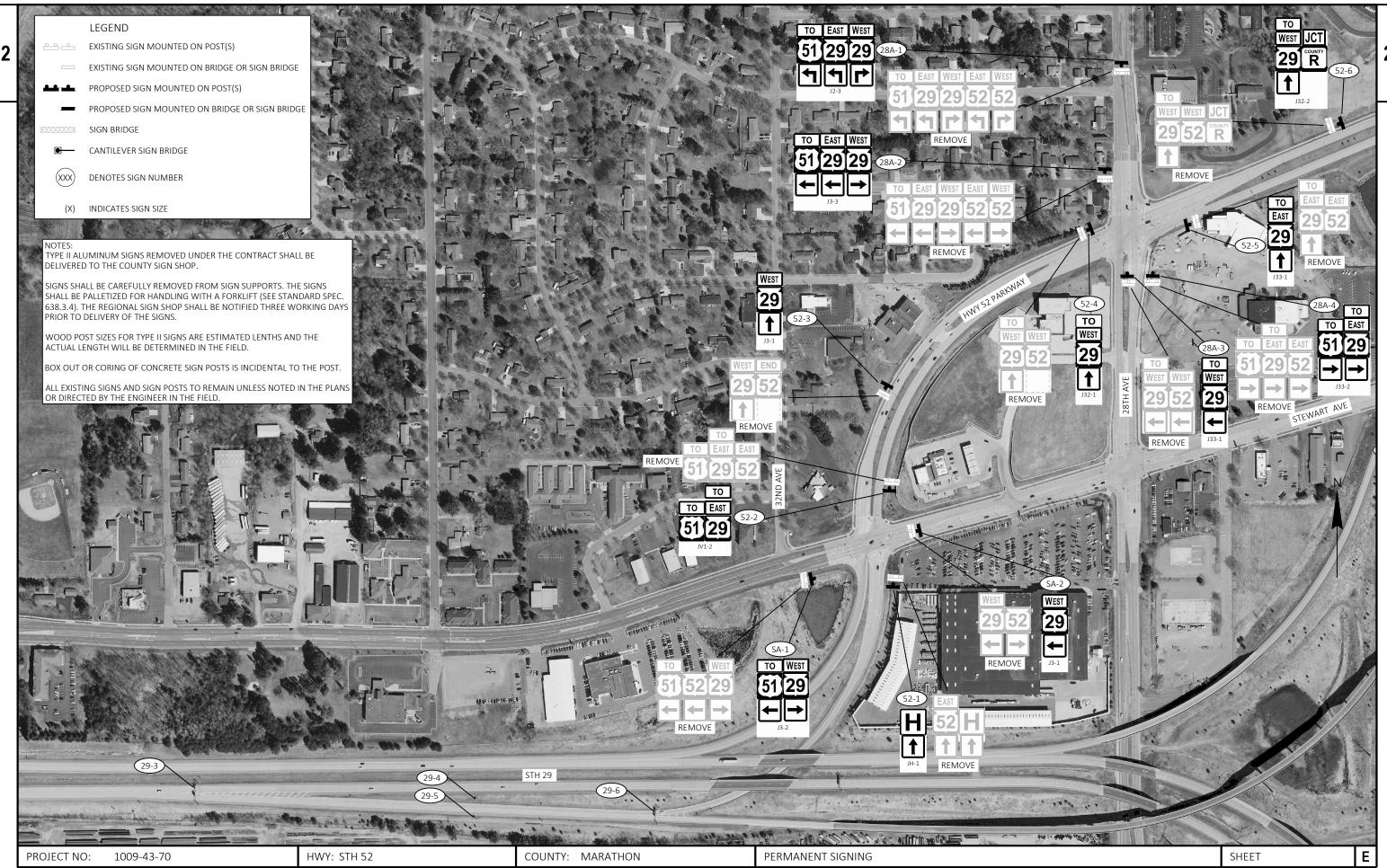
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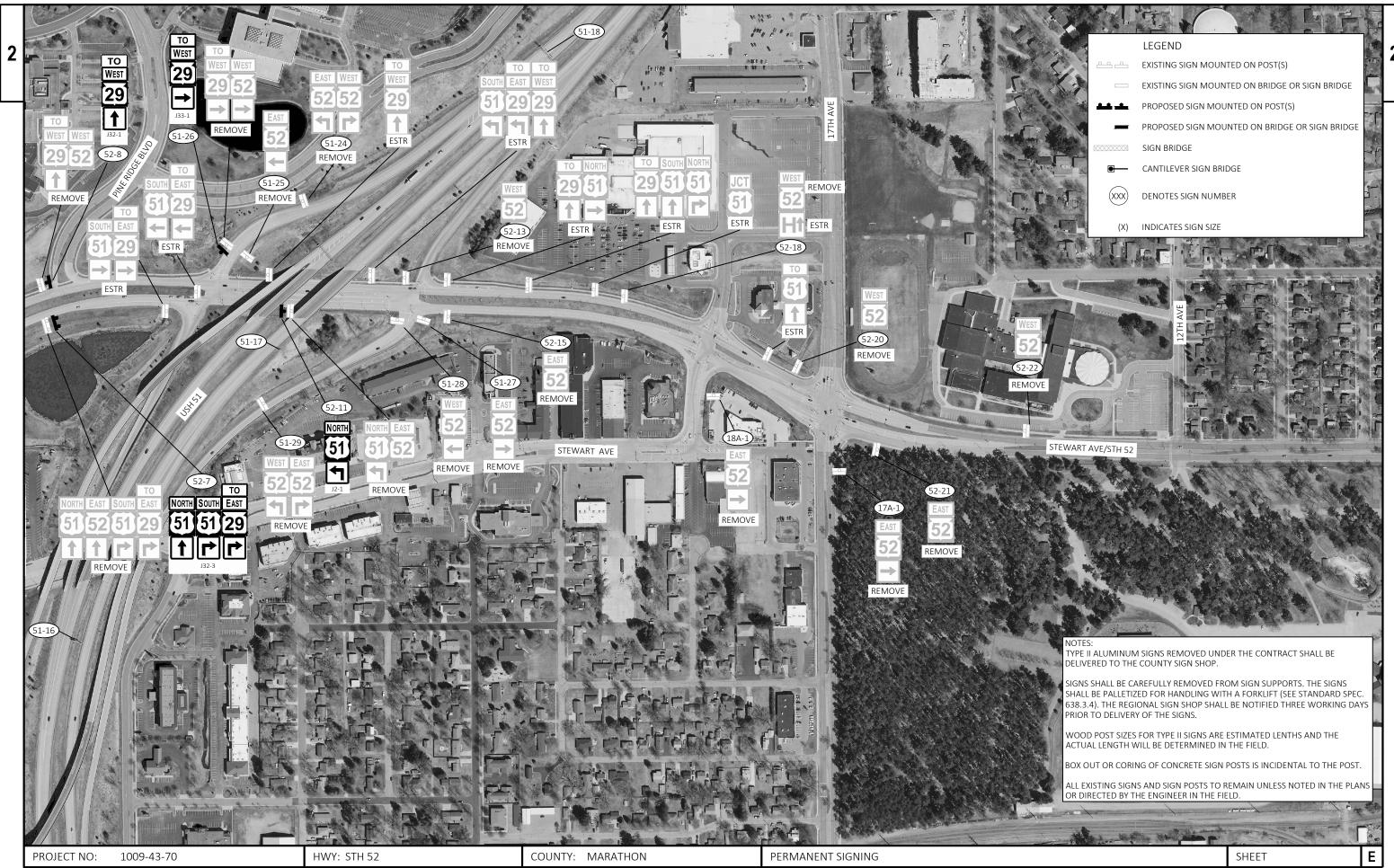




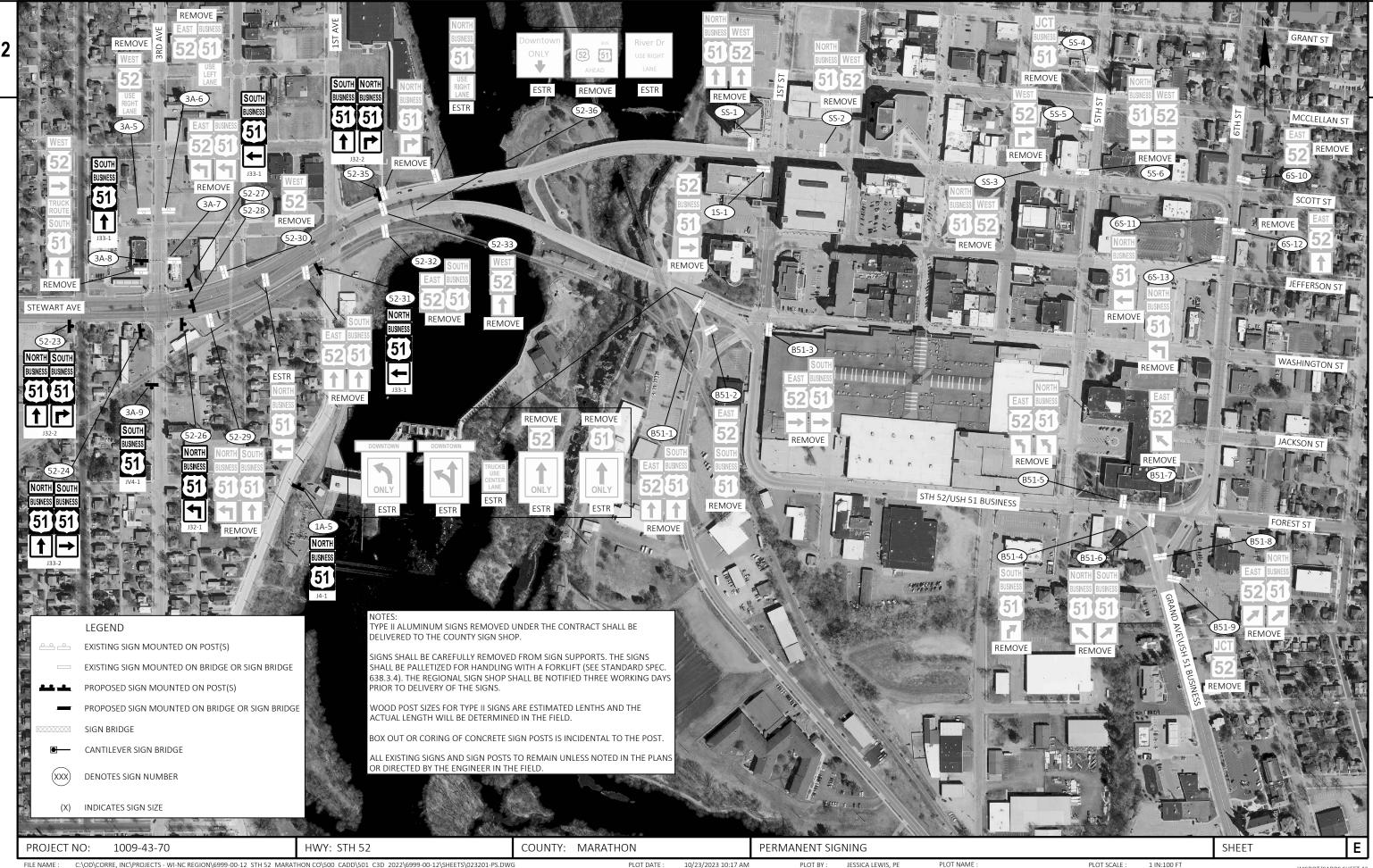




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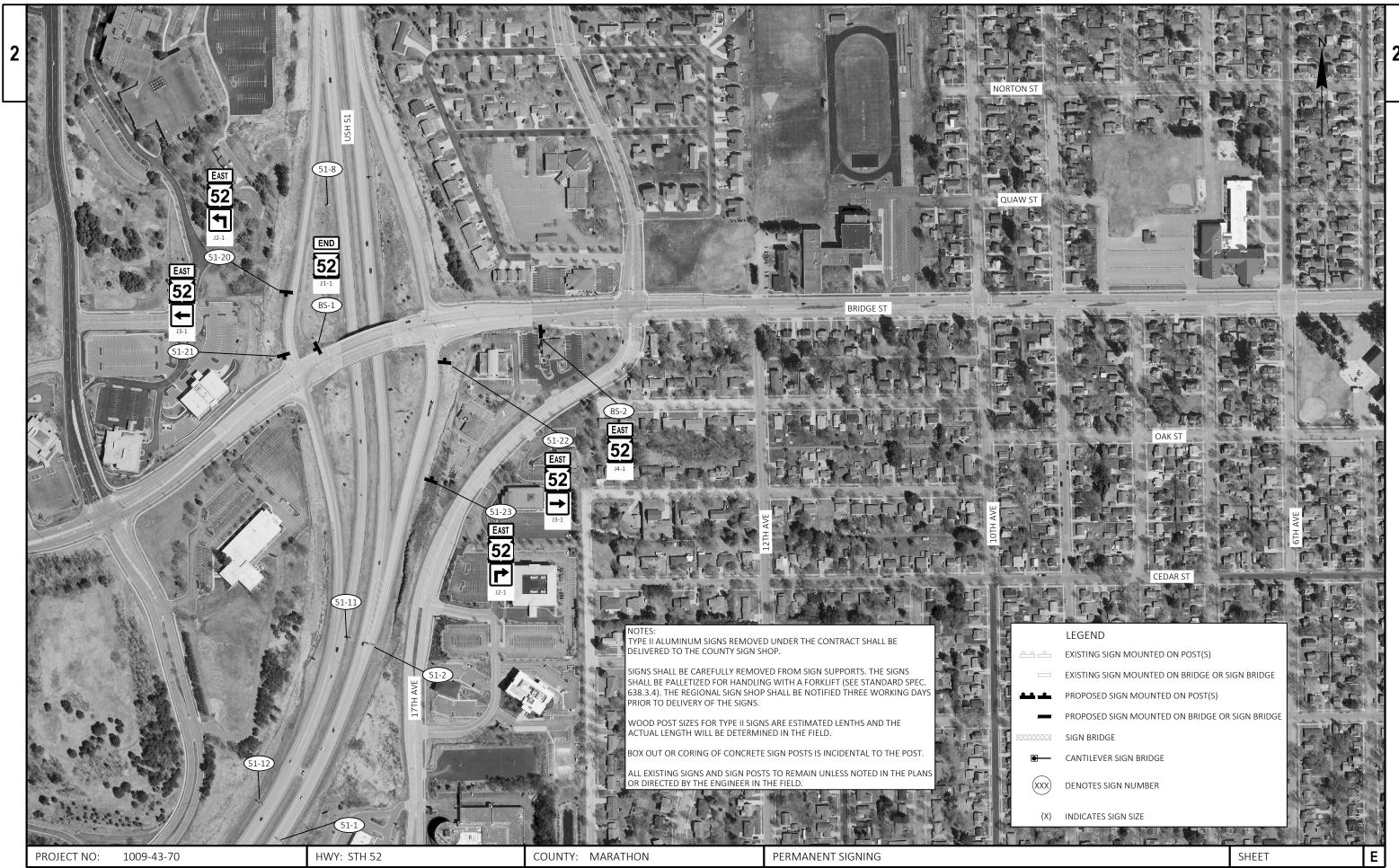




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PLOT NAME :

PLOT SCALE :



FILE NAME :



FILE NAME :

1000-20-83 1009-43-70

Line	Item	Item Description	Unit	Total	Qty	Qty
0002	204.0247	Removing Ancillary Structure with Restoration (structure) 01. S-37-62	EACH	1.000		1.000
0004	204.0247	Removing Ancillary Structure with Restoration (structure) 02. S-37-63	EACH	1.000		1.000
0006	531.1100	Concrete Masonry Ancillary Structures Type NS	CY	29.200	13.200	16.000
8000	531.1140	Steel Reinforcement HS Ancillary Structures Type NS	LB	2,776.000	1,260.000	1,516.000
0010	531.1160	Steel Reinforcement HS Coated Ancillary Structures Type NS	LB	1,100.000		1,100.000
0012	531.2024	Drilling Shaft 24-Inch	LF	133.000	82.000	51.000
0014	531.2036	Drilling Shaft 36-Inch	LF	42.000		42.000
0016	531.6020	Foundation Two-Shaft Type FC-II (structure) 01. S-37-165	EACH	1.000		1.000
0018	532.6010	Truss Cantilever 4-Chord Type I (structure) 01. S-37-164	EACH	1.000		1.000
0020	532.6020	Truss Cantilever 4-Chord Type II (structure) 01. S-37-165	EACH	1.000		1.000
0022	619.1000	Mobilization	EACH	1.000	0.750	0.250
0024	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	93.000	11.000	82.000
0026	635.0200	Sign Supports Structural Steel HS	LB	8,060.000	4,924.000	3,136.000
0028	635.9010.S	Sign Supports Shorten Structural Steel	EACH	30.000	24.000	6.000
0030	635.9020.S	Sign Supports Replacing Base Connection Bolts Legacy System	EACH	61.000	61.000	
0032	637.1220	Signs Type I Reflective SH	SF	15,676.000	12,814.000	2,862.000
0034	637.1230	Signs Type I Reflective F	SF	1,135.000	777.000	358.000
0036	637.2210	Signs Type II Reflective H	SF	1,249.560	271.500	978.060
0038	637.2220	Signs Type II Reflective SH	SF	269.500	269.500	
0040	638.2101	Moving Signs Type I	EACH	1.000	1.000	
0042	638.2601	Removing Signs Type I	EACH	158.000	138.000	20.000
0044	638.2602	Removing Signs Type II	EACH	65.000		65.000
0046	638.3000	Removing Small Sign Supports	EACH	74.000	9.000	65.000
0048	638.3100	Removing Structural Steel Sign Supports	EACH	20.000	14.000	6.000
0050	650.6501	Construction Staking Structure Layout (structure) 01. S-37-164	EACH	1.000		1.000
0052	650.6501	Construction Staking Structure Layout (structure) 02. S-67-165	EACH	1.000		1.000
0054	650.9911	Construction Staking Supplemental Control (project) 01. 1009-43-70	EACH	1.000		1.000
0056	SPV.0060	Special 01. Traffic Control Special	EACH	1.000	0.750	0.250

PROJECT 1000-20-83 TOTALS Location	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	531.2024 Drilling Shaft 24-Inch LF	634.0618 Posts Wood 4x6-In x 18-FT EACH	635.0200 Sign Supports Structural Steel HS LBS	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2101 Moving Sign Type I EACH	638.2210 Sign Type II Reflective H SF	637.2220 Sign Type II Reflective SH SF	638.2601 Removing Signs Type I EACH	Small Sign	638.3100 Removing Structural Steel Sign Supports EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System EACH	635.9010.S Sign Supports Shorten Structural Steel EACH	SPV.0060.01 Traffic Control Special EACH	619.1000 Mobilization EACH
IH 94 Dunn						427.5					4			4			
USH 53 Barron	6.4	568	26		2206	228					3	9					
IH 41 Kenosha						4239.5	267		98	180	53			12	2		
IH 41 Waukesha	1.6	142	13	3	578			1	25		1		4				
IH 94 Waukesha	1.6	142	13		553	54					1		2				
STH 165 Kenosha						900				36	16						
CTH P Waukesha				5		296.5			117	53.5	12		4				
USH 12 Walworth	1.8	204	15	3	846	2,204	510		31.5		22		2	20			
USH 18 Dane	1.8	204	15		741	4687.5					28		2	27	18		
Projectwide															4	0.75	0.75
Total	13.2	1260	82	11	4924	13036.5	777	1	271.5	269.5	140	9	14	63	24	0.75	0.75

PROJECT NO: 1000-20-83	HWY: VARIOUS	COUNTY: VARIOUS	MISCELLANEOUS QUANTITIES	SHEET:	E
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Dunn I	H 94								637.1220 Sign Type I	638.2601 Removing Signs	635.9020.S Sign Supports Replacing Base Connection Bolts
Sign Number	Route	PLM	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	Reflective SH SF	Type I EACH	Legacy System EACH
NW-94-1	IH 94 Eastbound	43.48	AFTER STH 25	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	180	84	B 2 Elk Mound 8 Eau Claire 21	105	1	1
NW-94-2	IH 94 Eastbound	46.54		Right	D2-3 Destination/Distance (Three) with Die Cut Letters	180	84	Elk Mound 5 Eau Claire 18 Madison 189	105	1	1
NW-94-3	IH 94 Eastbound	52.75		Right	D2-3 Destination/Distance (Three) with Die Cut Letters	180	90	312 6 Eau Clarie 12 Madison 183	112.5	1	1
NW-94-4	IH 94 Eastbound	82.17		Right	D2-3 Destination/Distance (Three) with Die Cut Letters	168	90	37 4 Tomah 82 Madison 176	105	1	1
								SUBTOTALS	427.5	4	4

Barron	USH 53							531.1100 Concrete Masonry	531.1140 Steel Reinforcement HS	531.2024 Drilling	635.0200 Sign Supports	637.1220 Sign	638.2601 Removing	638.3000 Removing	
Sign Number	Route	PLM	Location	Sign Code and Description	Width	Height	Order Lines	Ancillary Structures Type NS CY	Ancillary Structures Type NS LBS	Shaft 24-Inch LF	Structural Steel HS LBS	Type I Reflective SH SF	Signs Type I EACH	Small Sign Supports EACH	Comments
NW-53-1	USH 53 Northbound	118.02	Right	E5-63 144W x 60H Tourist Info EXIT 000	144	60	Tourist Info Exit 140	1.6	142	6.5	554	60	1	3	W6-15
NW-53-2	USH 53 Northbound	120.89	Right	E10-62 144W x 54H Hospital Next Right	144	54	Hospital Exit 143	1.6	142	6.5	545	54	1	3	W6-15
NW-53-3	USH 53 Southbound	81.32	Right	E10-62 144W x 54H Hospital Next Right	144	54	Hospital Exit 143	1.6	142	6.5	554	54	1	3	W6-15
NW-53-4	USH 53 Southbound	83.44	Right	E5-63 144W x 60H Tourist Info EXIT 000	144	60	Tourist Info Exit 140	1.6	142	6.5	553	60			W6-15
					-	-		6.4	568	26	2206	228	3	9	

PROJECT NO: 1000-20-83 HWY: VARIOUS COUNTY: VARIOUS MISCELLANEOUS QUANTITIES SHEET: **E**

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PROJECT NO: 1000-20-83

Kenosha IH 41 Northbound												
Sign Number	Route	PLM	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System EACH	635.9010.S Sign Supports Shorten Structural Steel EACH	Comments
SE-41-1	IH 41 Northbound	Kenosha Scale 0.33	Right	D12-3 120W x 60H Wisconsin Travel Information	120	60	Traffic Information 1610 AM Important When Flashing	50	1	1		
SE-41-2	IH 41 Northbound	000.670 mi	Median	E8-1 Sequence Sign-Highways Miles	180	96	165 1 C 2 1/4 50 3 1/4	120	1			S-30-26
SE-41-3	IH 41 Northbound	001.220 mi	Right	D4-52 156W x 126H Crash Investigation Site EXIT [000]	156	126	Crash Investigation Site Exit 347	136.5	1	1		
SE-41-4	IH 41 Northbound	001.490 mi	Right	SP ANY SPECIAL SIGN	168	90	Rest Area Tourist Info EXIT 347	105	1	1	2	
				E10-53 120W x 18H Vending Machines	-	-	Vending Machines					Remove Plaque
SE-41-5	IH 41 Northbound	Off to 165 1.81	Exit Ramp Overhead	E6-1 Exit Gore Sign (Overhead)	96	72	REST AREA TOURIST Information [DA]	48	1			S-30-231
SE-41-6	IH 41 Northbound	Off to 165 1.81	Exit Ramp Overhead	E6-1 Exit Gore Sign (Overhead)	120	96	165-Q Frontage Rd Lakeview PKWY [DA]	80	1			S-30-231
SE-41-7	IH 41 Northbound	STH 165 001.840 mi	Right	SP ANY SPECIAL SIGN	168	96	Kenosha Area Tourist Info Tune Radio To 1180 AM	112	1	1		
SE-41-7B	IH 41 Northbound	Off to 165 1.86	Exit Ramp Overhead	E6-1 Exit Gore Sign (Overhead)	96	84	Rest Area Tourist Information Only [DA]	56	1			S-30-12
SE-41-8	IH 41 Northbound	Off to 165 1.95	Exit Ramp Overhead	E6-1 Exit Gore Sign (Overhead)	180	96	Q West To West Frontage Rd [LB] ONLY [R3-6-L]	120	1			S-30-248
SE-41-9	IH 41 Northbound	Off to 165 1.95	Exit Ramp Overhead	E6-1 Exit Gore Sign (Overhead)	180	90	165 East To East Frontage Rd [RA] ONLY [RA]	112.5	1			S-30-248
SE-41-10	IH 41 Northbound	002.670 mi	Median	E8-1 Sequence Sign-Highways Miles	180	96	C 1/2 50 1 1/4 158 3 3/4	120	1			S-30-220
SE-41-11	IH 41 Northbound	2.97	Right	SP ANY SPECIAL SIGN	192	54	41 Follow 41	72	1	1		Norths removed
SE-41-12	IH 41 Northbound	3.57	Right	E9-1 (Area) Next _ Exits	132	54	Kenosha NEXT 3 EXITS	49.5	1	1		
	Northbound	3.37		E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 344	25				
SE-41-13	IH 41 Northbound	4.01	Right	E1-1-A Advance Exit Guide Sign, Mile	228	162	50 Kenosha Lake Geneva 3/4 MILE	256.5	1	1		
SE-41-14	IH 41 Northbound	4.23	Median	E8-1 Sequence Sign-Highways Miles	180	96	50 1/2 158 2 142 3 3/4	120	1			S-30-230
SE-41-15	IH 41 Northbound	4.65	Overhead	E5-51	180	108	94 West 41 Milwaukee Ahead	135	1			S-30-32
					. IZENI		Total	1718	16	7	2	•

MISCELLANEOUS QUANTITIES

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COUNTY: KENOSHA FILE NAME: N:\PDS\...\030200_mq.pptx PLOT BY: A.R.H. PLOT NAME : PLOT DATE: June 14, 1911 PLOT SCALE: 1:1

HWY: IH 41

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Kenos	ha IH 41 N	Vorthbound	d Continued	I				637.1220 637.1230 Sign Sign Type I Type I Reflective SH Reflective F	638.2210 Sign Type II	637.2220 Sign Type II	638.2601 Removing Signs			
Sign Number	Route	PLM	Location	Sign Code and Description	Width	Height	Order Lines			Reflective H SF	Reflective SH SF	Type I EACH	Legacy System EACH	Comments
				E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 344 50	25						
SE-41-16	IH 41 Northbound	4.65	Overhead	E6-1 Exit Gore Sign (Overhead)	192	114	Kenosha Lake Geneva	152				1		S-30-32
				E11-1-E Exit (Double Tilt Right Arrows) Onl	y 192	48	[TR] Exit Only [TR]		64					
SE-41-17	IH 41 Northbound	Off to 50 4.97	Exit Ramp Overhead	D16-1-L Destination Guide Sign (Left Arrow	36	72	WEST 50 ONLY [LT]				18	1		S-30-237
SE-41-18	IH 41 Northbound	Off to 50 4.97	Exit Ramp Overhead	D16-1-L Destination Guide Sign (Left Arrow	36	72	WEST 50 ONLY [LT]				18	1		S-30-237
SE-41-19	IH 41 Northbound	Off to 50 4.97	Exit Ramp Overhead	D16-1-A Destination Guide Sign (Up Arrow	96	78	94 West To 71st Street [UA]	52				1		S-30-237
SE-41-20	IH 41 Northbound	Off to 50 4.97	Exit Ramp Overhead	D16-1-A Destination Guide Sign (Up Arrow	96	78	94 West To 71st Street [UA]	52				1		S-30-237
SE-41-21	IH 41 Northbound	Off to 50 4.97	Exit Ramp Overhead	D16-1-R Destination Guide Sign (Right Arro	36	72	East 50 ONLY [RT]				18	1		S-30-237
SE-41-22	IH 41 Northbound	Off to 50 4.97	Exit Ramp Overhead	D16-1-R Destination Guide Sign (Right Arrov	36	72	East 50 ONLY [RT]				18	1		S-30-237
SE-41-23	IH 41 Northbound	5.26	On Ramp Overhead	R3-5-L 42x48 Left Only Arrow	42	48	[LA] ONLY			14		1		S-30-239
SE-41-24	ПТ 41	5.26	On Ramp Overhead	R3-6-L 42x48 Left/Up Arrow	42	48	[LA/UA]			14		1		S-30-239
SE-41-25	TH 41	5.26	On Ramp Overhead	D16-1-A Destination Guide Sign (Up Arrow	36	72	WEST 94 ONLY [UA]				18	1		S-30-239
SE-41-26	IH 41 Northbound	5.26	On Ramp Overhead	R3-5-R 42x48 Right Only Arrow	42	48	[RA] ONLY			14		1		S-30-239
	Northooding	3.20	Overnead	E1-5-P Exit Number for E1-1 & E4-1	120	30	EXIT 342	25						
SE-41-27	IH 41 Northbound	5.81	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	168	114	158 Kenosha 1/2 Mile	133				1		S-30-31
				E11-1 Exit (Single Down Arrow) Only	168	36	EXIT [DA] ONLY		42					
SE-41-28	IH 41 Northbound	5.82	Median	D2-3 Destination/Distance (Three) with Die C Letters	ıt 180	96	158 1/2 142 2 1/4 E 4	120				1		S-30-222
SE-41-29	IH 41 Northbound	5.89	Right	E3-1 Destination - Next Right - Exit Number	228	84	Downtown Kenosha Area Museums EXIT 342	133				1	1	
SE-41-30	IH 41 Northbound	5.99	Right	E3-1 Destination - Next Right - Exit Number	192	60	Kenosha Airport EXIT 342	80				1	1	
		,		E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 342	25						
SE-41-31	IH 41 Northbound	6.33	Overhead	E6-1 Exit Gore Sign (Overhead) E11-1 Exit (Single Down Arrow) Only	168 168	84 42	158 Kenosha [TR] EXIT ONLY	98	49			1		S-30-22
				E1-5-P Exit Number for E1-1 & E4-1	120	30	EXIT 344	25						
SE-41-32	IH 41 Southbound	78.09	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	192	144	50 Kenosha Lake Geneva 1/2 MILE	192				1		S-30-24
				E11-1 Exit (Single Down Arrow) Only	192	36	EXIT [DA] ONLY Total	1112	48 203	42	90	17	2	
JECT NO: 1000-20-83	,	T	HWY: IH 41	I	TY: KEN	IOCII A		'	<u> </u>	UANTITIE	<u> </u>	1/	<u> </u>	SHEE

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Sign Number	Route	PLM	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	Sign Type I Reflective F	638.2210 Sign Type II Reflective H	637.2220 Sign Type II Reflective SH SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System EACH	Comments
SE-41-33	IH 41 Southbound	78.3	Median	D2-3 Destination/Distance (Three) with Die Cut Letters	180	96	50 1/4 C 2 165 3 1/2	120				1		S-30-222
SE-41-34	IH 41 Southbound	78.51	Overhead	E1-4 Diagrammatic Guide Sign	180	108	94 East 41 Chicago Ahead	135				1		S-30-33
				E1-5-P Exit Number for E1-1 & E4-1	120	30	EXIT 344 50	25						
SE-41-35	IH 41 Southbound	78.51	Overhead	E6-1 Exit Gore Sign (Overhead)	192	114	Kenosha Lake Geneva	152				1		S-30-33
SE-41-36	IH 41	Off to 50	Exit Ramp	E11-1-E Exit (Double Tilt Right Arrows) Only R3-5-L 42x48 Left Only Arrow	192 42	48	[TR] EXIT ONLY [TR]		64	14		1		S-30-240
SE-41-37	Southbound IH 41	78.82 Off to 50	Overhead Exit Ramp	R3-6-L 42x48 Left/Up Arrow	42	48	ONLY [LA/UA]			14		1		S-30-240
SE-41-38	Southbound IH 41 Southbound	78.82 Off to 50 78.82	Overhead Exit Ramp Overhead	E7-1 Overhead Arrow Per Lane Guide Sign [1 Arrow]	36	72	To 50 ONLY [UA]				18	1		S-30-240
SE-41-39	IH 41 Southbound	Off to 50 78.82	Exit Ramp Overhead	R3-5-R 42x48 Right Only Arrow	42	48	[RA] ONLY			14		1		S-30-240
SE-41-40	IH 41 Southbound	STH 50 79.07	On Ramp Overhead	E7-1 Overhead Arrow Per Lane Guide Sign [1 Arrow]	36	72	East 50 ONLY [LT]				18	1		S-30-238
SE-41-45	IH 41 Southbound	STH 50 79.07	On Ramp Overhead	R3-6-L 42x48 Left/Up Arrow	42	48	[LA/UA]			14		1		S-30-238
SE-41-46	IH 41 Southbound	STH 50 79.07	On Ramp Overhead	E7-1 Overhead Arrow Per Lane Guide Sign [1 Arrow]	36	72	East 94 ONLY [UA]				18	1		S-30-239
SE-41-47	IH 41 Southbound	STH 50 79.07	On Ramp Overhead	E7-1 Overhead Arrow Per Lane Guide Sign [1 Arrow]	36	72	WEST 50 ONLY [RT]				18	1		S-30-238
SE-41-48	IH 41 Southbound	STH 50 79.07	On Ramp Overhead	E7-1 Overhead Arrow Per Lane Guide Sign [1 Arrow]	36	72	WEST 50 ONLY [RT]				18	1		S-30-238
SE-41-49	IH 41 Southbound	79.94	Median	D2-3 Destination/Distance (Three) with Die Cut Letters	204	90	C 1/2 165 1 3/4 Russell Rd 4 3/4	127.5				1		S-30-230
SE-41-50	IH 41 Southbound	CTH C 080.770 mi	Right	D4-52 156W x 126H Crash Investigation Site EXIT [000]	156	126	Crash Investigation Site Exit 347	136.5				1	1	
SE-41-51	IH 41 Southbound	081.060 mi	Right	E3-1 Destination - Next Right - Exit Number	216	84	Bristol Renaissance Faire EXIT 347	120				1	1	
SE-41-52	IH 41 Southbound		Median	D2-3 Destination/Distance (Three) with Die Cut Letters	192	90	165 1/4 Russell Rd 3 1/4 41 3 3/4	120				1		S-30-220
SE-41-53	IH 41 Southbound	81.6	Right	D2-1 Destination	156	36	Chicago 46	39				1	1	
SE-41-54	IH 41		Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 1A	22.5				1		S-30-26
	Southbound	83.52		E1-1-A Advance Exit Guide Sign, Mile	156	108	Lane A1 County Russell Rd 1 MILE	117						
SE-41-55	IH 41 Southbound	83.52	Overhead	E1-5-P Exit Number for E1-1 & E4-1	96	48	Left EXIT 1B 41 SOUTH	32				1		S-30-26
	Southoothid			E6-1 Overhead Exit Sign	156	114	Waukegan 1 1/2 MILES	123.5						
SE-41-56	IH 41 Southbound	83.52	Overhead	E1-5-P Exit Number for E1-1 & E4-1 E6-1 Overhead Exit Sign	108 156	30 108	EIXT 1A Lane A1 County Russel Rd	22.5 117				1		S-30-35
	Southbound			Lo i o orineaa Eart orgii	130	100	1/4 MILE Total	1409.5	64	56	90	20	3	

637.1220

637.1230 638.2210 637.2220

635.9020.S

Kenosha IH 41 Southbound

PROJECT NO: 1000-20-83 HWY: IH 41 COUNTY: KENOSHA MISCELLANEOUS QUANTITIES SHEET: E NAME: N:NPDS\...030200_mq.pptx Sheet: 1:1

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									l .	531.1140								
	Waukesh	oo IU //1							531.1100	Steel	531.2024	634.0618	635.0200	637.2101	638.2210	638.2601	638.3100	
	Waukesi	1a 111 4 1							Concrete Masonry	Reinforcement HS	Drilling	Posts Wood	Sign Supports	Moving	Sign	Removing	Removing	
						•			Ancillary	Ancillary Structures	Shaft	4x6-ln x	Structural	Sign	Type II	Signs	Structural Steel	Comments
	Sign Number	Route	PLM	Location	Sign Code and	Width	Height	Order Lines	Structures Type NS	Type NS	24-Inch	18-FT	Steel HS	Type I	Reflective H	Type I	Sign Supports	
	Sign Number	Route	PLIVI	Location	Description	wiatri	neignt	Order Lines	CY	LBS	CY	EACH	LBS	EACH	SF	EACH	EACH	
3	SE-41-57	IH 41 Southbound	028.690 mi	Right	I-2-3-A City Of [Brookfield]	120	30	VILLAGE OF Menomonee Falls				3			25	1	2	Remove Type I replace with Type II
_	SE-41-58	IH 41 Southbound	029.240 mi	Right	E10-61 Hospital	1	-	Hospital Exit 51A-B	1.6	142	13		578	1			2	Corten. Use existing sign 2 W6x15
								SUBTOTAL	1.6	142	13	3	578	1	25	1	4	

Waukes Sign Number	ha IH 94	PLM	Location	 Sign Code and Description	Width	Height	Order Lines	531.1100 Concrete Masonry Ancillary Structures Type NS	531.1140 Steel Reinforcement HS Ancillary Structures Type NS	531.2024 Drilling Shaft 24-Inch	635.0200 Sign Supports Structural Steel HS	Reflective SH	638.2601 Removing Signs Type I EACH	Sign Supports	Comments
SE-94-1	IH 94 Westbound	049.86 mi	Right	E10-61 Hospital	144	54	Hospital Exit 297	CY 1.6	LBS 142	13	LBS 553	SF 54	1	EACH 2	CORTEN. Behind barrier wall 2-W6x15
	•						SUBTOTALS	1.6	142	13	553	54	1	2	

PROJECT NO: 1000-20-83 HWY: VARIOUS COUNTY: VARIOUS MISCELLANEOUS QUANTITIES SHEET: **E**

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

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Kenosh	na STH 1	65							637.1220 Sign	637.2220 Sign	638.2601 Removing	
Sign Number	Route	PLM	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	Type I Reflective SH SF	Type II Reflective SH SF	Signs Type I EACH	Comments
SE-165-1	STH 165 Eastbound	CTH ML 005.170 mi	CTH ML	Overhead	E6-53 Overhead Roundabout Guide Sign Ahead, Right Arrows	84	96	EAST 165 [UA/RA] SOUTH ML	56	57	1	S-30-232
SE-165-2	STH 165 Eastbound	CTH ML 005.170 mi	CTH ML	Overhead	E6-52 Overhead Roundabout Guide Sign Left, Ahead Arrows	108	96	EAST 165 Springbrook[LA/UA] Rd	72		1	S-30-232
SE-165-3	STH 165 Eastbound	CTH ML 005.220 mi	CTH ML	Overhead	E7-1 Overhead Arrow Per Lane Guide Sign [1 Arrow]	36	72	EAST 165 ONLY [RB]		18	1	S-30-608
SE-165-4	STH 165 Eastbound	CTH ML 005.220 mi	CTH ML	Overhead	E6-52 Overhead Roundabout Guide Sign Left, Ahead Arrows	108	78	Springbrook Rd WEST [LA.UA] 165 .	58.5		1	S-30-608
SE-165-5	STH 165 Eastbound	CTH EZ 005.490 mi	CTH EZ	Overhead	E6-52 Overhead Roundabout Guide Sign Left, Ahead Arrows	60	90	NORTH 39th Ave [LB]	37.5		1	S-30-234
SE-165-6	STH 165 Eastbound	CTH EZ 005.490 mi	CTH EZ	Overhead	E7-3 Overhead Arrow Per Lane Guide Sign [3 Arrows]	144	96	EAST 165 NORTH LA/UA/RA SOUTH 39TH FZ	96		1	S-30-234
SE-165-7	STH 165 Eastbound	CTH EZ 005.580 mi	CTH EZ	Overhead	E6-52 Overhead Roundabout Guide Sign Left, Ahead Arrows	96	102	NORTH 39TH AVE WEST [LA/UA] 165	68		1	S-30-610
SE-165-8	STH 165 Eastbound	CTH EZ 005.580 mi	CTH EZ	Overhead	E6-53 Overhead Roundabout Guide Sign Ahead, Right Arrows	96	102	NORTH 39th Ave [UA/RA] EAST 165	68		1	S-30-610
SE-165-9	STH 165 Westbound	CTH EZ 001.470 mi	CTH EZ	Overhead	E6-52 Overhead Roundabout Guide Sign Left, Ahead Arrows	96	96	WEST 165 SOUTH [LA/UA] EZ	64		1	S-30-235
SE-165-10	STH 165 Westbound	CTH EZ 001.470 mi	CTH EZ	Overhead	E6-53 Overhead Roundabout Guide Sign Ahead, Right Arrows	96	96	WEST 165 [UA/RA]NORTH 39th Ave	64		1	S-30-235
SE-165-11	STH 165 Westbound	CTH EZ 001.530 mi	CTH EZ	Overhead	E6-53 Overhead Roundabout Guide Sign Ahead, Right Arrows	96	90	SOUTH EZ [UA/RA] WEST 165	60		1	S-30-611
SE-165-12	STH 165 Westbound	CTH EZ 001.530 mi	CTH EZ	Overhead	E6-52 Overhead Roundabout Guide Sign Left, Ahead Arrows	96	90	SOUTH EZ EAST UA/RA 165	60		1	S-30-611
SE-165-13	STH 165 Westbound	CTH ML 001.790 mi	CTH ML	Overhead	E6-53 Overhead Roundabout Guide Sign Ahead, Right Arrows	108	96	WEST 165 [UA/RA] Springbook Rd	72		1	S-30-233
SE-165-14	STH 165 Westbound	CTH ML 001.800 mi	CTH ML	Overhead	E6-52 Overhead Roundabout Guide Sign Left, Ahead Arrows	96	96	WEST 165 SOUTH [LA/UA] ML	64		1	S-30-233
SE-165-15	STH 165 Westbound	CTH ML 001.880 mi	CTH ML	Overhead	E7-1 Overhead Arrow Per Lane Guide Sign [1 Arrow]	36	72	WEST 165 ONLY [RB]		18	1	S-30-609
SE-165-16	STH 165 Westbound	CTH ML 001.880 mi	CTH ML	Overhead	E6-52 Overhead Roundabout Guide Sign Left, Ahead Arrows	96	90	SOUTH ML EAST [LA/UA] 165	60		1	S-30-609
								SUBTOTALS	900	36	16	

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MISCELLANEOUS QUANTITIES

COUNTY: KENOSHA

HWY: STH 165

PROJECT NO: 1000-20-83

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Wauk	esha CT	HP at IH 94						634.0618 Posts Wood 4x6-ln x	637.1220 Sign Type I	638.2210 Sign Type II	637.2220 Sign Type II	638.2601 Removing Signs	638.3100 Removing Structural Steel	Comments
Sign Number	Route	PLM	Location	Sign Code and Description	Width	Height	Order Lines	18-FT EACH	Reflective SH SF		Reflective SH		Sign Supports EACH	Comments
3 SE-P-1	CTH P Northbound	Delafield Rd 000.000 mi	Right	D1-62 Roundabout Destination - Direction Sign	120	78	P to 94 blank N Sawyer Rd DR [RAB Symbol] Delafield Rd	3		65		1	2	Remove Type I, Change to Type II
SE-P-2	CTH P Northbound	I-94 000.110 mi	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	84	78	94 EAST Milwaukee ONLY [RT]		45.5			1		S-67-903
SE-P-3	CTH P Northbound	I-94 000.110 mi	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	84	66	To 94 West Madison [DA]		38.5			1		S-67-903
SE-P-4	CTH P Northbound	I-94 000.180 mi	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	48	66	WEST 94 [LT]				22	1		S-67-903
SE-P-5	CTH P Northbound	I-94 000.180 mi	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	36	54	P DA				13.5	1		REMOVE JPANEL/ TYPE II SIGN S-67-903
SE-P-6	СТЫ В	I-94 000.050 mi	Right	D1-62 Roundabout Destination - Direction Sign	96	78	P TO 94 EAST S Sawyer Rd [RAB SYMBOL] West 94	2		52		1	2	Remove Type I, Change to Type II
SE-P-7	CTH P Southbound	I-94 000.080 mi	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	84	78	To 94 East South Sawyer Rd [DA]		45.5			1		S-67-902
SE-P-8	CTH P Southbound	I-94 000.080 mi	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	84	66	To 94 East Milwaukee [DA]		38.5			1		S-67-902
SE-P-9	CTH P Southbound	I-94 000.080 mi	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	72	78	94 WEST Madison ONLY [DA]		39			1		S-67-902
SE-P-10	CTH P Southbound	I-94 000.190 mi	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	36	72	East 94 ONLY [DA]				18	1		S-67-904
SE-P-11	CTH P Southbound	I-94 000.190 mi	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	96	66	To DR Delafield Rd [DA]		44			1		S-67-904
SE-P-12	CTH P Southbound	I-94 000.190 mi	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	84	78	East 94-P Sawyer Rd [DA]		45.5			1		S-67-904
							SUBTOTALS	5	296.5	117	53.5	12	4	

PROJECT NO: 1000-20-83 HWY: CTH P COUNTY: WAUKESHA MISCELLANEOUS QUANTITIES SHEET:

FILE NAME: N:NPDS\...\030200_mq.pptx PLOT DATE: June 14, 1911 PLOT BY: A.R.H. PLOT NAME: PLOT NAME: PLOT SCALE: 1:1

Walwe	orth USI	H 12 Eastboเ	und					634.0618 Posts Wood	637.1220 Sign	637.1230 Sign Type I	638.2210 Sign	638.2601 Removing	638.3100 Removing	635.9020.S Sign Supports Replacing	COMMENTS
SIGN NUMBER	Route	PLM	Location	Sign Code and Description	Width	Height	Order Lines	4x6-ln x 18-FT EACH	Type I Reflective SH SF	Reflective F SF	Type II Reflective H SF	Signs Type I EACH	Structural Steel Sign Supports EACH	Base Connection Bolts Legacy System EACH	
·12-1	USH 12 Eastbound	STH 67 [East Jct] 19.18	Right	D1-70 Entrance Direction Sign (One Arrow)	108	42	12 EAST Lake Geneva [TR]	3			32	1	2		Change to Type II Currently 12 East Lake Geneva Delavean Via Freeway
-12-2	USH 12 Eastbound	Off to NN 21.59	Collector Right	E3-1 Destination - Next Right - Exit Number	168	54	Gateway Tech NEXT RIGHT		63			1		1	
-12-3	USH 12 Eastbound	23.12	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	192	84	Lake Geneva 6 Genoa City 16 Chicago 61		112			1		1	
				E1-5-P Exit Number for E1-1 & E4-1	120	30	EXIT 328		25						
SE-12-4	USH 12 Eastbound	27.53	Right	E1-1-A Advance Exit Guide Sign, Mile	228	192	NORTH TO 120-H-36 Lake Geneva Burlington 1 MILE		304			1		1	
·12-5	USH 12 Eastbound	30.88	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	204	84	Pell Lake Dr 4 Genoa City 8 Chicago 54		119			1		1	
	USH 12			E1-5-P Exit Number for E1-1 & E4-1	120	30	EXIT 335		25						
SE-12-6	Eastbound	33.65	Right	E1-1-A Advance Exit Guide Sign, Mile	228	78	Pell Lake Dr 1 MILE		124			1		1	
SE-12-7	USH 12 Eastbound	34.53	Right	E1-5-P Exit Number for E1-1 & E4-1 E4-1-A Exit Direction Sign with Arrow	120 264	30 48	EXIT 335 Pell Lake Dr [TR]		25 88			1		1	
	USH 12	34.00		W19-1 180W x 102H Freeway Ends		40	FREEWAY		00						
·12-8	Eastbound	37.22	Median	Mile	180	102	ENDS 1 MILE			128		1		1	
-12-9	USH 12 Eastbound	37.22	Right	W19-1 180W x 102H Freeway Ends Mile	180	102	FREEWAY ENDS 1 MILE			128		1		1	
-							SUBTOTAL	3	885	255	31.5	9	2	8	

PROJECT NO: 1000-20-83 HWY: USH 12 COUNTY: WALWORTH MISCELLANEOUS QUANTITIES SHEET: **E**

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

4	orth USH 1	2 Wes	tbound			1		531.1100 Concrete Masonry Ancillary	531.1140 Steel Reinforcement HS Ancillary Structures	531.2024 Drilling Shaft	635.0200 Sign Supports Structural	637.1220 Sign Type I	637.1230 Sign Type I	638.2601 Removing Signs	635.9020.S Sign Supports Replacing Base Connection Bolts	COMMENTS
Sign Number	Route	PLM	Location	Sign Code and Description	Width	Height	Order Lines	Structures Type NS CY	Type NS LBS	24-Inch CY	Steel HS LBS	Reflective SH SF	Reflective F SF	Type I EACH	Legacy System EACH	
12-10	USH 12 Westbound	11.35	Right	E8-1-A Seq. Sign - City Name - Name- Highways Miles	168	90	Elkhorn 5 IH 43 6 Madison 65					105		1	1	
12-11	USH 12 Westbound	18.3	Right	W19-1 180W x 102H Freeway Ends Mile	180	102	FREEWAY ENDS 1 MILE						128	1	1	
12-12	USH 12 Westbound	18.3	Median	W19-1 180W x 102H Freeway Ends Mile	180	102	FREEWAY ENDS 1 MILE						128	1	1	
SE-12-13	USH 12 Westbound	2.86	Right	E1-5-P Exit Number for E1-1 & E4-1 E1-1-A Advance Exit Guide Sign, Mile	120 228	30 78	EXIT 335 Pell Lake Dr 1 MILE							1	1	
SE-12-14	USH 12		Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	EXIT 335							1	1	
3E-12-14	Westbound	3.73	Right	E4-1-A Exit Direction Sign with Arrow	264	48	Pell Lake Dr [TR]							'	· · · · · · · · · · · · · · · · · · ·	
12-15	USH 12 Westbound	4.71	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	204	96	Lake Geneva 4 43 12 Madison 71					136		1	1	
12-16	USH 12 Westbound	7.52	Right	E9-1 (Area) Next _ Exits	156	54	Lake Geneva NEXT 2 EXITS					59		1	1	
SE-12-17	USH 12 Westbound	7.99	Right	E1-5-P Exit Number for E1-1 & E4-1 E1-1-A Advance Exit Guide Sign, Mile	180 228	30 192	EXIT 330 A - B SOUTH 50-120-H Lake Geneva Kenosha 1 MILE					38		1	1	
12-18	USH 12 Westbound	8.14	Right	E3-1 Destination - Next Right - Exit Number	180	84	Big Foot Beach State Park Exit 330 A - B					105		1	1	
12-19	USH 12 Westbound	8.5	Right	E3-1 Destination - Next Right - Exit Number	120	60	Delavan Exit 321	2	204	15	846	50		1	1	currently By-pass Lake Geneva Dealvan via Freeway Ahead W8x18
12-20	USH 12 Westbound	9.76	Right	E3-1 Destination - Next Right - Exit Number	132	60	East Troy EXIT 328					55		1	1	
SE-12-21	USH 12 Westbound	STH 120 9.92	Right	E1-5-P Exit Number for E1-1 & E4-1 E4-1-A Exit Direction Sign with Arrow	120 276	30 156	EXIT 328 NORTH TO 120-H-36 Lake Geneva [TR] Burlington					25 299		1	1	
12-22	USH 12 Westbound	17.38	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	144	144	43 South Delavan Beloit 1/4 Mile	1.8	204	15	846	144 1319	255	1 13	12	S-64-14

HWY: USH 12 COUNTY: WALWORTH SHEET: Е PROJECT NO: 1000-20-83 MISCELLANEOUS QUANTITIES

FILE NAME: N:\PDS\...\030200_mq.pptx PLOT NAME : PLOT SCALE: 1:1 PLOT DATE: June 14, 1911 PLOT BY: A.R.H.

Dane US				l	I]		531.1100 Concrete Masonry Ancillary	531.1140 Steel Reinforcement HS Ancillary Structures	531.2024 Drilling Shaft	635.0200 Sign Supports Structural	637.1220 Sign Type I	638.2601 Removing Signs	638.3100 Removing Structural Steel	635.9020.S Sign Supports Replacing Base Connection Bolts	635.9010.S Sign Supports Shorten	Comments
Number	Route	PLM	Location	Sign Code and Description	Width	Height	Order Lines	Structures Type NS CY	Type NS LBS	24-Inch CY	Steel HS LBS	Reflective SH SF	Type I EACH	Sign Supports EACH	Legacy System EACH	Structural Steel EACH	
SW-18-1	USH 18 Eastbound	Cth F 75.42	Right	D7-51 [Name State Park] [1] Mile	156	132	Blue Mound State Park Bringham County Park NEXT LEFT					143	1		1		
SW-18-2	USH 18 Eastbound	Cth F 75.76	Right	D2-2 Destination/Distance (Two) with Die Cut Letters	168	84	Mt Horeb 3 Verona 14 Madison 22	1.8	204	15	741	98	1	2			W8-18
SW-18-3 Vacant																	
				E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 65					22.5					
SW-18-4	USH 18	Cth E	Right				78 TO 92 Mt Horeb						1		1	2	
	Eastbound	78.53		E1-1-A Advance Exit Guide Sign, Mile	264	162	Blanchardville 1/2 MILE					297			·	_	
SW-18-5	USH 18 Eastbound	Cth E 78.38	Right	E3-1 Destination - Next Right - Exit Number	180	84	Military Ridge State Trail EXIT 65					105	1		1		
				E3-1 Destination - Next Right - Exit Number	108	30	EXIT 65					22.5					
SW-18-6	USH 18 Eastbound	Cth E 78.53	Right	E4-1-A Exit Direction Sign with Arrow	288	132	78 TO 92 Mt Horeb TR Blanchardville					264	1		1	2	
SW-18-7	USH 18 Eastbound	On Ramp From STH 78 79.88	Right	D2-2 Destination/Distance (Two) with Die Cut Letters	156	60	Verona 10 Madison 18					65	1		1		
				E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 69					22.5					
SW-18-8	USH 18 Eastbound	Off Ramp To CTH ID 81.56	Right	E1-1-A Advance Exit Guide Sign, Mile	180	120	ID Mt Horeb EXIT 1/2 MILE					150	1		1		
SW-18-9	USH 18	Off Ramp To CTH ID	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 69 ID TR					22.5	1		1		
	Eastbound	81.98	rugin	E4-1-A Exit Direction Sign with Arrow	216	90	Mt Horeb					135	1		'		
SW-18-10	USH 18 Eastbound	Off Ramp To CTH PD 83.22	Right	E1-5-sP Stacked Exit Number for E1-1 & E4-1 E1-1-A Advance Exit Guide Sign, Mile	108 228	30 120	EXIT 70 PD To P CROSS Plains EXIT 1/2 MILE					22.5	1		1	2	
SW-18-11- Vacant							Dan He Inne										
SW-18-12	USH 18 Eastbound	Springdale Center Rd 84.73	Right	D2-2 Destination/Distance (Two) with Die Cut Letters	156	60	Verona 5 Madison 13					65	1		1		Mileage changed
SW-18-13	USH 18 Eastbound	85.99	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	168	84	Barneveld 3 Mt Horeb 11 Madison 30					98	1		1		
SW-18-14	USH 18 Eastbound	Off Ramp To Cth G 88.74	Right	E8-1 Sequence Sign-Highways Miles	216	126	Verona Exits Bus 18-151 3/4 Hwy 69 2 Hwy PB 3 1/2					189	1		1		
				E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 76					22.5					
SW-18-15	USH 18 Eastbound	On Ramp From CTH G 89.1	Right	E1-1-A Advance Exit Guide Sign, Mile	252	162	BUS 18 151 Epic Lane W Verona Ave 1/2 MILE					283.5	1		1	2	
				E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 76					22.5					
SW-18-16	USH 18 Eastbound	Off ramp to CTH MV 89.44	Right	E4-1-A Exit Direction Sign with Arrow	276	132	Bus 18 151 Epic Lane [TR] W Verona Ave					253	1		1	2	
-				E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 77					22.5					
SW-18-17	USH 18 Eastbound	89.74	Right	E1-1-A Advance Exit Guide Sign, Mile	144	162	69 Verona Monroe 1 MILE					162	1		1		
SW-18-18 Vacant																	
					1	<u> </u>	TOTAL	1.8	204	15	741	2487.5	15	2	14	10	
PROJEC ²	T NO: 100	00 20 83		HWY: USH 18			CC	DUNTY: DANE		MIC	SCELLANEOU	IS OLIANITI	TIEQ			SHEE	T:

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Dane U	SH 18 W	estbound						637.1220 Sign	637.2220 Sign	638.2601 Removing	638.3100 Removing	635.9020.S Sign Supports Replacing	635.9010.S Sign Supports	Comments
Sign Number	Route	PLM	Location	Sign Code and Description	Width	Height	Order Lines	Type I Reflective SH SF	Type II Reflective SH SF	Signs Type I EACH	Structural Steel Sign Supports EACH	Base Connection Bolts Legacy System EACH	Shorten Structural Steel EACH	
	USH 18	Off Ramp to Exit 75		E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 75	22.5						
SW-18-19	Westbound	34.72	Right	E4-1-A Exit Direction Sign with Arrow	240	90	G Mt Vernon [TR]	150		1		1		
SW-18-20	USH 18 Westbound	Spring Rose Rd 35.92	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	192	84	Mt Horeb 5 Dodgeville 27 Dubuque 75	112		1		1		Changed Mileage
	1101140			E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 70	22.5						
SW-18-21	USH 18 Westbound	Despins Ln 38.99	Right	E1-1-A Advance Exit Guide Sign, Mile	228	120	PD TO P Cross Plains EXIT 1/2 Mile	190		1		1	2	
	USH 18	Off Ramp to Exit 70		E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 70	22.5						
SW-18-22	Westbound	39.46	Right	E4-1-A Exit Direction Sign with Arrow	264	90	P TO PD TR Cross Plains	165		1		1	2	
				E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 69	22.5						
SW-18-23	USH 18 On Ramp from Exit 70 Right Westbound 40.47 Right E1-1-A Advance Exit Guide Sign, N				180	126	ID TO 92 Mt Horeb EXIT 1 MILE	157.5		1		1	2	
SW-18-24	USH 18 Westbound	Off Ramp to Exit 69 41.12	Right	E3-1 Destination - Next Right - Exit Number	180	84	Military Ridge State Trail EXIT 69	105		1		1		
SW-18-25	USH 18	Off Ramp to Exit 69			108	30	Exit 69 ID to 92 [TR]	22.5		1		1	2	
	Westbound	41.28	rugiit	E1-1-A Advance Exit Guide Sign, Mile	216	96	Mt Horeb	144		'		' 	2	
SW-18-26	USH 18 Westbound	On Ramp from Exit 69 42.09	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	180	84	Barneveld 10 Dodgeville 21 Dubuque 69	105		1		1		added Barneveld
				E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 65	22.5						
SW-18-27	USH 18 Westbound	Off Ramp to Exit 65 44.05	Right	E1-1-A Advance Exit Guide Sign, Mile	264	162	78 Mt Horeb Blanchardville 1/2 MILE	297		1		1		
			Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 65	22.5						
SW-18-28	USH 18 Westbound	Off Ramp to Exit 65 44.54	Right	E4-1-A Exit Direction Sign with Arrow	288	132	78 Mt Horeb [TR] Blanchardville	264		1		1		
SW-18-29	USH 18 Westbound	Cth E 45.67	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	180	84	Barneveld 6 Dodgeville 18 Dubuque 65	105		1		1		line 1 changed to Barneveld
SW-18-30 Vacant														
SW-18-31	USH 18 Westbound	Cave Of The Mounds Rd 47.88	Right	E3-1 Destination - Next Right - Exit Number	156	132	Blue Mound State Park Brigham County Park NEXT RIGHT	143		1		1		
SW-18-32	18-32 USH 18 Cth F Westbound 48.48 Right D2-3 Destination/Distance (Three) with Die Cut L			D2-3 Destination/Distance (Three) with Die Cut Letters	180	84	Barneveld 3 Dodgeville 15 Dubuque 62	105		1		1		Changed Mileage
	1	<u> </u>		ı			TOTAL	2200	0	13	0	13	8	

MISCELLANEOUS QUANTITIES

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

COUNTY: DANE

HWY: USH 18

PROJECT NO: 1000-20-83

3

13

Marathon County

ALL ITEMS CATEGORY 0010

Location	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	531.2024 Drilling Shaft 24-Inch LF		635.0200 Sign Supports Structural Steel HS LBS		637.1230 Sign Type I Reflective F SF	637.2210 Sign Type II Reflective H SF	638.2601	638.2602 Removing Signs Type II EACH	638.3000 Removing Small Sign Supports EACH		635.9010.S Sign Supports Shorten Structural Steel EACH	Construction	650.6501 Construction Staking Structure Layout 02. S-37-165 EACH	SPV.0060.01 Traffic Control Special EACH	619.1000 Mobilization EACH
USH 51	6	906	51	5	3136	1813.50	203.00	49.50	14	6	6	6	6	1	1		
USH 51 Business				5				54.50		9	5						
STH 52				18				249.50	1	21	27						
STH 29						1048.50	155.00		5								
Wausau Local				54				624.56		29	27						
1009-43-70																0.25	0.25
Total	6	906	51	82	3136	2862.00	358.00	978.06	20	65	65	6	6	1	1	0.25	0.25

PROJECT NO: 1009-43-70 HWY: USH 51 COUNTY: MARATHON MISCELLANEOUS QUANTITIES SHEET: **E**

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

Maratho Sign	n U SH 51								531,1100 Concrete Masonry Ancillary	531.1140 Steel Reinforcement HS Ancillary Structures	531.2000 Drilling Shaft 24-Inch	634.0618 Posts Wood 4x6-In x	635.0200 Sign Supports Structural	635.9010.5 Sign Supports Shorten	637.1220 Sign Type I Reflective	637.1230 Sign Type I Reflective	637.2210 Sign Type II Reflective	Removing Signs	Removing Signs	638.3000 Removing Small Sign	638.3100 Removing Structural Steel Sign	
Number	Route	PLM/MM	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	Structures Type NS CY	Type NS LBS	LF	18-FT EACH	Steel HS LBS	Structural Steel EACH	SH SF	F SF	Н 5F	Type [ACH	Type 13 EACH	Supports EACH	Supports EACH	
					E1 5P Exit Number	108	30	EXIT 1 93							22.5							
NC-51-1	USH 51 Northbound	Bridge St 4.87	Bridge St	OVERHEAD	E6-1 Advanced Exit Guide Sign	168	84	BRIDGES™							98			1				ON STRUCTURE S-37-164
					£11-1E Exit (Single Down Arrow) Only	168	36	EXITONLY								42						
					E1 5P Exit Number	108	30	EXIT 19 3							22.5							
NC-51-2	USH 51 Northbound	Bridge St 5.02	Bridge St	OVERHEAD	56-1 Advanced Exit Guide Sign	168	84	BRIDGES™							98			1				ON STRUCTURE \$-37-165
					E11-1E Exit (Double Rt Dia Arrows) Only	168	48	EXIT ONLY								56						
	USH 51	l			E1-SP Exit Number	108	30	EXIT 193							22.5						_	l
NC 51 5	Southbound	194.8	Bridge St	MEDIAN	E1-1 A Advance Exit Guide Sign, Mile	180	126	3RIDGE ST 1 1/4 MILES	2	302	17		1082		157.5			1			2	W10x22
	USH 5.1	CTH U			F8-1 Sec. Sign - City Name - Name-			52 BRIDGE ST 1/4														
NC-51- 6	Southbound	122.68	C_H ^	OVERHEAD	Highways - Miles	216	90	Stewart Ave 1							135			1				5-37-64
	USH 51	Bridge St			E1-5P Exit Number	108	30	29 West 1 1/4 EXIT 193							22.5							
NC-51-7	Southbound	I I	Bridge St	R1	E4-1A Exit Direction Sign with Arrow		96	BR: DGE ST [TR]	2	302	17		977		152			1			2	W10x22
					E1-5P Exit Number	108	30	EXIT 192							22.5							
NC-51-8	USH 51 Southbound	Bridge St 123.17	Bridge St	RT	E 1-1 A Advance Exit Guide Sign, Mile	180	66	STEWART AVE						2	82.5			1				CUT I-BEAMS
								1/2 Mile Stewart Ave 1/4							<u> </u>							
NC-51-11	USH 51	Bridge St	Bridge St	OVERHEAD	E8-1 Sec. Sign - City Name - Name-	264	90	29 West 1/4							165			1				S-37-65
WC 31 11	Southbound	123.48	Bridge St	0121111348	Highways - Miles	204	50	NN North Mtn Rd 2 1/4							103			1] 33, 33
-	LICH 5.1	D-:			E1-5P Exit Number	108	30	EXIT 192							22.5							
NC-51-12	USH 51 Southbound	Bridge St 123.6	Bridge St	OVERHEAD	E6-1 Advanced Exit Guide Sign	180	42	STEWART AVE							52.5			1				S-37- 6 6
	30000000000	123.0			E11-1 Exit (Single Down Arrow) Only	180	36	EXIT [TR] ONLY								45			ļ			
	USH 51				E8-1 Secl. Sign - City Name - Name-			29 West 1/4														
NC-51-13	Northbound	191	57H 29	LT	Highways - Miles	204	90	Sherman St 1/2							127.5			1				5-37-58
		\vdash			E1-5P Exit Number	100	30	Stewart Ave 1						-	725				-			
NC-51-14	U\$H 51	191.6	STH 29	OVERHEAD		108	l	Exit 192 Stewart Ave						2	22.5			1				CUT I-BEAMS
	Northbound	151.0	323	0721111310	£1-1A Advance Exit Guide Sign, Mile	180	66	1/4 Mile							82.5			_				00113214113
	U5H 5 1			05050	E1-5P Exit Number	108	30	Exit 192							22.5			_				0
NC-51-15	Northbound	192	STH 29	OVERHEAD	E4-1A Exit Direction Sign with Arrow	1	48	Stewart Ave [TR]						2	76			1				CUT I-BEAMS
	USH 51				E8-1 Sec., Sign - City Name - Name-			52 Bridge St 3/4														
NC-51-16	USH 51 Northbound	192.2	STH 52	LT	Highways - Miles	228	96	K U 80s 5 1 2 WW 4 1/2							152			1				S-37-6 1
					E1-5P Exit Number	108	30	Exit 193							22.5							
NC-51-17	USH 5 1 Northbound	51H 52	S ⁻ H 52	RT	E1-51A Advance Exit Guide Sign, Exit			52	2	302	17		1082					1			2	W10x22
	Northbound	4.46			Mile	180	126	Bridge St							1 57.5							
		+			E1-5P Exit Number	100	30	3/4 Mile	-						325			-	 	1	-	-
	USH 51				E1-5P EXIT NUMBER E6-1 Advanced Exit Guide Sign	108 180	30 42	Exit 192 Stew ar t Ave							22.5 52.5							
NC-51-18	USH 51 Southbound	192.8	ST H 52	OVERHEAD	E11-1E Exit (Double Rt Dia Arrows) Only	180	48	(TR) Exit Only (TR)							32.3	60		1				S-37-82

HWY: STH 52

COUNTY: MARATHON

PLOT BY: JESSICA LEWIS, PE

MISCELLANEOUS QUANTITIES

PLOT NAME :

PLOT SCALE : 1" = 1'

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PROJECT NO: 1009-43-70

SHEET

4																					
	Maratho	n USH 51	1		1 1	. 1		531.1100 Concrete Masonry	531.1140 Steel Reinforcement	531.2000	634.0618 Posts Wood	635.0200 Sign	635.9010.S Sign Supports	Sign	637.1230 5ign	Sign	638.2601 Removing	638.2602 Removing	638.3000 Removing		
	Sign Number	Route	Location	Sign Code and Description	Width	Height	Order Lines	Ancillary Structures Type NS CY	HS Ancillary Structures Type NS LBS	Drilling Shaft 24-Inch LF	4x6-In x 18-FI EACH	Supports Structural Steel HS LBS	Shorten Structural Steel EACH	Type I Reflective SH SF	Type I Reflective F SF	Type II Reflective H SH	Signs Type I EACH	Signs Type II EACH	Small Sign Supports EACH	Steel Sign Supports EACH	Comments
	NC-51-20	USH 51 Southbound	RT	J3-1 24Wx57H Directional Assembly {1 Headed Route Panel}	24	57	EAS ⁻ 52 [LT]				1					9.50					
	NC-51-21	USH 51 Southbound	RT	J2-1 24Wx5 /H Route Turn Assembly (1 Head Panel) 24Wx57H Route Turn Assembly (1 Head Panel)	24	57	EAS" 52 [LA]				1					9.50					
	NC-51-22	USH 51 Northbound Off Ramp	RT	J2-1 24Wx57H Route Turn Assemb y (1 Head Pane)	24	57	EAST 52 [RA]				1					9.50					
	NC 51 23	USH 51 Northbound Off Ramp	RT	J3-1 24Wx57H Directional Assembly {1 Headed Route Panel}	24	57	EAS ⁺ 52 [RT]				1					9.50					
	NC-51-24	USH 51 Southbound Off Ramp	RT	J3-2 48Wx57H Directional Assembly (2Headed Route Panel)			FAST WEST 52 52 [LT] [RT]											1	1		
	NC 51 25	USH 51 Southbound Off Ramp	LT	J3-1 24Wx57H Directional Assembly (1 Headed Route Panel)			EAS1 52 [LA]											1	1		
	NC-51-26	USH 51 Southbound Off Ramp	RA	J33 1 24Wx69H Trailblazer Directional WITH Cardinal	2%	69	10 WES ⁻ 29 (UA)				1					11.50		1	1		
	NC-51-27	USH51 Northbound Off Ramp	RT	J3-1 24Wx57H Directiona. Assembly (1 Headed Route Panel)			EAST 52 [RA]											1	1		
	NC-51-28	USH 51 Northbound Off Ramp	LT	J3-1 24Wx57H Directional Assembly (1 Headed Route Panel)			WEST 52 [LA]											1	1		
	NC-51-29	USH 51 Northbound Off Ramp	Li	J3-2 48Wx57H Directional Assembly (2Headed Route Panel)			WEST EAST 52 52 (LT) [RT]											1	1		
							Total	6	906	51	S	3136	6	1813.5	203	49.5	14	6	6	6	

SHEET E HWY: STH 52 COUNTY: MARATHON PROJECT NO: 1009-43-70 MISCELLANEOUS QUANTITIES PLOT DATE : 11/29/2023 11:30 AM

FILE NAME: C:\OD\CORRE, INC\PROJECTS - WI-NC REGION\6999-00-12_STH 52_MARATHON CO\500_CADD\501_C3D_2022\6999-00-12\SHEETS\030201-MQ.DWG LAYOUT NAME - 03

PLOT BY: JESSICA LEWIS, PE

PLOT NAME :

PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

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J
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Marathon Sign Number	USH 51 Busine	ss Location	Sign Code and Description	Width	Height	Order Lines	634.0618 Posts Wood 4x6-In x 18 FT FACH	637.2210 Sign Type II Reflective H SF	638.2602 Removing Signs Type II EACH	638.3000 Removing Small Sign Supports FACH	Comments
NC-B51-1	Washington St Eastbound	RT OVERHEAD	JV Any Vertically Configured J-Panel			EAST SOUTH 52 BUSINESS 52 51 [UA] [UA]			1		CITY OWNED STRUCTURE
NC B51 2	Washington St Eastbound	RT	JV Any Vertically Configured J Panel			52 SOUTH BUSINESS			1		ON SIGNAL POLE
NC-B51-3	Washington St Eastbound	LT	JV Any Vertically Configured J-Panel			EAST SOUTH S.2 BUSINESS [RA] 51 [RA] [RA]			1	1	
NC-B51-4	Forest St Eastbound	RT	JV Any Vertically Configured J-Panel			SOUTH BUSINESS 51 [RB]			1		ON SIGN STRUCTURE
NC-B51-5	Forest St Fastbound	LT	JV Any Vertically Configured J-Panel			EAST NORTH 52 BUSINESS 51 [LB] [LB]			1		ON SIGN STRUCTURE
NC- B 51-6	Forest St Eastbound	RT	JV Any Vertically Configured J-Panel			NORTH SOUTH BUSINESS BUSINESS 51 51 [TL] [TR]			1	1	
NC- B 51-7	Forest St Eastbound	RT	J3-1 24Wx57H Directional Assembly (1 Headed Route Panel)			EAS1 52 [TL]			1	1	
NC-B51-8	Grand Ave Northbound	LT	JV Any Vertically Configured J-Panel			FAST NORTH 52 BUSINESS [TR] TR]			1	1	
NC- B 51- 9	Grand Ave Northbound	RT	J1-1 24Wx39H Junction or End Assembly			JCT 52			1	1	ON LIGHT POLE
NC-B51-10	Grand Ave Southbound	RT	J1 1 24Wx39H Junction or End Assembly			JCT BUSINESS 51	1	8.50			
NC-B51-11	Grand Ave Southbound	RT	J33-2 48Wx69H Trailblazer Directional WITH Cardinal	48	69	SOUTH NORTH BUSINESS BUSINESS 51 51 [UA] [RA]	2	23.00			
NC-B51-12	Grand Ave Northbound	RT	J33-1 24Wx69H Trailb azer Directional WI1H Cardinal	24	69	NORTH BUSINESS 51 [LA]	1	11.50			
NC-B51-13	Grand Ave Northbound	RT	I32-1 24Wx69H Trailblazer Advance Turn WITH Cardinal	24	69	NORTH BUSINESS 51 [LT]	1	11.50			
						Total	5	54.50	9	5	

HWY: STH 52 E COUNTY: MARATHON MISCELLANEOUS QUANTITIES SHEET PROJECT NO: 1009-43-70

Marathon	STH 52						634.0618	637.2210	420.2404		638.3000	
Sign N umber	Route	Location	Sign Code and Description	Width	Height	Order Lines	Posts Wood 4x6-In x 18-FT EACH	Sign Type II Reflective II SF	638.2601 Removing Signs Type I EACH	638.2602 Removing Signs Type II EACH	Removing Small Sign Supports EACH	Comments
NC 52 1	HWY52 PRKWY Northbound	RT	24Wx45H Hospital Assembly with Arrow	24	45	HOSPITAL ARROW (BLUE)	1	7.50		1	2	
NC-52-2	HWY52 PRKWY Northbound	RT	JV Any Verically Configured J-Pane	48	48	TO FAST 51 29	1	16.00		1	2	
NC-52-3	HWY 52 PRKWY Westbound	RT	J3 1 24Wx57H Directional Assembly (1 Headed Route Panel)	24	57	WEST 29 [UA]	1	9.50		1	1	
NC-52-4	HWY52 PRKWY Westbound	RT	J32-1 24Wx69H Trailblazer Advance Turn WITH Cardinal	24	69	TO WEST 29 [UA]	1	11.50		1	1	
NC-52-5	HWY 52 PRKWY Eastbound	RT	J33-1 24Wx69H Trailblazer Directional WITH Cardinal	24	69	TO EAST 29 [UA]	1	11.50		1	1	BUS STOP SIGN ON EXISTING POST
NC-52-6	HWY 52 PRKWY Westbound	RT	JV Any Verically Configured J-Pane	48	69	TO WEST 29 JCT [UA] COUNTY R	1	23.00		1	2	
NC-52-7	HWY 52 PRKWY Eastpound	RT	J32-3-72Wx69H Trailblazer Advance Turn WITH Cardinal	72	69	TO NORTH SOUTH EAST 51 51 29 [UA] [RT] [RT]	2	34.50		1	2	
NC-52-8	HWY52 PRKWY Westbound	RT	J32 1 24Wx69H Trailblazer Advance Turn WITH Cardinal	24	69	TO WEST 29 [UA]	1	11.50		1	2	
NC 52 11	HWY 52 PRKWY Eastbound	RT	IZ-1 24Wx57H Route Turn Assemb y (1 Head Pane)	24	57	NOR H 51 [LT]	1	9.50		1	1	

HWY: STH 52 SHEET COUNTY: MARATHON PROJECT NO: 1009-43-70 MISCELLANEOUS QUANTITIES

Marathon	STH 52						634.0618	637.2210			638.3000	
Sign Number	Route	Location	Sign Code and Description	Width	Height	Order Lines	Posts Wood 4x6-In x 18-FT EACH	Sign Type II Reflective II	638.2601 Removing Signs Type I EACH	638.2602 Removing Signs Type II EACH	Removing Small Sign Supports EACH	Comments
NC-52-13	HWY 52 PRKWY Westbound	RT	I4-1 24Wx36H Reassurance Assembly (1 Headed Route Pane)			WEST 52				1	1	
NC-52-15	Stewart Ave Eastbound	RT	J4 1 24Wx36H Reassurance Assembly (1 Headed Route Pane)			EAS 52				1	1	ATTACHED TO EXISTING FOLDING SIGN
NC-52-18	HWY 52 PRKWY Westbound	RT	14-1 24Wx36H Reassurance Assembly (1 Headed Route Pane)			WFST 52				1		HOSPITAL SIGN TO REMAIN IN PLACE
NC 52 20	HWY 52 PRKWY Westbound	RT	J4-1 24Wx36H Reassurance Assembly (1 Headed Route Pane)			WEST 52				1	1	
NC-52-21	Stewart Ave Fastbound	RT	J4 1 24Wx36H Reassurance Assembly (1 Headed Route Pane)			EAS ⁺ 52				1	1	
NC-52-22	Stewart Ave Westbound	RT	IA-1 24Wx36H Reassurance Assembly (1 Headed Route Pane)			WEST 52				1	1	
NC-52-23	Stewart Ave Fastbound	18	J32 2 48Wx69H Trailblazer Advance Turn WITH Cardinal	48	69	NORTH SOUTH BUSINESS BUSINESS 51 51 [UA] [RT]	2	23.00				
NC 52 24	Stewart Ave Eastbound	RT	J33-2 48Wx69H Trailblazer Directional WHH Cardinal	48	69	NORTH SOUTH BUSINESS BUSINESS 51 51 [UA] [RA]	2	23.00				
NC 52 26	Stewart Ave Eastbound	RT	J32-1 24Wx69H Trailblazer Advance Turn WITH Cardinal	24	69	NORTH BUSINESS 51 (LT)	1	11.50				
NC 52 27	Stewart Ave Westbound	RT	J33-1 24Wx69H Trailblazer Directional WHH Cardinal	24	69	SOUTH BUSINESS 51 [LA]	1	11.50				
NC 52 28	Stewart Ave Westbound	MEDIAN	J33-1 24Wx69H Trailblazer Directional WHH Cardinal	24	69	SOUTH BUSINESS 51 [LA]	1	11.50				
NC-52-29	Stewart Ave Eastbound	RT	J32-2 48Wx69H Trailblazer Advance Turn WITH Cardinal			NORTH SOUTH BUS BUS 51 51 [LT] [UA]				1	2	
NC-52-30	Stewart Ave Westbound	RT	I4-1 24Wx36H Reassurance Assembly (1 Headed Route Pane)			WEST 52				1	1	

SHEET HWY: STH 52 COUNTY: MARATHON PROJECT NO: 1009-43-70 MISCELLANEOUS QUANTITIES

Mar	athon	2	ΙН	57

Sign Number	Route	Location	Sign Code and Description	Width	Height	Order Lines	634.0618 Posts Wood 4x6-In x 18-FT EACH	637.2210 Sign Type II Reflective H SF	638.2601 Removing Signs Type I EACH	638.2602 Removing Signs Type II EACH	638.3000 Removing Small Sign Supports EACH	Comments
NC 52 31	Stewart Ave Eastbound	RT	J33-1 24Wx69H Trailblazer Directional WITH Cardinal	24	69	NOR ⁺ H BUSINESS 51 [LA]	1	11.50		1	2	
NC 52 32	Stewart Ave Eastbound	RT	JV Any Verically Configured J Pane			SOUTH EAST BUS 52 51				1	2	
NC-52-33	Stewart Ave Westbound	LT	J3-1 24Wx57H Directional Assembly (1 Headed Route Panel)			WEST 52				1	1	
NC-52-35	Stewart Ave Westbound	RT	J32-2 48Wx69H Trailblazer Advance Turn WITH Cardinal	48	69	SOUTH NORTH BUSINESS BUSINESS 51 51 [UA] [RT]		23.00		1		ON LIGHT POLE
NC-52-36	Stewart Ave Eastbound	OVERHEAD				BUS 52 51 AHEAD			1			
						lotal	18	249.50	1	21	27	

SHEET Ε HWY: STH 52 COUNTY: MARATHON PROJECT NO: 1009-43-70 MISCELLANEOUS QUANTITIES

Marathon	STH 29								637.1220 Sign	637.1230 Sign	638.2601 Removing Signs	
Sign N umber	Route	ММ	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	Type I Reflective SH SF	Type I Reflective F SF	Type I EACH	Comments
NC-29-1	STH 29 EASTBOUND	163.6	USH 51	LT	E8 1 Seq. Sign - City Name - Name Highways - Miles	276	90	Stewart Ave 3/4 NN North Mtn Rd 2 3/4 N Rib Mtn Dr 4 1/2	172.5			
	STH 29				F1-5P Fxit Number E6-1 Advanced Exit Guide Sign	156 168	30 114	FXIT 164 Λ-B 51 North Wausau	32.5 133			ON EXISTING
NC 29 2	EASTBOUND	164.3	USH 51	OVERHEAD	E11-1E Exit (Single Down Arrow) Only	168	36	Merrill Exit (TR) Only	133	A2	1	STRUCTURE S-37-39
					E1-5P [xit Number	156	30	EXIT 164 A-B 51 North	32.5			
NC-29-3	STH 29 EASTBOUND	164.5	USH 51	OVERHEAD	E6-1 Advanced Exit Guide Sign	192	114	Wausau Merrill	152		1	ON EXISTING STRUCTURF 5-37-70
					F11-1F Fxit (Double Rt Dia Arrows) Only	192	48	TR Exit Only TR		64.0		
NC 29 4	USH 51/STH 52	164.7	USH 51	LT	F1-SAP Left	60	24	LFFT	10			
MC 53 7	Ramp Eastbound	164.7	03H 21	L	E6-1 Advanced Exit Guide Sign	120	60	Stewart Avenue	50		1	
	USH 51/STH 52				F1-5BP Direction and Fx't Number	132	48	L eſŧ EXIT 164 A	44			
NC-29-6	Ramp	164.9	USH 51	OVERHEAD	F6-1 Advanced Fxit Guide Sign	168	42	WAUSAU	49		1	
	Eastbound				E11-1D Exit (Single Lt Dia Arrow) Only	168	42	Exit (TR) Only		49.0		
NC-29-19	STH 29 EASTBOUND	161	U5H 51	LT	F8-1 Seq. Sign - City Name - Name- Highways - Miles	264	90	72nd Ave 1 1/4 Stewart Ave NN North Mtn Rd 5 1/2	165			
NC-29-20	STH 29 FASTBOUND	163.1	USH 51	RI	E1-5P Exit Number E1-51-A Advance Exit Guide Sign, Exit	156	192	EXIT 164 A-B 51 52 Wausau Merril	208		1	
					Mile			1 1/4 Miles				
				-				Total	1048.5	155.0	5	

HWY: STH 52 COUNTY: MARATHON MISCELLANEOUS QUANTITIES SHEET PROJECT NO: 1009-43-70

Wausau Lo	ocal Streets						634.0618	637.2210	638.2602	638.3000	
Sign N umber	Route	Location	Sign Code and Description	Width	Height	Order Lines	Posts Wood 4x6-In x 18 FT FACH	Sign Type II Reflective H SF	Removing Signs Type II EACH	Removing Small Sign Supports FACH	Comments
NC-5A-1	Stewart Ave Eastbound	RT	J3-2 48Wx57H Directiona. Assembly (2 Headed Panel)	48	57	TO WEST 51 29 [LT] [RT]	1	19.00	1	2	
NC-5A-2	Stewart Ave Westbound	LT	J3-1 24Wx57H Directional Assembly (1 Headed Route Panel)	24	57	WEST 29 [LA]	1	9.50	1	11	
NC-1A-1	N 1st Ave Northbound	LT	J3-2 48Wx57H Directiona. Assembly (2 Headed Panel)	48	57	WEST EAST 52 52 [LA] [RA]	1	19.00			
NC-1A-2	N 1st Ave Northbound	Ri	J3-2 48Wx57H Directiona. Assembly (2 Headed Panel)	۷8	5/	WES" EAST 52 52 [LA] [RA]	1	19.00			
NC-1A-3	N 1st Ave Northbound	LT	J1-1 24Wx39H Junction or End Assembly	24	39	ICT 52	1	6.50			
NC-1A-4	N 1st Ave Northbound	RT	J1-1 24Wx39H Junction or End Assembly	24	39	JCT 52	1	6.50			
NC-1A-5	N 1st Ave Northbound	Ri	JV Any Vertically Configured J-Pane	24	48	NORTH BUSINESS 51	1	8.00			
NC-1A-6	N 1st Ave Northbound	RT	J4-1 24Wx36H Reassurance Assembly (1 Headed Route Pane.)	24	48	NORTH BUSINESS 51	1	8.00			
NC-3A-1	N 3rd Ave Northbound	LT	J1-1 24Wx39H Junction or End Assembly	24	39	JC1 52	1	6.50			
NC 3A 2	N 3rd Ave Northbound	RT	J1-1 24Wx39H Junction or End Assembly	24	39	JCT 52	1	6.50			
NC-3A-3	N 3rd Ave Northbound	LT	J3-2 48Wx57H Directional Assembly (2 Headed Panel)	48	57	WEST EAST 52 52 [LA] [RA]	1	19.00			
NC-3A-4	N 3rd Ave Northbound	RT	J3-2 48Wx57H Directional Assembly (2 Headed Panel)	48	57	WEST EAST 52 52 [LA] [RA]	1	19.00			
NC-3A-5	3rd Avenue Southbound	RT	J3-1 24Wx57H Directional Assembly (1 Headed Route Panel)			WEST 52 USE RIGHT LANE			1		

PROJECT NO: 1009-43-70 HWY: STH 52 COUNTY: MARATHON MISCELLANEOUS QUANTITIES SHEET **E**

Wausau Le	ocal Streets						634.0618	637.2210		638.3000	
Sign Number	Route	Location	Sign Code and Description	Width	Height	Order Lines	Posts Wood 4x6-In x 18 FT FACH	Sign Type II Reflective H SF	638.2602 Removing Signs Type II EACH	Removing Small Sign Supports FACH	Comments
	3rd Avenue					EAST BUSINESS					
NC-3A-6	Southbourd	Lſ	JV Any Vertically Configured J-Panel			52 51 BLANK USE LEFT LANE			1	2	
NC 3A 7	3rd Avenue Southbound	LT				EAST BUSINESS 52 51 [LT] [LT]			1		ON OVERHEAD SIGN SUPPORT
NC-3A-8	3rd Avenue Southbound	RI	J33 1 24Wx69H Trailplazer Directional WITH Cardinal	24	69	SOUTH BUSINESS 51 [UA]		11.50	1		ON OVERHEAD SIGN SUPPORT
NC-3A-9	3rd Avenue Southbound	RT	JV Any Vertically Configured J-Panel	24	48	SOUTH BUSINESS 51	1	8.00			
NC-3A-10	3rd Avenue Southbourd	RT	J32-1 24Wx69H Trailblazer Advance Turn WITH Cardinal	24	69	SOUTH BUSINESS 51 [LT]	1	11.50			
NC 3A 11	3rd Avenue Southbound	RT	J33-1 24Wx69H Trailplazer Directional WITH Cardinal	24	69	SOUTH BUSINESS 51 (LA)	1	11.50			
NC-17A-1	S 17th Avenue Northbound	RT	J3-1 24Wx57H Directional Assembly (1 Headed Route Panel)			FAST 52 [RA]			1		ON EXISTING WOOD POLF
NC 18A 1	S 18th Avenue Northbound	RT	13-1-24Wx57H Directional Assembly (1 Headed Route Panel)			EAST 5 2 [RA]			1	٠.	
NC-28A-1	28th Ave Southbound	RT	J2-3 72Wx57H Route Turn Assembly (3 Headed Route Panel)	72	57	TO EAST WEST 51 29 29 [LA] [LA] [RA]	2	28.50	1	2	
NC-28A-2	28th Ave Southbound	RT	J3-3 72Wx57H Directional Assembly (3 Headed Pane)	72	57	TO EAST WEST 51 29 29 [LT] [LT] [RT]	2	28.50	1	2	
NC-28A-3	28th Ave Northbound	MEDIAN	J33-1 24Wx69H Trailplazer Directional WHH Cardinal	24	69	TO WEST 29 [LT]	1	11.50	1	1	
NC-28A-4	28th Ave Northbound	RT	J33-2 48 Wx 69 H Trail blazer Directional WITH Cardinal	48	69	TO EAST 51 29 [RA] [RA]	7	23.00	1	2	
						[RA] [RA]					

SHEET E HWY: STH 52 COUNTY: MARATHON PROJECT NO: 1009-43-70 MISCELLANEOUS QUANTITIES

Wausau Lo	ocal Streets						634.0618	637.2210	638.2602	638.3000	
Sign Number	Route	Location	Sign Code and Description	Width	Height	Order Lines	Posts Wood 4x6-In x 18-FI EACH	Sign Type II Reflective H SF	Removing Signs Type II EACH	Removing Small Sign Supports EACH	Comments
NC-BS-1	Bridge St Westbound	R1	J1 1 24Wx39H Junction or End Assembly	24	36	END 52	1	6.00			
NC-BS-2	Bridge St East bound	RT	J4-1 24Wx36H Reassurance Assembly (1 Headed Route Panel)	24	36	EAST 52	1	6.00			
NC-BS-3	Bridge St East bound	RT	J32-2 48Wx69H Trailbizer Advance Turn WITH Cardinal	48	69	NORTH SOUTH BUSINESS BUSINESS 51 51 [UA] [RT]	2	23.00			
NC-BS-4	Bridge St Westbound	RT	J4-1 24Wx36H Reassurance Assembly (1 Headed Route Panel)	24	36	WEST 52	1	6.00			
NC BS 5	Bridge St East bound	RT	J33-2 48Wx69H Trailblazer Directional WITH Cardinal	48	69	NORTH SOUTH BUSINESS BUSINESS 51 51 [UA] [RA]	2	23.00			
NC-BS-6	Bridge St Eastbound	RT	J33-1 24Wx69H Trailblazer Directional WJTH Cardinal	24	69	SOUTH BUSINESS 51 ILAI	1	11.50			
NC-BS-7	Bridge St East bound	R1	J32 1 24Wx69H Trailbiazer Advance Turn WITH Cardinal	24	69	NORTH BUSINESS 51 [LT]	1	11.50			
NC-BS-8	Bridge St Westbound	RT	J32-1 24Wx69H Trailblazer Advance Furn WICH Cardinal	24	69	SOUTH BUSINESS 51 [LT]	1	11.50			
NC-BS-9	Bridge St Eastbound	RT	J33-1 24Wx69H Trailblazer Directional WITH Cardinal	24	69	NORTH BUSINESS 51 [LT]	1	11.50			
NC-BS-10	Bridge St Westbound	RT	J33-2-48Wx69H Trailblazer Directional WITH Cardinal	48	69	SOUTH NORTH BUSINESS BUSINESS 51 51 [UA] [RA]	2	23.00			
NC-BS-11	Bridge St East pound	RT	J4-1 24Wx36H Reassurance Assembly (1 Headed Route Panel)	24	36	EAST 52	1	6.00			

SHEET E HWY: STH 52 COUNTY: MARATHON PROJECT NO: 1009-43-70 MISCELLANEOUS QUANTITIES

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Wausau Local Streets								637.2210		638.3000	
Sign Number	Route	Location	Sign Code and Description	Width	Height	Order Lines	634.0618 Posts Wood 4x6-In x 18 FT FACH	Sign Type II Reflective H	638.2602 Removing Signs Type II EACH	Removing Small Sign Supports FACH	Comments
NC-BS-12	Bridge St Westbound	RT	J32-2 48Wx69H Trailbizer Advance Turn WITH Cardinal	48	69	SOUTH NORTH BUSINESS BUSINESS 51 51 [UA] [RT]	2	23.00			
NC-BS-13	Bridge St Westbound	RT	J4-1 24Wx36H Reassurance Assembly (1 Headed Route Panel)	24	36	WEST 52	-	6.00			
NC BS 14	Bridge St Eastbound	RT	J2-1 24Wx57H Route Turn Assembly (1 Head Panel)	24	57	FAST 52 [LT]	-	9.50			
NC-BS-15	Bridge St Eastbound	RI	J3-1 24Wx57H Directional Assembly (1 Headed Route Panel)	24	57	EAST 52 [LA]	1	9.50			
NC-BS-16	Bridge St Eastbound	LT	J3-1 24Wx57H Directional Assembly (1 Headed Route Panel)	24	57	FAST 52 [LA]	1	9 .50			
NC-SS-1	Scott St Westbound	RI	JV Any Vertically Configured J-Panel			NORTH BUSINESS WEST 51 52 [UA] [UA]			1	2	
NC-SS-2	Scott St Westbound	RT	JV Any Vertically Configured J-Panel			NORTH BUSINESS WEST 51 52			1	2	
NC SS 3	Scott St Westbound	RT	JV Any Vertically Configured J Panel			NORTH BUSINESS WEST 51 52			1	2	
NC-TS-1	W Thompson St Eastbound	RT	JV Any Vertically Configured J-Panel	24	48	SOUTH BUSINESS 51	:	8.00			
NC TS 2	W Thompson St Westbound	RT	I33-1 24 Wx 69 H Trailblazer Directional WITH Cardinal	24	69	NORTH BUSINFSS 51 [RA]		11.50			
NC-15-3	W Thomoson St Westbound	RI	J32 1 24Wx69H Trailbiazer Advance Turn WITH Cardinal	24	69	NORTH BUSINESS 51 [RT]	1	11.50			
NC-TS-4	W Thompson St Eastbourd	RT	J32-1 24Wx69H Trailblazer Advance Turn WITH Cardinal	24	69	SOUTH BUSINESS 51 [RT]	2	11.50			
NC-TS-5	W Thompson St Westbound	RT	JV Any Vertically Configured J-Panel	24	48	NORTH BUSINESS 51		8.00			

SHEET HWY: STH 52 COUNTY: MARATHON PROJECT NO: 1009-43-70 MISCELLANEOUS QUANTITIES

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Wausau Local Streets							634.0618	637.2210	638.2602	638.3000	
Sign Number	Route	Location	Sign Code and Description	Width	Height	Order Lines	Posts Wood 4x6-In x 18 FT FACH	Sign Type II Reflective H SF	Removing Signs Type II EACH	Removing Small Sign Supports FACH	Comments
NC-TS-6	W Thompson St Eastbound	RT	J33-1 24Wx69H irailolazer Directional WITH Cardinal	24	69	SOUTH BUSINESS 51 [RA]	1	11.50	1		ON LIGHT POLE
NC-15-1	1st 5t Southbourd	RT	JV Any Vertica y Configured J-Panel			52 BUSINESS 51 (RA)			1		ON SIGNAL POLE
NC-3S-1	N 3rd St Southbourd	RT	M6-1	21	21	ARROW		3.06			ADD TO EXISTING SIGN POST
NC-SS-1	N 5th St Southbourd	RT	J2 1 24Wx57H Route Turn Assembly (1 Head Panel)	24	57	WFST 52 [RT]	1	9.50			
NC 55 2	N 5th St Southbound	RT	J3-1 24Wx57H Directional Assembly (1 Headed Route Panel)	24	5 7	WEST 52 [RA]	1	9.50			
NC-5S-3	N 5th St Southbound	RT	J2-1 24Wx57H Route Turn Assembly (1 Head Panel)			WEST 52 [UA]			1		ON LIGHT POLE
NC-5S-4	N 5th St Southbourd	RT	JV Any Vertica y Configured J-Panel			ICT BUSINESS 51			1	1	
NC-5S-5	N 5th St Southbourd	RT	J2-1 24Wx57H Route Turn Assembly (1 Head Panel)			WEST 52 (RT)			1	1	
NC-5S-6	N 5th St Southbourd	RT	JV Any Vertica y Configured J-Panel			NORTH BUSINESS WEST 51 52 [RA] [RA]			1	-	
NC-6S-2	N 6th St Northbound	RT	I3-2 48Wx57H Directional Assembly (2 Headed Pane)	48	5 7	WEST EAST 52 52 [LA] [UA]	1	19.00			
NC-6S-3	N 6th St Northbound	LT	J3-2 48Wx5 /H Directional Assembly (2 Headed Pane)	48	57	WEST EAST 52 52 [LA] [UA]	1	19.00			
NC-6S-4	N 6th St Northbourd	RT	J2-2 48Wx57H Route Turn Assembly (2 Headed Route Panel)	48	57	WEST EAST 52 52 [LT] [UA]	1	19.00			
NC 65 5	N 6th St Northbourd	RT	J4-1 24Wx36H Reassurance Assembly (1 Headed Route Panel)	24	39	IC ⁻ 52	1	6.50			
NC-65-6	N 6th St Northbourd	R1	J4-1 Z4Wx36H Reassurance Assembly (1 Headed Route Panel)			[A\$T 52			1	1	
NC-6S-7	N 6th St Northbourd	RT	J4-1 24Wx36H Reassurance Assembly (1 Headed Route Panel)			EAST 52			1	:	
NC 65 8	N 6th St Northbound	RT	J2-1 24Wx57H Route Turn Assembly (1 Head Panel)			EAST 52 [UA]			1		ON UTILITY POLE
NC-6S-9	N 6th St Northbound	RT	J2-1 24Wx5/H Route Turn Assembly (1 Head Panel)			EAST 52 [UA]			1		ON UTILITY POLF

FILE NAME: C:\OD\CORRE, INC\PROJECTS - WI-NC REGION\6999-00-12_STH 52_MARATHON CO\500_CADD\501_C3D_2022\6999-00-12\SHEETS\030201-MQ.DWG LAYOUT NAME - 13

HWY: STH 52

PLOT DATE : 11/29/2023 11:31 AM

PLOT BY : JESSICA LEWIS, PE

MISCELLANEOUS QUANTITIES

PLOT NAME :

PLOT SCALE : 1" = 1'

SHEET

WISDOT/CADDS SHEET 42

E

COUNTY: MARATHON

PROJECT NO: 1009-43-70

Wausau Lo	Wausau Local Streets						634.0618	637.2210	638.2602	638.3000	
Sign Number	Route	Location	Sign Code and Description	Width	Height	Order Lines	Posts Wood 4x6-In x 18 FT FACH	Sign Type II Reflective H SF	Removing Signs Type II EACH	Removing Small Sign Supports FACH	Comments
NC 6S 10	N 6th S: Northbound	RT	J4-1 24Wx36H Reassurance Assembly (1 Headed Route Pane)			EAST 52			1		ON LIGHT POLE
NC-6S-11	N 6th St Northbound	LT	JV Any Vertically Configured J-Pane			NORTH BUSINESS 51 [LA]			1	-	
NC 6S 12	N 6th St Northbound	LT	J2-1 24Wx57H Route Turn Assembly (1 Head Pane)			EAST 52 [UA]			1		ON LIGHT POLE
NC-6S-13	N 6th St Northbound	Ri	JV Any Vertically Configured J-Pane			NORTH BUSINESS S.: [LT]			1		
			•	•		⁻ota	54	624.56	29	27	

SHEET E HWY: STH 52 COUNTY: MARATHON PROJECT NO: 1009-43-70 MISCELLANEOUS QUANTITIES

Standard Detail Drawing List

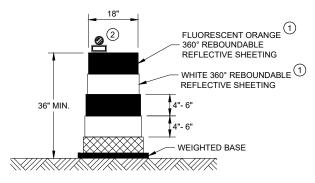
15C11-10B	CHANNELIZING DEV	ICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL	FOR LANE CLOSURE WITH FLAGGING OPERATION
15D12-12A	TRAFFIC CONTROL,	LANE CLOSURE, WITH TEMPORARY RUMBLE STRIPS
15D14-06	TRAFFIC CONTROL,	TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY
15D15-07A	TRAFFIC CONTROL,	PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07B	TRAFFIC CONTROL,	ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07C	TRAFFIC CONTROL,	TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07E	TRAFFIC CONTROL,	PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D16-06	TRAFFIC CONTROL,	EXIT RAMP CLOSURE
15D20-07A	TRAFFIC CONTROL,	SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-07B	TRAFFIC CONTROL,	SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-07C	TRAFFIC CONTROL,	SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D27-03	TRAFFIC CONTROL,	SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-04	TRAFFIC CONTROL,	WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D37-03	TRAFFIC CONTROL,	2-LANE ROUNDABOUT
15D40-05A	TRAFFIC CONTROL,	FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-05B	TRAFFIC CONTROL,	FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND OVER
15D40-05C	TRAFFIC CONTROL,	PARTIAL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-05D	TRAFFIC CONTROL,	PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D50-03A	TRAFFIC CONTROL,	ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-03B	TRAFFIC CONTROL,	ADDED LANE CLOSURE WITH LANE SHIFT

6

SDD 15C11

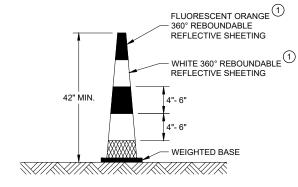
GENERAL NOTES

- (1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



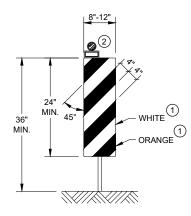
DRUM

BALLAST WIDTHS RANGE FROM 24"-36"



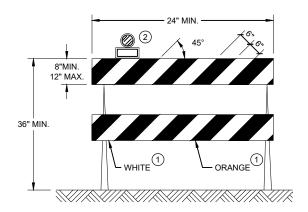
42" CONE

DO NOT USE IN TAPERS ½ SPACING OF DRUMS BALLAST WIDTHS RANGE FROM 14"-20"



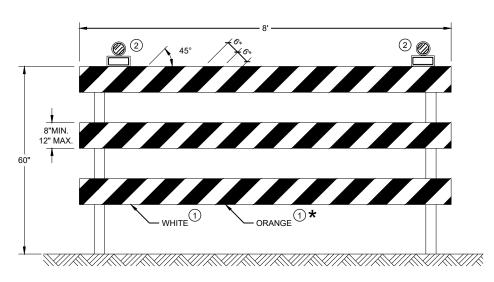
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 50

APPROVED	
November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

RUMBLE

STRIPS

ROAD

WORK

GENERAL NOTES FLAGGING LEGEND DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON 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 REMOVE TEMPORARY SIGN ON PORTABLE OR PERMANENT SUPPORT UNIFORM TRAFFIC CONTROL DEVICES. PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING. ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. TEMPORARY PORTABLE RUMBLE WORK OPERATION OR AS APPROVED BY THE ENGINEER. STRIP ARRAY "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE. (2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE DIRECTION OF TRAFFIC ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED. THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP WORK AREA **TEMPORARY PORTABLE RUMBLE STRIPS** WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS. TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED FLAGGER, EQUIPPED WITH STOP/SLOW ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT PADDLE FASTENED ON SUPPORT STAFF THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST. INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS. DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS. **SIGN AND TEMPORARY RUMBLE** STRIP ARRAY SPACING TABLE 5' MIN BE SPEED LIMIT SPACING "A" USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, PREPARED THIS SIGN SHALL BE LOCATED BETWEEN THE 25-30 MPH TO STOP W20-7A AND W20-4A SIGNS, USING SPACING "A". 35-40 MPH 350' STOP/SLOW PADDLE ŔUMBLĖ 45-55 MPH 500' WO3-4 WORK **ON SUPPORT STAFF** ROAD STRIPS 1 VARIABLE DISTANCE - 200' - 300' (TYP.) END ROAD WORK |||3 WORK AREA A/2 END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE

TRAFFIC CONTROL FOR LANE CLOSURE WITH **FLAGGING OPERATION**

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
May 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

GENERAL NOTES

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

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

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

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

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

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

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

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

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

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE WITH ATTACHED SIGN

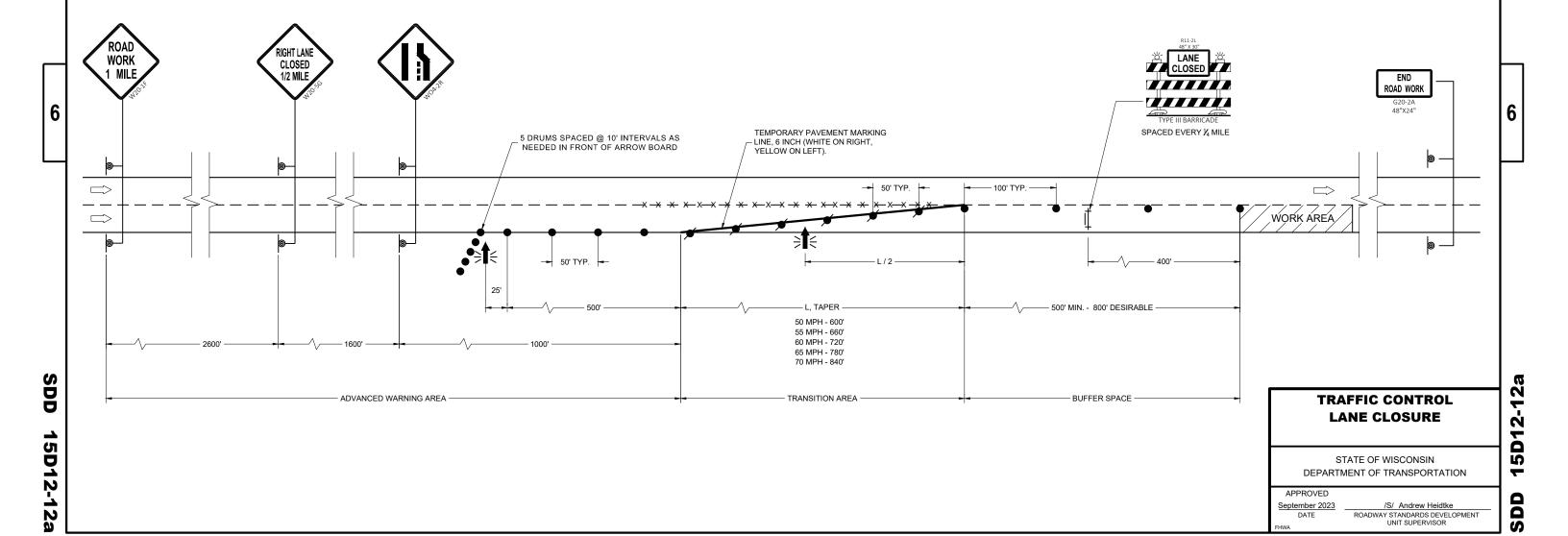
TYPE "A" WARNING LIGHT (FLASHING)

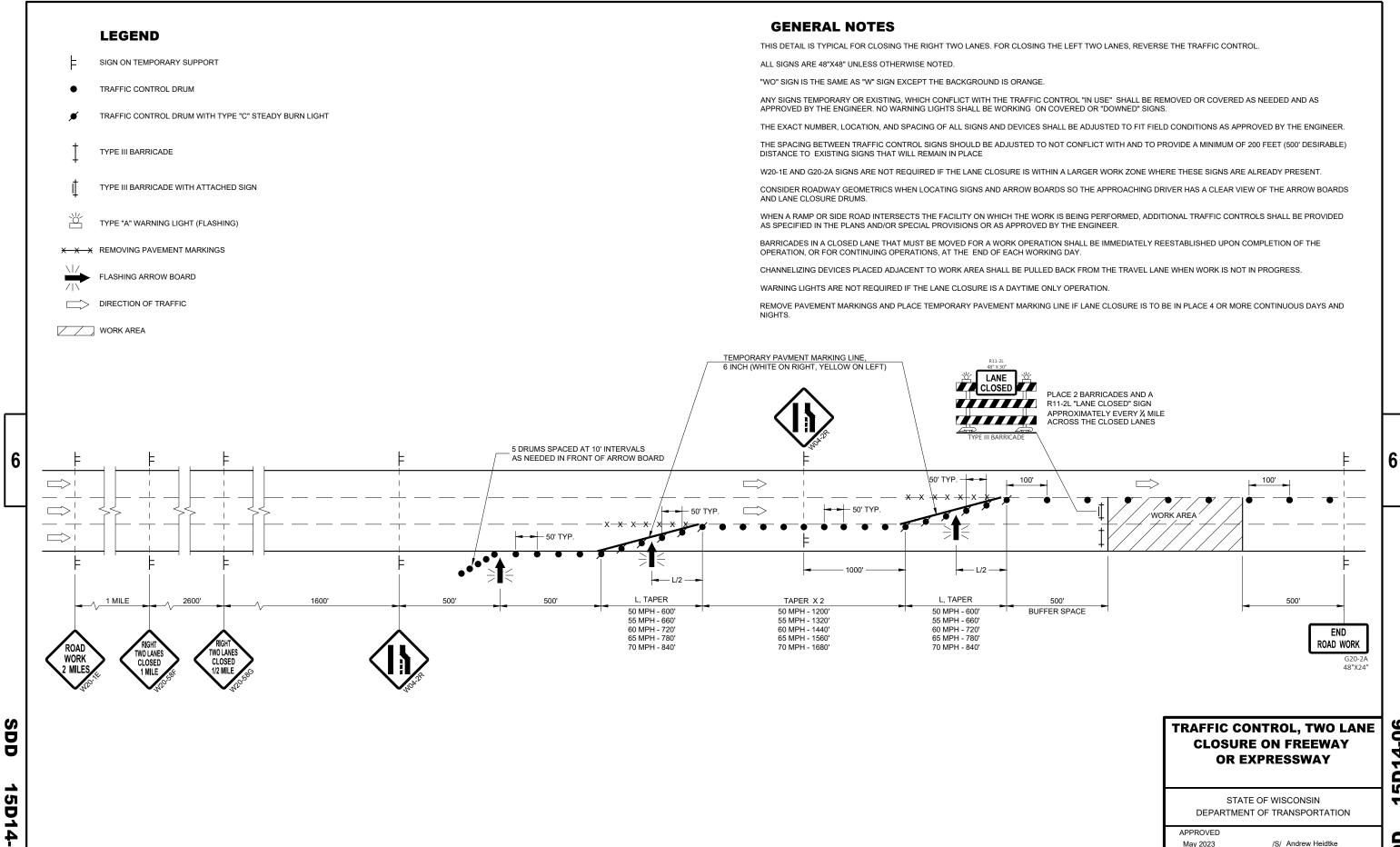
-X-X-X REMOVING PAVEMENT MARKINGS

DIRECTION OF TRAFFIC

/// WORK AREA

FLASHING ARROW BOARD





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14-06 S

/S/ Andrew Heidtke STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

May 2023

ADVANCE OF GORE

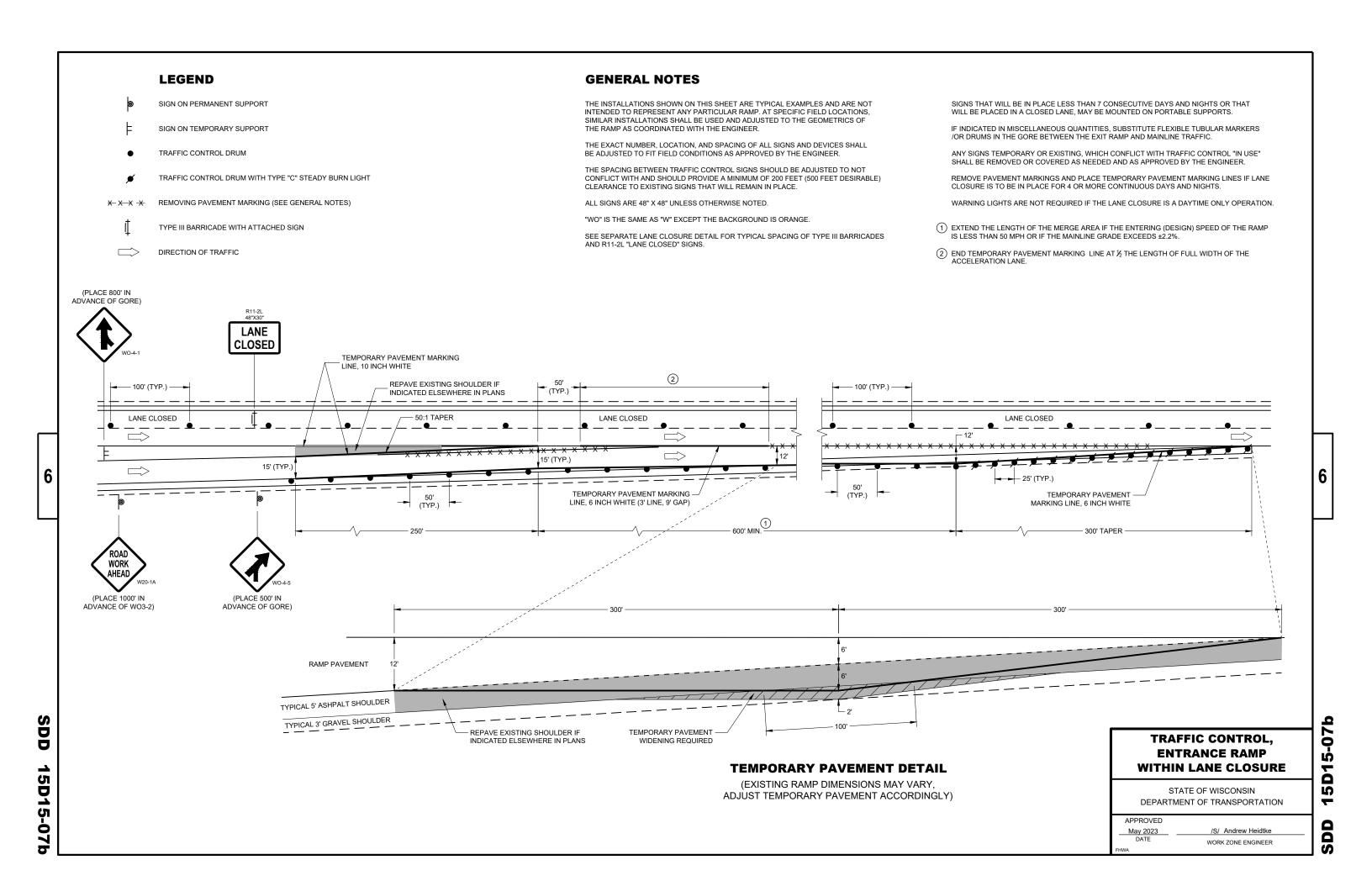
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LANE CLOSED

DEPARTMENT OF TRANSPORTATION

/S/ Andrew Heidtke WORK ZONE ENGINEER

APPROVED May 2023 DATE



(PLACE 500' IN

ADVANCE OF YIELD SIGN, R1-2)

AHEAD

(PLACE 500' IN

ADVANCE OF WO3-2)

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023

May 2023 /S/ Andrew Heidtke

DATE WORK ZONE ENGINEER

DD 15D15-07

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

TYPE III BARRICADE WITH ATTACHED SIGN

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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.

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

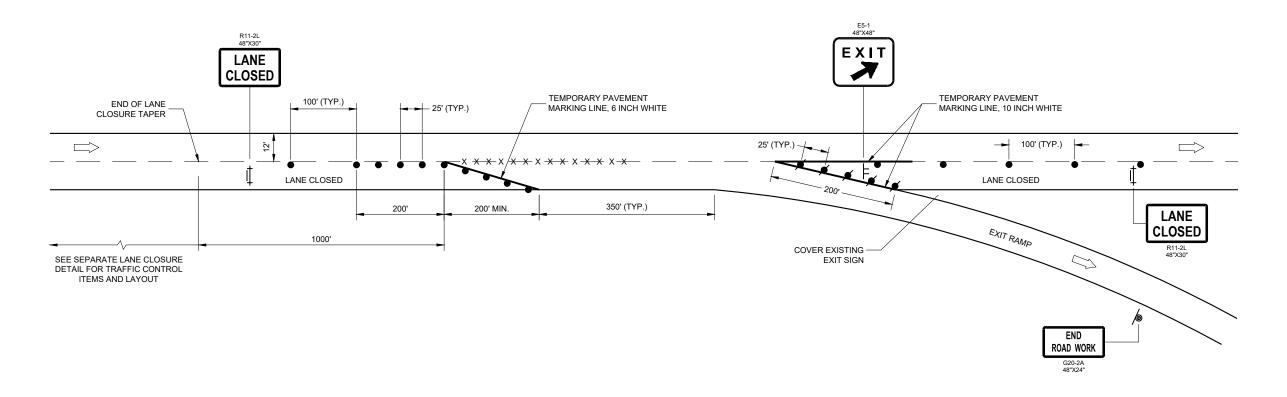
SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS. WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.



TRAFFIC CONTROL, **PARALLEL EXIT RAMP** WITHIN LANE CLOSURE

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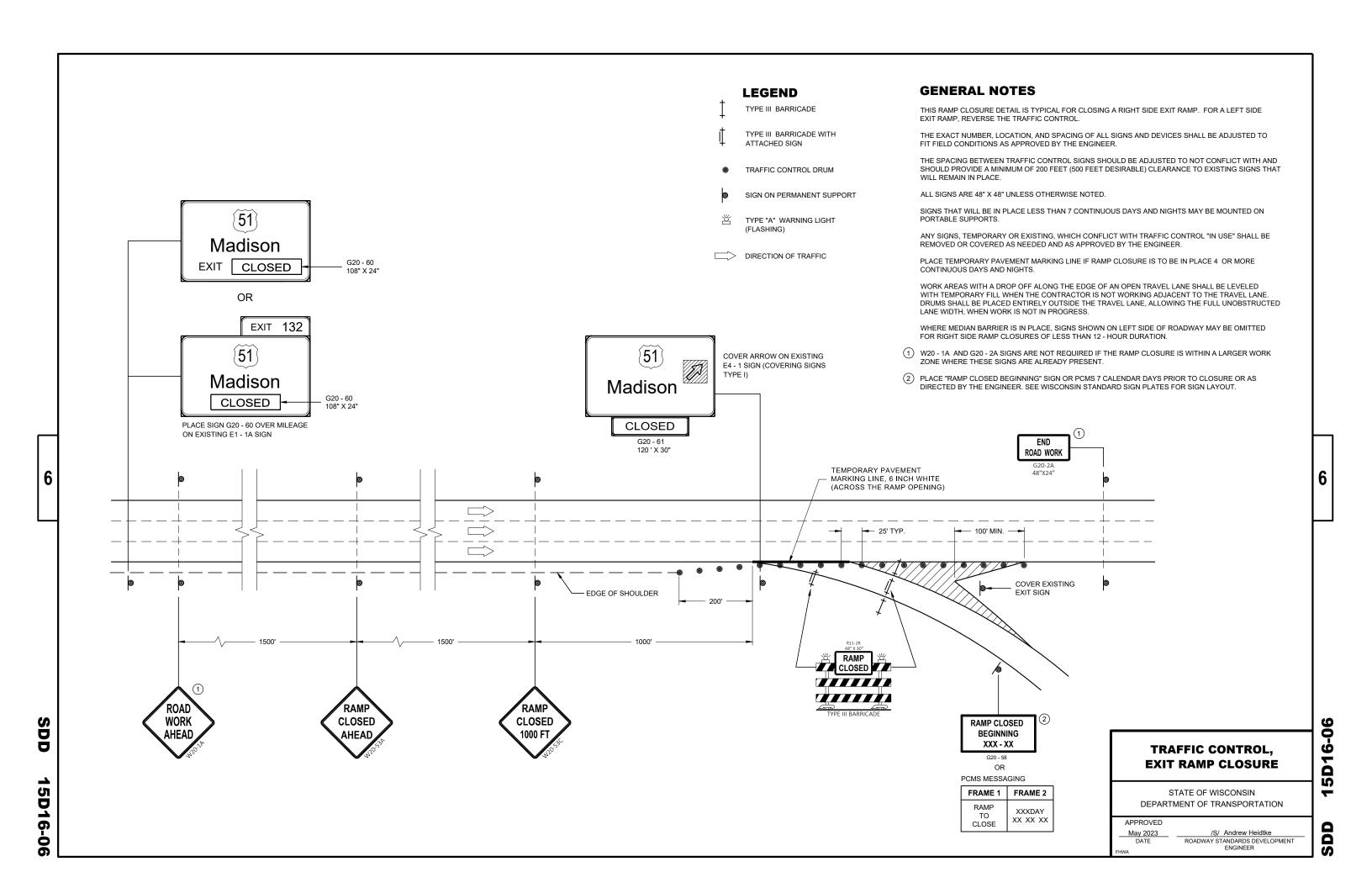
IJ

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

SDD

15D15-0



TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE
WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

FLASHING ARROW BOARD

DIRECTION OF TRAFFIC

XXX REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)

WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

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

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

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

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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 TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

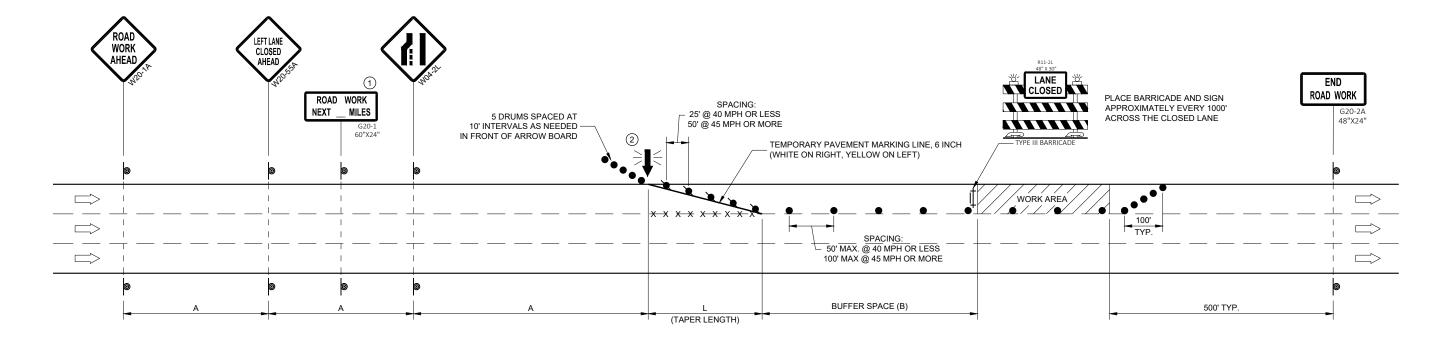
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

- (1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- (2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT ADVANCE TAPER LENGTH | BUFFER PRIOR TO WORK WARNING SIGN (12 FT. LANE) SPACE STARTING (MPH) SPACING (A) FEET (L) FEET (B) FEET 25 200' 125' 55' 30 200' 180' 85' 35 350' 245' 120' 40 170' 350 320' 45 500' 540' 220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

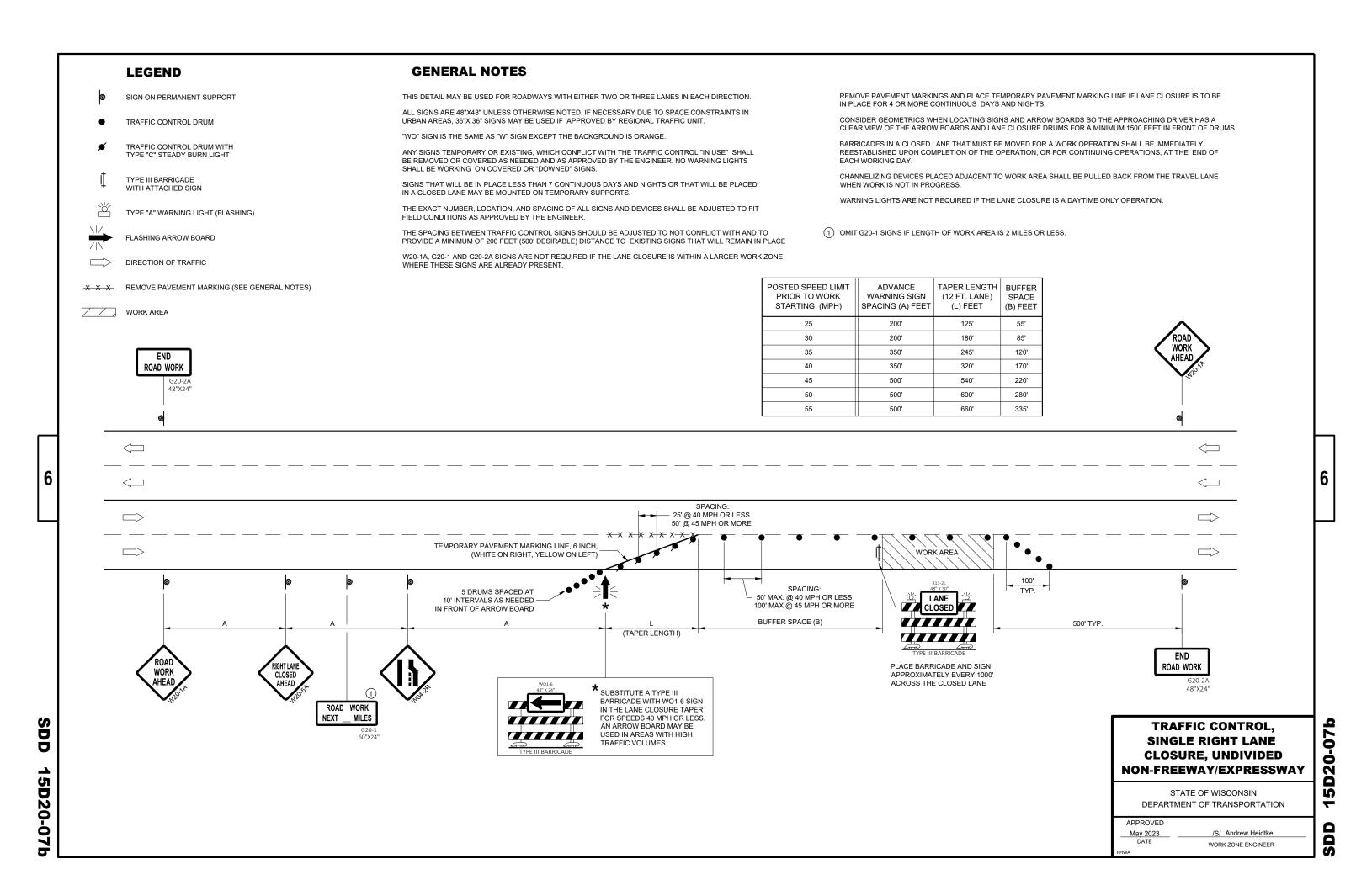
 APPROVED
 /S/ Andrew Heidtke

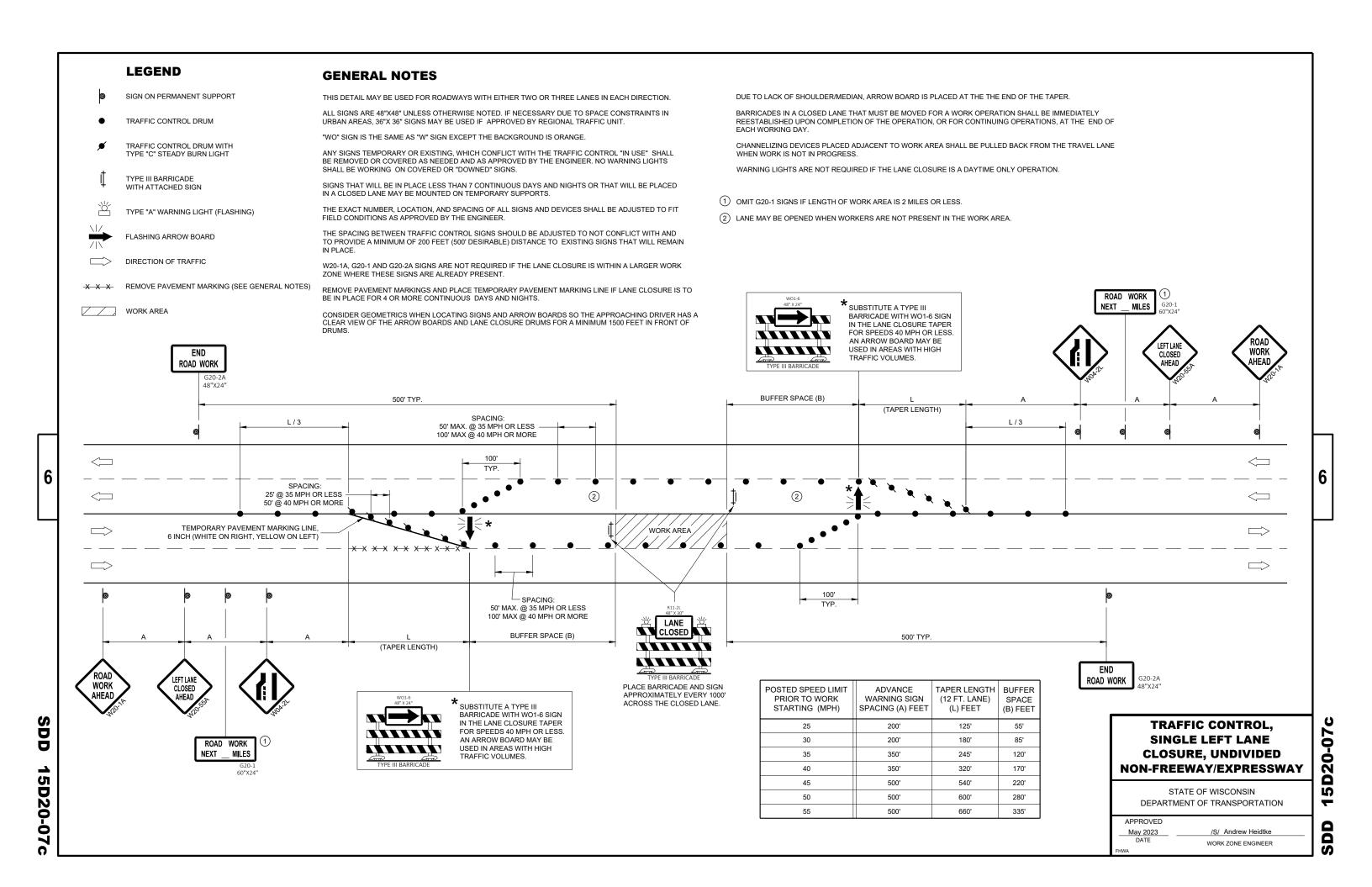
 May 2023
 /S/ Andrew Heidtke

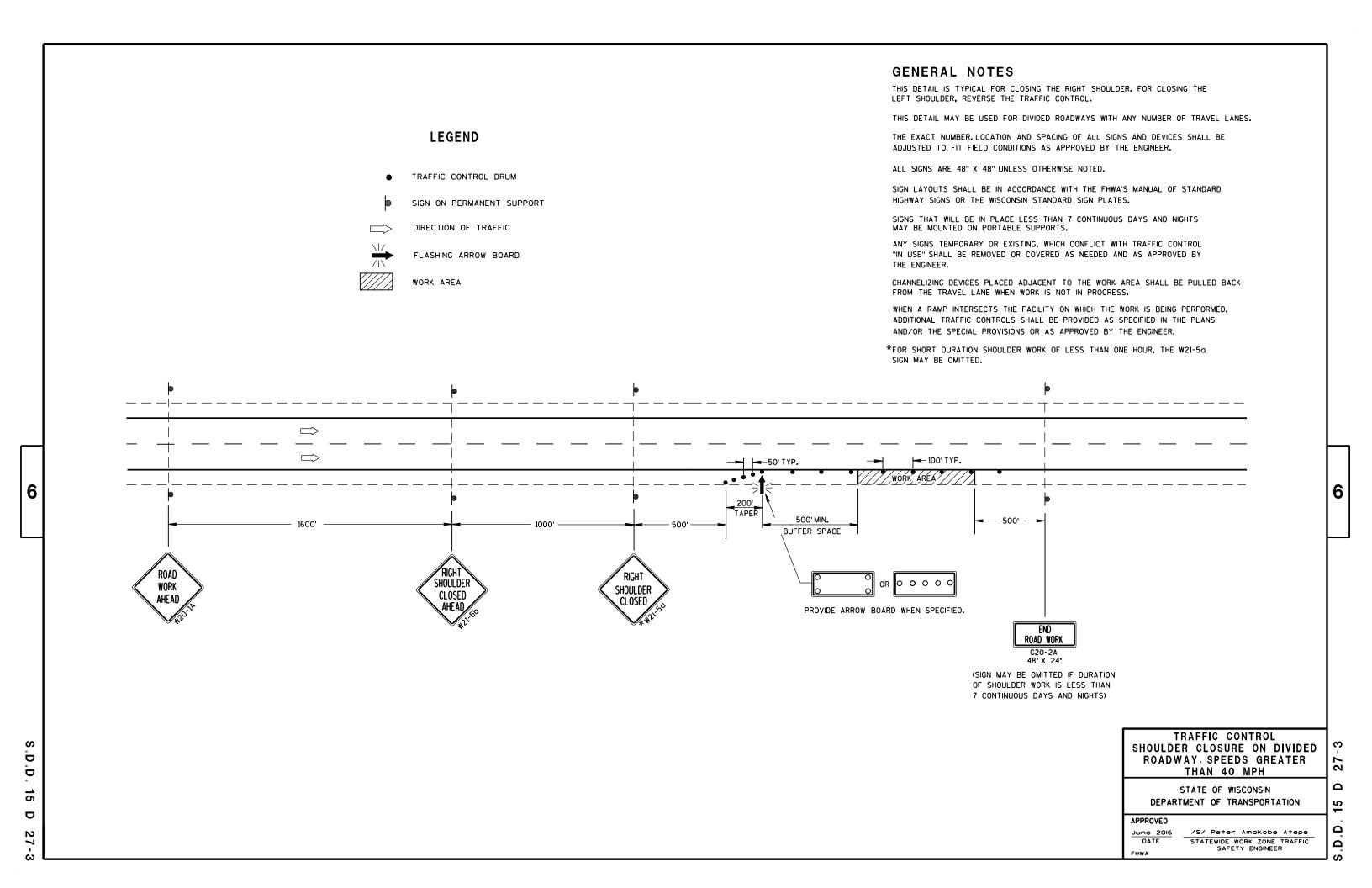
 DATE
 WORK ZONE ENGINEER

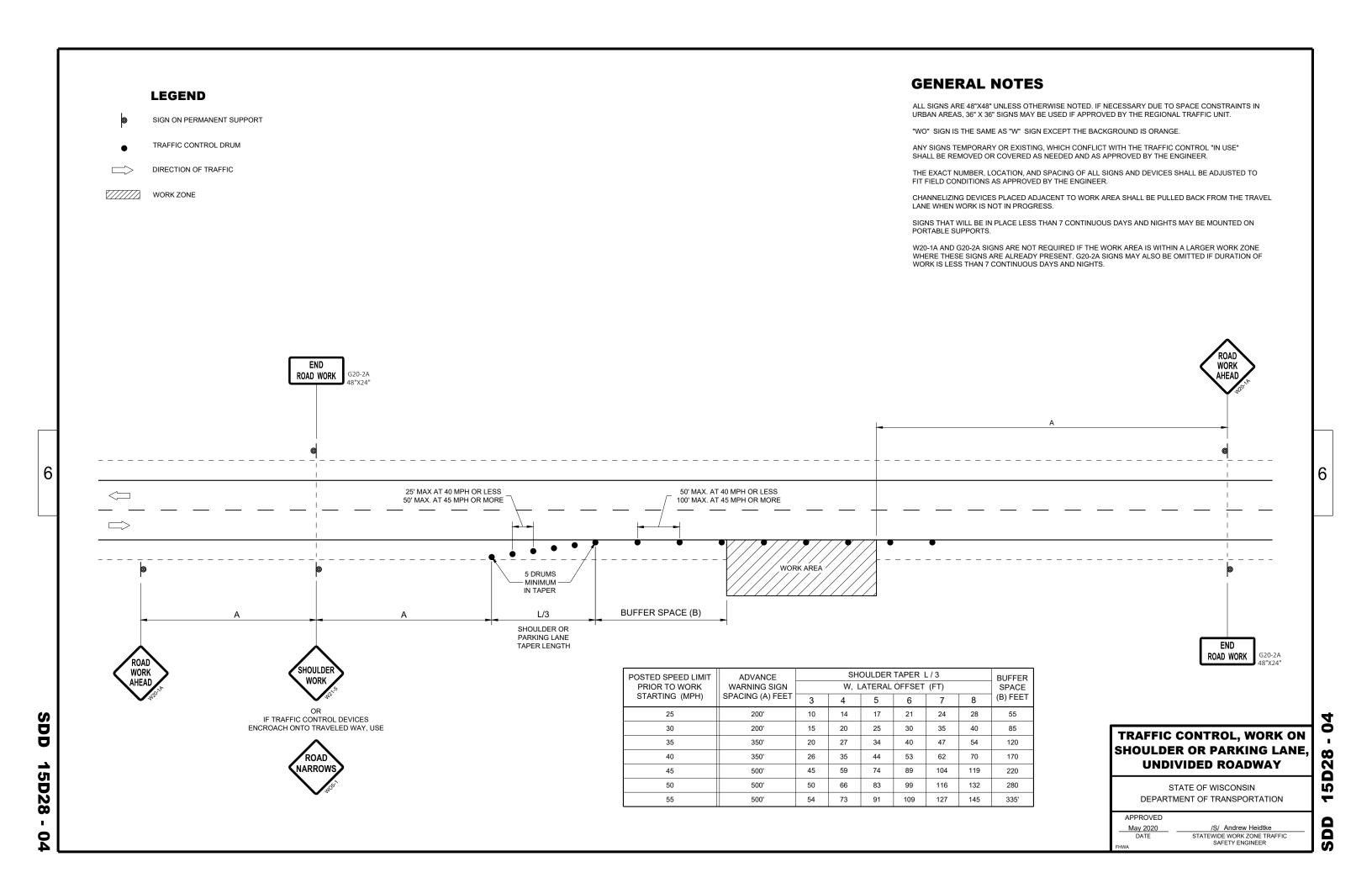
SDD 15D20-07a

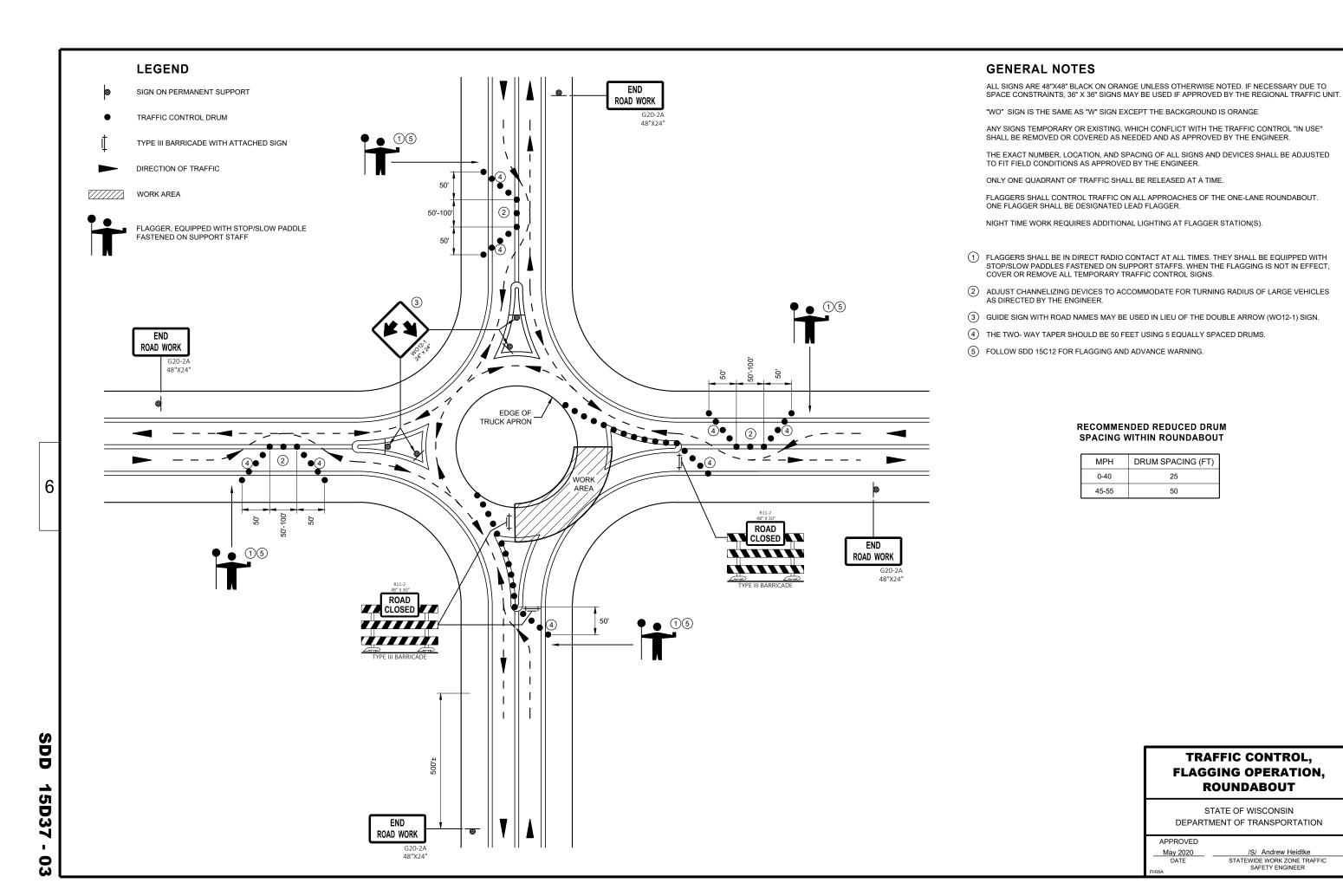
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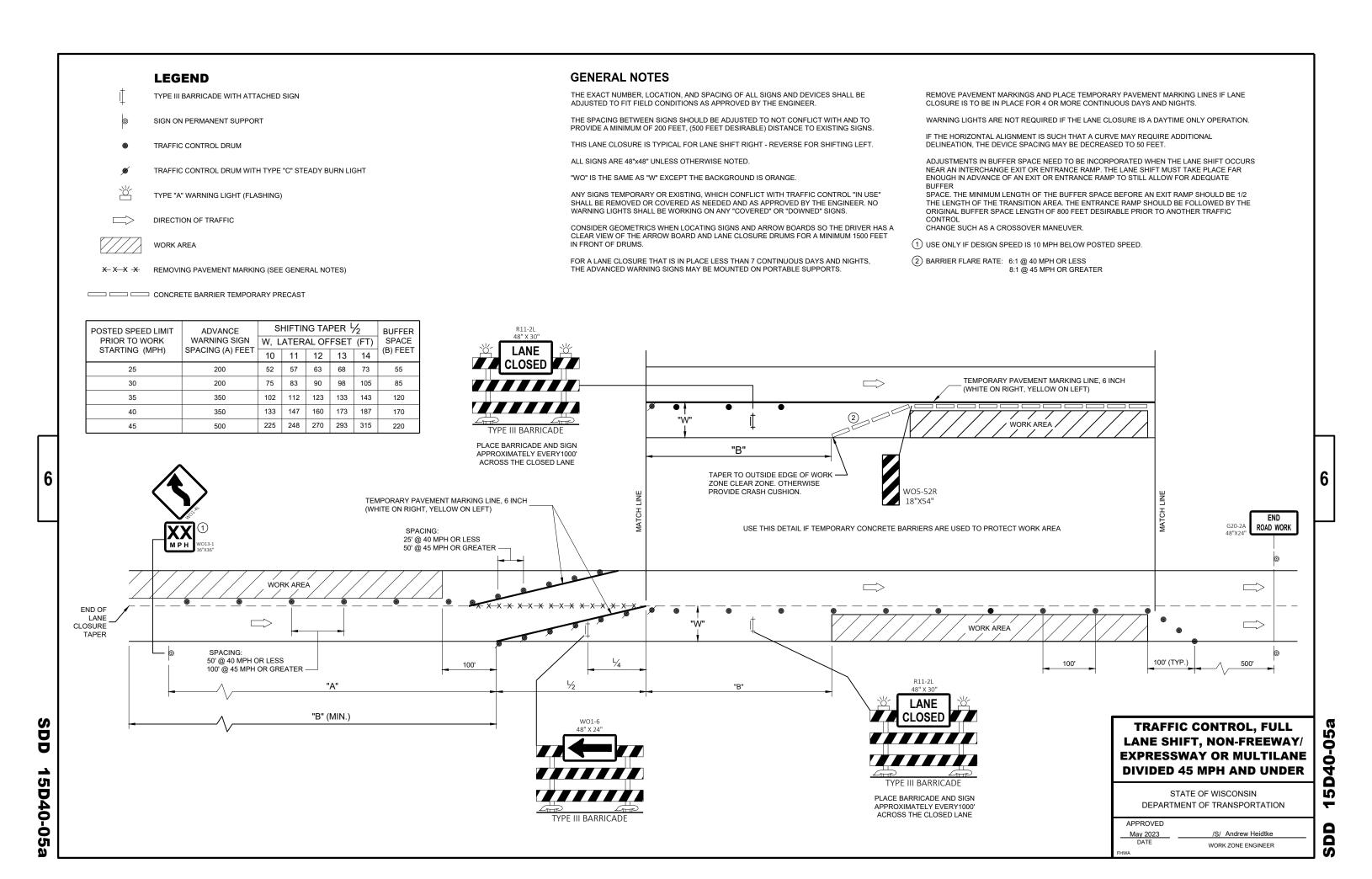


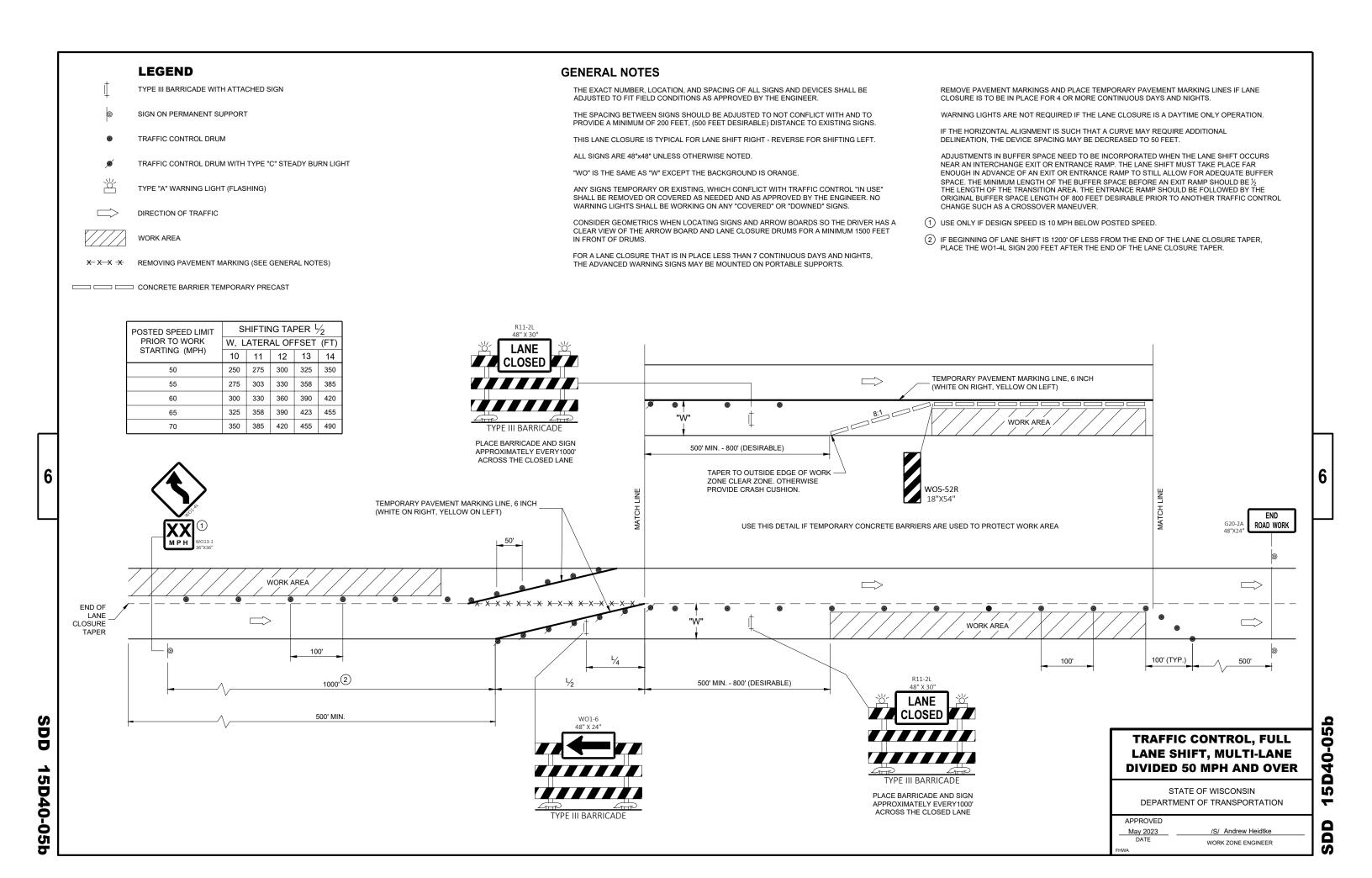


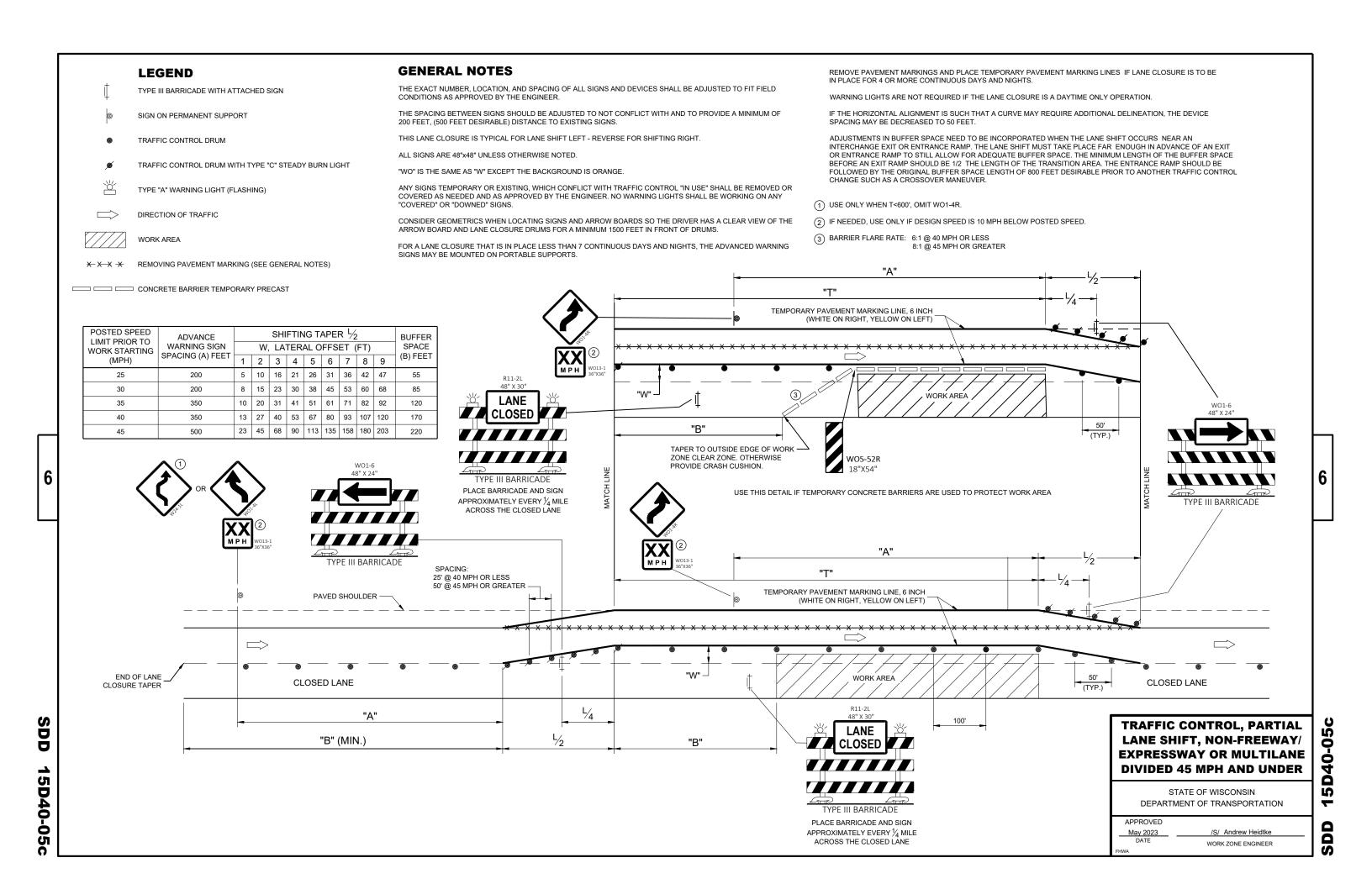


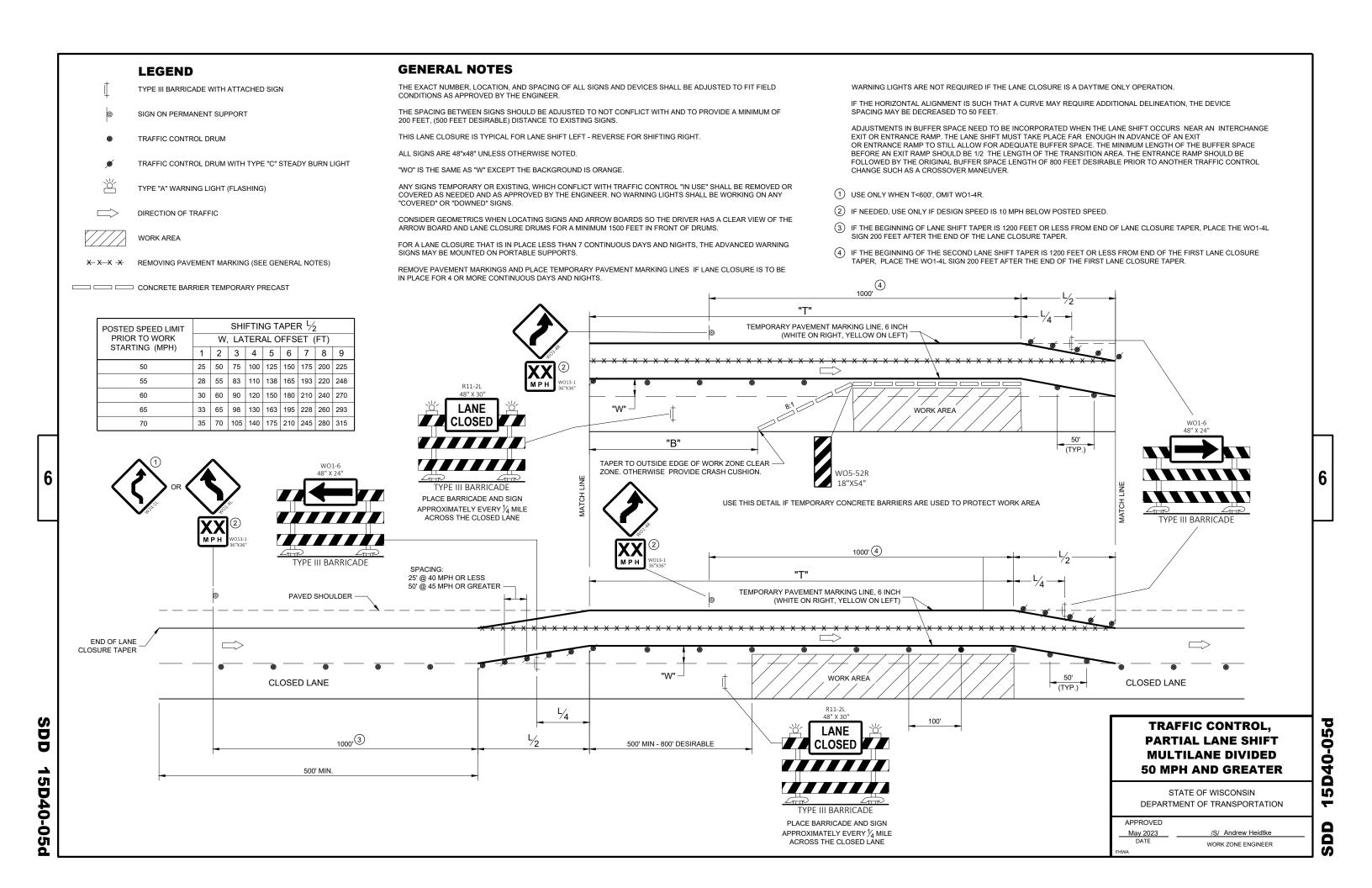












SPACING: SPACING: 50' MAX. @ 40 MPH OR LESS 25' MAX. @ 40 MPH OR LESS 100' MAX. @ 45 MPH OR GREATER 50' MAX. @ 45 MPH OR GREATER \Box LANE CLOSED ROAD WORK PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE

TRAFFIC CONTROL ADDED LANE CLOSURE WITHOUT LANE SHIFT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023 DATE WORK ZONE ENGINEER

SDD 15D50-03a

IJ /S/ Andrew Heidtke S

50-0

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50-0

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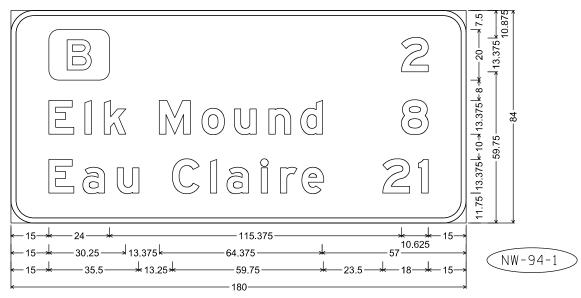
/S/ Andrew Heidtke WORK ZONE ENGINEER

May 2023 DATE

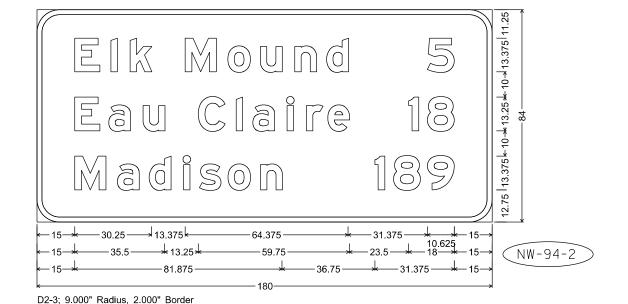
- 1. All Signs Type I Type SH Reflective
- 2. Color:

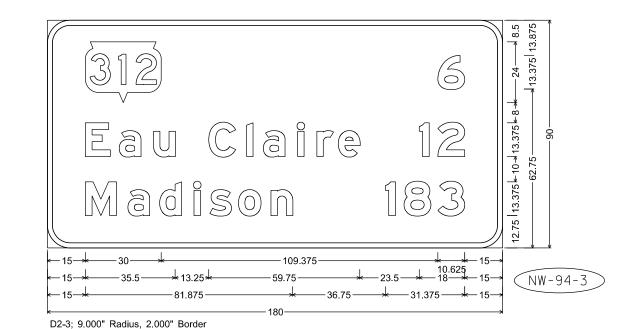
Background - Green or as noted Message - White

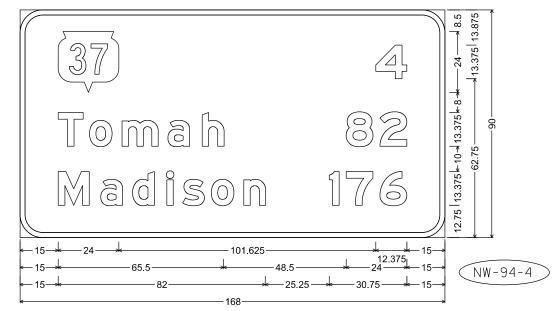
3. Message Series - E Modified



D2-3; 9.000" Radius, 2.000" Border







PLOT NAME :

D2-3; 9.000" Radius, 2.000" Border

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO: **E**

FILE NAME : C:\CAEfiles\Projects\tr_d2\TYPE1NW2024.dgn

PLOT DATE: 16-0CT-2023 7:35

PLOT BY : dotc4c

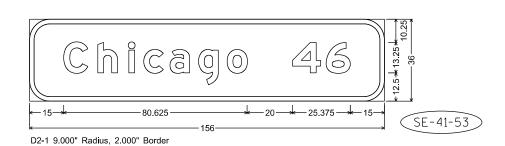
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

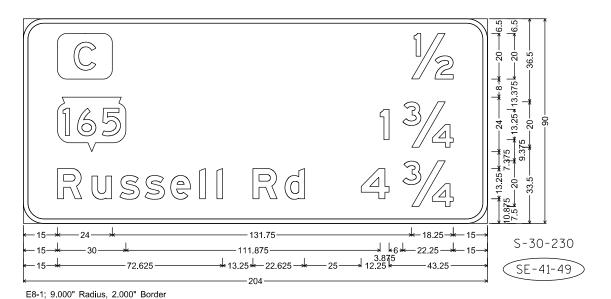
- 1. All Signs Type I Type SH Reflective
- 2. Color:

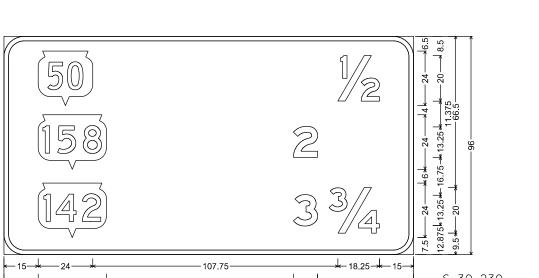
Background - Green

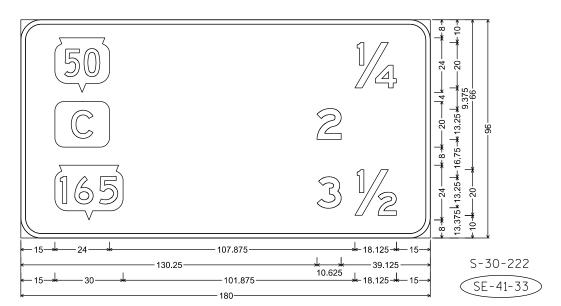
Message - White

3. Message Series - E Modified except all CAP words Series E

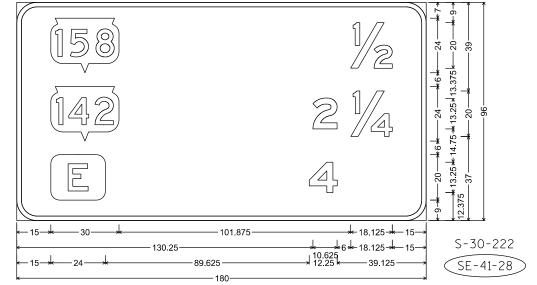








E8-1; 9.000" Radius, 2.000" Border



PLOT NAME :

E8-1; 9.000" Radius, 2.000" Border

PROJECT NO:1000-20-83 HWY: H 41 COUNTY: KENOSHA PERMANENT SIGNING SHEET NO: **E**

FILE NAME : C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

PLOT DATE: 16-0CT-2023 8:15

PLOT BY : dotc4c

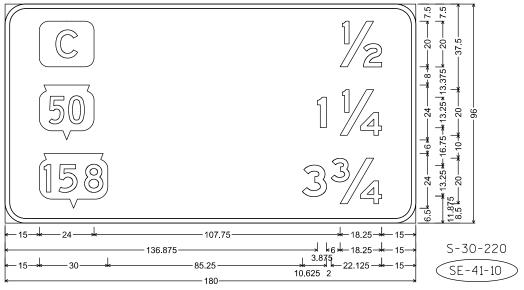
PLOT SCALE: \$\$.....plotscale.....\$\$ wisdot/cadds sheet 42

| 7

- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green or as noted Message - White

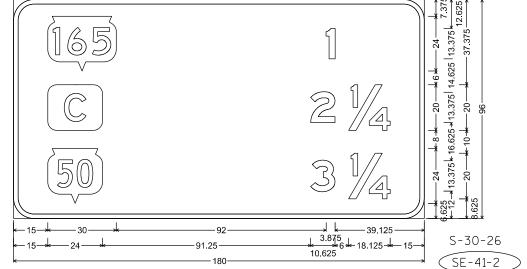
3. Message Series - E Modified except all CAP words Series E



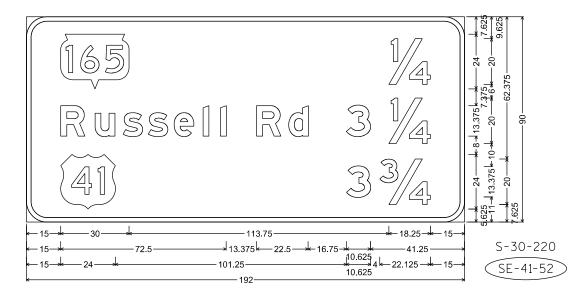
E8-1; 9.000" Radius, 2.000" Border



E8-1, 9.000" Radius, 2.000" Border



E8-1; 9.000" Radius, 2.000" Border



PLOT NAME :

E8-1; 9.000" Radius, 2.000" Border

PROJECT NO:1000-20-83 HWY: H 41 COUNTY: KENOSHA PERMANENT SIGNING SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

PLOT DATE: 16-0CT-2023 8:15

PLOT BY : dotc4c

PLOT SCALE: \$\$.....plotscale.....\$\$ wisdot/cadds sheet 42

1

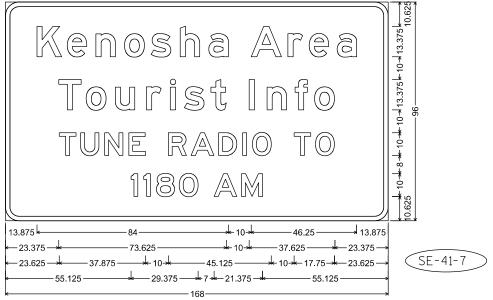
NOTES

- 1. All Signs Type I Type SH Reflective
- 2. Color:

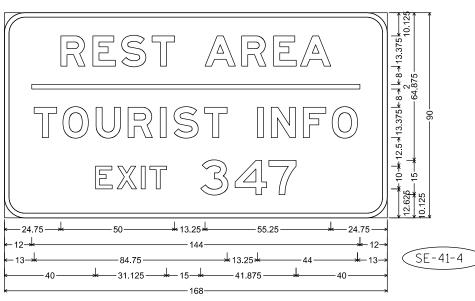
Background - Blue

Message - White

3. Message Series - E Modified except all CAP words Series E, or as noted.

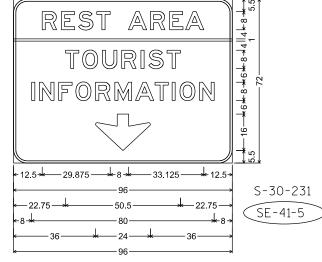


SP, 6.000" Radius, 2.000" Border

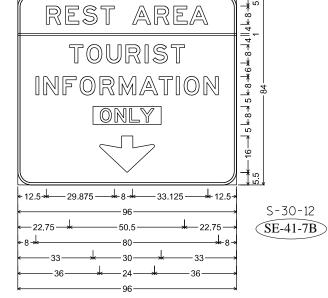


E3-1, 9.000" Radius, 2.000" Border

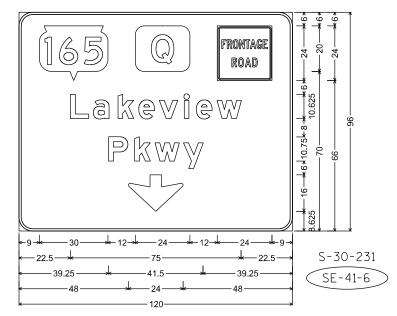
"REST", E Mod; "AREA", E Mod; "TOURIST", E Mod; "INFO", E Mod; "EXIT", E; "347", E



D16-1: 6.000" Radius, 1.000" Border



D16-1, 6.000" Radius, 1.000" Border



D16-1, 6.000" Radius, 1.000" Border "Lakeview", E Mod; "Pkwy", E Mod;

PROJECT NO: 1000-20-83 HWY: IH 41 COUNTY: KENOSHA PERMANENT SIGNING SHEET NO:

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

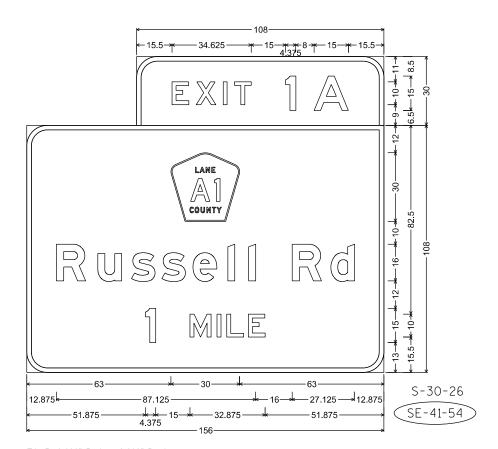
- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green

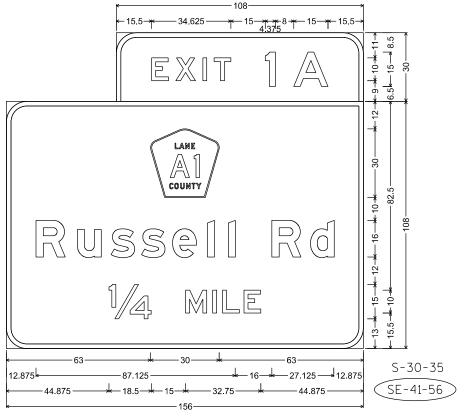
Message - White

3. Message Series - E Modified except all CAP words Series E

E1-5BP; 9.000" Radius, 2.000" Border E6-51; 9.000" Radius, 2.000" Border



E1-5P; 9.000" Radius, 2.000" Border E6-51; 9.000" Radius, 2.000" Border



E1-5P; 9.000" Radius, 2.000" Border E6-51; 9.000" Radius, 2.000" Border

PROJECT NO:1000-20-82 HWY: H 41 COUNTY: KENOSHA PERMANENT SIGNING SHEET NO:

FILE NAME: C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

PLOT DATE: 16-OCT-2023 8:15

PLOT BY: dotc4c

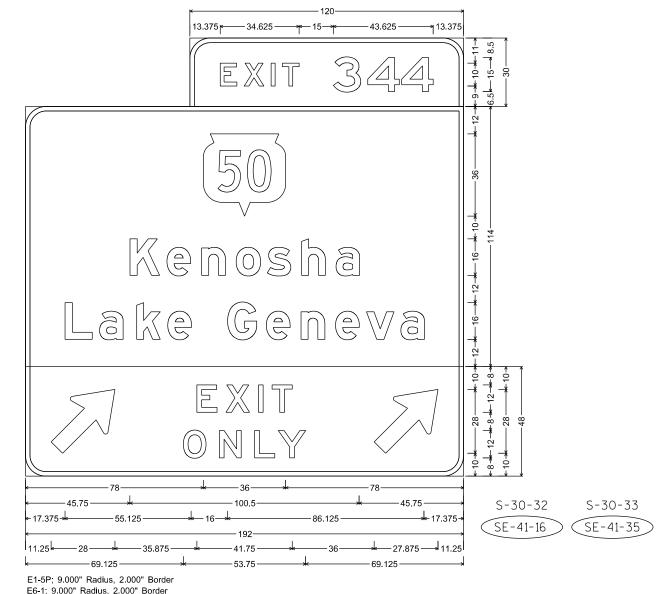
PLOT NAME:

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

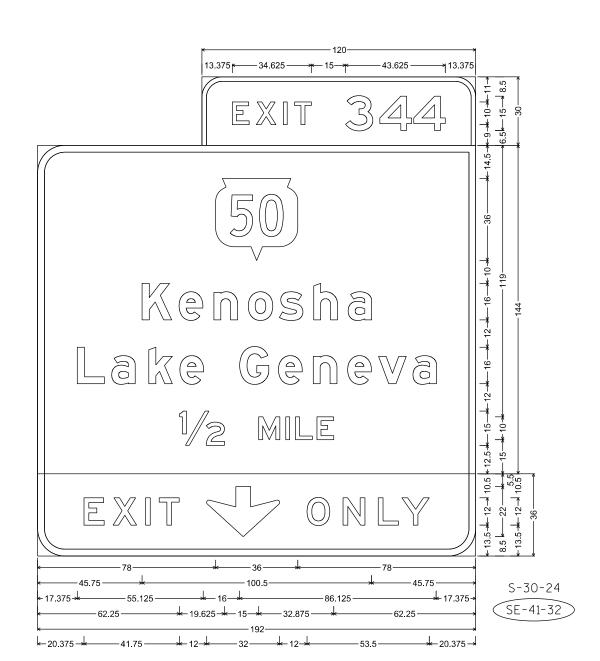
2. Color:

Background - Green Message - White

- 3. Message Series E Modified except all CAP words Series E
- 4. Exit Only Panel on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



E6-1, 9.000" Radius, 2.000" Border E11-1E; 9.000" Radius, 2.000" Border, Black on Yellow



HWY: IH 41

E1-5P; 9.000" Radius, 2.000" Border E6-51; 12.000" Radius, 3.000" Border

E11-1; 12.000" Radius, 3.000" Border, Black on Yellow

PROJECT NO: 1000-20-82 FILE NAME : C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

COUNTY: KENOSHA

PERMANENT SIGNING

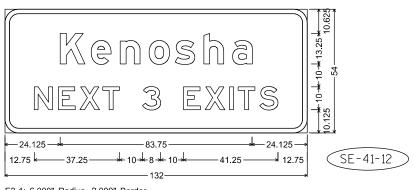
PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

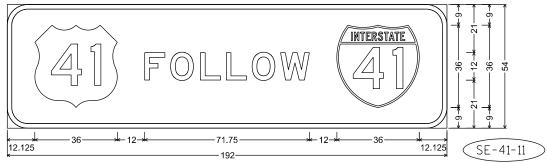
SHEET NO:

PLOT DATE: 16-OCT-2023 8:15

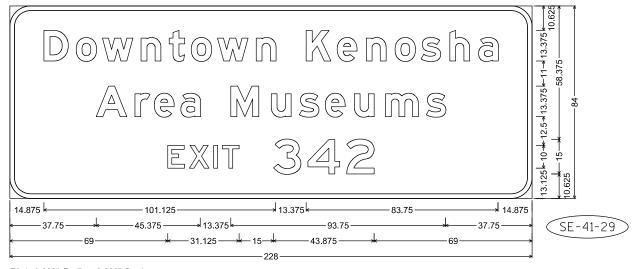
PLOT BY : dotc4c



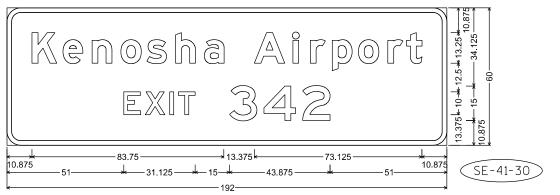
E3-1; 6.000" Radius, 2.000" Border



9.000" Radius, 2.000" Border



E3-1; 9.000" Radius, 2.000" Border



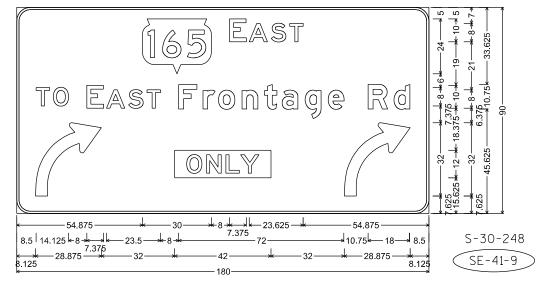
E3-1; 6.000" Radius, 2.000" Border

NOTES

- 1. All Signs Type I Type SH Reflective
- 2. Color:

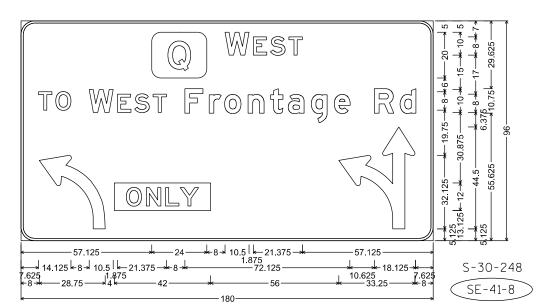
Background - Green Message - White

- 3. Message Series E Modified except all CAP words Series E
- 4. ONLY Plaque background on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



D16-1; 6.000" Radius, 1.000" Border

"EAST", E; "TO", E; "EAST", E; "Frontage", E Mod; "Rd", E Mod



D16-1; 6.000" Radius, 1.000" Border
Square County Q M1-55-1; "WEST", E; "TO", E; "WEST", E; "Frontage", E Mod; "Rd", E Mod

31.5 5.25 5.25 42

No border, Black on Fluorescent yellow "ONLY", E;

PROJECT NO: 1000-20-82

HWY: IH 41

COUNTY: KENOSHA

PERMANENT SIGNING

SHEET NO:

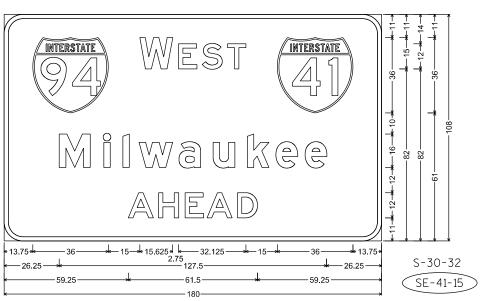
FILE NAME : C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

PLOT DATE: 16-0CT-2023 8:15 PLOT

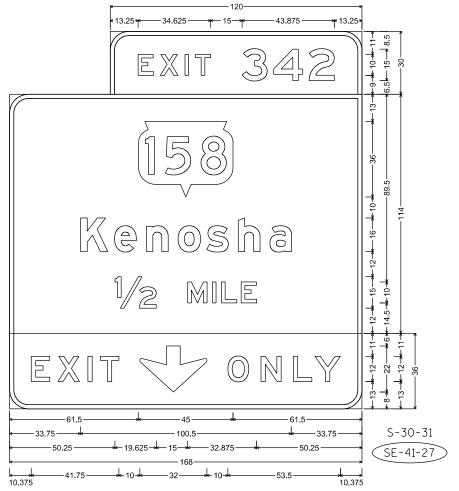
PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PLOT BY : dotc4c



E6-51; 9.000" Radius, 2.000" Border



HWY: IH 41

E1-5P; 9.000" Radius, 2.000" Border E6-51; 9.000" Radius, 2.000" Border

E11-1; 9.000" Radius, 2.000" Border, Black on Yellow

NOTES

- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green Message - White

3. Message Series - E Modified except all CAP words Series E or as noted

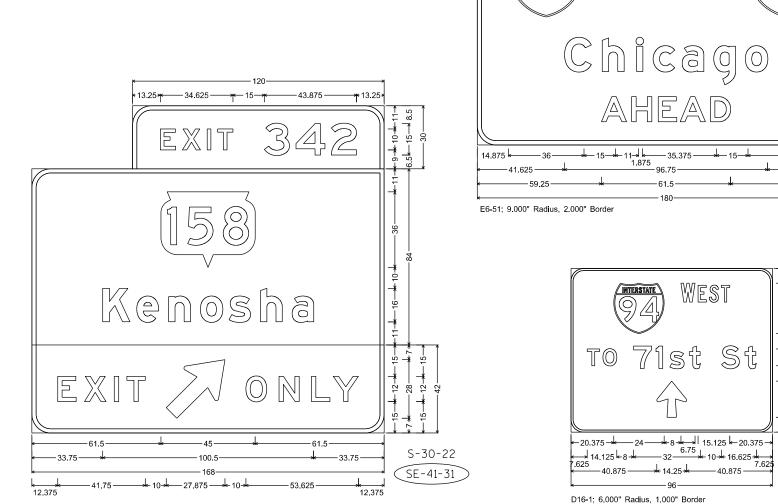
EAST

"WEST", C, "TO", E, "71st", E, "St", E

INTERSTATE

S-30-33 SE-41-34

4. Exit Only Panel on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



FILE NAME : C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

PROJECT NO: 1000-20-83

PLOT DATE: 16-OCT-2023 8:15

E1-5P; 9.000" Radius, 2.000" Border

E6-51; 9.000" Radius, 2.000" Border

E11-1D; 9.000" Radius, 2.000" Border, Black on Yellow

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

S-30-237

SE-41-19

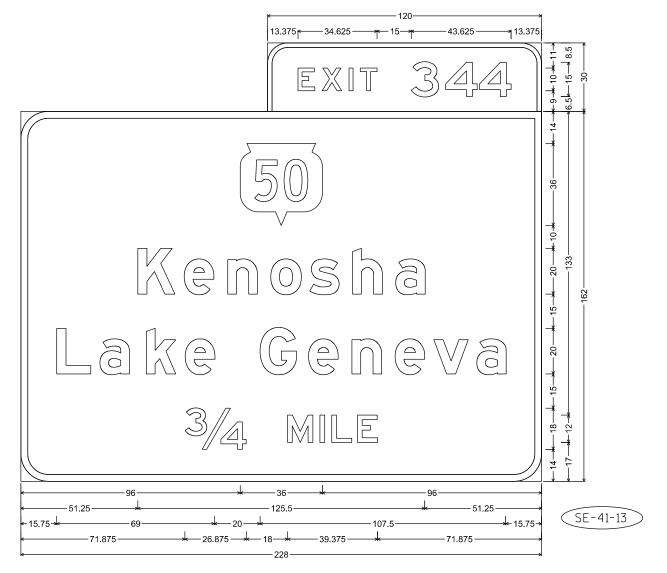
SE-41-20

- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green

Message - White

3. Message Series - E Modified except all CAP words Series E



E1-5P; 9.000" Radius, 2.000" Border E1-1A; 12.000" Radius, 3.000" Border

PROJECT NO:1000-20-82 HWY: H 41 COUNTY: KENOSHA PERMANENT SIGNING SHEET NO: **E**

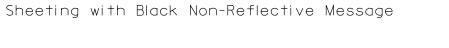
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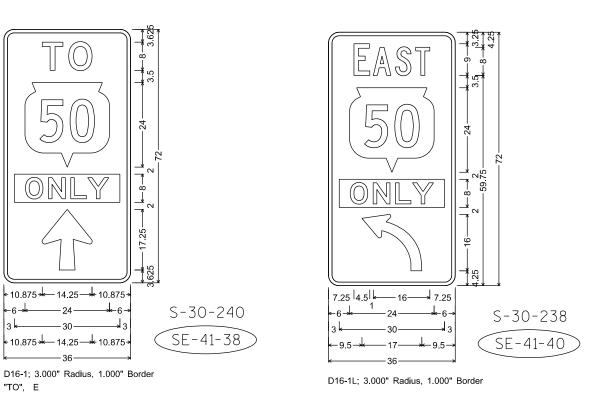
PLOT DATE: 16-OCT-2023 8:15

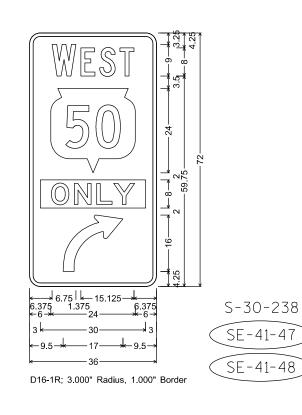
PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

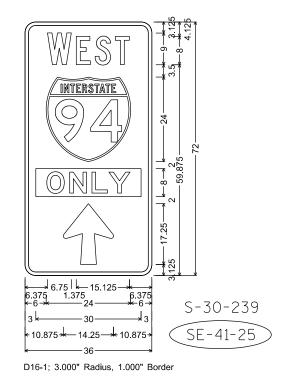




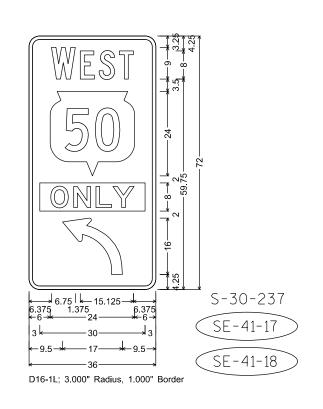


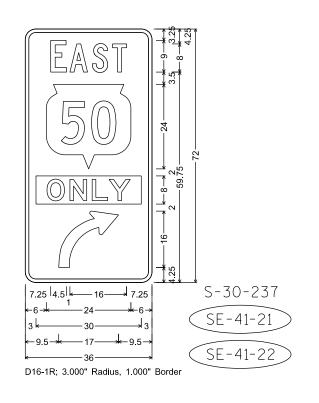


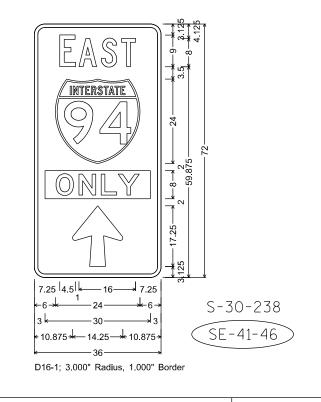
No border, Black on Fluorescent yellow; "ONLY", E



"TO", E







NOTES

3. Message Series - C or as noted

Background - Green Message - White

2. Color:

1. All Signs Type II - Type SH Reflective

4. ONLY Plaque background on Yellow Type F Reflective

PROJECT NO:1000-20-82

HWY: IH 41

COUNTY: KENOSHA

PERMANENT SIGNING

PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

SHEET NO:

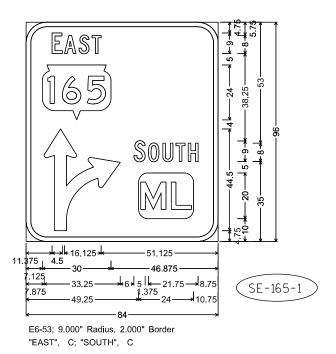
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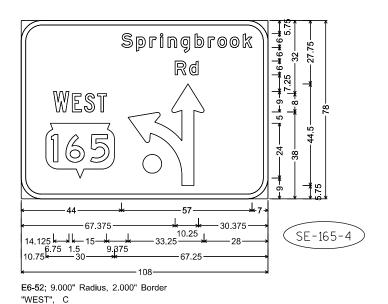
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PLOT DATE: 19-0CT-2023 9:32

PLOT BY : dotc4c

PLOT NAME :





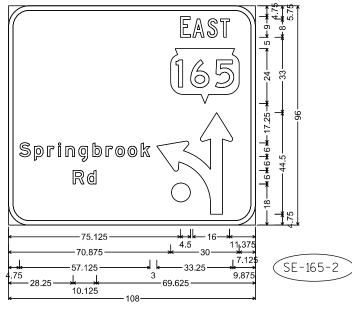
NOTES

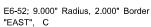
- 1. All Signs Type I Type SH Reflective
- 2. Color:

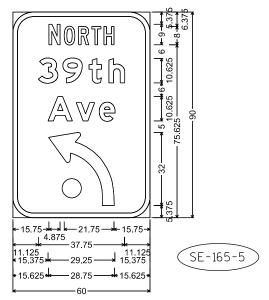
Background - Green

Message - White

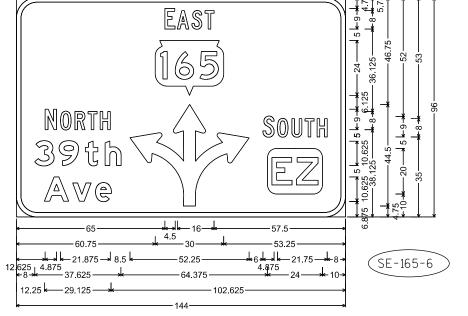
3. Message Series - E Modified except all CAP words Series E or as noted.







E6-54L; 9.000" Radius, 2.000" Border "NORTH", C



E6-53 Mod; 9.000" Radius, 2.000" Border "EAST", C; "NORTH", C; "SOUTH", C

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO:

FILE NAME: C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

PLOT DATE: 16-OCT-2023 8:15

PLOT BY: dotc4c

PLOT NAME:

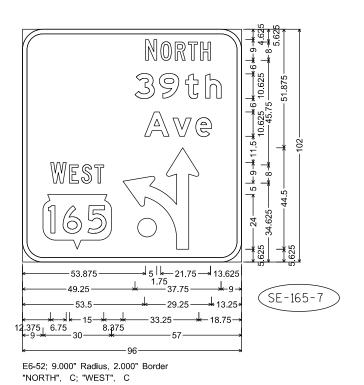
PLOT NAME:

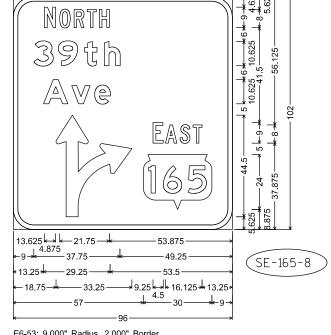
PLOT SCALE: \$\$.....plotscale....\$\$
WISDOT/CADDS SHEET 42

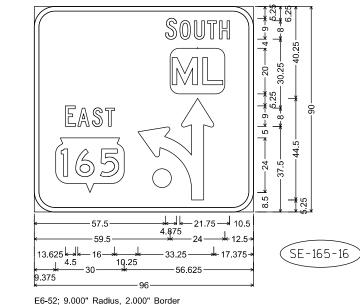


Background - Green Message - White

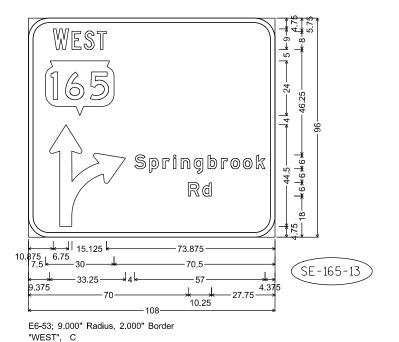
3. Message Series - E Modified except all CAP words Series E or as noted.

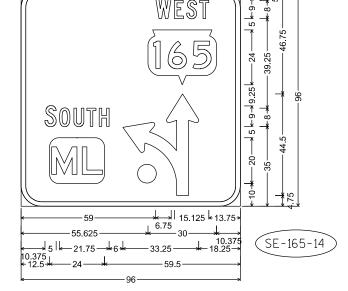






E6-53; 9.000" Radius, 2.000" Border "NORTH", C; "EAST", C





E6-52; 9.000" Radius, 2.000" Border "WEST", C; "SOUTH", C

PROJECT NO: 1000-20-83

HWY: VARIOUS

COUNTY: VARIOUS

PERMANENT SIGNING

"SOUTH", C; "EAST", C

SHEET NO:

Ε

FILE NAME : C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

PLOT DATE: 16-OCT-2023 8:15 PLOT BY: dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

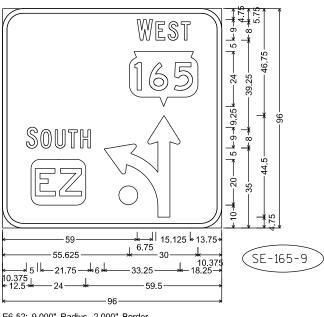
.

- 1. All Signs Type I Type SH Reflective
- 2. Color:

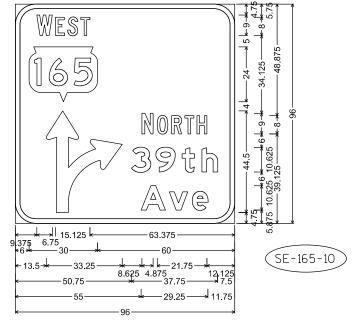
Background - Green

Message - White

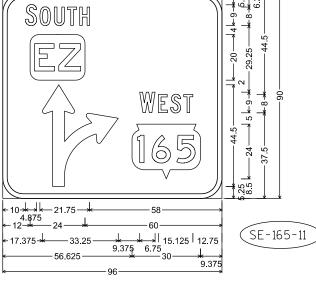
3. Message Series - E Modified except all CAP words Series E or as noted.



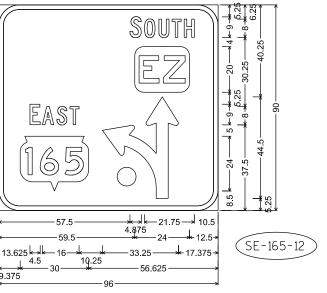
E6-52; 9.000" Radius, 2.000" Border "WEST", C; "SOUTH", C



E6-53; 9.000" Radius, 2.000" Border "WEST", C, "NORTH", C



E6-53; 9.000" Radius, 2.000" Border "SOUTH", C; "WEST", C



PLOT BY : dotc4c

PLOT NAME :

E6-52; 9.000" Radius, 2.000" Border "SOUTH", C; "EAST", C

PROJECT NO: 1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO: Ε PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42 PLOT DATE: 16-0CT-2023 8:15

D16-1R; 6.000" Radius, 1.000" Border "EAST", C

<u>~</u> ന

24

8→||← 2 59.75

SE-165-3

NOTES

All Signs Type II - Type SH Reflective

Color:

Background - Green Message - White

Message Series - as noted

ONLY Plaque background on Yellow Type F Reflective Sheeting with Black Non-Reflective Message

D16-1R; 6.000" Radius, 1.000" Border "WEST", C

3.125 3.125 3.125

No border, White on Fluorescent yellow; "ONLY" Black, E

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING

FILE NAME: C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

PLOT DATE: 16-OCT-2023 8:15

PLOT BY: dotc4c

PLOT NAME:

PLOT SCALE: \$\$.....plotscale.....\$\$ wisDoT/CADDS SHEET 42

7

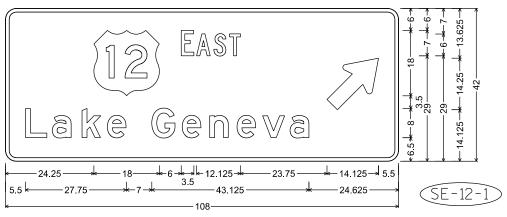
Ε

SHEET NO:

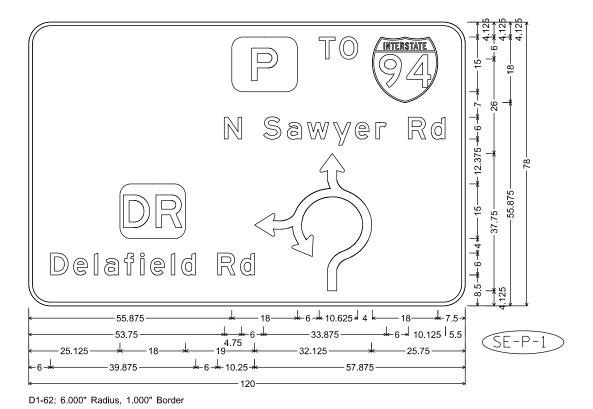
- 1. All Signs Type II Type H Reflective
- 2. Color:

Background - Green Message - White

3. Message Series - E or as noted



D1-70; 3.000" Radius, 1.000" Border "EAST", C; "Lake", E; "Geneva", E



VILLAGE OF

WILLAGE OF

28.625

41.5

28.625

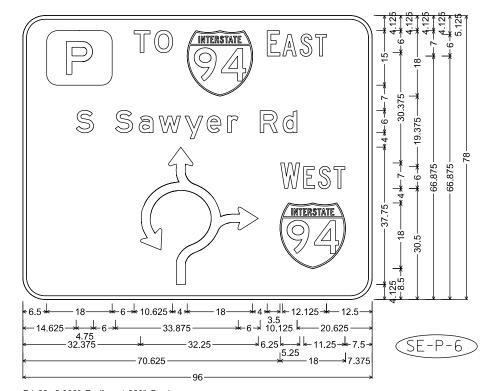
41.5

71.5

120

12-3A; 6.000" Radius, 1.000" Border

SE-41-11



D1-62; 6.000" Radius, 1.000" Border "TO", E; "EAST", C; "S", E; "Sawyer", E; "Rd", E; "WEST", C

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO:

FILE NAME: C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

PLOT DATE: 19-OCT-2023 9:32

PLOT BY: dotc4c

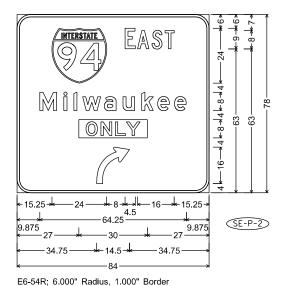
PLOT NAME:

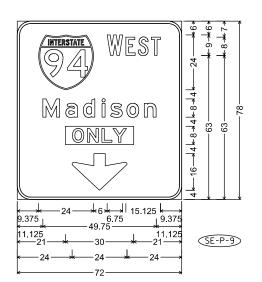
PLOT SCALE: \$\$.....plotscale.....\$\$
WISDOT/CADDS SHEET 42

7

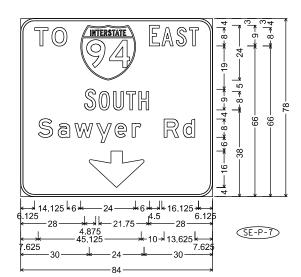
E6-54A; 6.000" Radius, 1.000" Border "TO", E; "WEST", C; "Madison", E

"EAST", C; "Milwaukee", E

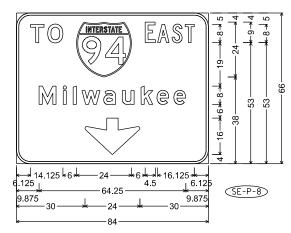




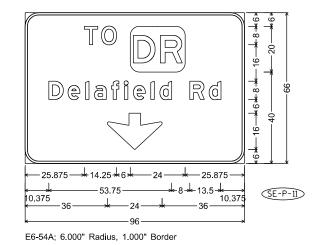
E6-54A; 6.000" Radius, 1.000" Border "WEST", C; "Madison", E



E6-54A; 6.000" Radius, 1.000" Border "TO", E; "EAST", C; "SOUTH", C; "Sawyer Rd", E



E6-54A; 6.000" Radius, 1.000" Border "TO", E; "EAST", C; "Milwaukee", E

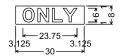


NOTES

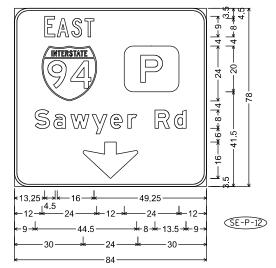
- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green Message - White

- 3. Message Series E Modified except all CAP words Series E or as noted
- 4. ONLY Plaque background on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



No border, Black on, Fluorescent yellow; "ONLY" Black, E;



D16-1; 6.000" Radius, 1.000" Border "EAST", C

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO: **E**

D16-1 MOD; 6.000" Radius, 1.000" Border "EAST", C;

3.125

No border, Black on, Fluorescent yellow; "ONLY" Black, E;

15.125 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.375 | 12.

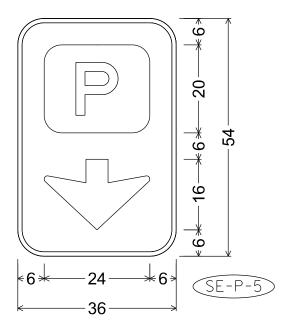
D16-1R; 6.000" Radius, 1.000" Border "WEST", C;

NOTES

- 1. All Signs Type II Type SH Reflective
- 2. Color:

Background - Green Message - White

- 3. Message Series as noted
- 4. ONLY Plaque background on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



D16-1 MOD; 6.000" Radius, 1.000" Border

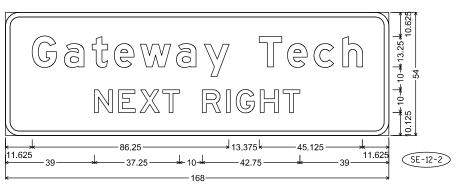
PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO: **E**

- 1. All Signs Type I Type SH Reflective
- 2. Color:

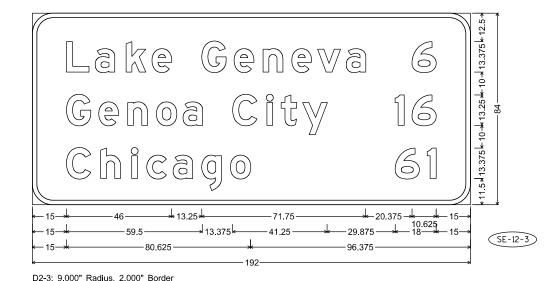
Background - Green

Message - White

3. Message Series - E Modified except all CAP words Series E



E9-1, 6.000" Radius, 2.000" Border



MORTH Lake Geneva Burlington 14.375 k + 4.25 SE-12-4

E1-5P; 9.000" Radius, 2.000" Border E1-1A; 12.000" Radius, 3.000" Border

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO:

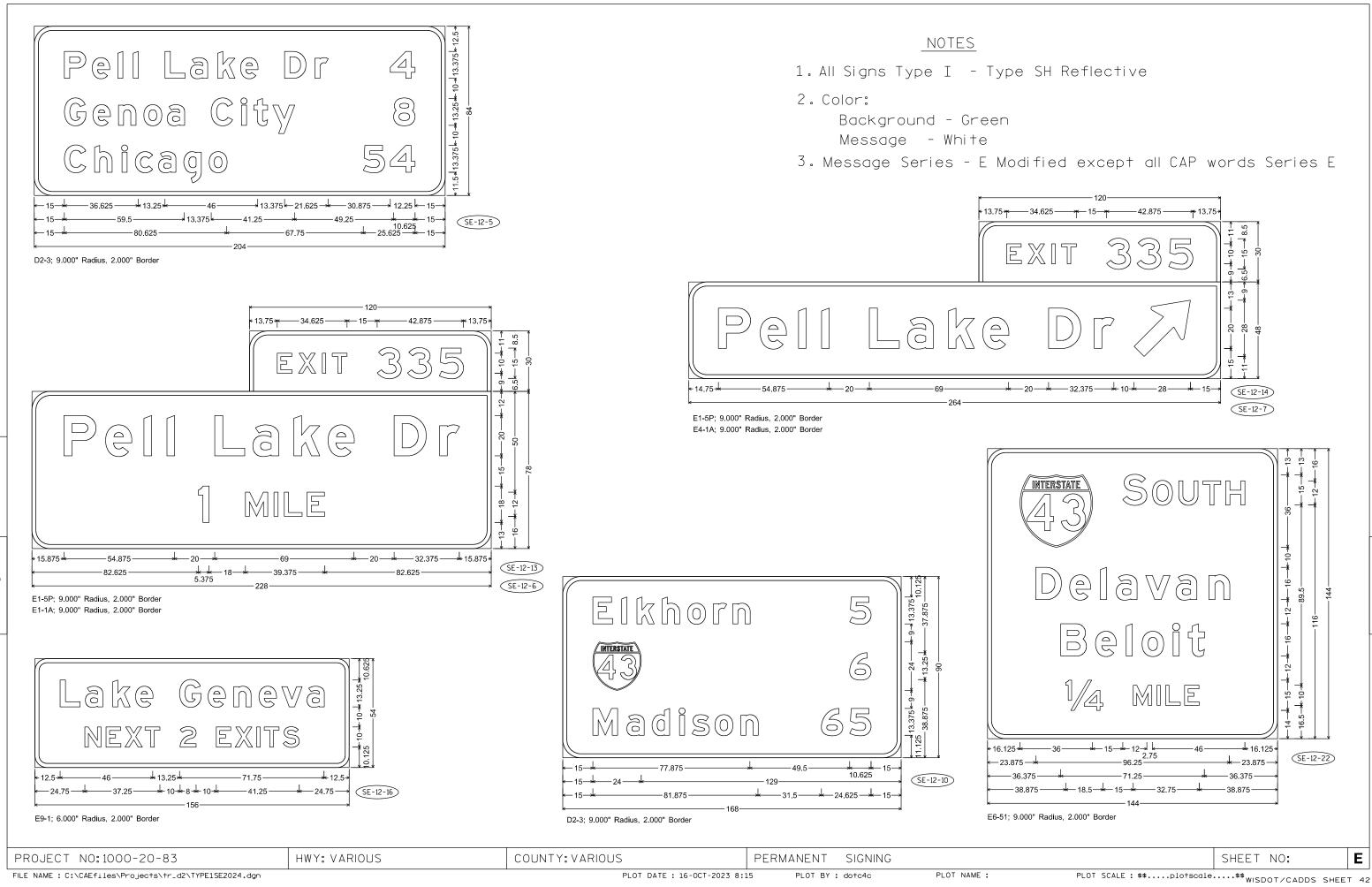
FILE NAME : C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

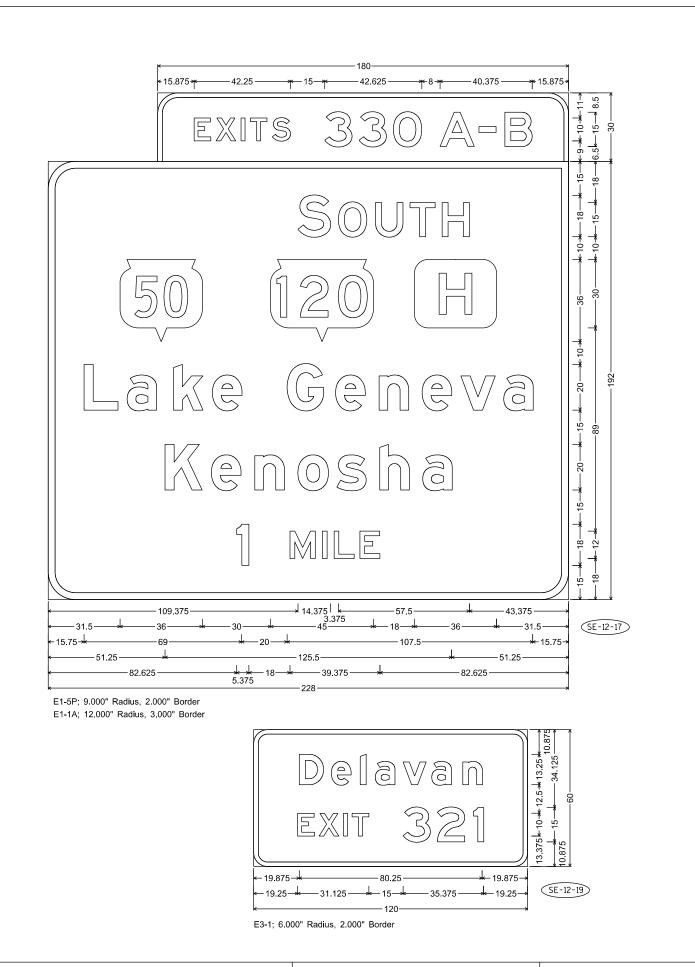
PLOT DATE: 19-0CT-2023 8:52

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



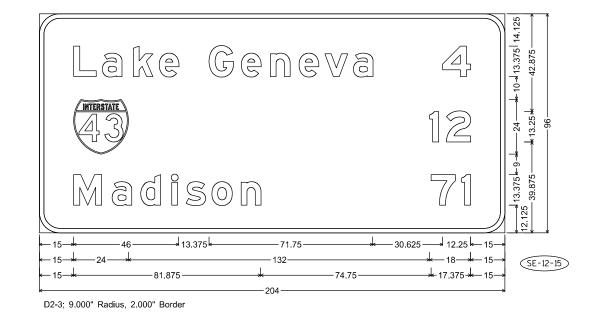


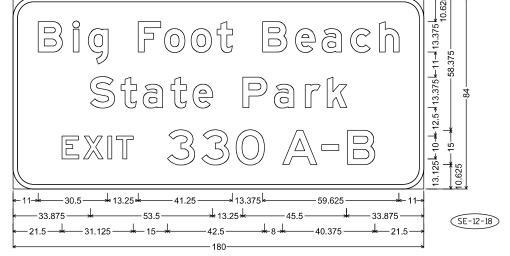
- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green

Message - White

3. Message Series - E Modified except all CAP words Series E





E3-1, 9.000" Radius, 2.000" Border

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO: | **E** |

FILE NAME: C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

PLOT DATE: 16-OCT-2023 8:15

PLOT BY: dotc4c

PLOT NAME:

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

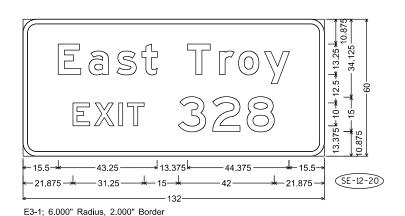
7

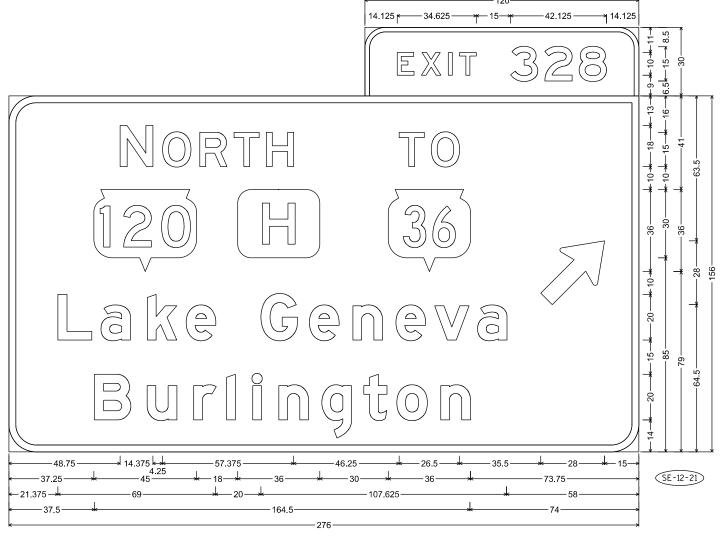
- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green

Message - White

3. Message Series - E Modified except all CAP words Series E





E1-5P; 9.000" Radius, 2.000" Border E4-1A; 12.000" Radius, 3.000" Border

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO: **E**

FILE NAME : C:\CAEfiles\Projects\tr_d2\TYPE1SE2024.dgn

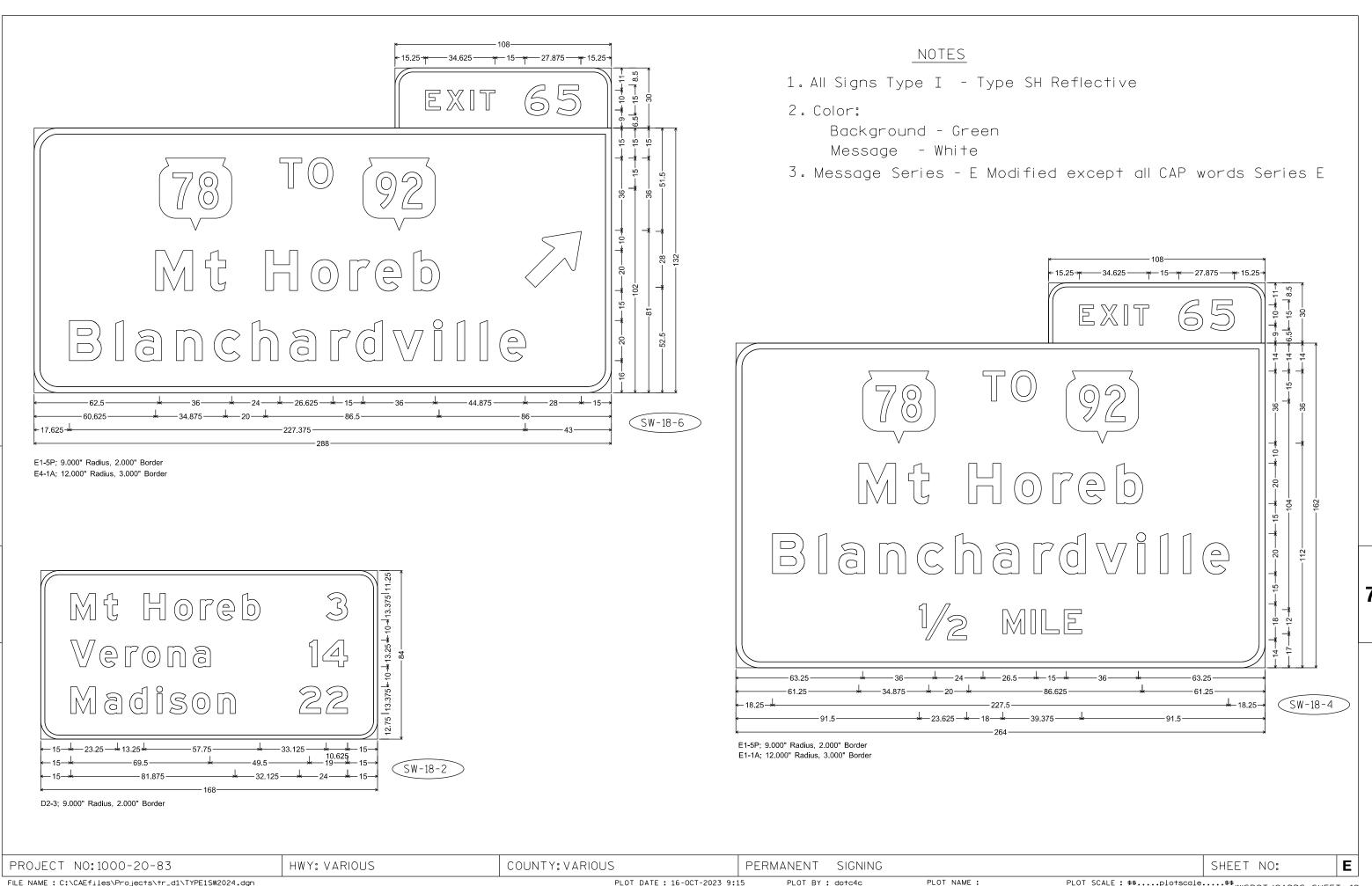
PLOT DATE: 16-OCT-2023 8:15

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

-



FILE NAME : C:\CAEfiles\Projects\tr_d1\TYPE1SW2024.dgn

PLOT DATE: 16-0CT-2023 9:15

PLOT BY : dotc4c

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

E3-1; 9.000" Radius, 2.000" Border, White on Brown "EXIT", E; "65", E

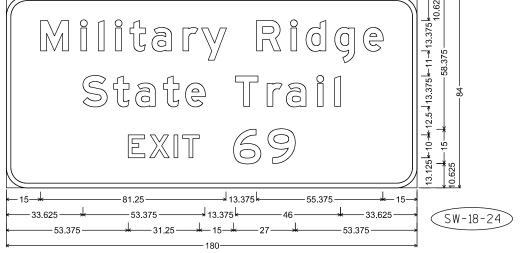
NOTES

- 1. All Signs Type I Type SH Reflective
- 2. Color:

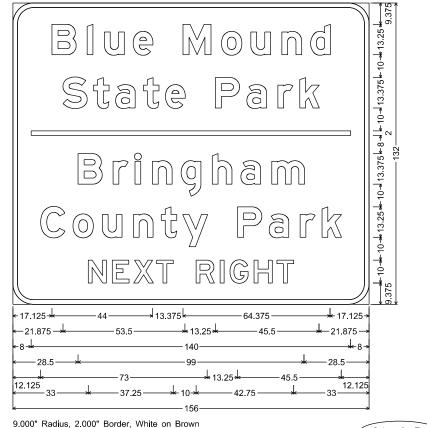
Background - Brown

Message - White

3. Message Series - E Modified except all CAP words Series E



E3-1; 9.000" Radius, 2.000" Border "EXIT", E; "69", E



(SW-18-31)

PLOT NAME :

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO:

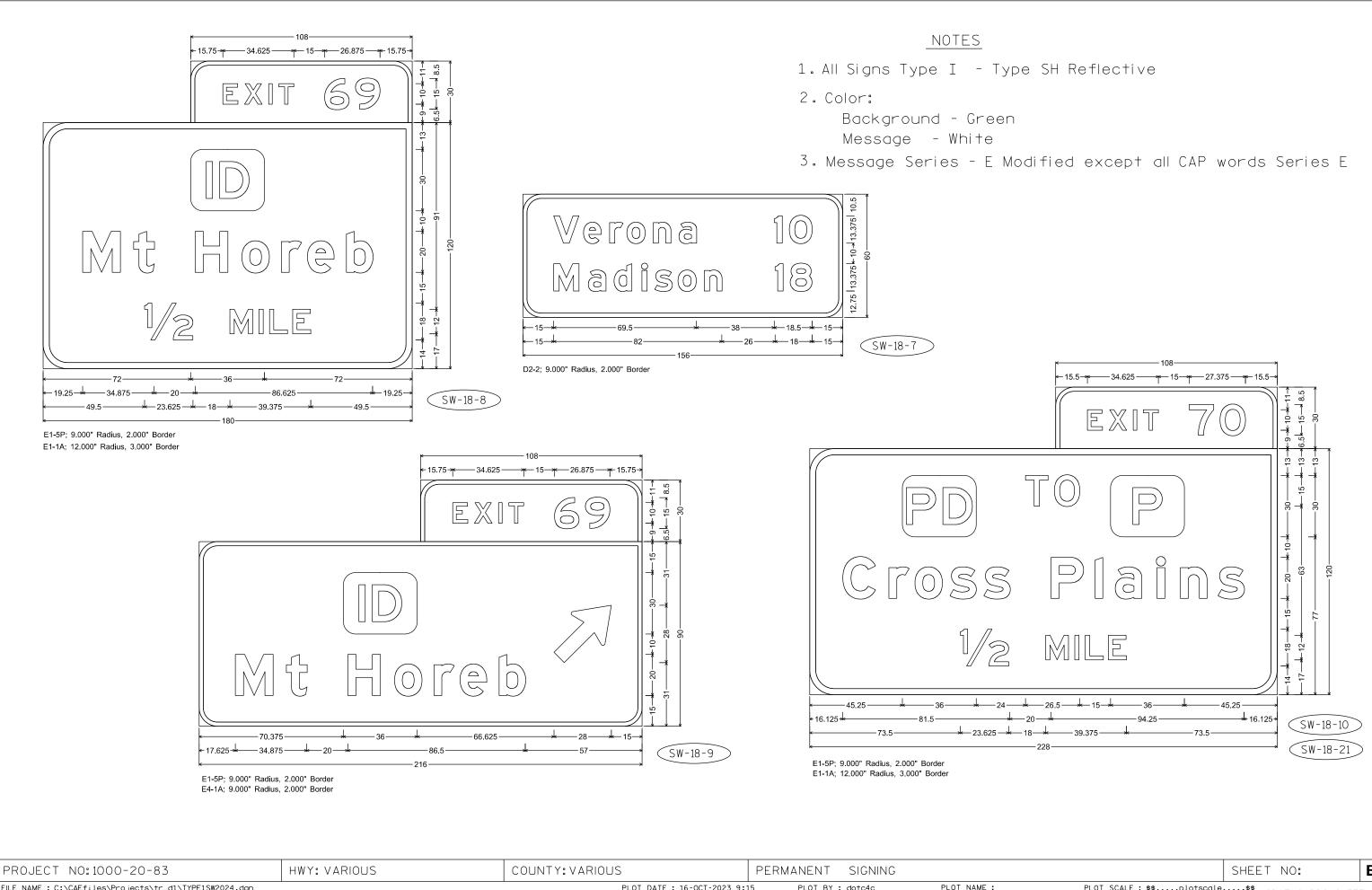
FILE NAME : C:\CAEfiles\Projects\tr_d1\TYPE1SW2024.dgn

9.000" Radius, 2.000" Border, White on Brown

PLOT DATE: 16-OCT-2023 9:15

PLOT BY : dotc4c

PLOT SCALE : \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

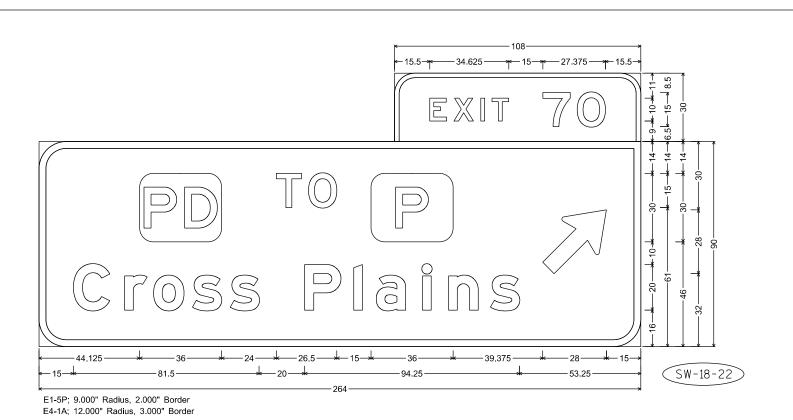


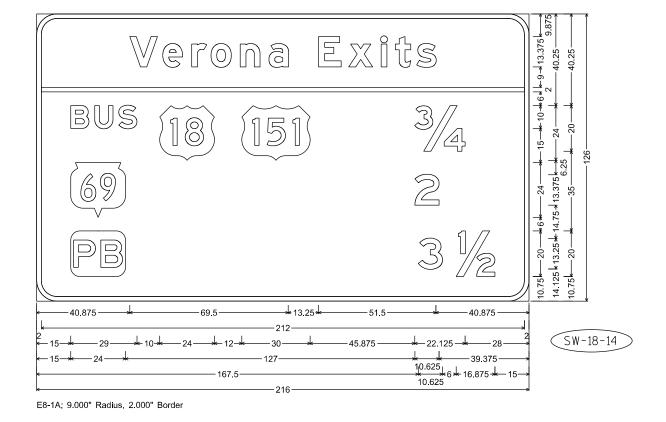
FILE NAME : C:\CAEfiles\Projects\tr_d1\TYPE1SW2024.dgn

PLOT DATE: 16-OCT-2023 9:15

PLOT BY : dotc4c

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



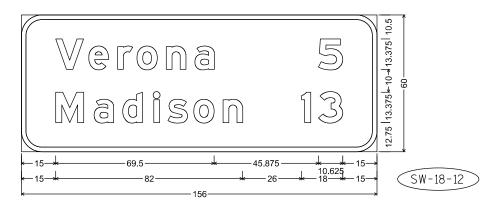


- 1. All Signs Type I Type SH Reflective
- 2. Color:

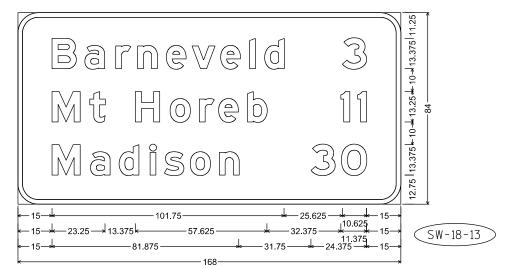
Background - Green

Message - White

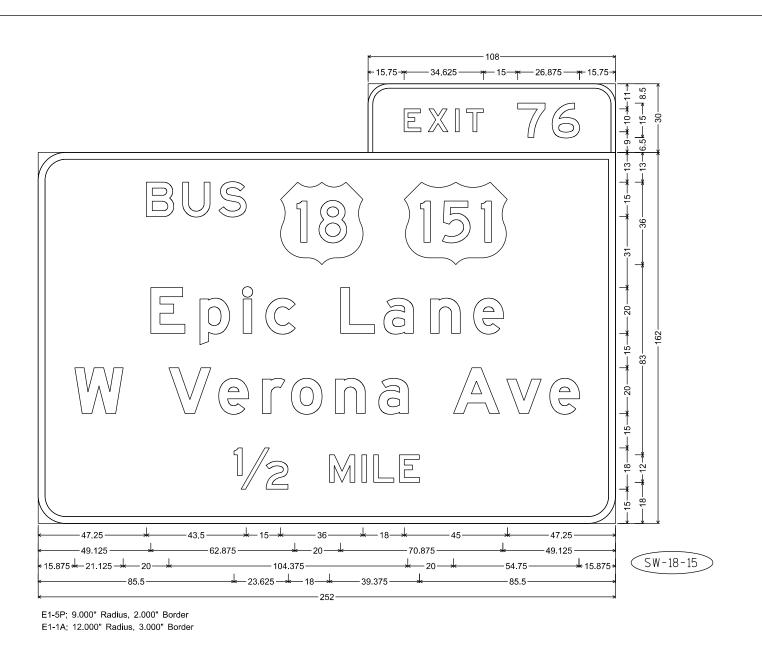
3. Message Series - E Modified except all CAP words Series E



D2-2; 9.000" Radius, 2.000" Border



D2-3; 9.000" Radius, 2.000" Border

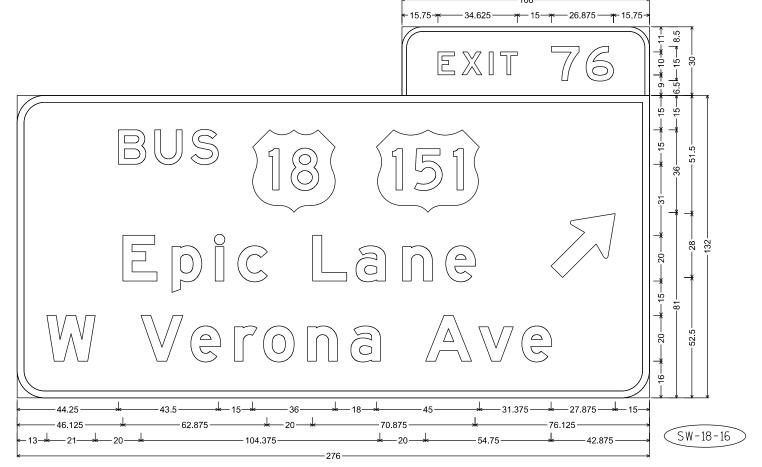


1. All Signs Type I - Type SH Reflective

2. Color:

Background - Green Message - White

3. Message Series - E Modified except all CAP words Series E



E1-5P; 9.000" Radius, 2.000" Border E4-1A; 12.000" Radius, 3.000" Border

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO: **E**

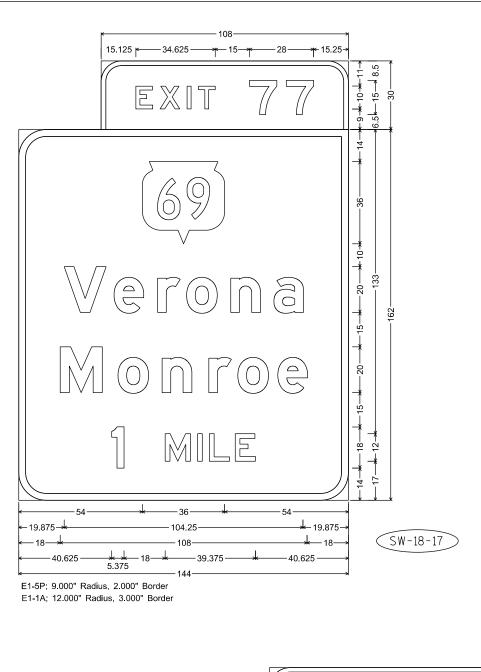
FILE NAME: C:\CAEfiles\Projects\tr_d1\TYPE1SW2024.dgn

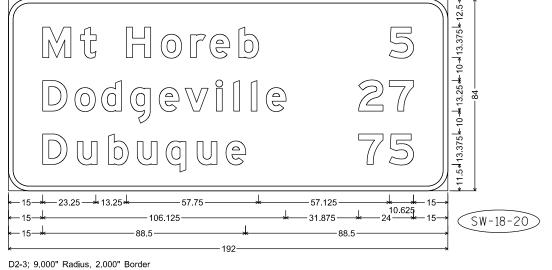
PLOT DATE: 16-OCT-2023 9:15

PLOT BY: dotc4c

PLOT NAME:

PLOT SCALE: \$\$.....plotscale.....\$\$
WISDOT/CADDS SHEET 42





COUNTY: VARIOUS

HWY: VARIOUS

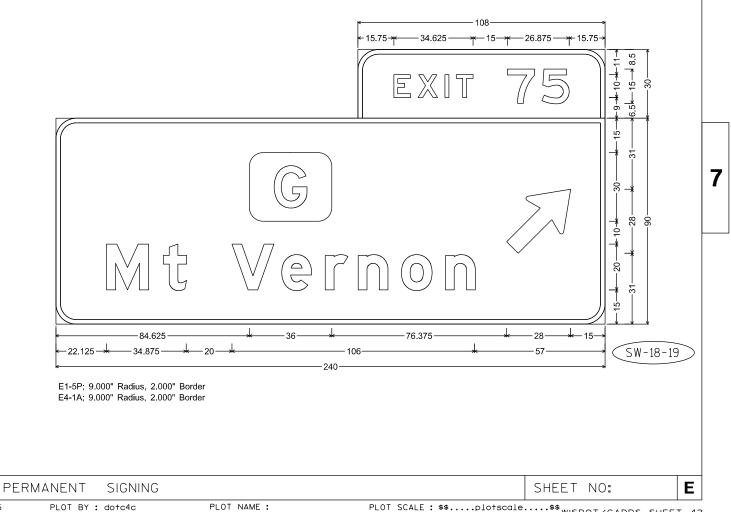
NOTES

- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green

Message - White

3. Message Series - E Modified except all CAP words Series E



FILE NAME : C:\CAEfiles\Projects\tr_d1\TYPE1SW2024.dgn

PROJECT NO:1000-20-83

PLOT DATE: 16-OCT-2023 9:15

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

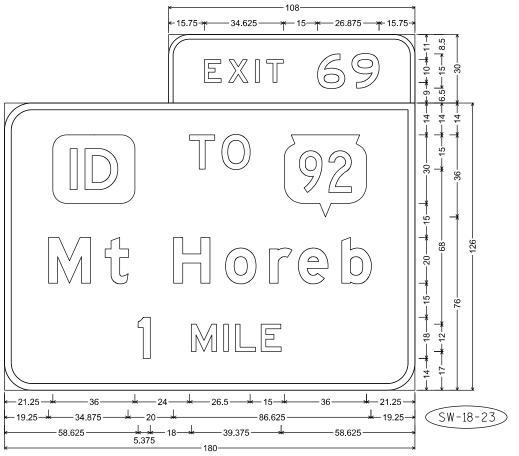


- 1. All Signs Type I Type SH Reflective
- 2. Color:

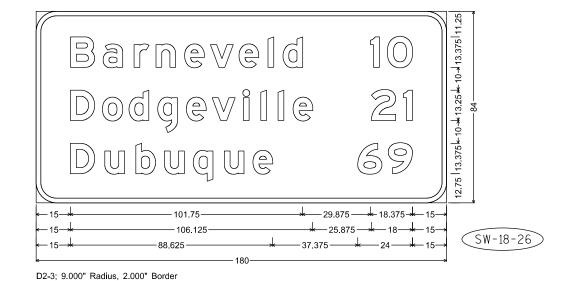
Background - Green

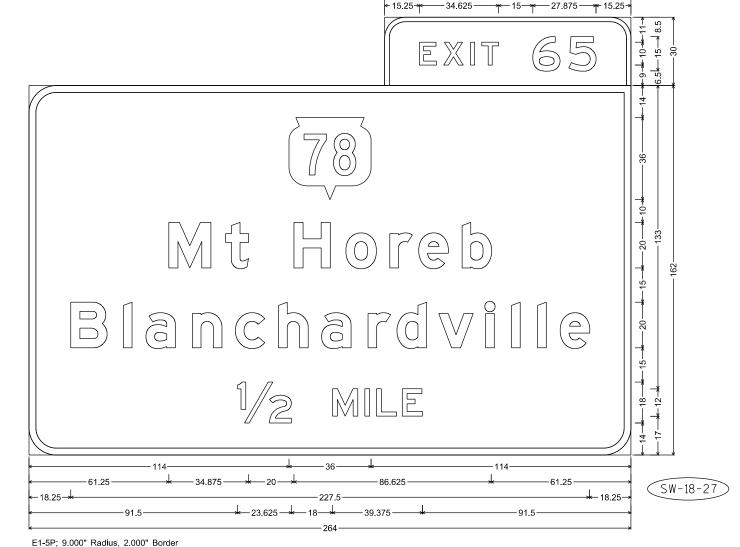
Message - White

3. Message Series - E Modified except all CAP words Series E



E1-5P; 9.000" Radius, 2.000" Border E1-1A; 12.000" Radius, 3.000" Border





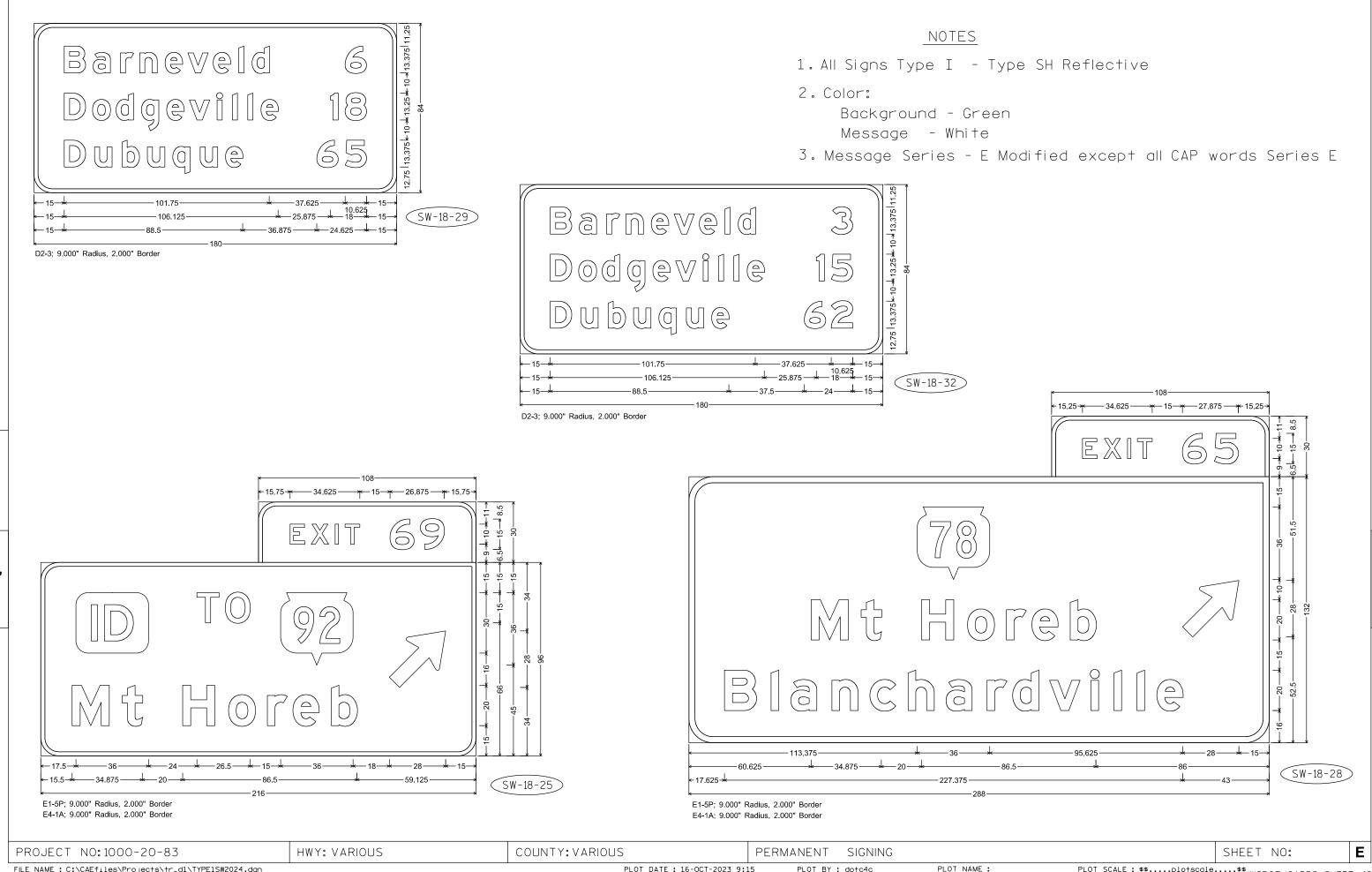
E1-5P; 9.000" Radius, 2.000" Border E1-1A; 12.000" Radius, 3.000" Border

PROJECT NO:1000-20-83 HWY: VARIOUS COUNTY: VARIOUS PERMANENT SIGNING SHEET NO: **E**

FILE NAME: C:\CAEfiles\Projects\tr_d1\TYPE1SW2024.dgn PLOT DATE: 16-OCT-2023 9:15 PLOT BY: dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

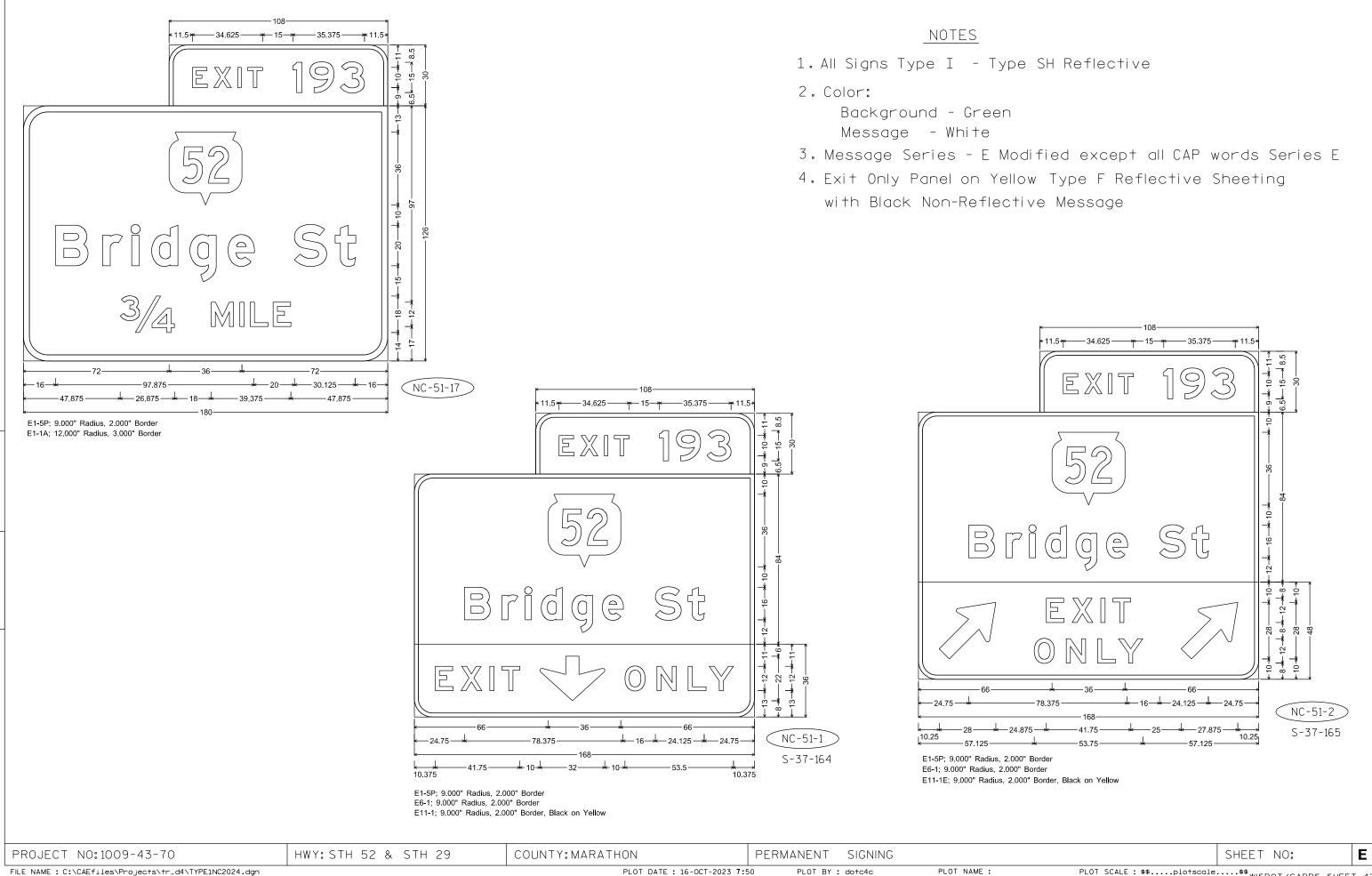


FILE NAME : C:\CAEfiles\Projects\tr_d1\TYPE1SW2024.dgn

PLOT DATE: 16-OCT-2023 9:15

PLOT BY : dotc4c

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



FILE NAME : C:\CAEfiles\Projects\tr_d4\TYPE1NC2024.dgn

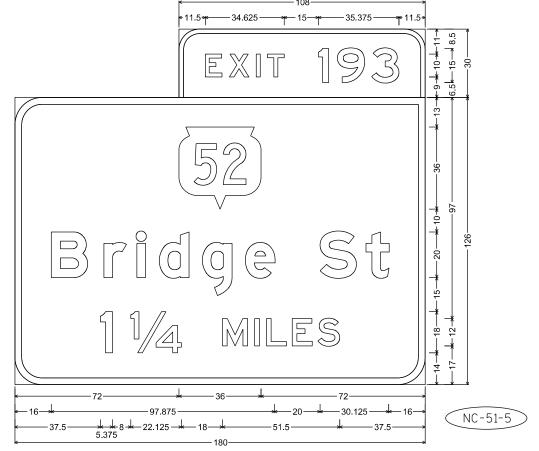
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

- 1. All Signs Type I Type SH Reflective
- 2. Color:

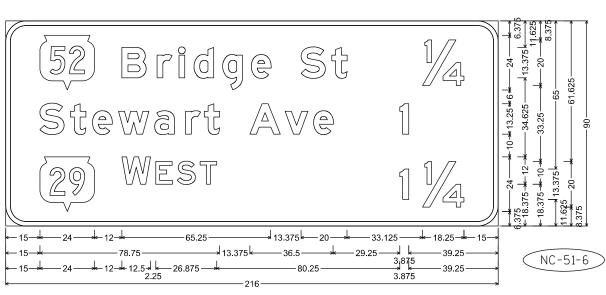
Background - Green

Message - White

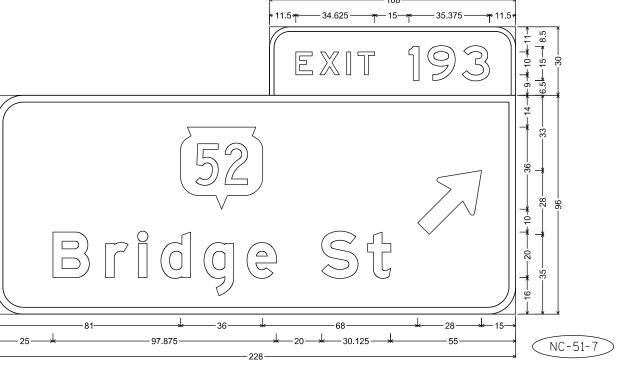
3. Message Series - E Modified except all CAP words Series E



E1-5P; 9.000" Radius, 2.000" Border E1-1A; 12.000" Radius, 3.000" Border



E8-1, 9.000" Radius, 2.000" Border



E1-5P; 9.000" Radius, 2.000" Border E4-1A; 12.000" Radius, 3.000" Border

PROJECT NO:1009-43-70 HWY: STH 52 & STH 29 COUNTY: MARATHON PERMANENT SIGNING SHEET NO: **E**

FILE NAME: C:\CAEfiles\Projects\tr_d4\TYPE1NC2024.dgn

PLOT DATE: 16-OCT-2023 7:50

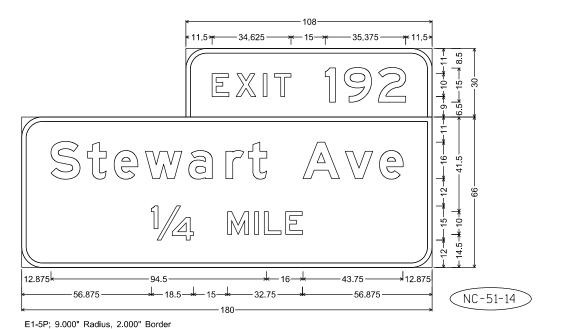
PLOT BY: dotc4c

PLOT NAME:

PLOT SCALE: \$\$.....plotscale....\$\$ WISDOT/CADDS SHEET 42

E1-5P; 9.000" Radius, 2.000" Border E6-51; 9.000" Radius, 2.000" Border

E6-51; 9.000" Radius, 2.000" Border



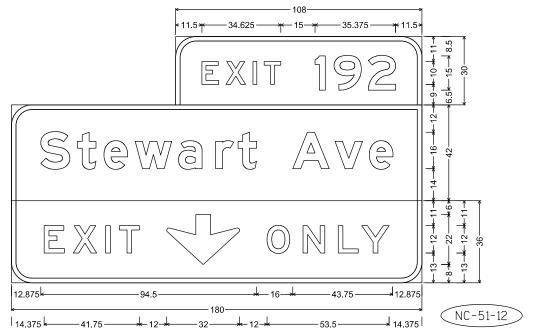
NOTES

1. All Signs Type I - Type SH Reflective

2. Color:

Background - Green Message - White

- 3. Message Series E Modified except all CAP words Series E
- 4. Exit Only Panel on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



E1-5P; 9.000" Radius, 2.000" Border E6-1; 9.000" Radius, 2.000" Border E11-1; 9.000" Radius, 2.000" Border, Black on Yellow

PROJECT NO:1009-43-70 HWY: STH 52 & STH 29 COUNTY: MARATHON PERMANENT SIGNING SHEET NO: **E**

FILE NAME : C:\CAEfiles\Projects\tr_d4\TYPE1NC2024.dgn

PLOT DATE: 16-0CT-2023 7:50

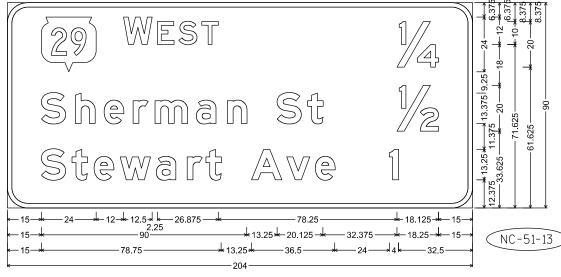
PLOT BY : dotc4c

PLOT NAME: PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

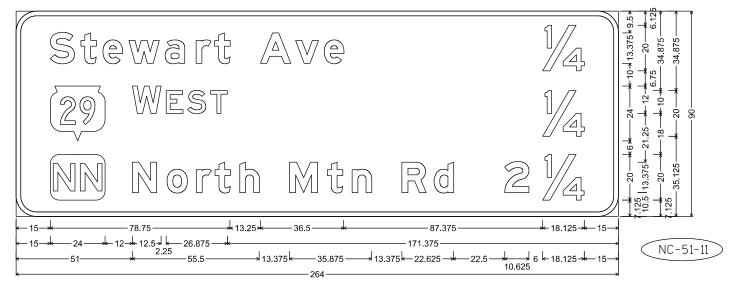
- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green Message - White

3. Message Series - E Modified except all CAP words Series E



E8-1; 9.000" Radius, 2.000" Border



E8-1; 9.000" Radius, 2.000" Border

PROJECT NO:1009-43-70 HWY:STH 52 & STH 29 COUNTY:MARATHON PERMANENT SIGNING SHEET NO:

FILE NAME: C:\CAEfiles\Projects\tr_d4\TYPE1NC2024.dgn

PLOT DATE: 16-OCT-2023 7:50

PLOT BY: dotc4c

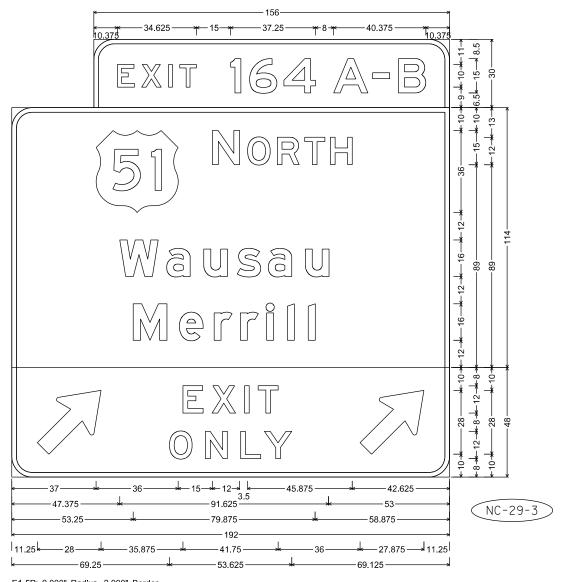
PLOT NAME:

PLOT SCALE: \$\$.....plotscale....\$\$ WISDOT/CADDS SHEET 42

- 1. All Signs Type I Type SH Reflective
- 2. Color:

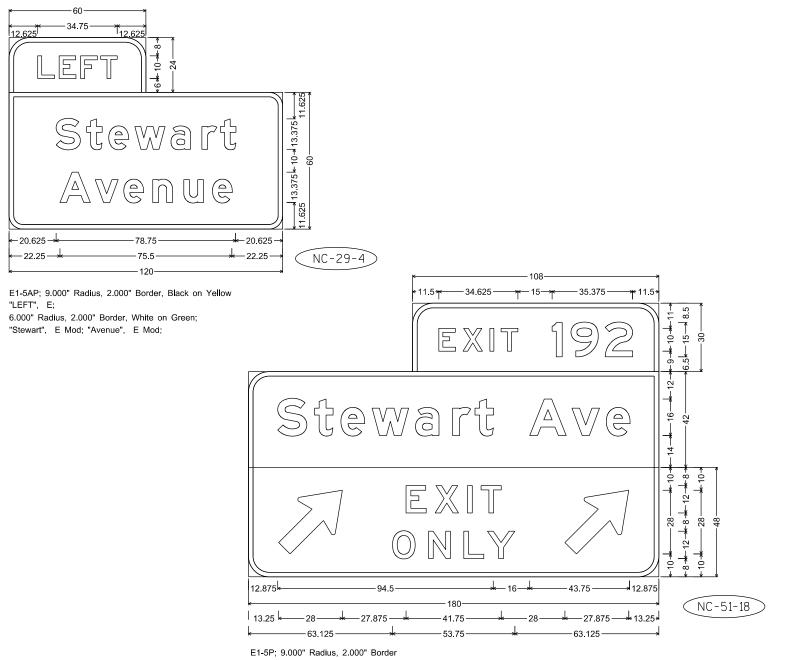
Background - Green Message - White

- 3. Message Series E Modified except all CAP words Series E
- 4. Exit Only Panel on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



E1-5P; 9.000" Radius, 2.000" Border E6-1; 9.000" Radius, 2.000" Border

E11-1E; 9.000" Radius, 2.000" Border, Black on Yellow



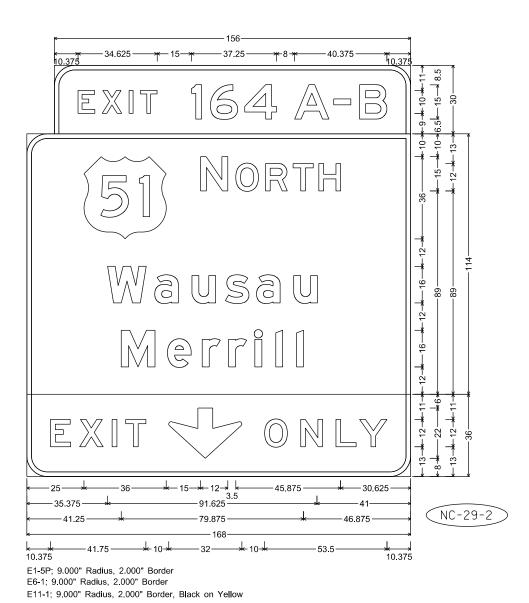
E6-1: 9.000" Radius. 2.000" Border

E11-1E; 9.000" Radius, 2.000" Border, Black on Yellow

PROJECT NO: 1009-43-70 HWY: STH 52 & STH 29 COUNTY: MARATHON PERMANENT SIGNING SHEET NO: Ε

FILE NAME : C:\CAEfiles\Projects\tr_d4\TYPE1NC2024.dgn

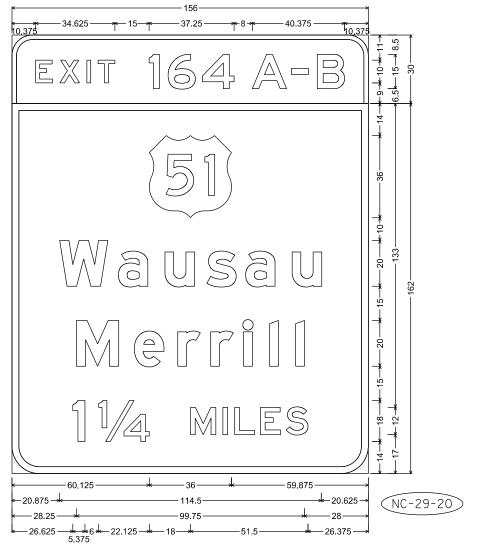
PLOT DATE: 16-0CT-2023 7:50 PLOT BY : dotc4c PLOT NAME :



- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green Message - White

- 3. Message Series E Modified except all CAP words Series E
- 4. Exit Only Panel on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



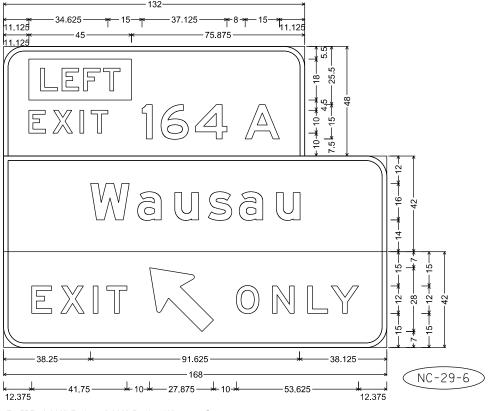
E1-5P; 9.000" Radius, 2.000" Border E1-1A: 12.000" Radius, 3.000" Border

PROJECT NO:1009-43-70 HWY: STH 52 & STH 29 COUNTY: MARATHON PERMANENT SIGNING SHEET NO: **E**

- 1. All Signs Type I Type SH Reflective
- 2. Color:

Background - Green Message - White

- 3. Message Series E Modified except all CAP words Series E
- 4. Exit Only Panel on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



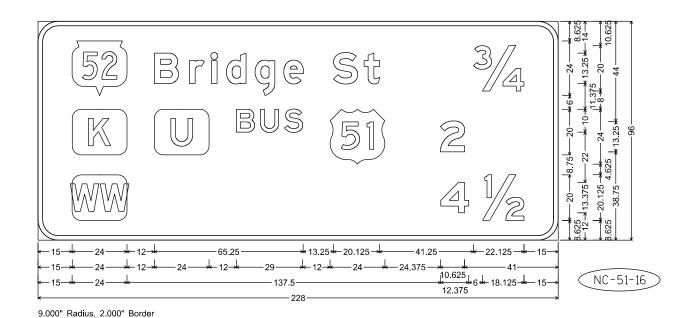
E1-5BP; 9.000" Radius, 2.000" Border, White on Green

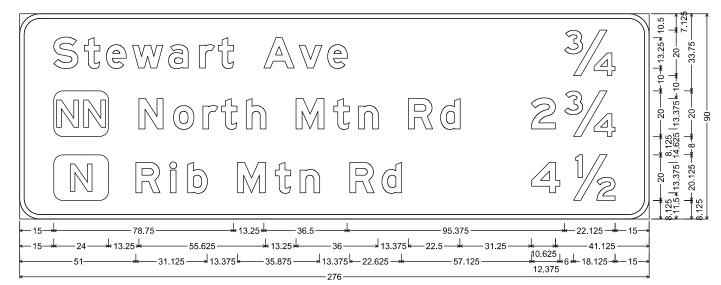
Rectangle Yellow,

"EXIT", E specified length; "164", E; "A", E;

E6-1; 9.000" Radius, 2.000" Border

E11-1D; 9.000" Radius, 2.000" Border, Black on Yellow





E8-1; 9.000" Radius, 2.000" Border

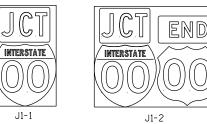
72nd Ave Stewart Ave North Mtn Rd →4 k-9 - k- 18.125 - k-- 15-4 - 22.125 - 15-------36.5---- 10.625 ***** 7 *** 18.125 *** 15 -10.625 NC-29-19 → 13.375 k 35.875 → 13.375 k 22.625 → 21.5

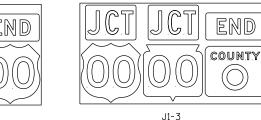
E8-1; 9.000" Radius, 2.000" Border

PROJECT NO: 1009-43-70 HWY: STH 52 & STH 29 COUNTY: MARATHON PERMANENT SIGNING SHEET NO:

NC-29-1

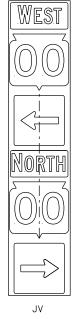
TYPICAL ASSEMBLIES



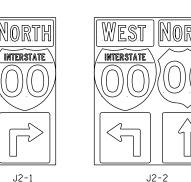




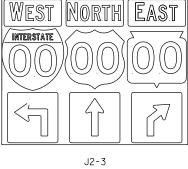


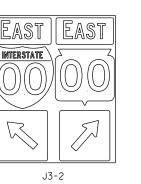


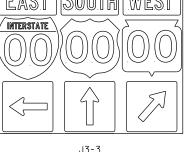
(Typical Vertical J-Assembly See Note 10 and 11)







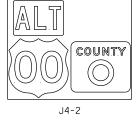


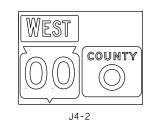


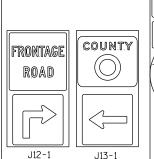
J3-3



J3-1

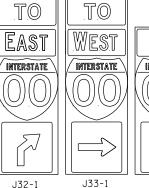


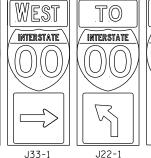


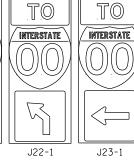


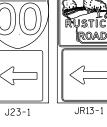






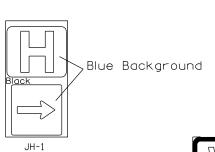


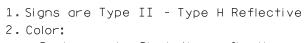










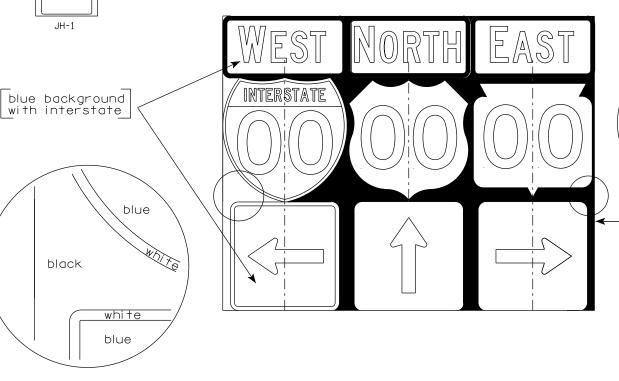


Background - Black Non-reflective Message - see Note 5

3. Message Series - See Note 5

NOTES

- 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 areater 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.



black white black background

ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE <u>3</u>/18/21

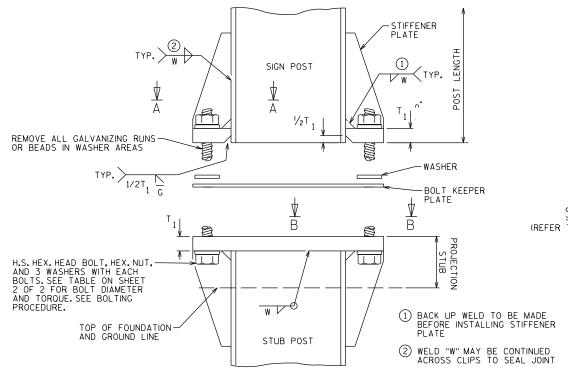
PLATE NO. <u>A2-1S.9</u>

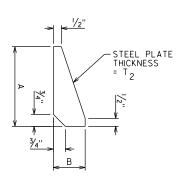
Ε

For State Traffic Engineer

PROJECT NO:

PLOT BY : msc i9h PLOT NAME :





STIFFENER PLATE DETAIL (REFER TO TABLE ON SHEET 2 OF 2 FOR DIMENSIONS)

PERFORATED FUSE PLATE

€ OF POST -CUT AND FUSE PLATES

FLAT WASHER

K/2 K/2 DIA. = D € FUSE PLATE FUSE

PERFORATED FUSE PLATE DETAIL

USE H.S. HEX HEAD BOLTS, HEX HEAD NUT AND FLAT WASHER UNDER NUT. INSTALL BOLTS PER THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 506.3.12.3.

ALL HOLES SHALL BE DRILLED, SUB-PUNCHED AND REAMED. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GROUND. METAL PROJECTING BEYOND THE PLANE OF THE PLATE FACE WILL NOT BE PERMITTED. STEEL FUSE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36. ASTM A572 GRADE 50 OR ASTM A588 MAY BE SUBSTITUTED FOR A36 AT THE OPTION OF THE FABRICATOR. MILL TEST REPORTS SHALL BE SUBMITTED FOR FUSE PLATES. STEEL USED SHALL HAVE AN ULTIMATE TENSILE STRENGTH NOT TO EXCEED 80 KSI.

PERFORATED FUSE PLATE

-PARTS SHALL BE SAW CUT EITHER BEFORE GALVANIZING AND THE GALVANZED CUT CLEANED OF ZINC BUILD-UP, OR SAW CUT AFTER GALVANIZING AND THE CUT

SURFACE REPAIRED.

-FLAT WASHER

SEE TABLE (SHEET 2 OF F/2 + 1/2" F/2 28 U OF CUT AND FUSE SEE "FUSE PLATE -CONNECTION DETAIL" SEE "SIGN POST & STUB POST ELEVATION" DETAIL -1 ¼" DIA. HOLE FOR HANDLING

- SIGN FACE

-TOP OF POST

& PRIMARY SIGN PANEL

FXTRUDED

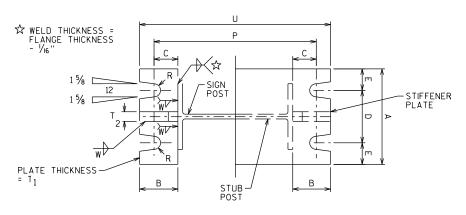
ALUMINUM SIGN PANELS

-BOTTOM OF LOWEST SIGN PANEL

FXIT NUMBER SUPPORT

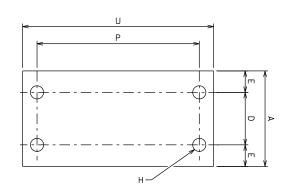
1 1/4" DIA. HOLE FOR HANDLING

SIGN POST & STUB POST ELEVATION



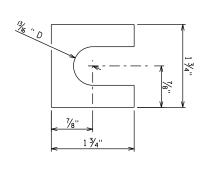
SECTION A-A

SECTION B-B



H = BOLT DIA. + 1/8"

BOLT KEEPER PLATE DETAIL 30 GA GALVANIZED SHEET STEEL



SHIM DETAIL

FURNISH TWO .012"± THICK AND TWO .032"± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B36.

BOLTING PROCEDURE FOR BASE CONNECTION

-FLANGE HOLES SHALL BE DRILLED

- 1. ASSEMBLE SIGN POST, BOLT KEEPER PLATE, AND STUB POST WITH BOLTS AND THREE FLAT WASHERS PER BOLT AS SHOWN.
- 2. SHIM AS REQUIRED TO PLUMB POST.

-FLAT WASHERS-(TYP.)

FUSE PLATE CONNECTION DETAIL

- 3. PRIOR TO BOLT TIGHTENING, LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
- 4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS.
- 5. LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PERSCRIBED TORQUE, (SEE TABLE FOR PERSCRIBED TORQUE), DO NOT OVER-TIGHTEN.
- 6. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

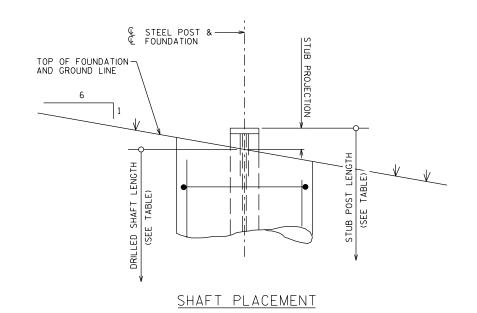
POST DETAIL

NO.		BY							
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION									
STRUCTURE BTO TYPE ISIGN									
			DRAWN BY		PLANS CK'D.				
		VNECTION		SHE	ET A	3-1.20			
		DUNDATION TAILS 1 OF	•						

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A31.DGN

PLOT DATE: 3-MAR-2020

PLOT BY : dotc4c



FOUNDATION DATA TABLE

									•	•
DOCT	C.T.U.D.	67.10	DRILLED	DRILLED	VEDTICAL	DADC	HOODS		CONCRETE	TOTAL
POST	STUB	STUB	SHAFT	SHAFT	VERTICAL	VERTICAL BARS		HOOPS		REINF.
SHAPE	LENGTH	PROJECTION	DIAMETER	LENGTH	SIZE	LENGTH	MAX SPA.	NO.	VOLUME	WEIGHT
W6X15	2'-6"	3"	24"	6'-6"	#5	5'-11"	10''	9	0.8 CY	7 1 LB
W8X18	2'-6"	3"	24"	7'-6"	#6	6'-11"	12"	8	0.9 CY	102 LB
W8X21	3'-0"	21/2"	24"	8'-0"	#6	7'-5"	12"	თ	1.0 CY	110 LB
W10X22	3'-0"	21/2"	24"	8'-6"	#7	7'-11''	12"	9	1.0 CY	151 LB
W12X26	3'-0"	21/2"	24"	10'-0"	#7	9'-5"	12"	11	1.2 CY	180 LB

QUANTITIES SHOWN ARE FOR ONE DRILLED SHAFT

BASE CONNECTION & FUSE PLATE DATA TABLE

		BASE CONNECTION DATA						BOLT KEEPER PLATE DATA PERFORATED FUSE PLATE DATA																	
POST	WEIGHT	BOLT SIZE					_	Τ.						_	0					-		BOLT	WGT.EA.	BOLT	
SHAPE	PER FOOT	& TORQUE	А	В	L	ט	E	11	T2	W	R	Р	U	F	G	J	K	М	D1	D2	13	DIA.	LBS	LENGTH	V 🔼
W6X15	15 LB	5⁄8" DIA. X 4"	E.,	2"	11 / 11	23/4"	11/8"	11 / 11	17.11	17.11	11/ "	81/2"	10"	5"	21/2"	6"	31/2"	11/2"	11/16	11/4"	3/8"	5/8"	2.4	2	73.0 LB
W8X18	18 LB	36 TO 38 FT-LB	2	2	11/4"	274	178	17/4	72	1/4"	¹¹ / ₃₂ ''	105/8"	12 ¹ /8"	5"	21/2"	51/4"	2¾"	1 ¹ /4"	11/16 '	11/16"	%"	5/8"	2.0	2	83.0 LB
W8X21	21 LB	3/4" DIA. X 43/4"										11''	123/4"	51/2"	21/2"	51/4"	23/4"	11/4"	13/16	1''	1/2"	3/4"	3.1	21/4"	124 . 0 LB
W10X22	22 LB	62 TO 63 FT-LB	6"	21/4"	13/8"	31/2"	11/4"	11/2"	3/4"	5/16 "	13/32	12 1/8"	145/8"	6"	3"	5¾"	2¾"	13/8"	13/16 '	11/8"	1/2"	3/4"	3.9	21/4"	134 . 0 LB
W12X26	26 LB											15"	16¾"	6"	3"	61/2"	31/2"	15⁄8"	13/16	15/16 ''	1/2"	3/4"	4.5	21/4"	152 . 0 LB

TOTAL STRUCTURAL CARBON STEEL WEIGHT FOR ONE POST = V + (POST LENGTH X POST WEIGHT PER FOOT)

"V" INCLUDES STUB POST, BASE PLATES, STIFFENER PLATES, PERFORATED FUSE PLATES, BOLTS, NUTS, AND WASHERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

MATERIALS SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506, UNLESS NOTED OTHERWISE.

FABRICATION SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506.

ALL POST, POST STUBS & ATTACHMENTS SHALL BE ASTM A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.

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.

FOUNDATION MATERIAL PROPERTIES

CONCRETE MASONRY
BAR STEEL REINFORCEMENT (UNCOATED), GRADE 60 FY = 60,000 P.S.I.

DESIGN DATA

DESIGN CONFORMS TO AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS 1ST EDITION 2015 (WITH 2017 & 2018 INTERIM REVISIONS).

DEAD LOADS (DL):

- STEEL POST SELF WEIGHT SIGN PANEL WEIGHT = 3 PSF

WIND LOADS (WL):

WIND LOADS WERE APPLIED TO THE PROJECTED AREAS OF THE SIGN PANELS AND THE STEEL SIGN POSTS.

- BASIC WIND SPEED = 76 MPH
- BASIC WIND SPEED = 76 MPH
 MEAN RECURRANCE INTERVAL (MRI) = 10 YEARS
 HEIGHT & EXPOSURE FACTOR = 1.00
 DIRECTIONALITY FACTOR = 0.85
 GUST EFFECT FACTOR = 1.14

WIND LOAD CASES:

- WL CASE 1: 1.0 X NORMAL WIND WL CASE 2: 1.0 X TRANSVERSE WIND WL CASE 3: 0.75 X NORMAL WIND + 0.75 X TRANSVERSE WIND

LOAD COMBINATIONS:

LOAD COMBINATION	TYPE	DL FACTOR	WL FACTOR		
STRENGTH I	GRAVITY	1.25	-		
EXTREME I	WIND	1.10	1.0		
EXINEME	WIND	0.9	1.0		
SERVICE I	DEFLECTION	1.0	1.0		

FOUNDATION DESIGN DATA

THE FOUNDATION DESIGN ASSUMED COHESIONLESS SOILS (LOOSE SAND) ABOVE THE WATER TABLE WITH THE FOLLOWING PROPERTIES:

- SOIL UNIT WEIGHT = 115 PCF ANGLE OF INTERNAL FRICTION = 24 DEGREES SOIL MODULUS PARAMETER = 25 LB/IN3

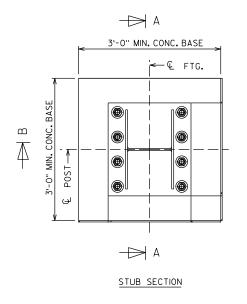
NO.	BY							
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION								
STRUCTURE BTO TYPE ISIGNS								
			DRAWN BY		PLANS CK'D.	•		
		NECTION		SHE	ET A	3-1.20		
	FOUNDATION DETAILS 2 OF 2							

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A31.DGN

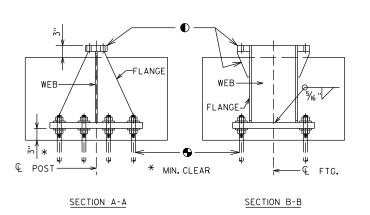
PLOT DATE: 3-MAR-2020

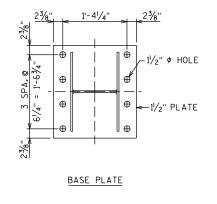
PLOT BY : dotc4c

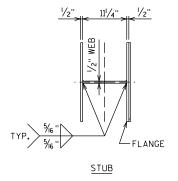
STUB AND ADHESIVE ANCHOR DETAILS

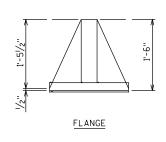


 $_{\Omega}$









- SEE BASE CONNECTION DETAILS ON "CONNECTIONS & FOUNDATION DETAILS" SHEETS.
- ◆ ADHESIVE ANCHORS 11/4-INCHES. ALLOWABLE PULL OUT CAPACITY = 15 KIPS. EMBED 1:-3" INTO ROCK.

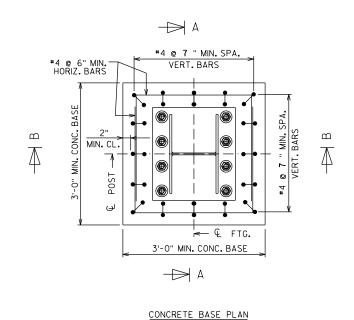
GENERAL NOTES:

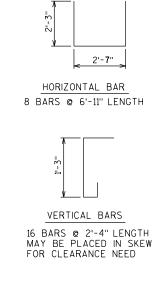
QUANTITIES PER BASE: REINFORCING STEEL = 62 LB CONCRETE = 0.6 CY STRUCTURAL STEEL = 335 LB

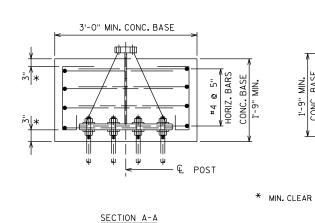
ALL MATERIALS, EXCEPT FOR ANCHOR ROD, NUTS, AND WASHERS, SHALL BE ASTM A709 GRADE 50. ALL MATERIALS TO BE GALVANIZED AFTER FABRICATION.

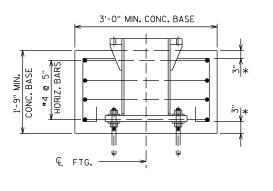
IF ROCK IS ENCOUNTERED PRIOR TO REACHING THE MINIMUM DRILLED SHAFT EMBEDMENT DEPTH DEFINED ON THE FOUNDATION DATA TABLE OF THE "CONNECTIONS & FOUNDATION DETAILS 2 OF 2" SHEET, THE CONTRACTOR SHALL INSTALL A TEST ADHESIVE ANCHOR AND DETERMINE THE PULL-OUT CAPACITY. THE FIELD TEST RESULTS IN A PULL-OUT CAPACITY GREATER THAN OR EQUAL TO 15 KIPS, THE CONTRACTOR MAY INSTALL THE ALTERNATE CONCRETE BASE AND BREAK-WAY STUB PER THE DETAILS ON THIS SHEET.

CONCRETE BASE DETAILS









SECTION B-B

NO. DATE BY REVISION STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION STRUCTURE BTO TYPE ISIGNS ALTERNATE SHEET A3-1M.2 BREAK-AWAY BASE ON ROCK

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A31M.DGN

PLOT DATE: 9-SEPT-2019

PLOT BY : dotc4c

INSTALLATION WITHOUT SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

FOR A 2-POST INSTALLATION, "S" EQUALS 3L/5, BUT SHALL NOT BE LESS THAN 6'-0".

FOR A 3-POST INSTALLATION, "S" EQUALS 5L/7, BUT SHALL NOT BE LESS THAN 12'-O". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-O".

⚠ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE A MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".

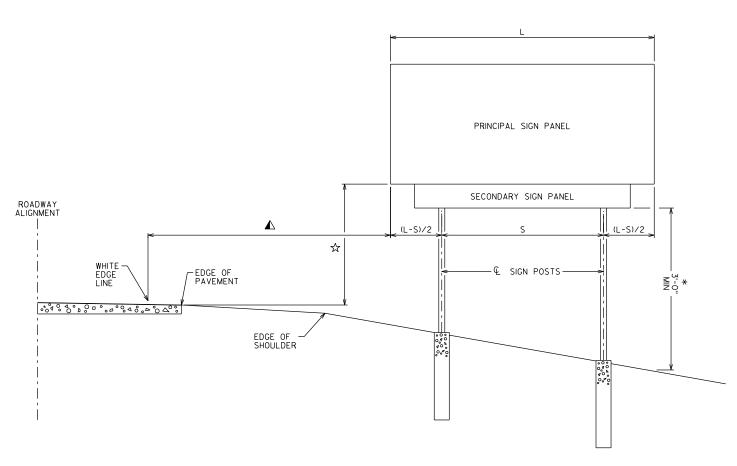
THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".

THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.

- THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS.FOR SECONDARY SIGN HEIGHTS LARGER THAN 3'-0", THE VERTICAL CLEARANCE TO THE BOTTOM OF THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.
- * THE VERTICAL SIGN GROUND CLEARANCE ON RIGHT END OF SIGN SHALL BE A MINIMUM OF 3'-O"±.

POST LENGTHS SHOWN IN THE MISCELLANEOUS OUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.

REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.



INSTALLATION WITH SECONDARY SIGN

NO. DATE REVISION BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

DRAWN
BY

TYPICAL TYPE I
SIGN INSTALLATION

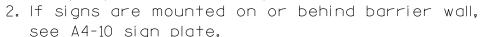
PROJECT NO: HWY: COUNTY: SHEET NO:

FILE NAME: C:\CAEFiles\Projects\tr_stdplate\A41.DGN

PLOT DATE : 25-MAR 2020 11:01

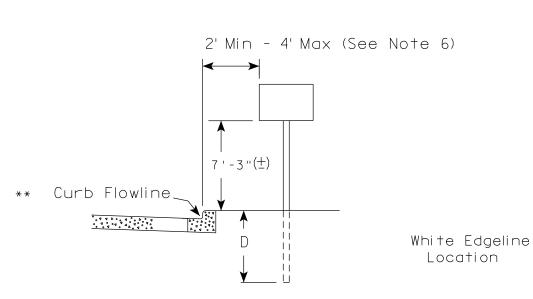
PLOT BY : mscj9h

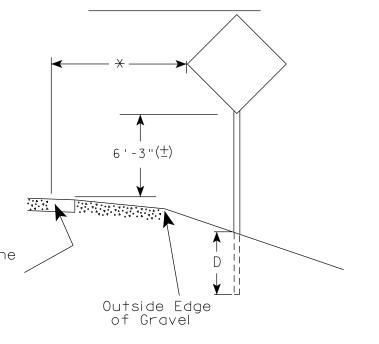
WISDOT/CADDS SHEET 42



The Double Arrow sign (W12-1D) 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). In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' ($\frac{+}{-}$).

- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is $5' - 3'' \stackrel{(\pm)}{-}$.
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. The (+) tolerance for mounting height is 3 inches.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.





2' Min - 4' Max (See Note 6) 6'-3"(±) ** Curb Flowline D

5'-3"(士) White Edgeline $D \parallel$ 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.

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 For State Traffic Engineer

DATE 5/13/2020

SHEET NO:

Ε

PROJECT NO: FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.dgn COUNTY:

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

PLOT DATE: 13-MAY 2020 1:04



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

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. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) 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), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4''-3'' (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- ** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer DATE 8/21/17 PLATE NO. <u>A4-4.15</u>





	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)							
	L	E						
***	Greater than 48" Less than 60"	12"						
	60" to 108"	L/5						

HWY:

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 108" to 144"	12''

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

SPACING OF FLANGED

30" Minimum

48" Maximum X X

CHANNEL STEEL POSTS

MAX

__ X

 \pm =2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL. MIN. YIELD STRENGTH

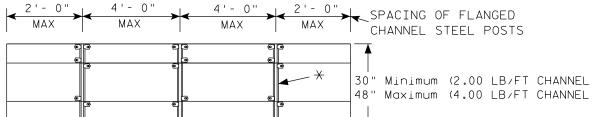
= 60.000 PSI (GRADE 60) GALVANIZED

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

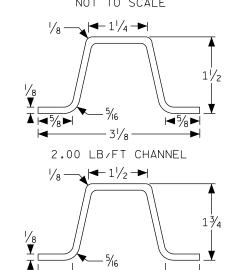
* * THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 15 FT OR LESS. FOR SIGNS WITH A

HEIGHT OF GREATER THAN 15 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

SIGN BRIDGE MOUNTED SIGN



FLANGE CHANNEL DETAILS



4.00 LB/FT CHANNEL

NOT TO SCALE

30" Minimum (2.00 LB/FT CHANNEL) 48" Maximum (4.00 LB/FT CHANNEL) 🗙 💥 $MAX \times \times \times$ $MAX \times X \times X$ $MAX \times X \times X$ $MAX \times X \times X$ 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.
- 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 Sian 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.

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ForState Traffic Engineer

SHEET NO:

DATE 1/07/20

PLATE NO. <u>A4-6.12</u>

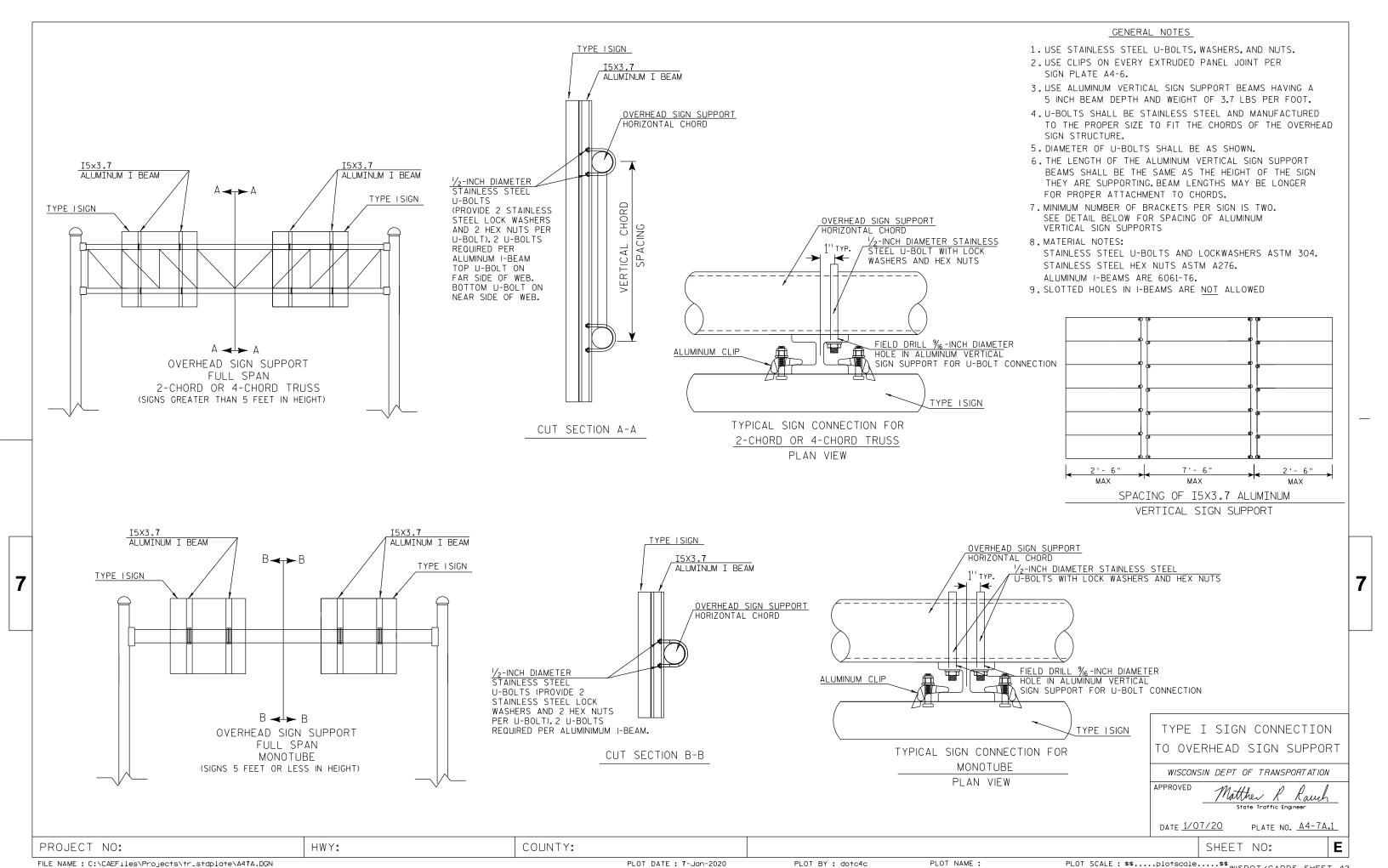
PROJECT NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A46.DGN

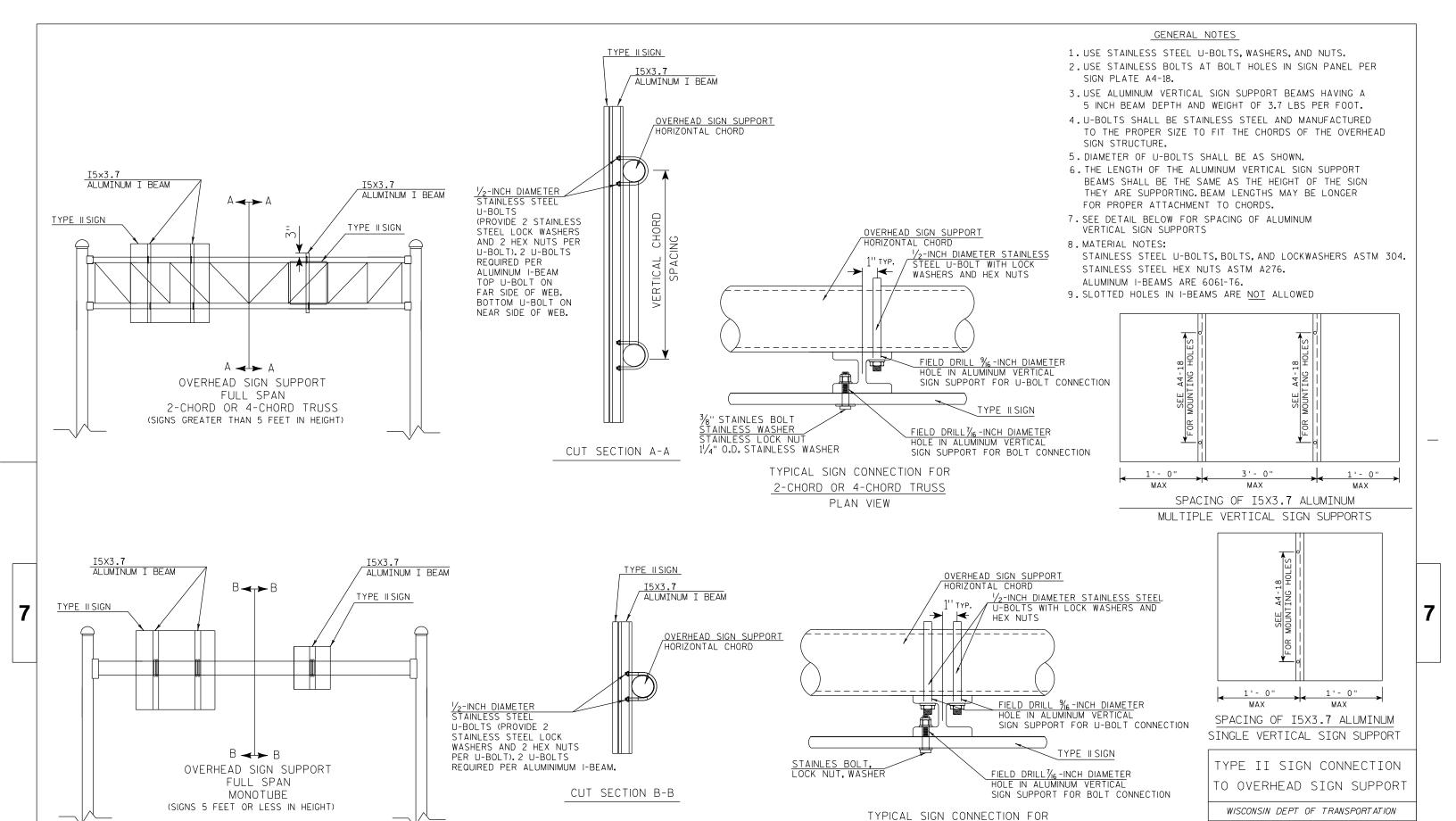
PLOT DATE: 7-Jan-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε





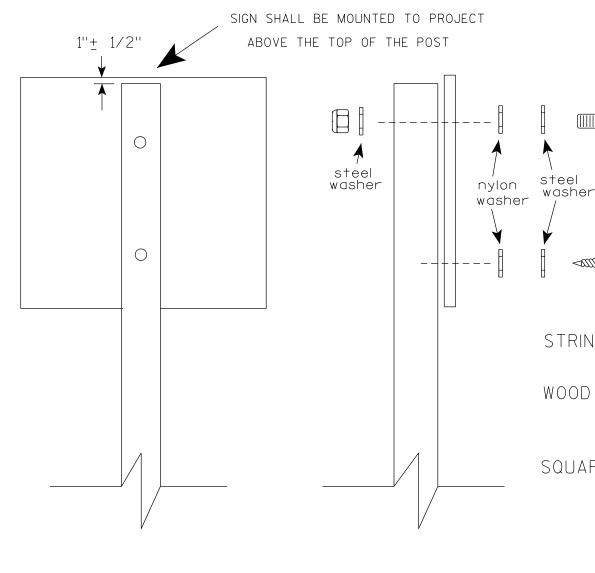
PROJECT NO: HWY: COUNTY: SHEET NO: **E**FILE NAME: C:\CAEFiles\Projects\tr_stdplate\A47B.DGN PLOT BY: dotc4c PLOT NAME: PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

1

MONOTUBE PLAN VIEW APPROVED

DATE 1/07/20

PLATE NO. <u>A4-7B.1</u>



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either:

- a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3
- b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS $(4'' \times 6'')$

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN) 3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 3/32 " (6605-9-6) BULB-TITE. TRI-FOLD. ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq.ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

APPROVED

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

WISCONSIN DEPT OF TRANSPORTATION

Matther ≠or State Traffic Engineer

SHEET NO:

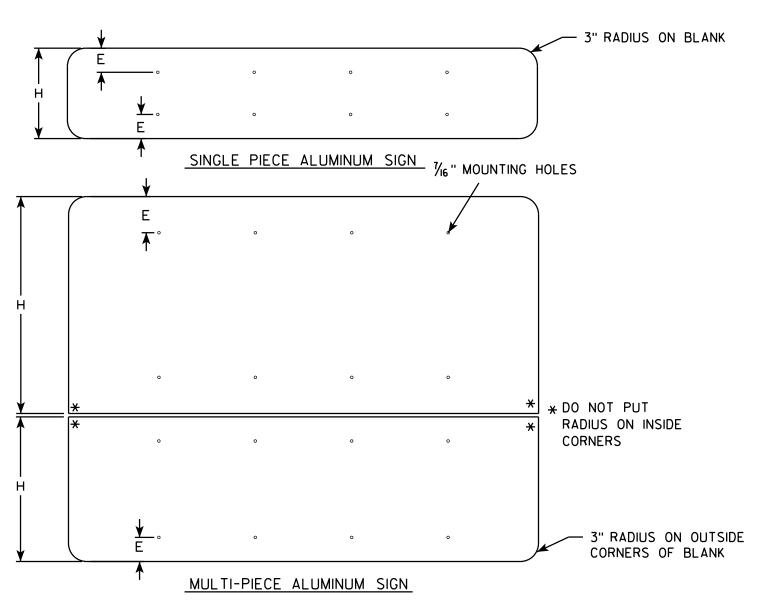


PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

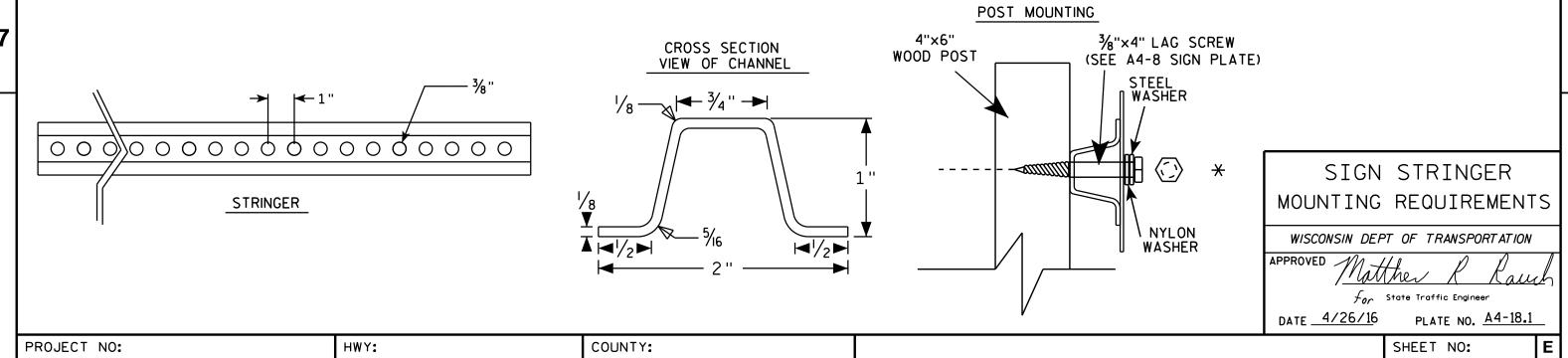
For State Traffic Engineer



GENERAL NOTES

- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE $\frac{7}{16}$ " DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING				NTING OLES			
7 8"	7 2"	2	16''	15''	31''	47''	63''			
84''	72"	2	17''	161/2"	331/2"	501/2"	6 7 1/2	1		
90"	72"	2	18''	18''	36''	54''	72"			
96"	90''	2	19''	191/2"	381/2''	57½"	761/2			
102"	90''	2	20"	21''	41''	61''	81''			
108''	90"	2	21''	221/21	' 43 ^l / ₂ ''	641/2"	851/2			
114''	108''	3	15''	12''	2 7 ''	42''	57''	72"	87''	102''
120''	108''	3	16''	12''	28''	44''	60"	76"	92"	108''
126"	108''	3	17''	12''	29"	46''	63''	80"	97''	114''
132"	126''	3	18''	12''	30"	48''	66''	84"	102"	120''
138''	126''	3	19"	12''	31''	50"	69"	88"	107''	126"
144''	126"	3	20"	12''	32"	52"	72"	92"	112''	132"



PLOT BY: mscj9h

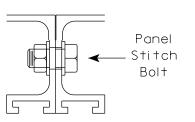
STITCH BOLT, WASHER & NUT

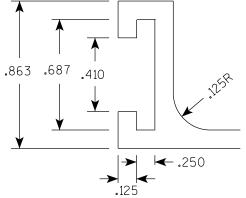
The hardware includes:

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

3/8 " - Stainless steel stop nut

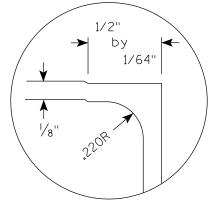
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy





12" Extrusion Minimum Weight 2.5 lb./ft.

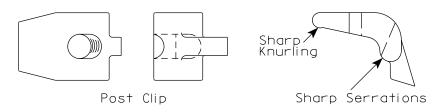
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

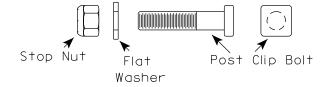


DETAIL A (EDGE WRAP JOINT)

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.
- 4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ForState Traffic Engineer

DATE 1/07/20 PLATE NO. <u>A5-2.10</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A52.DGN

PROJECT NO:

PLOT DATE: 7-Jan-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

BANDING



SINGLE SIGN





WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

GENERAL NOTES

- 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.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PROJECT NO:

31/2"

VIEW FROM TOP

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, $\frac{3}{4}$ " 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
 - b. 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 $1^{1}/_{4}$ " O.D. X $3/_{16}$ " I.D. X $1/_{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 \times LAG BOLTS SHALL BE $\frac{3}{8}$ " X $\frac{2}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/19/2022 PLATE NO. A5-10.3

SHEET NO:

APPROVED

PROJECT NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgr

PLOT DATE: 19-APRIL 2022 11:55

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

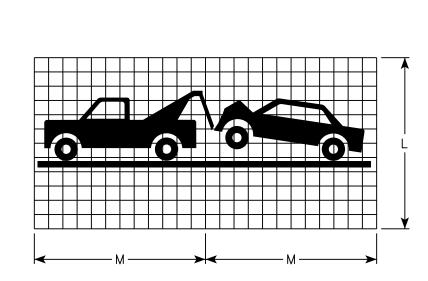
Ε

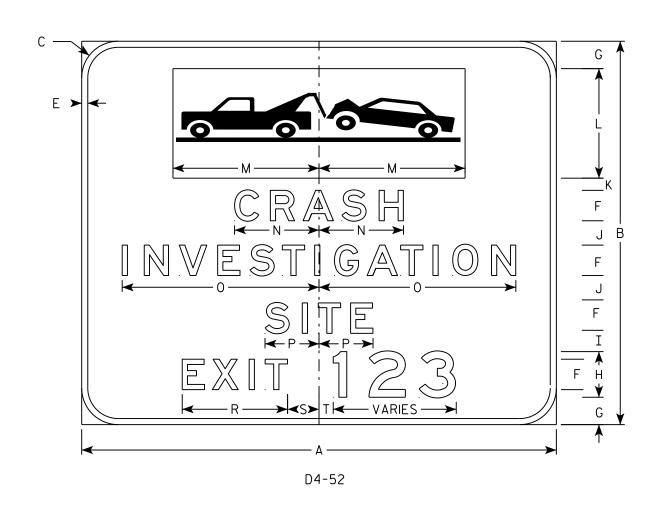
SIGN

- 1. Sign is Type I Type SH Reflective
- 2. Color:

Background - BLUE Message - WHITE

- 3. Message Series E
- 4. Logo shall be white in color mounted on 96 x 36 .040 aluminmum with Blue SH Reflective Background sheeting.





SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	٥	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1 1																											
2																											
3																											
4	156	126	12		2	10	9	15	7	8	4	36	48	27 3/4	64 3/4	17 3/4		34 %	10 3/8	4 5/8							136.5
5	156	126	12		2	10	9	15	7	8	4	36	48	27 3/4	64 3/4	17 3/4		34 %	10 3/8	4 5/8							136.5

COUNTY:

STANDARD SIGN D4-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/15/17 PLATE NO. D4-52.2

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\D452.DGN

PROJECT NO:

HWY:

PLOT DATE: 15-MAR-2017 15:49

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE: 31.540797:1.000000

WISDOT/CADDS SHEET 42

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - Blue Message - White

- 3. Message Series E Modified
- 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.

	F
G G	
: 	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	2.25
25	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
2M	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 1/8		6																	9.0
4																											
5																											

STANDARD SIGN D9-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

DATE 1/28/21 PLATE NO. D9-2.5

SHEET NO:

 \mathcal{F}_{or} State Traffic Engineer

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\D92.dgn

PROJECT NO:

PLOT DATE: 28-JAN 2021 8:58

PLOT BY : mscj9h

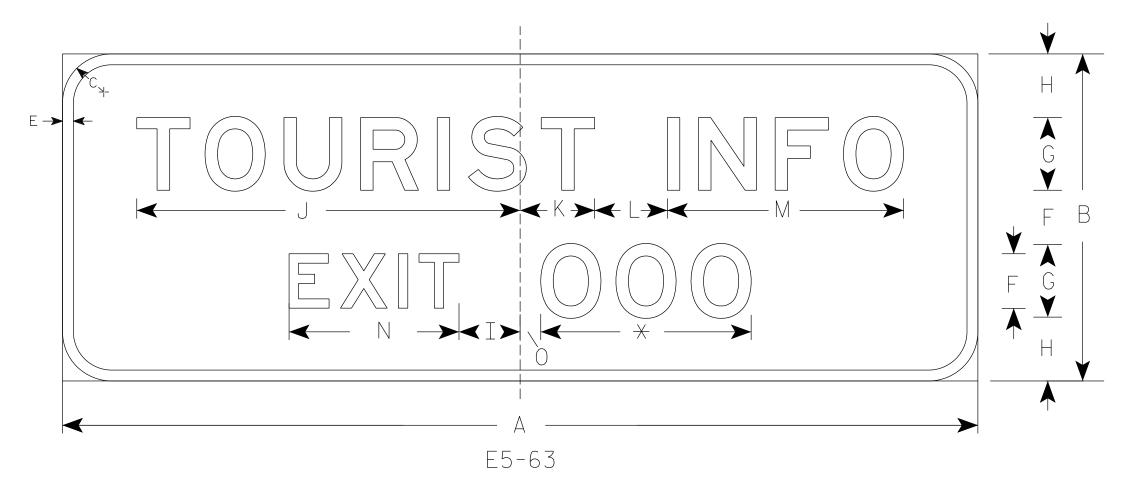
WISDOT/CADDS SHEET 42

Ε

- 1. Sign is Type I Type SH Reflective
- 2. Color:

Background - Blue Message - White

3. Message Series - E



*Varies

SIZE	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	Area sq. ft.
1																										
2																										
3																										
4	168	60	9		2	10	13 3/8	11 5/8	11 1/4	70 3/8	13 5/8	13 3/8	43 3/8	31 1/8	3 3/4											70
5																										

COUNTY:

STANDARD SIGN E5-63

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauh
Fostate Traffic Engineer

DATE <u>5/21/19</u>

9 PLATE NO. E5-63.3

SHEET NO: **E**

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\E563.DGN

HWY:

PROJECT NO:

PLOT DATE: 21-MAY-2019

PLOT BY : dotc4c

PLOT NAME :

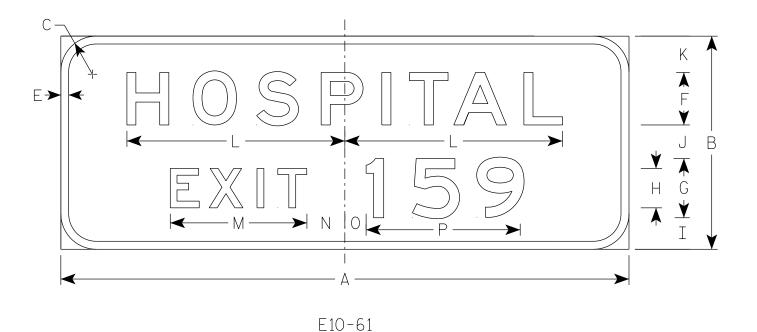
PLOT SCALE: \$\$.....plo†scale.....\$\$WISDOT/CADDS SHEET 42

- 1. Sign is Type I Type SH Reflective
- 2. Color:

Background - Blue

Message - White

- 3. Message Series E
- 4. Apply proper Exit Numbers and letters, optically center to adjust spacing to achieve proper balance.



SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	M	1 0	Р	Q	R	S	Т	U	٧	W	X	Υ	Z	Area sq. ft.
1																										
2																										
3																										
4	144	54	9		2	13 3/8	15	10	8	8 1/2	9 1/4	55 1/2	34 % 9	5/8 5 3/8	39											54.0
5	144	54	9		2	13 3/8	15	10	8	8 1/2	9 1/4	55 1/2	34 % 9	5/8 5 3/8	39											54.0

COUNTY:

TYPICAL SIGNS E10-61

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED M.+

For State Traffic Engineer

DATE 11/5/2020 PLATE NO. E10-61.4

PROJECT NO:
FILE NAME: C:\Users\PROJECTS\tr_stdplate\E1061.dgn

HWY:

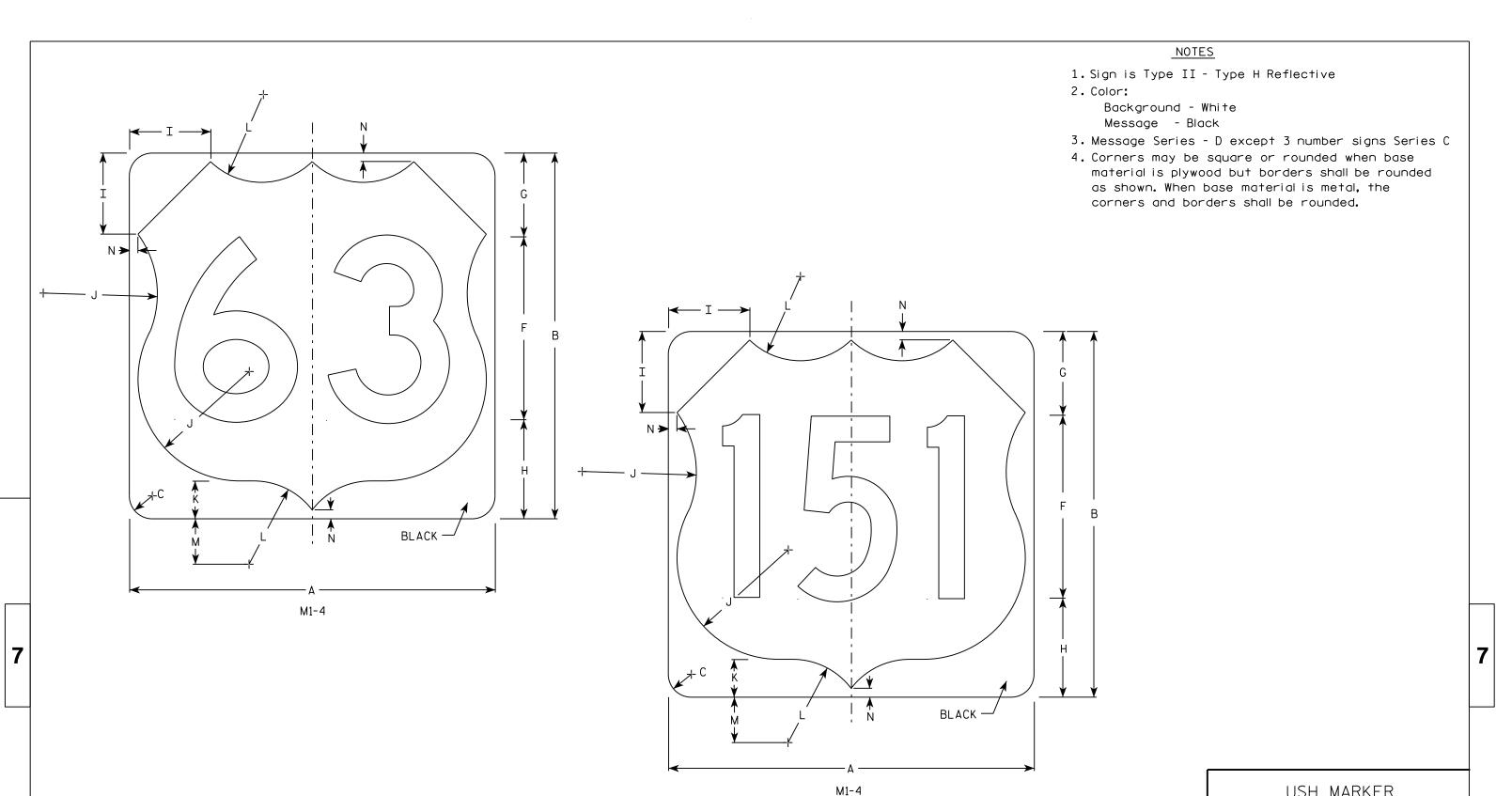
PLOT DATE : 5-NOV 2020 2:07

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

1



D Ε G Ν Z 2 24 24 | 1 1/2 7 1/2 2 1/2 5 1/2 5 1/2 6 1/2 1/2 4.0 36 2 1/4 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 36 8 1/4 9 1/4 3/4 9.0 18 36 2 1/4 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 3/4 36 9 1/4 9.0 18 8 1/4 8 1/4 9 1/4 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 3/4 36 36 | 2 1/4 18 9.0

COUNTY:

USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauh

For State Traffic Engineer

DATE 3/16/18

PLATE NO. M1-4.10

SHEET NO:

HWY:

PROJECT NO:

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

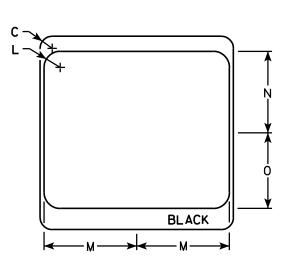
Background - White & Black - See Note 7 Message - Black

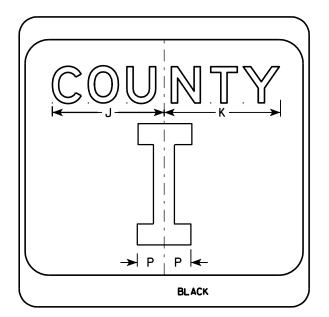
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

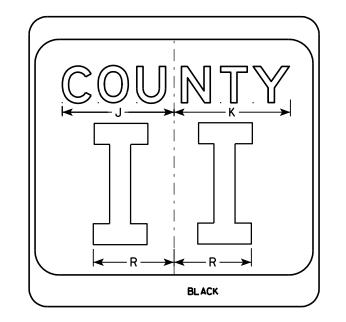
 Message Series D for 2 letters unless
 message is too big then Series C.

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

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







PLOT NAME :

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

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PROVED

Matthew Rauch

Forstate Traffic Engineer

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

DATE 9/27/11

SHEET NO:

BLACK

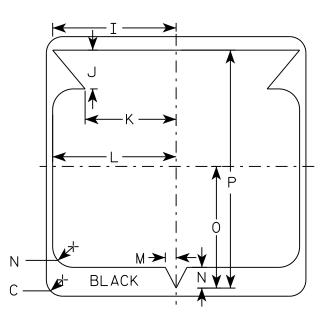
M1-5A

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

- 3. Message Series D except 3 number signs 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.

	G F A H H
A A	
M1-6	1



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 1/8	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 ¾	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0

COUNTY:

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 3/16/18

PLATE NO. <u>M1-6.10</u>

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M16.DGN

HWY:

PROJECT NO:

PLOT DATE: 16-MAR-2018 14:11

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE : 6.655277:1.000000

WISDOT/CADDS SHEET 42

- 1. Sign is Type II Type H
- 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

Message - Black

MB2-1 Background - Blue

Message - White

MK2-1 Background - Green

Message - White

MM2-1 Background - White

Message - Green

MN2-1 Background - Brown

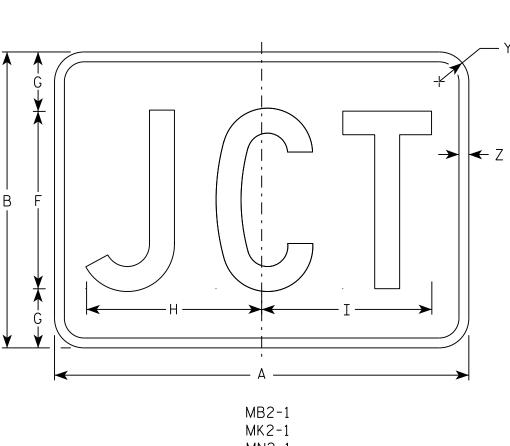
Message - White

MP2-1 Background - White

Message - Blue

MR2-1 Background - Brown

Message - Yellow



MN2-1

MR2-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	J	V	W	Х	Υ	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 1/8	8 %																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
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
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

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch f_{or} State Traffic Engineer

DATE 10/15/15

PLATE NO. M2-1.12 Ε

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdplote\M21 DGN

PROJECT NO:

M2-1

HWY:

MM2-1

MP2-1

PLOT DATE . 01-DEC-2015 17:54

PLOT BY . \$\$ Diotuser \$\$ PLOT NAME :

PLOT SCALE • 4 864603•1 000000







MP3-1









HWY:



NOTES

- 1. All Signs Type II Type H
- 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 Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

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	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	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 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 10/15/15 PLATE NO. M3-1.14

Ε

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 11 675051.1 000000



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

Background - White - See Note 5 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.
- 5. Permanent Signs

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

D E		
	G V	
	F 	
H	G V	\
←	•	
M4 - 3		

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Ρ	0	R	S	T	J	٧	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	5	3 1/2	9 %																			2.0
3	36	18	1 1/8	3⁄8	1/2	8	5	16 3/8																			4.5
4																											
5																											

COUNTY:

STANDARD SIGN M4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rause

For State Traffic Engineer

DATE 11/10/10

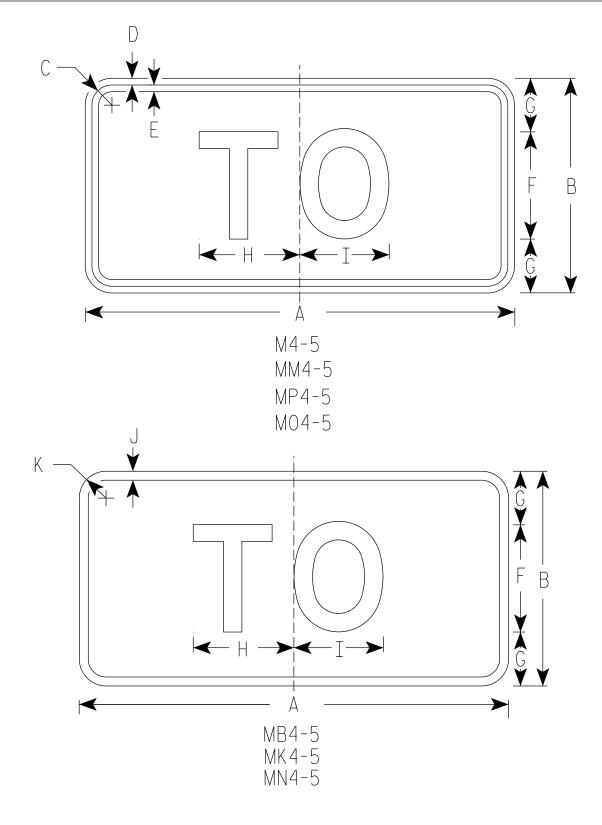
PLATE NO. M4-3.5

SHEET NO:

HWY:

PROJECT NO:

PLOT NAME :



- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - See note 5 Message - See note 5

- 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. M4-5 Background White

Message - Black

MB4-5 Background - Blue

Message - White

MK4-5 Background - Green

Message - White

MM4-5 Background - White

Message - Green

MN4-5 Background - Brown

Message - White

MP4-5 Background - White

Message - Blue

M04-5 Background - Orange Type F Reflective

Message – Black

SIZE	А	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.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

COUNTY:

STANDARD SIGN M4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
Forstate Traffic Engineer

DATE 03/7/19

PLATE NO. <u>M4-5.9</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M45.DGN

HWY:

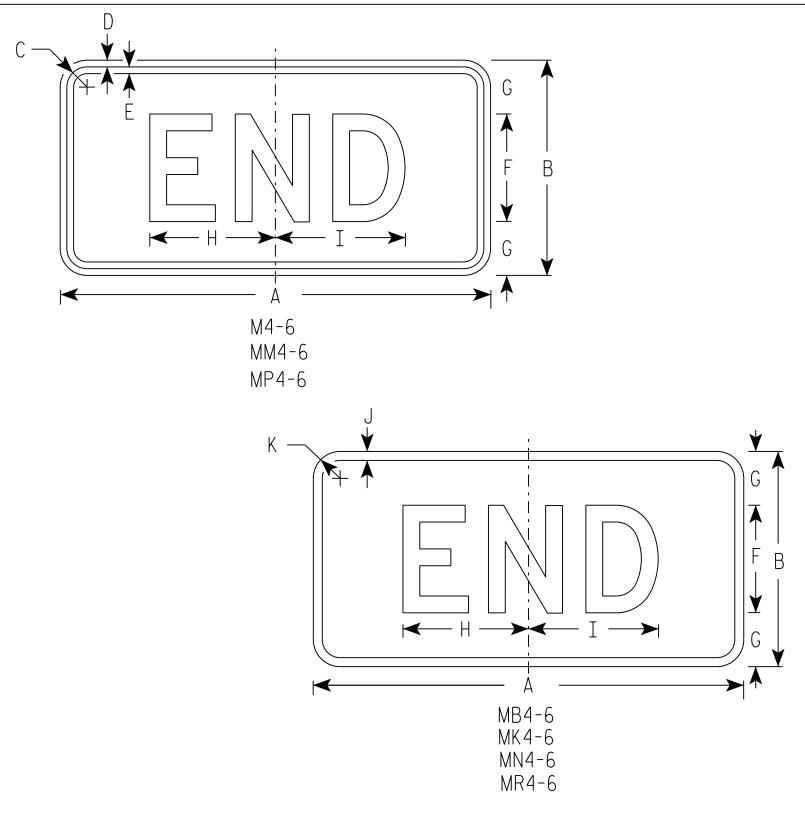
PROJECT NO:

PLOT DATE: 07-MAR-2019

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



- 1. Sign is Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

- 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. M4-6 Background White

Message - Black

MB4-6 Background - Blue

Message - White

MK4-6 Background - Green

Message - White

MM4-6 Background - White

Message - Green

MN4-6 Background - Brown

Message - White

MP4-6 Background - White

Message - Blue

MR4-6 Background - Brown

Message - Yellow

SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Υ	Z	Area sq. ft.
1																											
2 2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3 3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
4 3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
5 3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5

STANDARD SIGN M4 - 6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Kaus For State Traffic Engineer

DATE 10/15/15 PLATE NO. M4-7.9

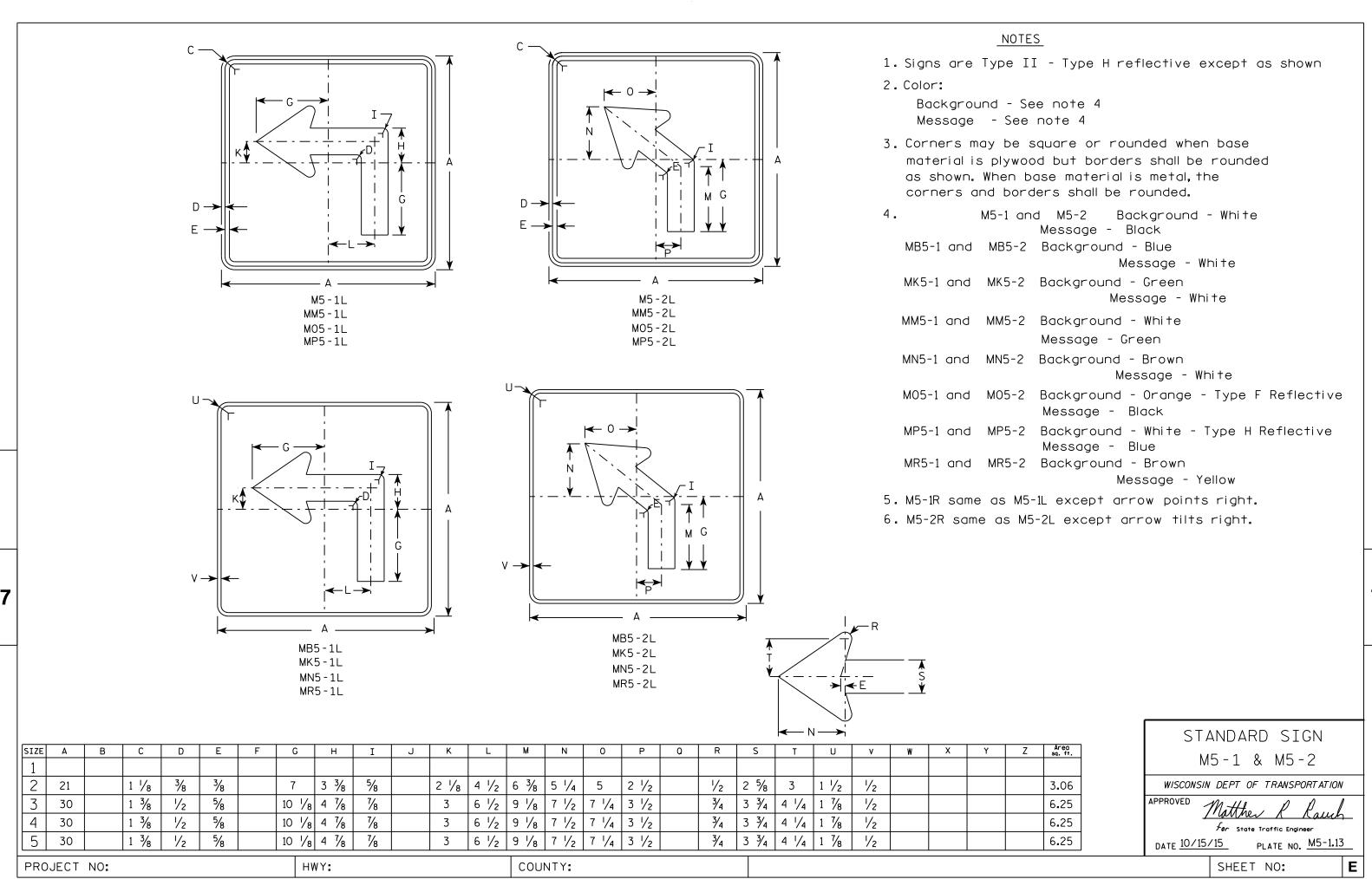
SHEET NO:

FILE NAME . C.\CAFfiles\Projects\tr stdblote\M46 DGN

PLOT DATE . 01-DEC-2015 17.55

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 5 351066.1 000000



FILE NAME . C.\CAFfiles\Projects\tr stdolote\M51 DCN

PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ DIOTUSET \$\$ PINT NAMF :

PLOT SCALE . 11 675051.1 000000







MR6-1

HWY:



NOTES

- 1. Signs are Type II Type H except as Shown
- 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

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



SIZE	: Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	٥	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3%		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%		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
4	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
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

Matthew & Rawl For State Traffic Engineer

Ε

DATE 10/15/15 PLATE NO. M6-1.15

SHEET NO:

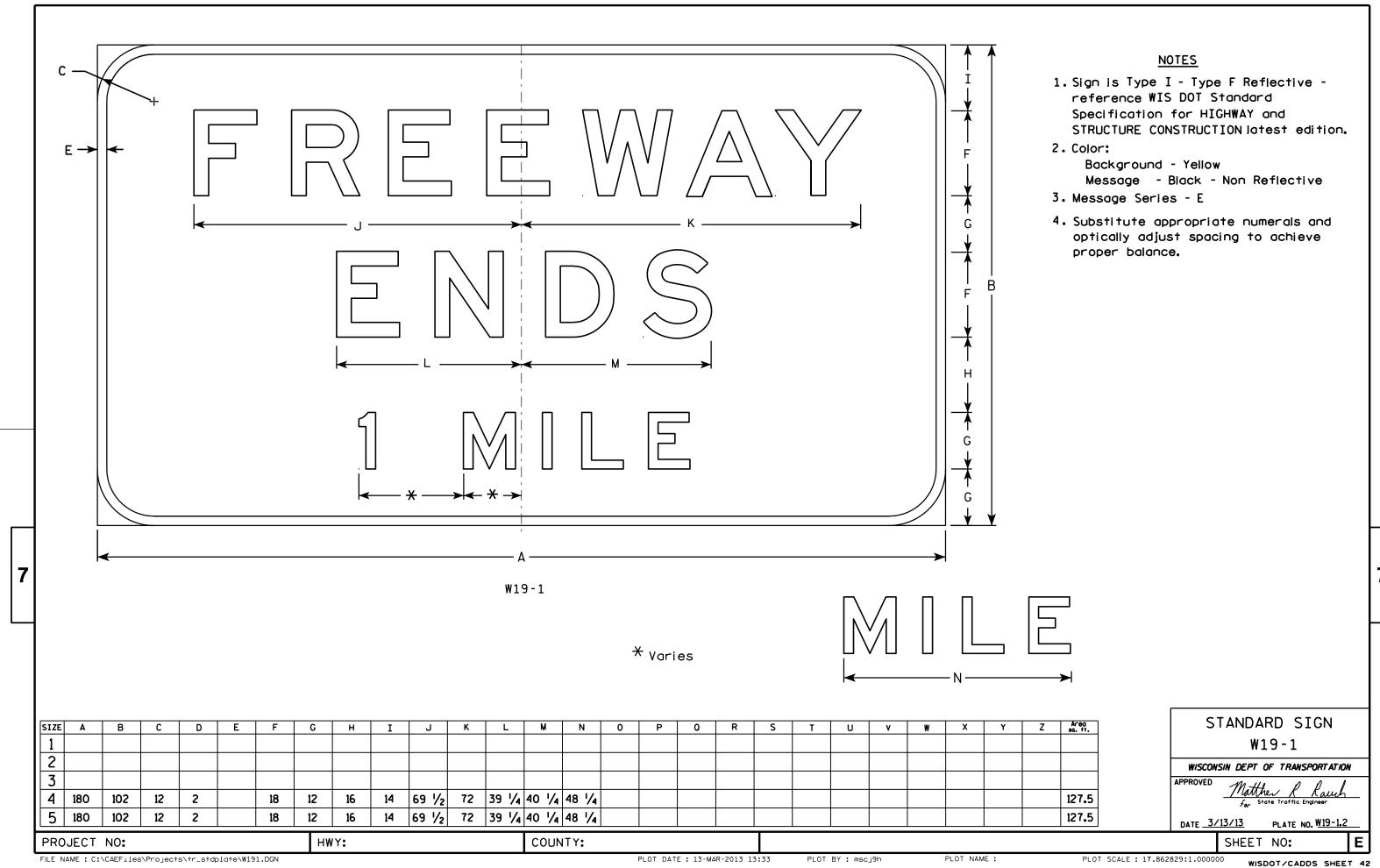
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PROJECT NO:

PLOT DATE . 01-DEC-2015 17:57

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PLOT SCALE . 11 675051.1 000000



DESIGN DATA

DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL

FOUNDATION DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH

DEAD LOAD WT. OF SIGN AND SUPPORTING STRUCTURE

3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS ICE LOAD:

WIND PRESSURE 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS

(700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

1.25 DC + 1.6 LL STRENGTH I: EXTREME L(MAX DC) 1.1 DC + 1.0 W + 1.0 ICE EXTREME I (MIN DC): 0.9 DC + 1.0 W SERVICE I: 10 DC + 10 W

FATIGUE: 1.0 NW (NATURAL WIND GUST) 1.0 Trg (TRUCK INDUCED GUST)

MATERIAL PROPERTIES

CONCRETE MASONRY —	f' _c = 3,500 PSI
HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 ——————	f _y = 60,000 PS
STRUCTURAL ANGLES, PLATES & BARS - ASTM A709 GRADE 36 —————	f _y = 36,000 PS
CHORD PIPE - ASTM A500 GRADE C	f _Y = 46,000 PS
COLUMN PIPE DESIGN TRUSS TYPE I - ASTM A500 GRADE C DESIGN TRUSS TYPE II - API-5L PSL-2 GRADE 46 OR ASTM A1085——	f _Y = 46,000 PS f _Y = 46,000 PS
HIGH STRENGTH BOLTS - ASTM A3125 GRADE A325 ————————————————————————————————————	f _y = 92,000 PS
ANCHOR RODS - ASTM F1554 GRADE 55 ——————————————————————————————————	f _y = 55,000 PS
HEAVY HEX NUTS - ASTM A563 GRADE DH OR ASTM A194 GRADE 2H	
WASHERS - ASTM F436	

DTI WASHERS - ASTM F959 TYPE 325

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING THE DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

IT IS ANTICIPATED THAT DRILLING INTO ROCK WILL BE REQUIRED PER THE DETAILS IN THE PLAN. DRILLING INTO ROCK IS INCLUDED IN THE ITEM "DRILLING SHAFT 36-INCH"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

DIMENSIONS AND ELEVATIONS ARE BASED ON EXISTING PLANS. CONTRACTOR SHALL MAINTAIN THE DIMENSIONS PROVIDED AND ADJUST THE ELEVATIONS AS NECESSARY.

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "TRUSS CANTILEVER 4-CHORD (TYPE)" FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH $\frac{3}{4}$ " DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE $\frac{1}{4}$ THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT 36-INCH".

STRUCTURE DATA

STRUCTURE ID	SIGN AREA	SIGN DEPTH	FOUNDATION TYPE	TRUSS TYPE
S-37-164	162.5 SF	10'-0"	NON-STANDARD	TYPE I
S-37-165	176.5 SF	11'-0"	TYPE II	TYPE II

STATE PROJECT NUMBER

1009-43-70

TRAFFIC VOLUME

A.D.T. (2019) = 38,600 R.D.S. = 65 MPH

LIST OF DRAWINGS:

- 1. GENERAL NOTES & DESIGN DATA
- 2. LAYOUT S-37-164
- 3. LAYOUT S-37-165
- 4. STANDARD SEE BELOW 5. STANDARD - SEE BELOW
- 5. STANDARD SEE BELOW
- 7 STANDARD SEE BELOW
- 8. STANDARD SEE BELOW
- 9. 4-CHORD TRUSS CANTILEVER NON-STANDARD FOUNDATION

LIST OF STANDARD DESIGN DRAWINGS

- 5. II. 4-CHORD TRUSS CANTILEVER CONNECTIONS 1
- 6. III. 4-CHORD TRUSS CANTILEVER CONNECTIONS 2
- 7. IV. 4-CHORD TRUSS CANTILEVER CONNECTIONS 3

4. I. 4-CHORD TRUSS CANTILEVER DETAILS

- 8. V. 4-CHORD TRUSS CANTILEVER FOUNDATIONS

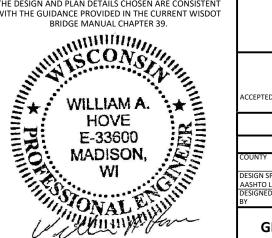
TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	S-37-164	S-37-165
204.0247.01	REMOVING ANCILLARY STRUCTURE WITH RESTORATION S-37-62	EA	1	
204.0247.02	REMOVING ANCILLARY STRUCTURE WITH RESTORATION S-37-63	EA		1
531.1100	CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS	CY	10	
531.1140	STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS	LB	610	
531.1160	STEEL REINFORCEMENT HS COATED ANCILLARY STRUCTURES TYPE NS	LB	1,100	
531.2036	DRILLING SHAFT 36-INCH	LF	10	32
531.6020	FOUNDATION TWO-SHAFT TYPE FC-II S-37-165	EA		1
532.6010	TRUSS CANTILEVER 4-CHORD TYPE S-37-164	EA	1	
532.6020	TRUSS CANTILEVER 4-CHORD TYPE II S-37-165	EA		1

STRUCTURE DESIGN CONTACTS:

AARON BONK (WISDOT BOS) 608-261-0261 BILL HOVE (CORRE, INC.) 262-393-1260

THESE ARE STANDARD DESIGN PLANS DEVELOPED AND MAINTAINED BY THE WISDOT. THE DESIGNER CERTIFIES THAT THE DESIGN AND PLAN DETAILS CHOSEN ARE CONSISTENT WITH THE GUIDANCE PROVIDED IN THE CURRENT WISDOT



11/9/2023

NO. DATE STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION 11/14/23 <u>SDR</u> 11/14/23 ACCEPTED CHIEF STRUCTURES DESIGN ENGINEER 4-CHORD CANTILEVER

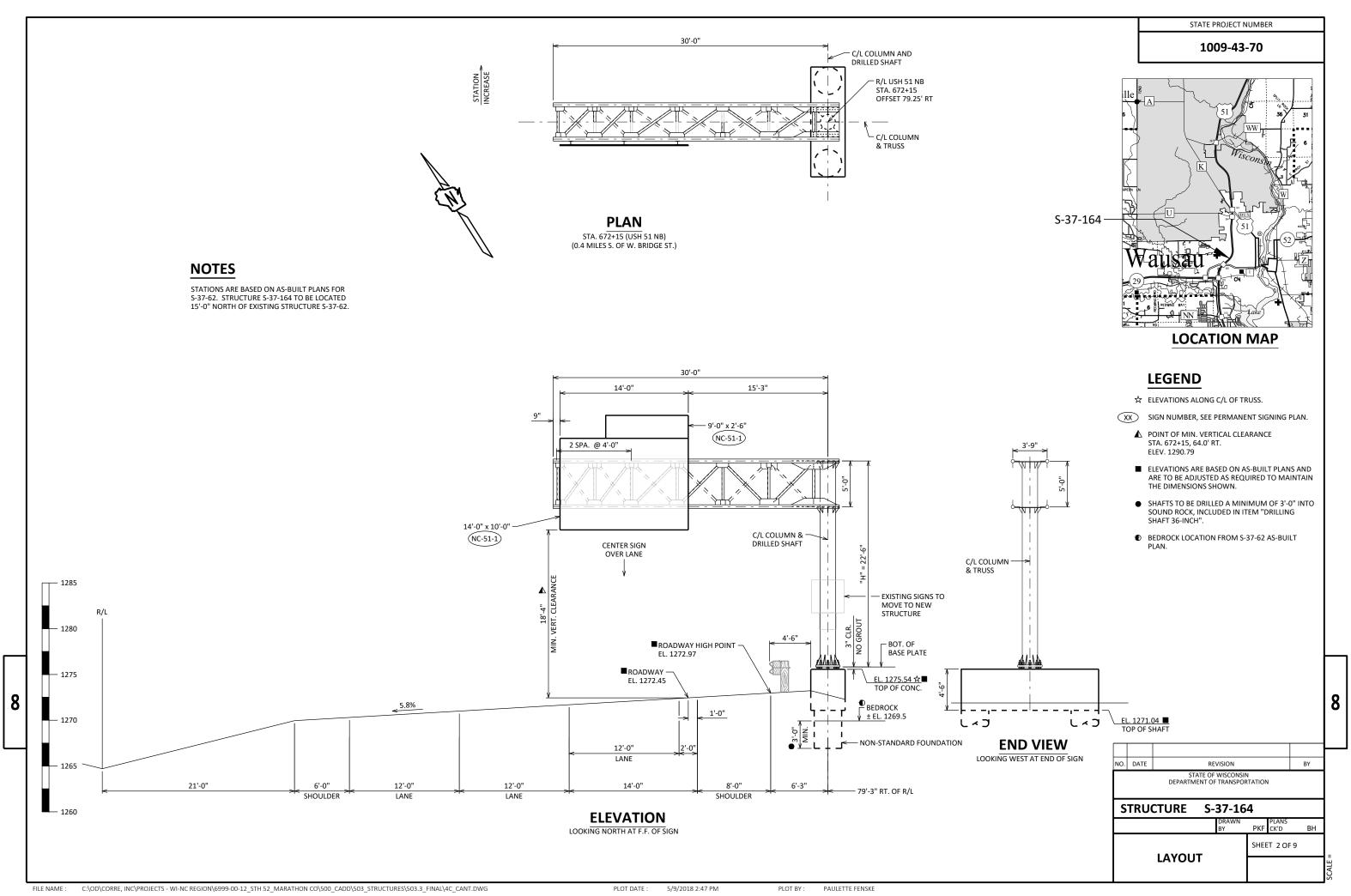
USH 51 SIGN BRIDGES

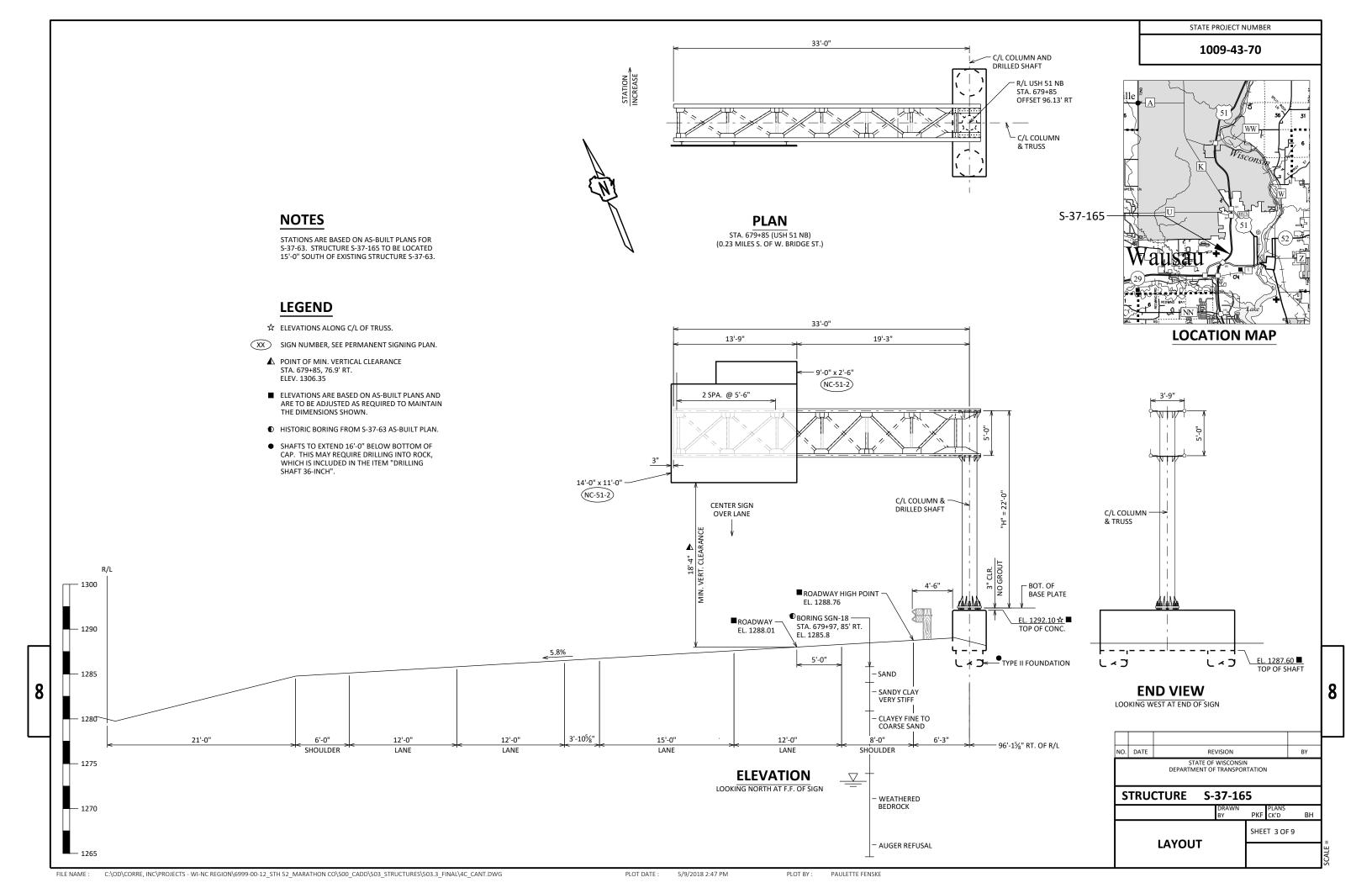
MARATHON WAUSAU DESIGN SPEC AASHTO LRFD BRIDGE DESIGN SPECIFICATION DESIGNED DRAV PKF CK'D

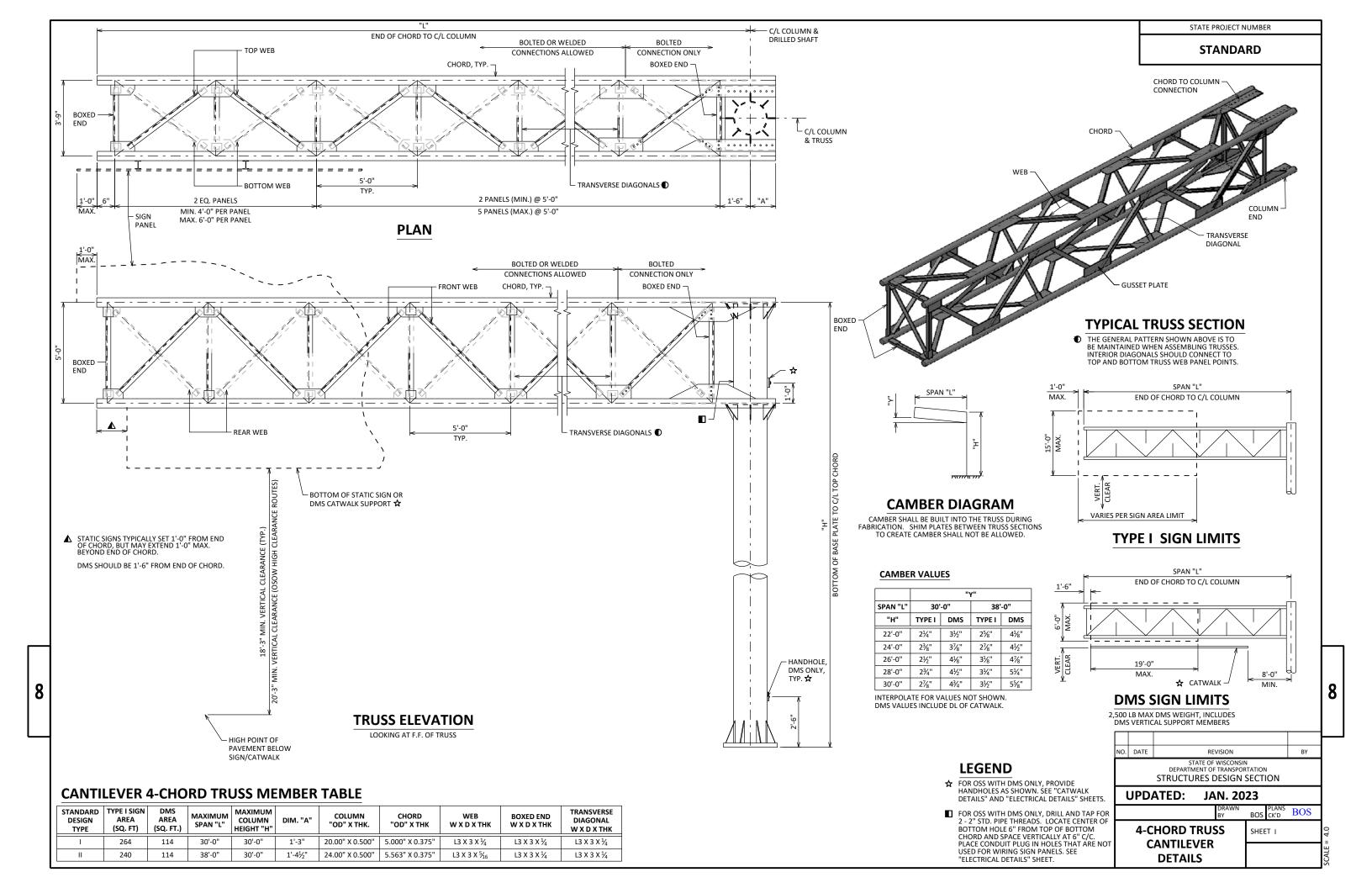
GENERAL NOTES & DESIGN DATA

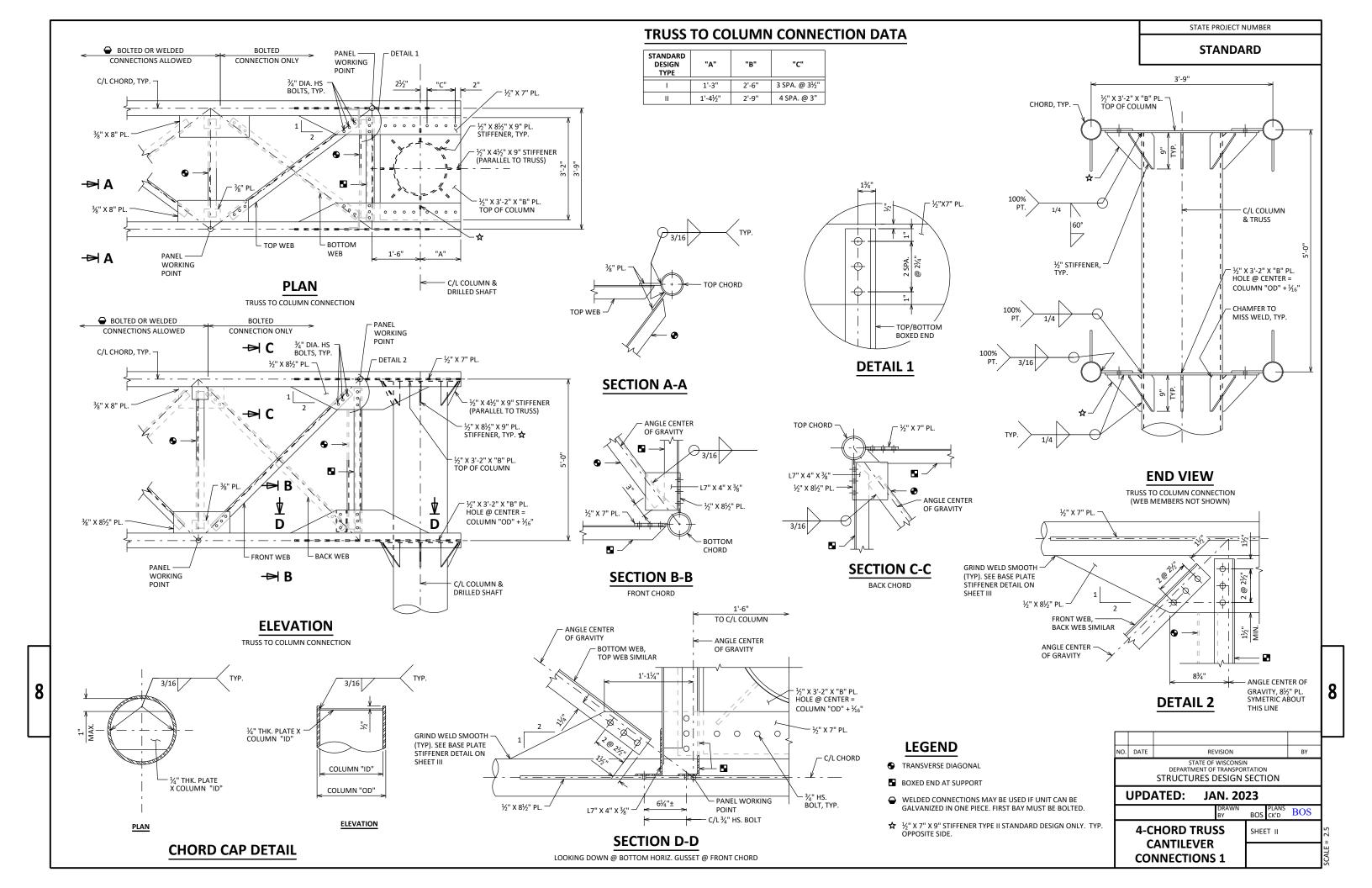
PLOT BY

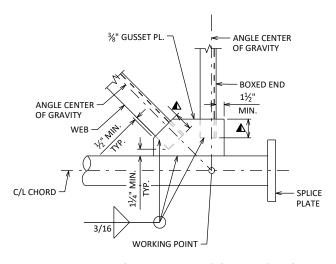
SHEET 1 OF 9











— ANGLE CENTER 3/8" GUSSET PL. TRANSVERSE DIAGONAL (IN ANOTHER PLANE) ANGLE CENTER WFB C/L CHORD 3/16 WORKING POINT

ANGLE CENTER OF GRAVITY 3/8" GUSSET PL. TRANSVERSE DIAGONAL 1½" MIN. TYP. C/L CHORD 3/16 WORKING POINT

COLUMN "OD" C/L COLUMN & DRILLED SHAFT ½" X 6" X 1'-2" BASE PLATE STIFFENER

TOP OF CAP

ANCHOR RODS, FOR

DETAILS SEE

"FOUNDATION DETAILS" SHEETS

WELDED BOXED END CONNECTION

- ANGLE CENTER

OF GRAVITY

1½" MIN.

TYP.

WORKING POINT

CONNECTION SHOWN AT CHORD SPLICE, CONNECTION AT COLUMN END SIMILAR

BOXED END

%" GUSSET PL

ANGLE CENTER

WELDED PANEL CONNECTION

¾" GUSSET PL.

ANGLE CENTER -

3/16

MEMBER CONNECTION DATA

OF GRAVITY,

C/L CHORD

SPLICE

PLATE

- ANGLE CENTER

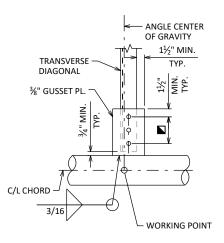
TRANSVERSE DIAGONAL

(IN ANOTHER PLANE)

OF GRAVITY

WELDED TRANSVERSE DIAGONAL CONNECTION

WEB MEMBERS NOT SHOWN FOR CLARITY



BASE PLATE & COLUMN DETAIL

 $\Box\Box$

 \Box

I + I + I

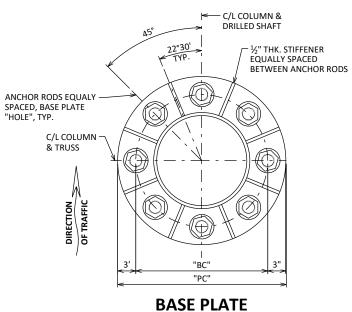
STATE PROJECT NUMBER

STANDARD

LOOKING AT F.F. OF STRUCTURE

Ш

1.11



BOLTED BOXED END CONNECTION

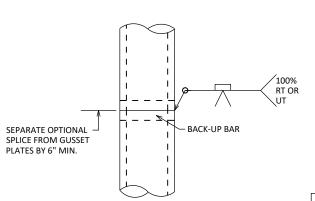
CONNECTION SHOWN AT CHORD SPLICE. CONNECTION AT COLUMN END SIMILAR

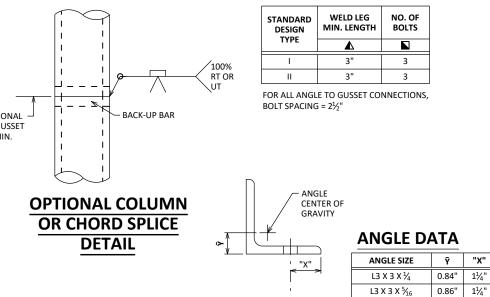
BOLTED PANEL CONNECTION

11/4"

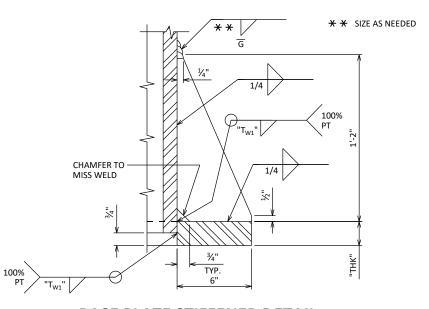
BOLTED TRANSVERSE DIAGONAL CONNECTION

WEB MEMBERS NOT SHOWN FOR CLARITY





C/L BOLT



BASE PLATE STIFFENER DETAIL

CANTILEVER 4-CHORD COLUMN DATA

PLAN

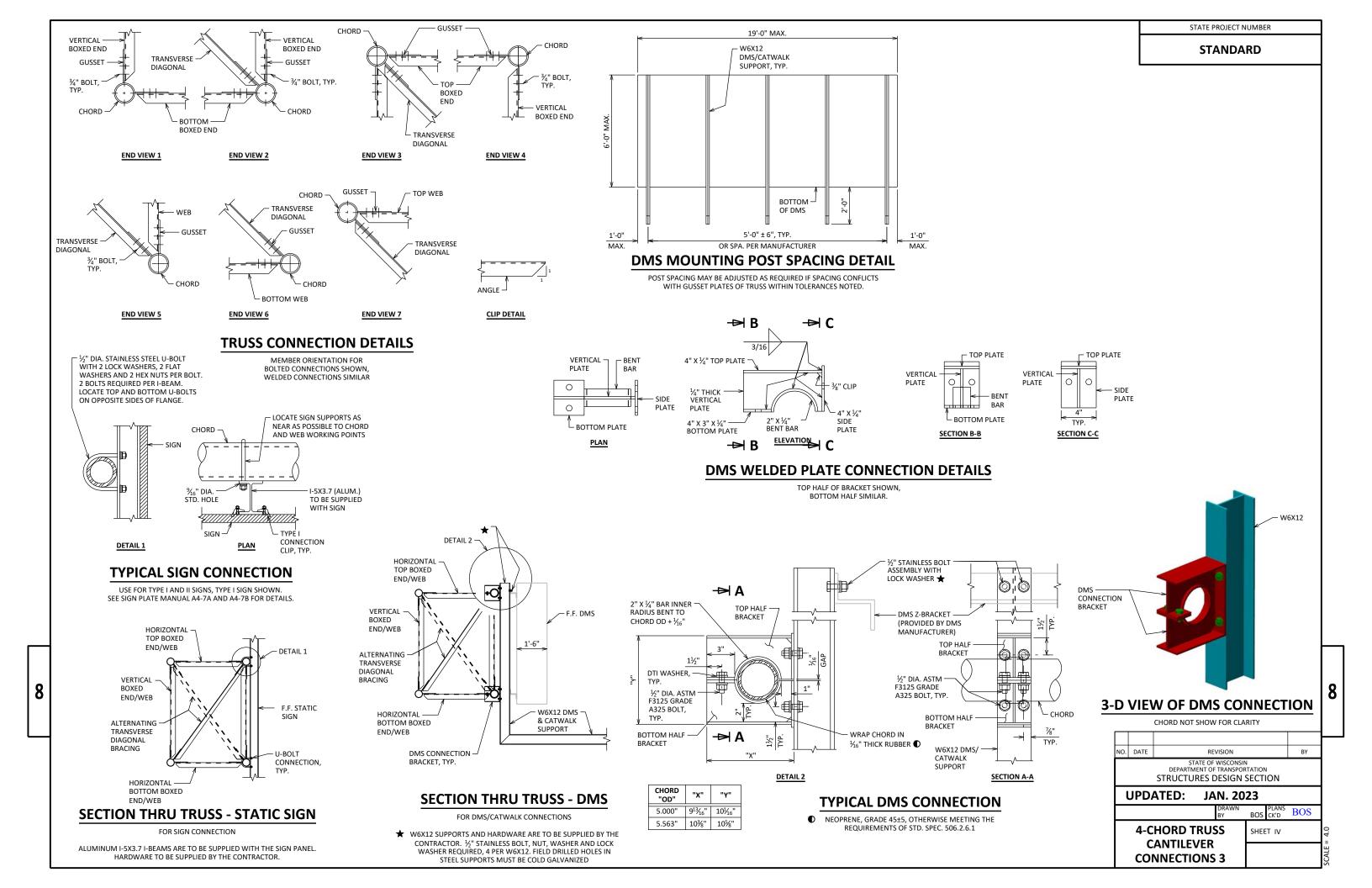
STANDARD	COLUMN		В	ASE PLATE		
DESIGN TYPE	"OD" X THK	"ТНК"	"T _{W1} "	"HOLE"	"BC"	"PC"
I	20.00" X 0.500"	2"	5/16"	21/4"	2'-2"	2'-8"
II	24.00" X 0.500"	2½"	½6"	21/4"	2'-6"	3'-0"

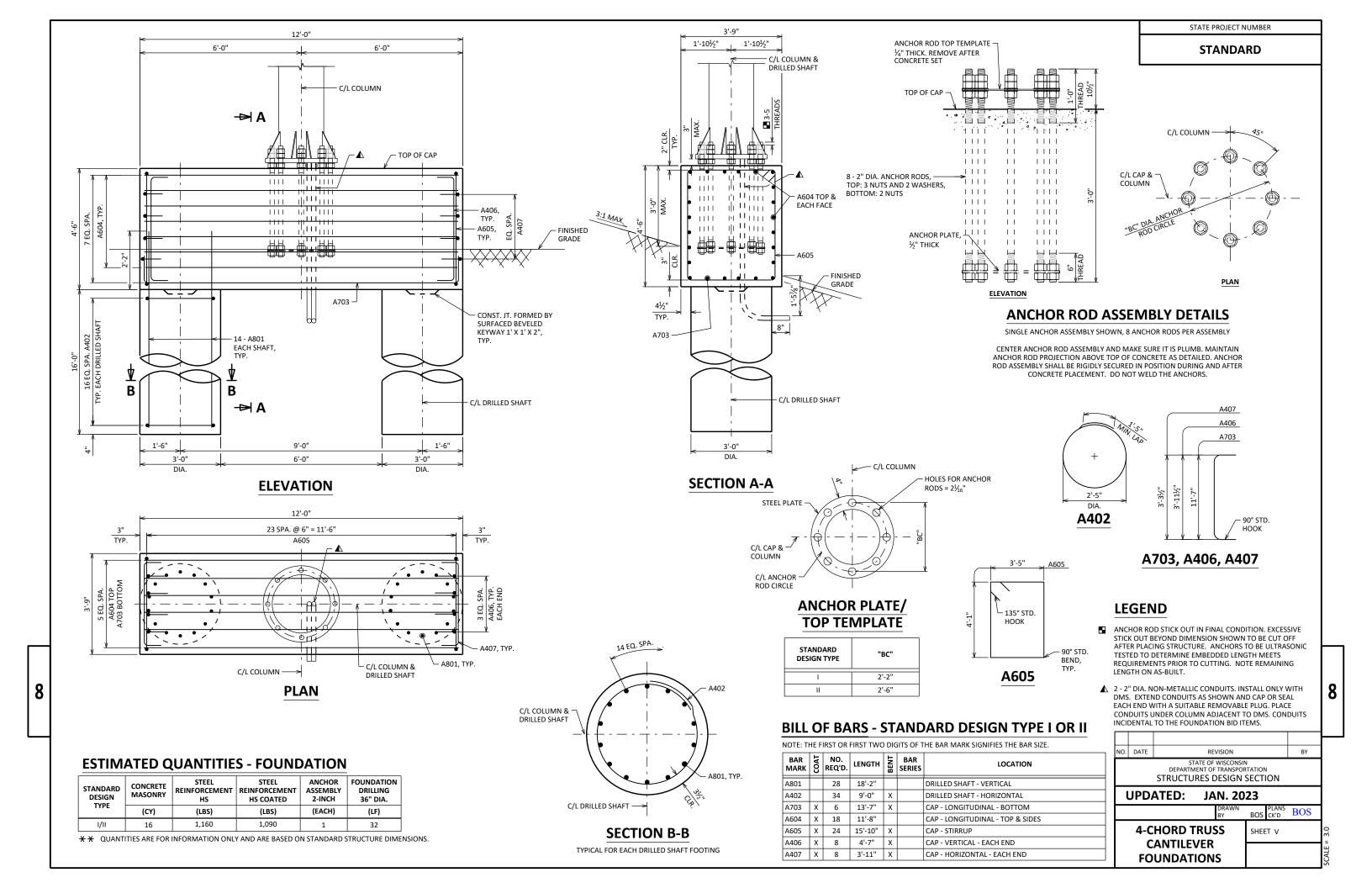
NO. DATE STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION **UPDATED:** JAN. 2023 **4-CHORD TRUSS** SHEET III **CANTILEVER CONNECTIONS 2**

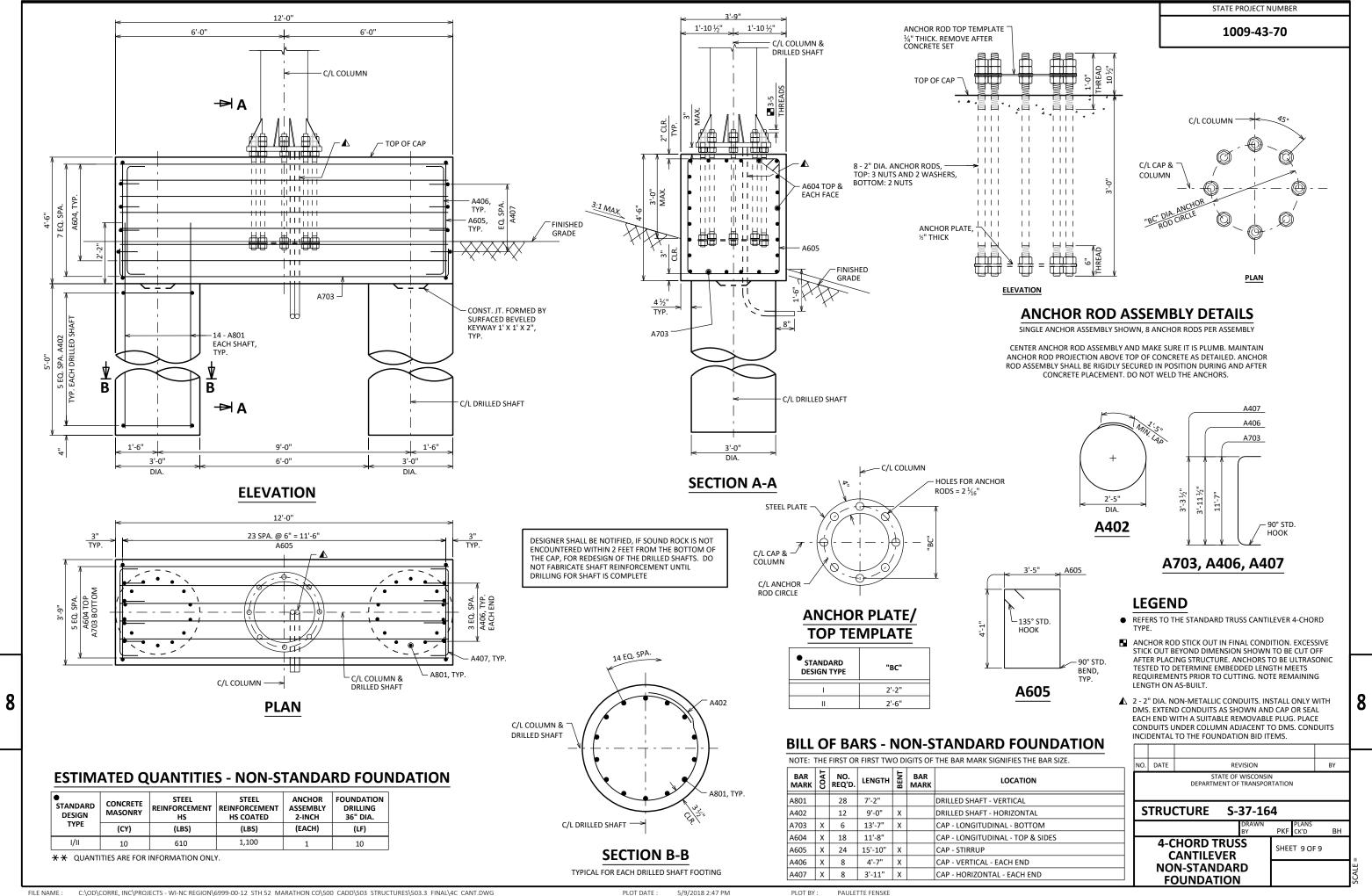
8

NOTE:

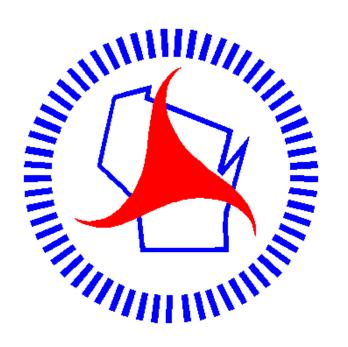
FABRICATOR HAS THE OPTION TO USE NON-MITERED RECTANGULAR GUSSET PLATES IN LIEU OF MITERED PLATES SHOWN IN THESE DETAILS.







Notes



Wisconsin Department of Transportation

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