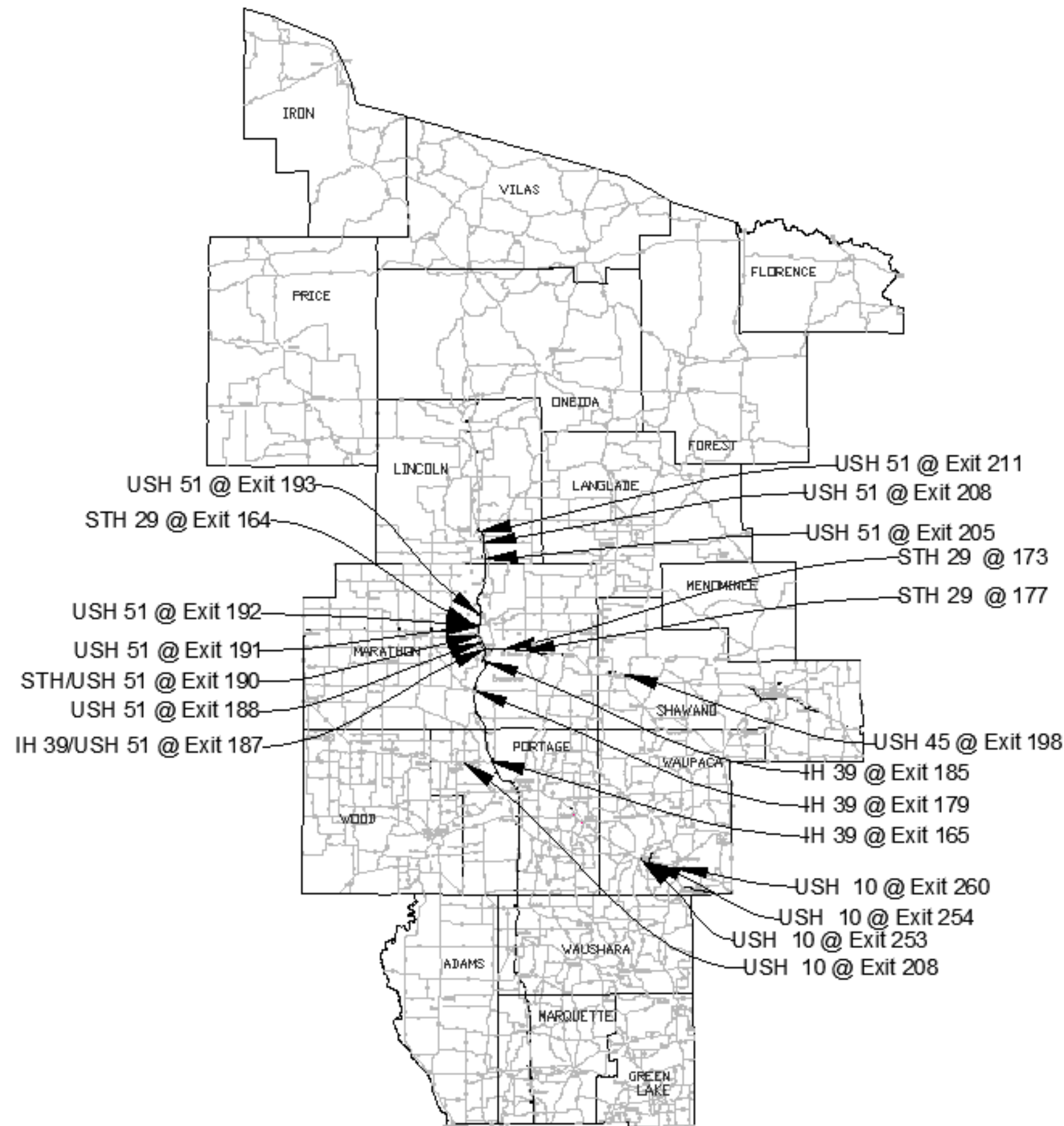
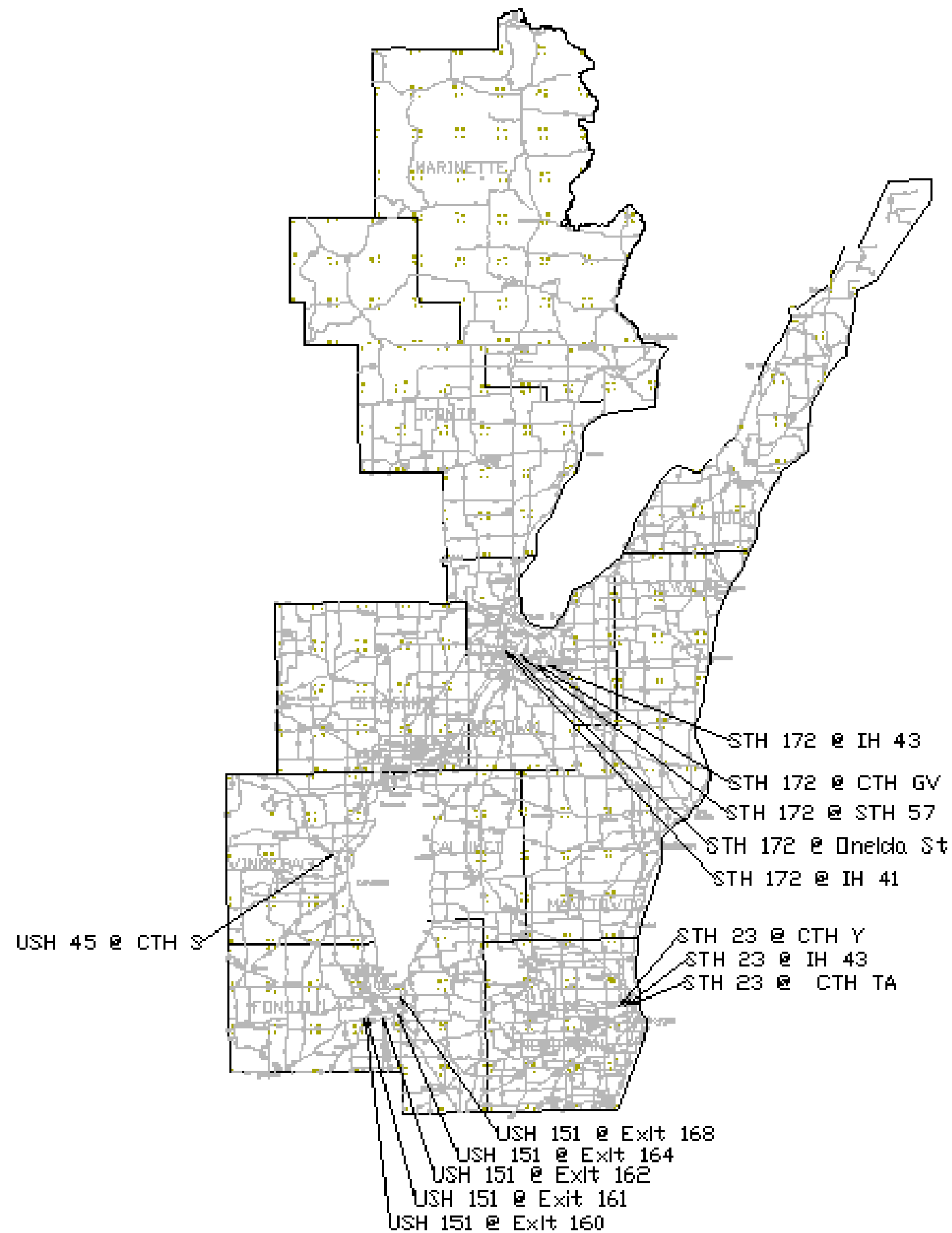
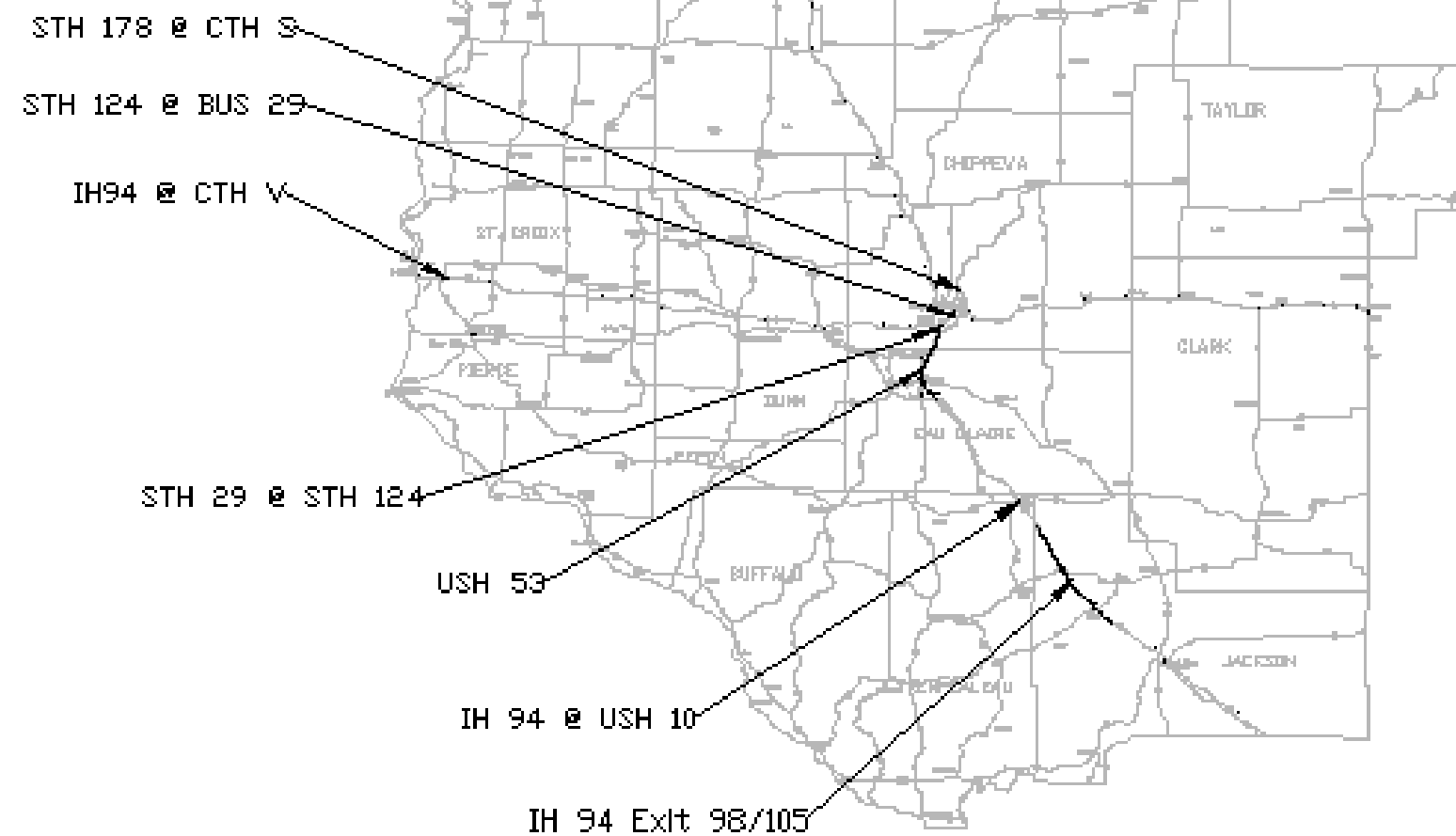


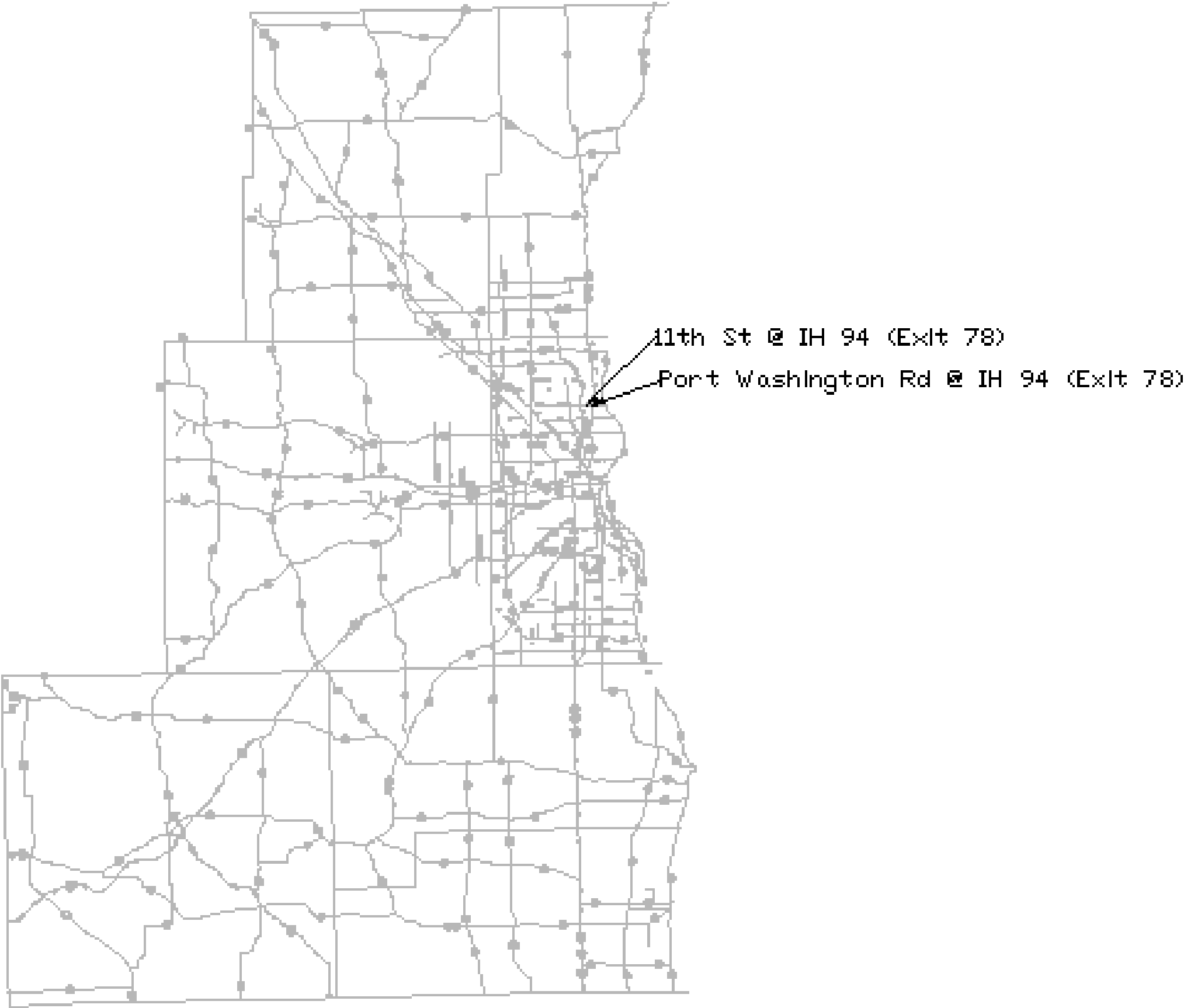
GENERAL NOTES
THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS, COORDINATE CONSTRUCTON ACTIVIITES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITEIS IN THE AREA. NOT ALL UTILIITES ARE MEMBERS OF DIGGERS HOTLINE.

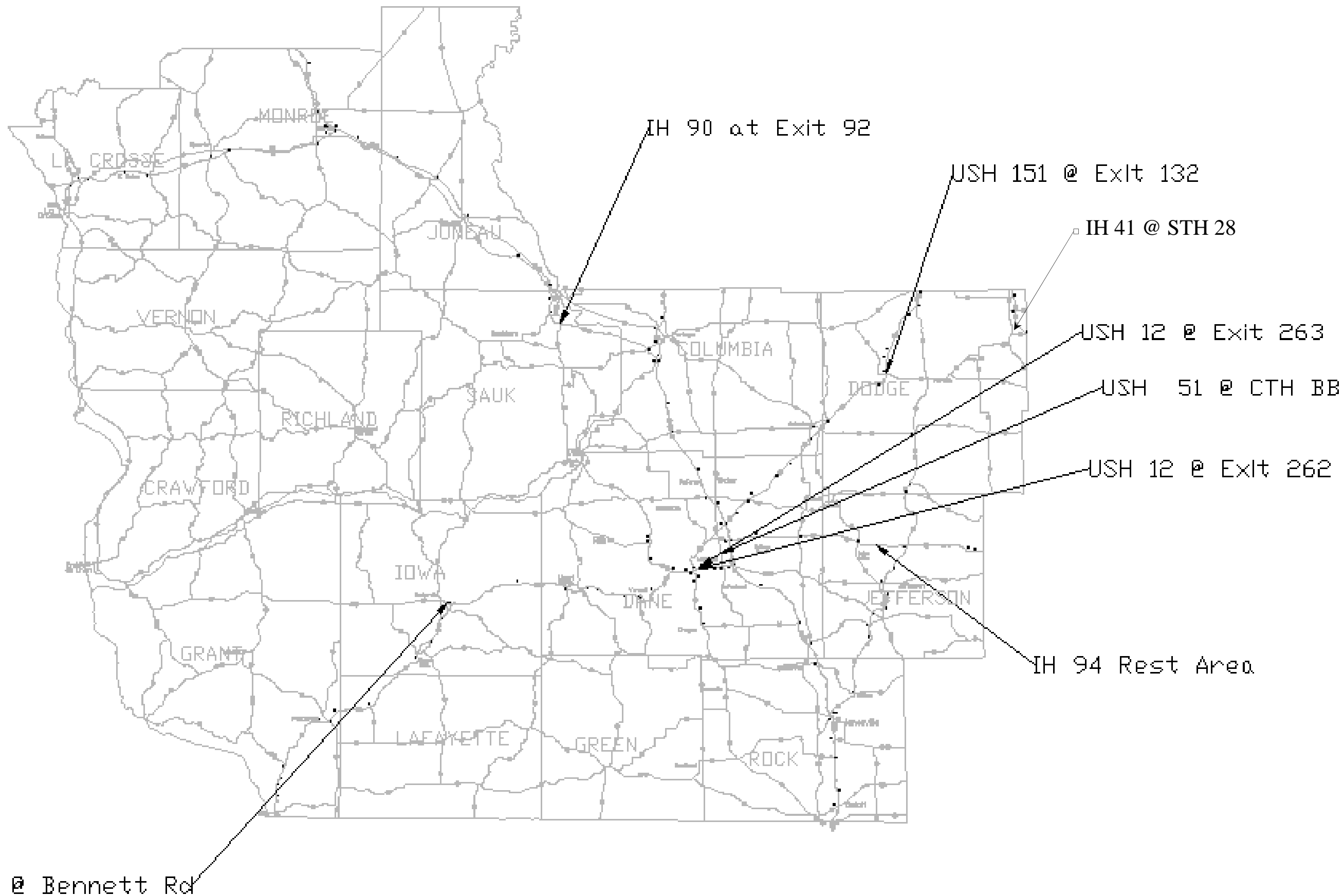












Estimate Of Quantities

1000-20-78

Line	Item	Item Description	Unit	Total	Qty
0002	531.1100	Concrete Masonry Ancillary Structures Type NS	CY	30.800	30.800
0004	531.1140	Steel Reinforcement HS Ancillary Structures Type NS	LB	4,362.000	4,362.000
0006	619.1000	Mobilization	EACH	1.000	1.000
0008	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	2.000	2.000
0010	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	9.000	9.000
0012	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	5.990	5.990
0014	635.0200	Sign Supports Structural Steel HS	LB	16,727.560	16,727.560
0016	635.9010.S	Sign Supports Shorten Structural Steel	EACH	6.000	6.000
0018	635.9020.S	Sign Supports Replacing Base Connection Bolts Legacy System	EACH	109.000	109.000
0020	637.1220	Signs Type I Reflective SH	SF	28,706.750	28,706.750
0022	637.1230	Signs Type I Reflective F	SF	1,195.840	1,195.840
0024	637.2210	Signs Type II Reflective H	SF	582.750	582.750
0026	638.2601	Removing Signs Type I	EACH	197.000	197.000
0028	638.2602	Removing Signs Type II	EACH	12.010	12.010
0030	638.3000	Removing Small Sign Supports	EACH	2.000	2.000
0032	638.3100	Removing Structural Steel Sign Supports	EACH	28.000	28.000
0034	SPV.0105	Special 01. Traffic Control	LS	1.000	1.000

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Marathon IH 39 CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments	
NC-39-1	IH 39 Northbound	Mile Marker 183	Right	E9-1 (Area) Next _ Exits	132	54	Wausau Next 8 Exits	49.5		1	1		
NC-39-2	IH 39 Northbound	Mile Marker 184	Right	E1-5-P Exit Number	108	30	Exit 185	22.5					
				E1-1-A Advance Exit Guide Sign, __ Mile	240	162	Bus 51 Rothschild Kronenwetter 1 MILE	270		1	1		
NC-39-3	IH 39 Northbound	Mile Marker 184	Right	E1-1-A Advance Exit Guide Sign, __ Mile	132	60	Schofield Exit 185	55		1	1		
NC-39-4	IH 39 Northbound	Business 51	Right	E1-1-A Advance Exit Guide Sign, __ Mile	192	162	29 Green Bay Wausau JCT 2 MILES	216		1	1		
NC-39-5	IH 39 Northbound	Business 51	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 187	22.5					
				E7-1 Advance Exit Guide Sign, __ Mile	348	168	NORTH WEST EAST 51 29 29 Wausau Weston Chippewa Green Bay Falls 1 Mile	406		1	1		
NC-39-6	IH 39 Northbound	29 East	Right	E6-51 Exit Direction Sign with Arrow	216	162	NORTH WEST 51 29 Wausau Chippewa Falls [DA] [DA]	243		1	1		
NC-39-7	IH 39 Northbound	STH 29E	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 187	22.5					
				E6-1 Exit Direction Sign with Arrow	192	120	29 East Weston [TR] Green Bay	160		1	1		
NC-39-8	IH 39 Southbound	Foxglove Rd	Right	E3-1 Destination - Next Right - Exit Number	132	60	Schofield Exit 185	55		1	1		
NC-39-9	IH 39 Southbound	Mile Marker 182	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 181	22.5					
				E1-1-A Advance Exit Guide Sign, __ Mile	240	114	Kronenwetter Mosinee 1 Mile	190		1	1		
NC-39-10	IH 39 Southbound	Mile Marker 181	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 179	22.5					
				E1-1-A Advance Exit Guide Sign, __ Mile	156	162	153 Mosinee Elderon 1 MILE	175.5		1	1		
NC-39-11	IH 39 Southbound	Mile Marker 181	Right	E3-1 Destination-Exit Number	228	60	Central Wis Airport EXIT 179	95		1	1		
NC-39-12	IH 39 Southbound	Mile Marker 180	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 179	22.5					
				E4-1-A Exit Direction Sign with Arrow	204	132	153 Mosinee [TR] Elderon	187		1	1		
SUBTOTALS								2237	0	12	12		
PROJECT NO: 1000-20-78			HWY: IH 39		COUNTY: MARATHON			MISCELLANEOUS QUANTITIES- NORTH CENTRAL REGION				SHEET:	E

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Portage IH 39 CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines					
NC-39-13	IH 39 Southbound	Mile Marker 167	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 165	22.5				
				E1-1-A Advance Exit Guide Sign, __ Mile	192	126	10 West Marshfield 1 Mile	168		1	1	
SUBTOTALS								190.5	0	1	1	

Shawano USH 45 CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines					
NC-45-1	USH 45 Southbound	Robin Rd 103.040 mi	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 198	22.5				
				E1-1-A Advance Exit Guide Sign, __ Mile	216	126	45 SOUTH Q Clintonville 1/2 Mile	189		1	1	
NC-45-2	USH 45 Southbound	Robin Rd 103.540 mi	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 198	22.5				
				E4-1-A Exit Direction Sign with Arrow	252	96	45 South Q [TR] Clintonville	168		1	1	
SUBTOTALS								402	0	2	2	

Portage USH 10 CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines					
NC-10-1	USH 10 Eastbound	STH 34 035.190 mi	Right	E1-1-A Advance Exit Guide Sign, __ Mile	252	162	39 51 Stevens Point Wausau JCT 2 MILES	283.5		1	1	
NC-10-2	USH 10 Westbound	ISH 39 049.870 mi	Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 208	25				
				E1-1-A Advance Exit Guide Sign, __ Mile	252	192	North Blank Blank 34 P HH Knowlton Junction City 1 Mile	336		1	1	
NC-10-3	USH 10 Westbound	ISH 39 050.720 mi	Right	D4-4 144W x 90H Park and Ride - Car Symbol Only (Exit Number)	144	90	Park and Ride Exit 208	90		1	1	
NC-10-4	USH 10 Westbound	ISH 39 050.870 mi	Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 208	25		1		
				E4-1-A Exit Direction Sign with Arrow	288	156	North Blank Blank 34 P HH Knowlton [TR] Junction City	312		1	1	
SUBTOTALS								1071.5	0	5	4	

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Waupaca USH 10 CATEGORY 0010

Waupaca USH 10 CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines					
NC-10-5	USH 10 Eastbound	STH 22	Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 253	25				
				E1-1-A Advance Exit Guide Sign, __ Mile	228	84	Churchill St 1/2 MILE	133		1	1	
NC-10-6	USH 10 Eastbound	STH 22	Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 253	25				
				E4-1-A Exit Direction Sign with Arrow	264	54	Churchill St [TR]	99		1	1	
NC-10-7	USH 10 Eastbound	Churchill St	Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 254	25				
				E1-1-A Advance Exit Guide Sign, __ Mile	312	186	North East Blank North 22 54 A K Waupaca New London 1/2 Mile	403		1	1	
NC-10-8	USH 10 Eastbound	CTH A	Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 254	25				
				E4-1-A Exit Direction Sign with Arrow	300	150	North East Blank North 22 54 A K Waupaca [TR] New London	312.5		1	1	
NC-10-9	USH 10 Westbound	CTH F	Right	E1-5-P Exit Number for E1-1 & E4-1	144	30	Exit 260 A	30				
				E1-1-A Advance Exit Guide Sign, __ Mile	228	126	110 North X Weyauwega 1/2 MILE	199.5		1	1	
NC-10-10	USH 10 Westbound	Vaughan Rd	Right	E9-1 (Area) Next _ Exits	132	54	Waupaca NEXT 4 EXITS	49.5		1	1	
NC-10-11	USH 10 Westbound	Vaughan Rd	Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 254	25				
				E1-1-A Advance Exit Guide Sign, __ Mile	276	150	North East Blank North 22 54 A K Waupaca 1 MILE	287.5		1	1	
NC-10-12	USH 10 Westbound	CTH A	Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 254	25				
				E4-1-A Exit Direction Sign with Arrow	312	120	North East Blank North 22 54 A K Waupaca [TR]	260		1	1	
NC-10-13	USH 10 Westbound	Churchill St	Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 253	25				
				E4-1-A Exit Direction Sign with Arrow	264	54	Churchill St [TR]	99		1	1	
NC-10-14	USH 10 Westbound	STH 54	Right	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 252	25				
				E4-1-A Exit Direction Sign with Arrow	228	156	SOUTH South 22 K Waupaca [TR] Wild Rose	247		1	1	

Waupaca USH 10- Category 0070

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NC-10-16	USH 10 Westbound	Exit 254	Right	E3-1 Destination - Next Right - Exit Number	156	84	Fox Valley Tech College EXIT 254	91		1	1	
NC-10-17	USH 10 Eastbound	Exit 254	Right	E3-1 Destination - Next Right - Exit Number	156	84	Fox Valley Tech College EXIT 254	91		1	1	
SUBTOTALS								182	0	2	2	

Lincoln USH 51 CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments	
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines						
NC-51-1	USH 51 Northbound	Mile Marker 204	Right	E1-5-P Exit Number E4-1-A Exit Direction Sign with Arrow	120 180	30 90	Exit 205 Q [TR] Merrill [TR]	25 112.5		1	1		
NC-51-2	USH 51 Northbound	CTH Q	Right	E1-5-P Exit Number E1-1-A Advance Exit Guide Sign, __ Mile	120 144	30 162	Exit 208 17 64 Merrill Antigo 1 Mile	25 162		1	1		
NC-51-3	USH 51 Northbound	CTH Q	Right	E10-61 144W x 54H Hospital Exit [000]	144	54	Hospital Exit 208	54		1	1		
NC-51-4	USH 51 Northbound	CTH Q	Right	E3-1 Destination- Exit Number	204	84	Council Grounds State Park Exit 208	119		1	1		
NC-51-5	USH 51 Northbound	STH 64	Right	E1-5-P Exit Number E4-1-A Exit Direction Sign with Arrow	120 180	30 132	Exit 208 17 64 Merrill (TR) Antigo	25 165		1	1		
NC-51-6	USH 51 Northbound	CTH G	Right	E1-5-P Exit Number for E1-1 & E4-1 E1-1-A Advance Exit Guide Sign, __ Mile	108 144	30 120	Exit 211 K Merrill 1 Mile	22.5 120		1	1		
NC-51-7	USH 51 Northbound	CTH K	Right	E1-5-P Exit Number for E1-1 & E4-1 E4-1-A Exit Direction Sign with Arrow	108 180	30 90	Exit 211 K [TR] Merrill	22.5 112.5		1	1		
NC-51-8	USH 51 Southbound	Mile Marker 210	Right	E1-5-P Exit Number for E1-1 & E4-1 E1-1-A Advance Exit Guide Sign, __ Mile	120 144	30 162	Exit 208 17 64 Merrill Antigo 1 Mile	25 162		1	1		
NC-51-9	USH 51 Southbound	Mile Marker 210	Right	E10-61 144W x 54H Hospital Exit [000]	144	54	Hospital Exit 208	54		1	1		
NC-51-10	USH 51 Southbound	Mile Marker 210	Right	E3-1 Destination- Exit Number	204	84	Council Grounds State Park Exit 208	119		1	1		
NC-51-11	USH 51 Southbound	Mile Marker 209	Right	E1-5-P Exit Number for E1-1 & E4-1 E4-1-A Exit Direction Sign with Arrow	120 180	30 132	Exit 208 17 64 Merrill [TR] Antigo	25 165		1	1		
NC-51-12	USH 51 Southbound	Mile Marker 208	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	168	84	Hwy WW 12 Wausau 17 Madison 160	98		1	1		
NC-51-13	USH 51 Southbound	Mile Marker 207	Right	E1-5-P Exit Number for E1-1 & E4-1 E1-1-A Advance Exit Guide Sign, __ Mile	120 144	30 120	Exit 205 Q Merrill 1 Mile	25 120		1	1		
NC-51-14	USH 51 Southbound	Wisconsin River	Right	E1-5-P Exit Number for E1-1 & E4-1 E4-1-A Exit Direction Sign with Arrow	120 180	30 90	Exit 205 Q [TR] Merrill	25 112.5		1	1		
SUBTOTALS								1895.5	0	14	14		
PROJECT NO: 1000-20-78			HWY: LINCOLN		COUNTY: USH 51			MISCELLANEOUS QUANTITIES- NORTH CENTRAL REGION				SHEET:	E

Marathon USH 51 Northbound CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments	
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines						
NC-51-15	USH 51 Northbound	CTH N	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 188	22.5				S-37-54	
				E6-51 Advanced Exit Guide Sign (Overhead)	168	102	N Rib Mtn Dr 1/2 Mile	119		1			
				E11-1 Exit (Single Down Arrow) Only	168	36	Exit [DA] Only		42				
NC-51-16	USH 51 Northbound	CTH N	Left/Overhead	E8-1 Sequence Sign-Highways __ Miles	252	96	N Rib Mtn Dr 1/2 NN North Mtn Rd 2 29 West 3	168		1		S-37-76	
NC-51-17	USH 51 Northbound	CTH N	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 188	22.5				S-37-41	
				E6-1 Exit Gore Sign (Overhead)	180	84	N Rib Mtn Dr	105		1			
				E11-1E Exit (Double TR Arrow) Only	180	48	[TR] EXIT [TR] Only		60				
NC-51-18	USH 51 Northbound	CTH NN	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 190	22.5					
				E1-1-A Advance Exit Guide Sign, __ Mile	252	120	NN North Mtn Rd 1 1/2 MILEs	210		1	1		
NC-51-19	USH 51 Northbound	CTH NN	Cantilever	E8-1 Sequence Sign-Highways __ Miles	252	90	NN North Mtn Rd 1/2 29 West 1 1/2 Sherman St 1 3/4	157.5		1		S-37-55	
NC-51-20	USH 51 Northbound	CTH NN	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 190	22.5					
				E4-1-A Exit Direction Sign with Arrow	288	96	NN [TR] North Mtn Rd	192		1	1		
NC-51-21	USH 51 Northbound	CTH NN	Overhead	E1-5-P Exit Number for E1-1 & E4-1	132	30	Exit 191 A	27.5				S-37-56	
				E6-51 Advanced Exit Guide Sign (Overhead)	216	144	29 WEST Abbotsford Chippewa Falls 3/4 Mile	216		1			
NC-51-22	USH 51 Northbound	CTH NN	Overhead	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 191 B	25				S-37-57	
				E6-51 Advanced Exit Guide Sign (Overhead)	180	66	Sherman St 3/4 Mile	82.5					
				E11-1 Exit (Single Down Arrow) Only	180	36	Exit [DA] Only		45	1			
NC-51-23	USH 51 Northbound	CTH NN	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	204	120	51 NORTH Merrill [DA] [DA]	170		1		S-37-57	
NC-51-24	USH 51 Northbound	CTH NN	Overhead	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 191 B	25				S-37-56	
				E6-51 Advanced Exit Guide Sign (Overhead)	180	66	Sherman St 1 Mile	82.5		1			
NC-51-25	USH 51 Northbound	CTH NN	Overhead	E1-5-P Exit Number for E1-1 & E4-1	132	30	Exit 191 A	27.5				S-37-57	
				E6-51 Advanced Exit Guide Sign (Overhead)	216	114	29 WEST Abbotsford Chippewa Falls	171		1			
				E11-1 Exit (Single Down Arrow) Only	216	36	EXIT [DA] ONLY		54				
SUBTOTALS								1868.5	201	11	2		
PROJECT NO: 1000-20-78			HWY: USH 51		COUNTY: MARATHON			MISCELLANEOUS QUANTITIES- NORTH CENTRAL REGION				SHEET:	E

Marathon USH 51 Northbound Continued CATEGORY 0010

Marathon USH 51 Northbound Continued CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines					
NC-51-26	USH 51 Northbound	CTH NN	Cantilever	E8-1 Seq. Sign - Name-Highways - ____ Miles	240	90	29 West 1/4 Sherman St 1/2 52 Stewart Ave 1	150		1		S-37-58
NC-51-27	USH 51 Northbound	CTH NN	Overhead	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 191 B	25	45	1		S-37-59
				E6-1 Exit Gore Sign (Overhead)	180	66	Sherman St 1/4 Mile	82.5				
				E11-1 Exit (Single Down Arrow) Only	180	36	Exit [DA] Only					
NC-51-28	USH 51 Northbound	CTH NN	Overhead	E1-5-P Exit Number for E1-1 & E4-1	132	30	Exit 191 A	27.5	72	1		S-37-59
				E6-1 Exit Gore Sign (Overhead)	216	114	WEST 29 Abbotsford Chippewa Falls	171				
				E11-1E Exit (Double TR Arrow) Only	216	48	[TR] Exit [TR] Only					
NC-51-29	USH 51 Northbound	Sherman St	Overhead	E1-5-P Exit Number for E1-1 & E4-1	120	30	Exit 191 B	25	52.5	1		S-37-60
				E6-1 Exit Gore Sign (Overhead)	180	42	Sherman St	52.5				
				E11-1 Exit (Single Down Arrow) Only	180	42	EXIT [TR] ONLY					
NC-51-30	USH 51 Northbound	STH 52	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 192	22.5	1			S-37-60
				E6-51 Advanced Exit Guide Sign, Exit ____ Mile	180	108	52 Stewart Ave 1/4 Mile	135				
NC-51-31	USH 51 Northbound	STH 52	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 192	22.5	1	1		
				E4-1-A Exit Direction Sign with Arrow	216	90	52 [TR] Stewart Ave	135				
NC-51-32	USH 51 Northbound	STH 52	Left	E8-1 Sequence Sign-Highways ____ Miles	228	90	Bridge St 3/4 K U BUS 51 2 WW 4 1/2	142.5		1		S-27-61
NC-51-33	USH 51 Northbound	STH 52	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 193	22.5	1	1		
				E1-1-A Advance Exit Guide Sign, Exit ____ Mile	180	84	Bridge St 3/4 Mile	105				
NC-51-34	USH 51 Northbound	Bridge St.	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 193	22.5	42	1		S-37-62
				E6-1 Exit Guide Sign (Overhead)	168	42	Bridge St	49				
				E11-1 Exit (Single Down Arrow) Only	168	36	Exit [DA] Only					
NC-51-35	USH 51 Northbound	Bridge St.	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 193	22.5	56	1		S-37-63
				E6-1 Exit Gore Sign (Overhead)	168	42	Bridge St	49				
				E11-1E Exit (Double TR Arrow) Only	168	48	[TR] EXIT [TR] Only					
SUBTOTALS								1261.5	267.5	10	2	

Marathon USH 51 Southbound CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NC-51-36	USH 51 Southbound	Bridge St.	Cantilever	E8-1 Seq. Sign Highways - __ Miles	264	96	52 Stewart Ave 1/4 29 West 1/4 NN North Mtn Rd 2 1/4	176		1		S-37-65
NC-51-37	USH 51 Southbound	Bridge St.	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 192	22.5				S-37-66
				E6-1 Overhead Exit Guide Sign	180	90	52 Stewart Ave	112.5		1		
				E11-1 Exit (Single Down Arrow) Only	180	36	Exit [DA] Only		45			
NC-51-38	USH 51 Southbound	Bridge St.	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 192	22.5				S-37-82
				E6-1 Overhead Exit Guide Sign	180	90	52 Stewart Ave	112.5		1		
				E11-1E Exit (Double TR Arrow) Only	180	48	[TR] EXIT [TR] Only		60			
NC-51-39	USH 51 Southbound	Bridge St.	Overhead	E1-5-P Exit Number for E1-1 & E4-1	132	30	Exit 191A	27.5				S-37-82
				E6-51 Advanced Exit Guide Sign (Overhead)	216	144	29 WEST Abbotsford Chippewa Falls 1/4 Mile	216		1		
NC-51-40	USH 51 Southbound	Bridge St.	Overhead	E1-5-P Exit Number for E1-1 & E4-1 E6-1 Overhead Exit Guide Sign with Arrow	132 252	30 120	Exit 191A 29 WEST Abbotsford [TR] Chippewa Falls	27.5 210		1	1	S-37-68
NC-51-41	USH 51 Southbound	Bridge St.	Overhead	E6-51 Advanced Exit Direction Sign (Overhead)	216	162	SOUTH EAST TO 51 29 39 Green Bay Madison [DA] [DA]	243		1		S-37-68
NC-51-42	USH 51 Southbound	STH 52	Cantilever	E8-1 Sequence Sign-Highways __ Miles	264	96	NN North Mtn Rd 1 1/4 N Rib Mtn Dr 3 29 East 4	176		1		S-27-61
NC-51-43	USH 51 Southbound	STH 52	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 190	22.5				
				E1-1-A Advance Exit Guide Sign, __ Mile	252	120	NN North Mtn Rd 1 Mile	210		1	1	
NC-51-44	USH 51 Southbound	Sherman St	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 190	22.5				S-37-74
				E6-1 Overhead Exit Guide Sign	204	84	NN North Mtn Rd	119		1		
				E11-1 Exit (Single Down Arrow) Only	204	36	Exit [DA] Only		51			
NC-51-45	USH 51 Southbound	Sherman St	Cantilever	E8-1 Sequence Sign-Highways __ Miles	252	96	NN North Mtn Rd 1/4 N Rib Mtn Dr 2 29 East 2 3/4	168		1		S-37-58
NC-51-46	USH 51 Southbound	Sherman St	Right	E3-1 Exit xx	168	138	Granite Peak Ski Area STATE PATROL Headquarters Exit 190	161		1	1	
SUBTOTALS								2049	156	11	3	

Marathon USH 51 Southbound Continued CATEGORY 0010								635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflectiv e SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removin g Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NC-51-47	USH 51 Southbound	CTH NN	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 190				22.5				S-37-75
				E6-1 Exit Gore Sign (Overhead)	204	84	NN North Mtn Rd				119		1		
				E11-1E Exit (Double TR Arrow) Only	204	48	[TR] EXIT [TR] Only					68			
NC-51-48	USH 51 Southbound	CTH NN	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 188				22.5				Remove existing signs, beams, bases. Move to 825' north of Rib mnt Park Sign W12x26
				E1-1-A Advance Exit Guide Sign, __ Mile	204	120	N Rib Mtn Dr 1 MILE	1283.68	2.4	360	170		1	1	
NC-51-49	USH 51 Southbound	CTH NN	Right	E3-1 Exit xx	180	162	Rib Mountain State Park Nine Mile County Forest Rec Area Exit 188				202.5		1	1	
NC-51-50	USH 51 Southbound	CTH NN	Cantilever	E8-1 Sequence Sign- Highways __ Miles	228	96	N Rib Mtn Dr 1/2 29 East 1 1/2 51 Bus 4 1/2				152		1		S-37-55
NC-51-51	USH 51 Southbound	CTH N	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 187				22.5				
				E1-1-A Advance Exit Guide Sign, __ Mile	192	162	29 East Weston Green Bay 1/2 Mile				216		1	1	
NC-51-52	USH 51 Southbound	CTH N	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 187				22.5				S-37-42
				E6-1 Exit Gore Sign (Overhead)	168	114	29 East Weston Green Bay				133		1		
				E11-1 Exit (Single Down Arrow) Only	168	36	Exit [DA] Only					42			
NC-51-53	USH 51 Southbound	CTH N	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	300	150	39 South 51 South Stevens Point Madison [DA] [DA] [DA]				312.5		1		S-37-76
NC-51-54	USH 51 Southbound	CTH N	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 187				22.5				S-37-76
				E6-51 Advanced Exit Guide Sign (Overhead)	168	114	29 East Weston Green Bay				133		1	1	
				E11-1E Exit (Double TR Arrow) Only	168	48	[TR] EXIT [TR] Only					56			
SUBTOTALS								1283.68	2.4	360	1550.5	166	8	4	

PROJECT NO: 1000-20-78			HWY: USH 51		COUNTY: MARATHON		MISCELLANEOUS QUANTITIES- NORTH CENTRAL REGION				SHEET:		E
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Marathon STH 29 CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NC-29-1	STH 29 Eastbound	72nd		E8-1 Sequence Sign-Highways __ Miles	276	96	52 Stewart Ave 3/4 NN North Mtn Rd 2 3/4 N Rib Mtn Dr 4 1/2	184		1		S-37-94
NC-29-2	STH 29 Eastbound	STH 29E Ramp at 28t	Overhead	E1-5-P Exit Number for E1-1 & E4-1	132	48	Left Exit 164 A	44				S-37-71
				E6-1 Exit Gore Sign (Overhead)	168	84	52 Wausau	98				
				E11-1-D Exit (TL Arrow) Only	168	42	Exit TL Only		49	1		
NC-29-3	STH 29 Eastbound	STH 29E Ramp at 28th	Overhead	E1-5-P Exit Number for E1-1 & E4-1	84	48	EXIT 164 B	28				S-37-71
				E6-51 Advanced Exit Guide Sign (Overhead)	108	132	NORTH 51 Merrill [DA]	99		1		
NC-29-4	STH 29 Eastbound	28th Ave	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	216	162	SOUTH EAST TO 51 29 39 Green Bay Madison [DA]	243		1		S-37-72
NC-29-5	STH 29 Eastbound	28th Ave	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 190	22.5				S-37-72
				E6-51 Advanced Exit Guide Sign (Overhead)	204	108	NN North Mtn Rd 1 1/2 MILES	153		1		
				E11-1 Exit (Single Down Arrow) Only	204	36	Exit [DA] Only		51			
NC-29-6	STH 29 Eastbound	USH 51	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 190	22.5				S-37-73
				E6-51 Advanced Exit Guide Sign (Overhead)	204	108	NN North Mtn Rd 1 Mile	153		1		
				E11-1 Exit (Single Down Arrow) Only	204	36	Exit [DA] Only		51			
NC-29-7	STH 29 Eastbound	Business 51	Right	E3-1 State Trail	168	84	Mountain - Bay State Trail Exit 173	98		1	1	
NC-29-8	STH 29 Westbound	Mile Marker 178	Right	E3-1 State Trail	168	84	Mountain - Bay State Trail Exit 177	98		1	1	
SUBTOTALS								1243	151	8	2	

NORTH CENTRAL REGION SUMMARY

NC SUMMARY CATEGORY 0010

ROUTE	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Lincoln USH 51				1895.5		14		14	
Marathon USH 51	1283.68	2.4	360	6729.5	790.5	40	2	11	
Marathon IH 39				2237		12		12	
Portage IH 39				190.5		1		1	
Marathon STH 29				1245.25	151	8		2	
Portage USH 10				1071.5		5		4	
Waupaca USH 10				2320		10		10	
Shawano USH 45				402		2		2	
Region Total	1283.68	2.4	360	16091.25	941.5	92	2	56	

NC TOTALS CATEGORY 0070

ROUTE	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	Comments
Fox Valley USH 10	253	2	2	
Region Total	253	2	2	

Fond du Lac USH 151 Northbound

Fond du Lac USH 151 Northbound								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines					
NE-151-1	USH 151 Northbound	CTH D	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 160	22.5				new install
				E1-1-A Advance Exit Guide Sign, __ Mile	132	24	D To Military Rd 1 Mile	22			Add 1 Mile overlay only	
NE-151-2	USH 151 Northbound	CTH D	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 160	22.5				New install
				E4-1-A Exit Direction Sign with Arrow			D To Military Rd [TR]	0			Install exit hat only	
NE-151-3	USH 151 Northbound	Hickory St	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 161	22.5				New Install
				E1-1-A Advance Exit Guide Sign, __ Mile	132	24	Hickory St 1 Mile	22			Add 1 Mile overlay only	
NE-151-4	USH 151 Northbound	Hickory St	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 161	22.5				New Install
				E4-1-A Exit Direction Sign with Arrow			Hickory St [TR]	0			Install exit hat only	
NE-151-5	USH 151 Northbound	STH 175	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 162	22.5				New Install
				E1-1-A Advance Exit Guide Sign, __ Mile	156	24	175 Main St 3/4 Mile	26		1	Add ¾ Mile overlay only	
NE-151-6	USH 151 Northbound	STH 175	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 162	22.5				New Install
				E4-1-A Exit Direction Sign with Arrow			175 Main St [TR}	0		1	Install exit hat only	
NE-151-7	USH 151 Northbound	CTH V Concurrent with 45	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 164	22.5				new install
				E1-1-A Advance Exit Guide Sign, __ Mile	156	24	45 V 3/4 Mile	26			Add ¾ Mile Overlay Only	
NE-151-8	USH 151 Northbound	CTH V Concurrent with 45	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 164	22.5				New install S-20-41
				E6-1 Advance Exit Guide Sign, __ Mile			45 V [TR]	0			Install exit hat only	
NE-151-9	USH 151 Northbound	STH 23	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 168	22.5				new install
				E1-1-A Advance Exit Guide Sign, __ Mile	132	24	23 Johnson St 1 Mile	22			Add 1 Mile Overlay only	
NE-151-10	USH 151 Northbound	STH 23	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 168	22.5				New Install
				E4-1-A Exit Direction Sign with Arrow	252	96	23 Johnson St [TR]	168		1	1	new install
SUBTOTALS								511	0	1	3	

Fond du Lac USH 151 Southbound

Fond du Lac USH 151 Southbound								637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines					
NE-151-11	USH 151 Southbound	STH 23	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 168	22.5				new install
				E1-51-A Advance Exit Guide Sign, Exit __ Mile	156	24	23 Johnson St EXIT 1/2 MILE	26				Add 1/2 Mile overlay only
NE-151-12	USH 151 Southbound	STH 23	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 168	22.5				new install
				E4-1-A Exit Direction Sign with Arrow			23 Johnson St [TR]					Install exit hat only
NE-151-13	USH 151 Southbound	CTH V Concurrent with 45	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 164	22.5				New Install
				E1-1-A Advance Exit Guide Sign, __ Mile	132	24	45 V Exit 1 Mile	22				Add 1 mile overlay only
NE-151-14	USH 151 Southbound	CTH V Concurrent with 45	Overhead	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 164	22.5				Install exit hat only S-40-42
				E6-1 Advance Exit Guide Sign, __ Mile			45 V [TR]	0				Install exit hat only
NE-151-15	USH 151 Southbound	STH 175	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 162	22.5				add exit hat Install exit hat only
				E4-1-A Exit Direction Sign with Arrow			175 Main St LT			1	1	
				E13-1-P Exit XX MPH			Exit 15 MPH					
NE-151-16	USH 151 Southbound	Hickory St	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 161	22.5				New Install
				E1-1-A Advance Exit Guide Sign, __ Mile	156	24	Hickory St Exit 1/2 Mile	26				Add ½ mile overlay only
NE-151-17	USH 151 Southbound	Hickory St	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 161	22.5				New Install
				E4-1-A Exit Direction Sign with Arrow			Hickory St [TR]					Install exit hat only
NE-151-18	USH 151 Southbound	CTH D	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 160	22.5				new install
				E1-1-A Advance Exit Guide Sign, __ Mile	132	24	D To Military Rd 1 Mile	22				Add 1 mile overlay only
NE-151-19	USH 151 Southbound	CTH D	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 160	22.5				New install
				E4-1-A Exit Direction Sign with Arrow			D To Military Rd [TR]					Install exit hat only
SUBTOTALS								298.5	0	1	1	

Fond du Lac USH 151- Category 0040/0050

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NE-151-20	USH 151 Northbound	STH 23	Right	E3-1 Destination - Next Right - Exit Number	180	108	Moraine Park Tech College Marian College Exit 168	135		1	1	Revised verbiage
NE-151-23	USH 151 Southbound	STH 23	Right	E3-1 Destination - Next Right - Exit Number	180	108	Moraine Park Tech College Marian College Exit 168	135		1	1	Revised verbiage
SUBTOTALS								270	0	2	2	

Fond du Lac USH 151- Category 0040/0050/0060

Sign Number	Route	PLM	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.2210 Signs Type II Reflective H SF	638.2602 Removing Signs Type II EACH	634.0620 Posts Wood 4x6-Inch x 20-FT EACH	Comments
NE-151-22	USH 151 Northbound	020.660 mi	STH 23	Left	D1-4 Destination Sign	96	72	[LA] UW Oshkosh at Fond Du Lac LA] Marian Univ [LA] Moraine Park Tech College	48	1	2	
NE-151-25	USH 151 Southbound	020.660 mi	STH 23	Left	D1-4 Destination Sign	96	72	UW Oshkosh at[RA] Fond Du Lac Marian Univ [RA] Moraine Park [RA] Tech College	48	1	2	move to right side of road
SUBTOTALS									96	2	4	

Fond du Lac USH 151- Category 0060

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NE-151-21	USH 151 Northbound	STH 23	Right	E3-1 Destination - Next Right - Exit Number	180	84	UW Oshkosh at Fond Du Lac Exit 168	105		1	1	Revised verbiage
NE-151-24	USH 151 Southbound	STH 23	Right	E3-1 Destination - Next Right - Exit Number	180	84	UW Oshkosh at Fond Du Lac Exit 168	105		1	1	Revised verbiage
SUBTOTALS								210	0	2	2	

Sheboygan STH 23 CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	638.2602 Removing Signs Type II EACH	638.3000 Removing Small Sign Supports EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NE-23-1	STH 23 Eastbound	CTH TA	Right	E1-1-A Advance Exit Guide Sign, Exit ___ Mile	180	78	Taylor Dr Exit 1/4 Mile				97.5		1			1	
NE-23-2	STH 23 Eastbound	CTH TA	Right	E3-1 Destination - Next Right - Exit Number	132	78	Old Plank Road Trail Next Right				71.5		1			1	
NE-23-3	STH 23 Eastbound	CTH TA	Overhead	E6-1 Exit Gore Sign (Overhead)	192	84	TA Taylor Dr [TR]				112		1				S-59-10
NE-23-4	STH 23 Eastbound	CTH TA	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	204	120	23 Memorial Dr [DA] [DA]				170		1				S-59-10
NE-23-5	STH 23 Eastbound	CTH TA	Right	E10-62 144W x 54H Hospital Next Right	144	54	Hospital Next Right	591.35	1.6	142	54			1	2		W6x15
NE-23-6	STH 23 Westbound	CTH TA	Right	E1-1-A Advance Exit Guide Sign, Exit ___ Mile	192	156	43 Milwaukee Green Bay Exit 1/2 Mile				208		1			1	
NE-23-7	STH 23 Westbound	IH 43	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	156	114	43 South Milwaukee Exit 1/2 Mile				123.5		1				S-59-9
NE-23-8	STH 23 Westbound	IH 43	Overhead	E6-1 Exit Gore Sign (Overhead)	204	90	43 North [TR] Green Bay				127.5		1				S-59-9
NE-23-9	STH 23 Westbound	IH 43	Overhead	E6-1 Exit Gore Sign (Overhead)	204	90	43 South [TR] Milwaukee				127.5		1				
NE-23-10	STH 23 Westbound	CTH Y	Right	E1-1-A Advance Exit Guide Sign, Exit ___ Mile	168	120	Y Kohler Exit 1/2 Mile				140		1			1	
SUBTOTALS								591.35	1.6	142	1231.5	0	9	1	2	4	

Brown STH 172 Eastbound CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NE-172-1	STH 172 Eastbound	IH 41	Overhead	E6-1 Exit Gore Sign (Overhead)	180	90	41 South De Pere (TR) Marinette (TR)				112.5		1		S-5-45
NE-172-2	STH 172 Eastbound	Ramp To 41 north	On Ramp Overhead	E6-51 Advanced Exit Sign (Overhead)	144	120	41 North Marinette [DA]				120		1		S-5-13
NE-172-3	STH 172 Eastbound	Ramp To 41 south	On Ramp Overhead	E6-1 Exit Gore Sign (Overhead)	180	90	41 SOUTH De Pere (TR)				112.5		1		S-5-13
NE-172-4	STH 172 Eastbound	Oneida St	Right	E1-1A Advanced Exit Guide Sign	240	162	To 32 Oneida St Ashland Ave EXIT 1/2 Mile	2229.98	3.6	540	270		1	1	ad To W12x26
NE-172-5	STH 172 Eastbound	Overhead	Right	E6-1 Exit Gore Sign (Overhead)	192	114	To 32 Oneida St (TR) Ashland Ave				152	56	1		S-5-95
				E11-1D Exit (TR Arrow) Only	192	42	Exit [TR] Only								
NE-172-6	STH 172 Eastbound	STH 57	Right	E3-1 Destination - Next Right	132	114	Crash Investigation Site Next Right				104.5		1	1	
NE-172-7	STH 172 Eastbound	STH 57	Right	E3-1 Destination - Next Right	156	78	Heritage Hill State Park Next Right				84.5		1	1	
NE-172-8	STH 172 Eastbound	STH 57	Right	E1-1-A Advance Exit Guide Sign, Exit __ Mile	228	162	57 X Webster Ave Riverside Dr EXIT 1 MILE				256.5		1	1	
NE-172-9	STH 172 Eastbound	STH 57	Overhead	E6-51 Adanced Exit Gore Sign (Overhead)	204	144	172 TO 43 Manitowee Milwaukee Sturgeon Bay [DA] [DA]				204		1		S-5-19
NE-172-10	STH 172 Eastbound	STH 57	Overhead	E6-1 Exit Gore Sign (Overhead)	228	114	57 X Webster Ave (TR) Riverside Dr				180.5		1		S-5-19
NE-172-11	STH 172 Eastbound	Ramp To Riverside Dr.	Overhead	E6-1 Exit Gore Sign (Overhead)	180	126	57 Riverside Dr (TR)				157.5		1		S-5-18
NE-172-12	STH 172 Eastbound	Ramp To Webster Ave.	Overhead	E6-51 Advanced Exit Gore Sign (Overhead)	192	114	X Webster Ave (DA)				152		1		S-5-18
SUBTOTALS								2229.98	3.6	540	1906.5	56	12	4	

Brown STH 172 Eastbound CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	635.0200 Sign Supports Structural Steel HS LBS	31.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NE-172-13	STH 172 Eastbound	CTH GV	Right	E1-1-A Advance Exit Guide Sign, Exit __ Mile	192	120	GV Monroe Rd Exit 1 Mile	1299.12	2.4	360	160		1	1	w12X26
NE-172-14	STH 172 Eastbound	CTH GV	Right	E1-1-A Advance Exit Guide Sign, Exit __ Mile	252	162	43 Milwaukee Sturgeon Bay Exit 2 Miles				283.5		1	1	
NE-172-15	STH 172 Eastbound	CTH GV	Right	E4-1-A Exit Direction Sign with Arrow	240	90	GV Monroe Rd [TR]	1408.48	2.4	360	150		1	1	W12x26
NE-172-16	STH 172 Eastbound	IH 43	Right	E1-1-A Advance Exit Guide Sign, Exit __ Mile	252	162	43 Milwaukee Sturgeon Bay EXIT 1/2 Mile				283.5		1	1	
NE-172-17	STH 172 Eastbound	IH 43	Right	E3-1 Destination - Next Right	156	108	To 29 Kewaunee Next Right				117		1	1	
NE-172-18	STH 172 Eastbound	IH 43	Overhead	E6-51 Advanced Exit Gore Sign (Overhead)	204	120	43 North Sturgeon Bay [DA] [DA]				170		1		S-5-40
NE-172-19	STH 172 Eastbound	IH 43	Overhead	E6-1 Exit Gore Sign (Overhead)	216	114	SOUTH TO EAST 43 29 Milwaukee [TR]				171		1		S-5-40
SUBTOTALS								2707.6	4.8	720	1335	0	7	5	

Brown STH 172 Westbound CATEGORY 0010

Brown STH 172 Westbound CATEGORY 0010								635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines								
NE-172-20	STH 172 Westbound	CTH GV	Right	E1-1-A Advance Exit Guide Sign, Exit __ Mile	192	120	GV Monroe Rd Exit 1 Mile	1365.58	2.4	360	160		1	1	W12x26
NE-172-21	STH 172 Westbound	CTH GV	Right	E9-1 (Area) Next _ Exits	132	78	Green Bay De Pere NEXT 4 EXITS				71.5		1	1	
NE-172-22	STH 172 Westbound	CTH GV	Overhead	E6-1 Exit Gore Guide Sign	168	78	GV Monroe Rd				91		1		s-5-49
				E11-1 Exit (Single Down Arrow) Only	168	36	Exit [DA] Only					42	1		
NE-172-23	STH 172 Westbound	CTH GV	Overhead	E6-1 Exit Gore Sign (Overhead)	168	78	GV Monroe Rd				91		1		s-5-48
				E11-1D Exit (TR Arrow) Only	168	42	Exit [TR] Only					49	1		
SUBTOTALS								1365.58	2.4	360	413.5	91	6	2	

Brown STH 172 Westbound CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NE-172-24	STH 172 Westbound	STH 57	Right	D4-52 156W x 126H Crash Investigation Site EXIT [000]	132	114	Next Right				104.5		1	1	
NE-172-25	STH 172 Westbound	STH 57	Right	E1-1-A Advance Exit Guide Sign, Exit ____ Mile	228	162	X TO 57 Webster Ave Riverside Dr EXIT 1 MILE				256.5		1	1	
NE-172-26	STH 172 Westbound	STH 57	Right	E3-1 Destination- Next Right	156	78	Heritage Hill State Park Next Right				84.5		1	1	
NE-172-27	STH 172 Westbound	STH 57	Right	E10-62 144W x 54H Hospital Next Right	144	54					54		1	1	
NE-172-28	STH 172 Westbound	STH 57	Overhead	E6-1 Exit Gore Sign (Overhead)	228	114	X TO 57 Webster Ave (TR) Riverside Dr				180.5		1		S-5-52
NE-172-29	STH 172 Westbound	Oneida St	Right	E1-51-A Advance Exit Guide Sign, Exit ____ Mile	240	162	To 32 Oneida St Ashland Ave EXIT 1 MILE	2281.72	3.6	540	270		1		W12x26
NE-172-30	STH 172 Westbound	Oneida St	Overhead	E6-51 Advanced Exit Guide Sign (Overhead)	192	114	To 32 Oneida St Ashland Ave				152		1		s-5-97
				E11-1 Exit (Single Down Arrow) Only	192	36	Exit [DA] Only					48			
NE-172-31	STH 172 Westbound	Oneida St	Right	E3-1 Destination - Next Right - Exit Number	132	114	Crash Investigation Site Next Right				104.5		1	1	
NE-172-32	STH 172 Westbound	Oneida St	Overhead	E6-1 Exit Gore Sign (Overhead)	192	114	32 Oneida St Ashland Ave				152		1	1	S-5-98
				E11-1D Exit (TR Arrow) Only	192	42	Exit [TR] Only					56			s-5-97
NE-172-33	STH 172 Westbound	IH 41	Right	E9-1 City Exits	192	54	Green Bay Exits Use right lanes				72		1	1	
SUBTOTALS								2281.72	3.6	540	1430.5	104	10	7	

Brown STH 172 Category 0020

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	638.2601 Removing Signs Type I EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NE-172-35	STH 172 Eastbound	Oneida St	Right	E3-1 Destination - Next Right - Exit Number	180	108	Holgrem way Lambeau Field Arena Next Right	135	1	1	
NE-172-36	STH 172 Westbound	CTH GV	Right	E9-1 Advanced Mileage	180	84	Lambeau Field Arena 4 Miles	105	1	1	
NE-172-38	STH 172 Westbound	Oneida St	Right	E3-1 Destination - Next Right - Exit Number	180	108	Holmgren Way Lambeau Field Arena Next Right	135	1	1	
SUBTOTALS								375	3	3	

Brown STH 172 Category 0030

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	638.2601 Removing Signs Type I EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NE-172-37	STH 172 Westbound	STH 57	Right	E3-1 Destination - Next Right - Exit Number	132	78	St Norbert College Next Right	71.5	1	1	
SUBTOTALS								71.5	1	1	

NORTHEAST REGION SUMMARY

NE TOTALS CATEGORY 0010

ROUTE	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	638.2602 Removing Signs Type II EACH	638.3000 Removing Small Sign Supports EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Fond Du Lac USH 151				809.5		2			4	
Shebogyan STH 23	591.35	1.6	142	1231.5		9	1	2	4	
Brown STH 172	8584.88	14.4	2160	5085.5	251	35			18	
Region Total	9176.23	16	2302	7126.5	251	46	1	2	26	

NE SUPPLEMENTAL GENERATOR TOTALS

ROUTE	CATEGORY	637.1220 Sign Type I Reflective SH SF	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	638.2602 Removing Signs Type II EACH	634.0620 Posts Wood 4x6- Inch x 20-FT EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
USH 151 - Moraine Park Tech College	0040	135	32	1	0.67	1.33	1	
USH 151 - UW Oshkosh at Fond Du Lac	0060	210	32	2	0.67	1.33	2	
USH 151 - Marian University	0050	135	32	1	0.67	1.33	1	
STH 172 - Lambeau Field	0020	375	0	3			3	
STH 172 0 St Norbert College	0030	71.5	0	1			1	
		926.5	96	8	2	4	8	

Jackson IH 94 CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NW-94-1	IH 94 Eastbound	STH 121	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 98				22.5					Move downstream W12x26: Remove E2-1
				E1-1-A Advance Exit Guide Sign, __ Mile	240	162	121 Alma Center Pigeon Falls 1 Mile	2202.42	3.6	540	270		1	2		
				E2-1 156W x 24H Next Exit __ Miles, (Message in one line)			7 Miles									
NW-94-2	IH 94 Eastbound	STH 121	Right	E3-1 Destination - Next Right - Exit Number	132	60	Northfield EXIT 98				55		1		1	
NW-94-3	IH 94 Eastbound	STH 121	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 98				22.5					1
				E4-1-A Exit Direction Sign with Arrow	276	132	121 Alma Center [TR] Pigeon Falls				253		1			
NW-94-4	IH 94 Eastbound	099.040 mi	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	264	84	Hixton 6 Black River Falls 16 Madison 137				154		1		1	Changed 143 to 137
NW-94-5	IH 94 Eastbound	STH 95	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 105				22.5					Remove E2-1
				E1-1-A Advance Exit Guide Sign, __ Mile	240	162	95 Hixton Alma Center 1 Mile				270		1		1	
				E2-1 156W x 24H Next Exit __ Miles, (Message in one line)			Next Exit 9 Miles									
NW-94-6	IH 94 Eastbound	STH 95	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	Exit 105				22.5					1
				E4-1-A Exit Direction Sign with Arrow	264	132	95 Hixton [TR] Alma Center				242		1			
NW-94-7	IH 94 Westbound	STH 95	Right	D2-3 Destination/Distance (Three) with Die Cut Letters	168	90	Hwy 121 6 Osseo 16 St Paul 120				105		1		1	
NW-94-8	IH 94 Westbound	STH 121	Right	E1-5-P Exit Number for E1-1 & E4-1	108	30	EXIT 98				22.5					Remove E2-1
				E1-1-A Advance Exit Guide Sign, __ Mile	240	162	121 Alma Center Pigeon Falls 1 Mile				270		1		1	
				E2-1 156W x 24H Next Exit __ Miles, (Message in one line)			Next Exit 10									
NW-94-9	IH 94 Westbound	STH 121	Right	E3-1 Destination - Next Right - Exit Number	132	60	Northfield EXIT 98				55		1		1	
SUBTOTALS								2202.42	3.6	540	1786.5	0	9	2	8	

Trempealeau IH 94 CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	638.2602 Removing Signs Type II EACH	634.0616 Posts Wood 4x6-Inch x 16-FT EACH	634.0618 Posts Wood 4x6-Inch x 18-FT EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
NW-94-10	IH 94 Eastbound	USH 10	Right	E10-61 144W x 54H Hospital Exit [000]	144	54	Hospital EXIT 88	54		1					1	
SUBTOTALS								54	0	1	0	0	0	0	1	

Eau Claire USH 53 Northbound CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	638.2602 Removing Signs Type II EACH	634.0616 Posts Wood 4x6-Inch x 16-FT EACH	634.0618 Posts Wood 4x6-Inch x 18-FT EACH	Comments
NW-53-1	USH 53 Northbound	Hwy 53 & Schuly Drive	Overhead	E6-53 Overhead Roundabout Guide Sign Right Ahead Arrows	120	96	NORTH TO 53 94 UA /TR Schuly Drive	80		1					
NW-53-2	USH 53 Northbound	Hwy 53 & Schuly Drive	Overhead	E6-52 Overhead Roundabout Guide Sign Left, Ahead Arrows	144	96	NORTH TO 53 94 Old Town Hall Rd LA/UA	96		1					
NW-53-3	USH 53 Northbound	Hwy 53 & Schuly Drive	Overhead	E6-52 Advanced Exit Guide Sign (Overhead)	120	90	Old Town Hall Rd South 53 LA/UA	75		1					
NW-53-4	USH 53 Northbound	Hwy 53 & Schuly Drive	Overhead	E6-54R Advanced Exit Guide Sign (Overhead)	84	84	North To 53 94 TR	49		1					
NW-53-5	USH 53 Northbound	USH 12	Right	J4-2 72W x 54H Reassurance Assembly (2 Headed Route Panel)	72	54	NORTH Alt 53 94		27			1		1	Remove North 53 and Replace with J2. Install on 2 posts. Use existing post
NW-53-6-R	USH 53 Northbound	USH 12	Left	E3-1 Destination - Next Right - Exit Number			Alternate West 94 AHEAD			1	2				Remove Sign, Supports, and bases. Do not replace
NW-53-7	USH 53 Northbound	River Prairie Dr	Right	J4-2 72W x 54H Reassurance Assembly (2 Headed Route Panel)	72	54	NORTH Alt 53 94		27			1		1	Remove North 53 and Replace with J2. Install on 2 posts. Use existing post
NW-53-8-R	USH 53 Northbound	River Prairie Dr	Left	E3-1 Destination - Next Right - Exit Number			Alternate West 94 AHEAD			1	2				Remove Sign, Supports, and bases. Do not replace
NW-53-9	USH 53 Northbound	CTH Q	Right	J4-2 72W x 54H Reassurance Assembly (2 Headed Route Panel)	72	54	NORTH Alt 53 94		27			1	1		Remove North 53 and Replace with J2. Install on 2 posts. Use existing post
NW-53-10-R	USH 53 Northbound	CTH Q	Left	E3-1 Destination - Next Right - Exit Number			Alternate West 94 AHEAD			1	2				Remove Sign, Supports, and bases. Do not replace
SUBTOTALS								300	81	7	6	3	1	2	

Eau Claire USH 53 Southbound CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	638.2602 Removing Signs Type II EACH	634.0616 Posts Wood 4x6-Inch x 16-FT EACH	634.0618 Posts Wood 4x6-Inch x 18-FT EACH	Comments
NW-53-11-R	USH 53 Southbound	STH 124	Left	E3-1 Destination - Next Right - Exit Number			Alternate EAST 94 AHEAD		1	2				Remove Sign, Supports, and bases. Do not replace
NW-53-12	USH 53 Southbound	STH 124	Right	J4-2 72W x 54H Reassurance Assembly (2 Headed Route Panel)	72	54	South Alt 53 94				1	1		Remove South 53 and Replace with J2. Install on 2 posts. Use existing post
NW-53-13-R	USH 53 Southbound	MELBY St	Left	E3-1 Destination - Next Right - Exit Number			Alternate EAST 94 AHEAD		1	2				Remove Sign, Supports, and bases. Do not replace
NW-53-14	USH 53 Southbound	MELBY St	Right	J4-2 72W x 54H Reassurance Assembly (2 Headed Route Panel)	72	54	SOUTH Alt 53 94	27			1		1	Remove South 53 and Replace with J2. Install on 2 posts. Use existing post
NW-53-15-R	USH 53 Southbound	CTH Q	Left	E3-1 Destination - Next Right - Exit Number			Alternate EAST 94 AHEAD		1	2				Remove Sign, Supports, and bases. Do not replace
NW-53-16	USH 53 Southbound	CTH Q	Right	J4-2 72W x 54H Reassurance Assembly (2 Headed Route Panel)	72	54	SOUTH Alt 53 94	27					2	New install. On Right
NW-53-17	USH 53 Southbound	River Prairie Dr	Right	J4-1 54W x 54H Reassurance Assembly (1 Headed Route Panel)			SOUTH 53	0			1			Remove Sign and Post Do not replace
NW-53-18-R	USH 53 Southbound	River Prairie Dr	Left	E3-1 Destination - Next Right - Exit Number			Alternate EAST 94 KEEP Left	0	1	2				Remove Sign, Supports, and bases. Do not replace
NW-53-19	USH 53 Southbound	USH 12	Right	J4-2 72W x 54H Reassurance Assembly (2 Headed Route Panel)	72	54	SOUTH Alt 53 94	27			1		1	Remove South 53 and Replace with J2. Install on 2 posts. Use existing post
NW-53-20-R	USH 53 Southbound	USH 12	Left	E3-1 Destination - Next Right - Exit Number			Alternate EAST 94 KEEP Left	0	1	2				
NW-53-21	USH 53 Southbound	Hwy 53 & Schuly Drive	Overhead	E6-52 Overhead Roundabout Guide Sign right Ahead Arrows	120	84	53 South SCULY Dr LA/UA	70	1					
NW-53-22	USH 53 Southbound	Hwy 53 @ Schuly Driver	Overhead	E6-53 Overhead Roundabout Guide Sign Left, Ahead Arrows	144	84	53 South UA/RA Old Town Hall Rd	84	1					
SUBTOTALS								235	7	10	4	1	4	

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Chippewa USH 53 CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	638.2602 Removing Signs Type II EACH	634.0618 Posts Wood 4x6- Inch x 18-FT EACH	Comments
NW-53-23	USH 53 Northbound	Melby St	Right	J4-2 72W x 54H Reassurance Assembly (2 Headed Route Panel)			NORTH 53				1		Remove North 53 and post. Do not replace
NW-53-24	USH 53 Southbound	STH 124	Left	E3-1 Destination - Next Right - Exit Number			Alternate EAST 94 AHEAD	0	1	2			Remove Sign, Supports, and bases. Do not replace
NW-53-25	USH 53 Southbound	STH 124	Right	J4-2 72W x 54H Reassurance Assembly (2 Headed Route Panel)	72	54	South Alt 53 94				1	1	Remove South 53 Replace with J2. Install on 2 posts. Use existing posts
SUBTOTALS								0	1	2	2	1	

Chippewa STH 29 CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	638.2602 Removing Signs Type II EACH	634.0618 Posts Wood 4x6- Inch x 18-FT EACH	Comments
NW-29-1	STH 29 Westbound	STH 124	Overhead	E6-54-R Overhead Roundabout Guide Sign Right Arrows	108	102	North Bus 124 29 Downtown [TR]	76.5	1				Removed Chippewa Falls
NW-29-2	STH 29 Westbound	STH 124	Overhead	E6-54-L Overhead Roundabout Guide Sign Left Arrows	156	84	124 South Lake Hallie [LC] [LC]	91	1				
SUBTOTALS								167.5	2	0	0	0	

St. Croix STH 64 CATEGORY 0010

St. Croix STH 64 CATEGORY 0010								637.1220 Sign Type I Reflectiv e SH SF	637.2210 Signs Type II Reflectiv e H SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	638.2602 Removing Signs Type II EACH	634.0616 Posts Wood 4x6- Inch x 16-FT EACH	634.0618 Posts Wood 4x6-Inch x 18-FT EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Sign Number	Route	Intercha nge	Location	Sign Code and Description	Width	Height	Order Lines									
NW-64-1	STH 35 Northbo und	CTH V	Right	E1-5-P Exit Number for E1-1 & E4-1	84	30	EXIT 4	17.5								
				E1-1-A Advance Exit Guide Sign, __ Mile	288	156	V Andersen Scout Camp Road Exit 1 Mile	312		1					1	
SUBTOTALS								329.5	0	1	0	0	0	0	1	

Chippewa STH 124 CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	638.2602 Removing Signs Type II EACH	634.0618 Posts Wood 4x6-Inch x 18-FT EACH	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines						
NW-124-1	STH 124 Northbound	Bus 29	Overhead	E6-54-R Overhead Roundabout Guide Sign Right Arrows	96	102	To BUS 29 29 Cadott [TR] ONLY	68	1				
NW-124-2	STH 124 Northbound	Bus 29	Overhead	E6-54-A Overhead Roundabout Guide Sign Ahead Arrows	108	102	North Business 124 29 Downtown [UA]	76.5	1				Chippewa Falls Removed from Sign
NW-124-3	STH 124 Southbound	Bus 29	Overhead	E6-54-R Overhead Roundabout Guide Sign Right Arrows	108	84	124 SOUTH LAKE HALLIE [TR]	63	1				
NW-124-4	STH 124 Southbound	Bus 29	Overhead	E6-54-L Overhead Roundabout Guide Sign Left Arrows	144	84	To BUS 29 29 Cadott [LA] [LA]	84	1				
SUBTOTALS								291.5	4	0	0	0	

Chippewa STH 178 CATEGORY 0010								637.1220 Sign Type I Reflective SH SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	638.2602 Removing Signs Type II EACH	634.0618 Posts Wood 4x6- Inch x 18-FT EACH	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines						
NW-178-1	STH 178 Northbound	CTH S	Overhead	E6-54-R Overhead Roundabout Guide Sign Right Arrows	48	66	S Right Curve	22	1				
NW-178-2	STH 178 Northbound	CTH S	Overhead	E6-52 Overhead Roundabout Guide Sign Left, Ahead Arrows	84	96	NORTH 178 S [La/Ua]	56	1				
SUBTOTALS								78	2	0	0	0	

NORTHWEST REGION SUMMARY

NW TOTALS CATEGORY 0010

ROUTE	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	638.2602 Removing Signs Type II EACH	634.0616 Posts Wood 4x6-Inch x 16-FT EACH	634.0618 Posts Wood 4x6-Inch x 18-FT EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Jackson IH 94	2203.42	3.6	540	1786.5		9	2				8	
Trempealeau IH 94				54		1					1	
St. Croix STH 64				329.5		1					1	
Eau Claire USH 53				300	316	14	16	7	2	6		
Chippewa USH 53					27	1	2	2		1		
Chippewa STH 29				167.5		2						
Chippewa STH 124				291.5		4						
Chippewa STH 178				78		2						
Region Total	2202.42	3.6	540	3127	343	34	20	9	2	7	10	

SOUTHEAST REGION

Milwaukee 11th St CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	Comments
SE-11-1	11th St Southbound	IH43	Overhead	E7-1 Overhead Arrow Per Lane Guide Sign [1 Arrow]	48	78	West 94 11th St [DA]	26			1	11th SB / Between Wells & Wisconsin
SE-11-2	11th St Southbound	IH43	Overhead	E1-4 Diagrammatic Guide Sign	72	66	South East 43 94 [DA]	33			1	11th SB / Between Wells & Wisconsin
SUBTOTALS								59	0	0	2	

Milwaukee Port Washington Rd CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	Comments
SE-Wash-1	Port Washington Rd Northbound	Good Hope Rd	Overhead	E7-1 Overhead Arrow Per Lane Guide Sign [1 Arrow]	36	72	SOUTH 43 ONLY [LB]	18	1.67		1	
SE-Wash-2	Port Washington Rd Northbound	Good Hope Rd	Overhead	E7-1 Overhead Arrow Per Lane Guide Sign [1 Arrow]	36	72	NORTH 43 ONLY [LB]	18	1.67		1	
SUBTOTALS								36	3.34	0	2	

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Jefferson IH 94 CATEGORY 0010

Jefferson IH 94 CATEGORY 0010									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	
Sign Number	Route	Interchange	Interchange	Location	Sign Code and Description	Width	Height	Order Lines				Comments
SW-94-1	IH 94 Westbound	013.420 mi	Johnson Creek	Right	E5-51 144W x 60H Rest Area __ Miles	144	60	Rest Area 1 Mile	60			
					E5-62 120W x 30H Next Rest Area [00] Miles	120	30	Next Rest Area 49	25	1	1	
SUBTOTALS									85	1	1	

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Dane USH 12 CATEGORY 0010

Sign Number	Route	PLM HIDE	Interchange	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	Comments
SW-12-1	USH 12 Westbound	38.180 mi	Exit 261	Right	E3-1 Destination Exit xxx	144	60	UW Madison Exit 261	60	1	1	replace
SUBTOTALS									60	1	1	

Iowa USH 18 CATEGORY 0010

Sign Number	Route	Interchange	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	634.0618 Posts Wood 4x6-Inch x 18-FT EACH	634.0620 Posts Wood 4x6-Inch x 20-FT EACH	Comments
SW-18-1	USH 18 Eastbound	USH 151 059.540 mi	Bennett Rd Dodgeville	Right	D1-62 Roundabout Destination - Direction Sign	138	78	UA East 18 TO 151 Bennett Rd LA RA Bennett Rd	74.75	1	2		2	Remove signs/beams and install on wood Posts 10' downstream
SW-18-2	USH 18 Westbound	BENNETT RD 063.950 mi	Bennett Rd Dodgeville	Right	D1-62 Roundabout Destination - Direction Sign	138	72	[UA] West 18 Bennett Rd [LA] [RA] Bennet Rd	69	1	2	2		Remove signs/beams and install on wood Posts 10' downstream
SUBTOTALS									143.75	2	4	2	2	

Dane USH 51 CATEGORY 0010

Sign Number	Route	Interchange	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	Comments
SW-51-1	USH 51 Northbound	CTH BB Madison	Right	E1-1-A Advance Exit Guide Sign, __ Mile	204	138	BB Cottage Grove Road EXIT 1/2 Mile	195.5	1	1	
SUBTOTALS								195.5	1	1	

Dodge USH 151 CATEGORY 0010

Sign Number	Route	Interchange	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	Comments
SW-151-1	USH 151 Northbound	STH 33	Right	E3-1 Destination - Next Right - Exit Number	132	84	Wayland Academy EXIT 132	77	1	1	
SW-151-2	USH 151 Southbound	STH 33	Right	E3-1 Destination - Next Right - Exit Number	132	84	Wayland Academy EXIT 132	77	1	1	
SUBTOTALS								154	2	2	

Dodge IH 41 CATEGORY 0010

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	Comments
SW-41-1	IH 41 SB	STH 28	Right	E3-1 Destination - Next Right - Exit Number	240	84	Wis 9/11 Memorial & Education Center Exit 81	1254.56	2.4	360	140	W12x26 20' offset
SW-41-2	IH 41 NB	STH 28	Right	E3-1 Destination - Next Right - Exit Number	240	84	Wis 9/11 Memorial & Education Center Exit 81	1180.46	2.4	360	140	W12x26 30' offset
SUBTOTALS								2435.02	4.8	720	280	

Dane USH 12-Category 0090								637.1220 Sign Type I Reflective SH SF	638.2601 Removing Signs Type I EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines				
SW-12-2	USH 12 Eastbound	Exit 262	Right	E3-1 Destination - Next Right - Exit Number	132	138	Alliant Energy Center Downtown Exit 262	126.5	1	1	
SW-12-3	USH 12 Westbound	Exit 263	Right	E3-1 Destination - Next Right - Exit Number	132	138	Alliant Energy Center Downtown EXIT 263	126.5	1	1	
SUBTOTALS								253	2	2	

Sauk IH 90- Category 0080

Sign Number	Route	Interchange	Location	Sign Code and Description	Width	Height	Order Lines	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	638.2601 Removing Signs Type I EACH	Comments
SW-90-1	IH 90 Eastbound	Exit 92	Right	E9-1 (Area) Next _ Exits	216	60	Ho-Chunk Casino EXIT 92	829.7	2	220	90	1	CORTEN Remove/Replace W8x21:15.1 and 12.6
SW-90-2	IH 90 Westbound	Exit 92	Right	E9-1 (Area) Next _ Exits	216	60	Ho-Chunk Casino EXIT 92	800.51	2	220	90	1	CORTEN Remove/Replace W8x21: 14.11 and 12.2
SUBTOTALS								1630.21	4	440	180	2	

SOUTHWEST REGION SUMMARY

SW TOTALS CATEGORY 0010

ROUTE	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	634.0618 Posts Wood 4x6-Inch x 18-FT EACH	634.0620 Posts Wood 4x6-Inch x 20-FT EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Jefferson IH 94				85		1				1	
Dane USH 12				60		1				1	
Iowa USH 18					143.75	2	4	2	2		
Dane USH 51				195.5		1				1	
Dodge USH 151				154		2				2	
Dodge IH 41	2435.02	4.8	720	280							
Region Total	2435.02	4.8	720	774.5	143.75	7	4	2	2	5	

SW TOTALS

ROUTE	CATEGORY	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	634.0620 Posts Wood 4x6-Inch x 20-FT EACH	635.010.S Sign Supports Replacing Base Connection Bolts Legacy System Each	Comments
Ho-Chunk	0080	1630.21	4	440	180	0	2	2	0	0	
Alliant Energy	0090	0	0	0	253	0	2	0	0	2	
Region Total		1630.21	4	440	433	0	4	2	0	2	

Project Total

3

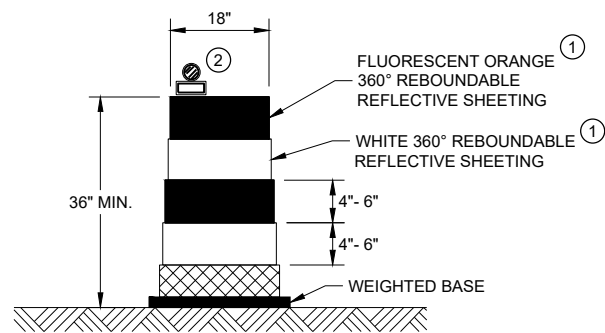
ROUTE	CATEGORY	635.0200 Sign Supports Structural Steel HS LBS	531.1100 Concrete Masonry Ancillary Structures Type NS CY	531.1140 Steel Reinforcement HS Ancillary Structures Type NS LBS	637.1220 Sign Type I Reflective SH SF	637.1230 Sign Type I Reflective F SF	637.2210 Signs Type II Reflective H SF	638.2601 Removing Signs Type I EACH	638.3100 Removing Structural Steel Sign Supports EACH	638.2602 Removing Signs Type II EACH	638.3000 Removing Small Sign Supports EACH
Various - Statewide	10	15097.35	26.8	3922	27094.25	1195.84	486.75	183	26	10	2
STH 172 - Lambeau Field	20	---	---	---	375	---	---	3	---	---	---
STH 172 0 St Norbert College	30	---	---	---	71.5	---	---	1	---	---	---
USH 151 - Moraine Park Tech College	40	---	---	---	135	---	32	1	---	0.67	---
USH 151 - Marian University	50	---	---	---	135	---	32	1	---	0.67	---
USH 151 - UW Oshkosh at Fond Du Lac	60	---	---	---	210	---	32	2	---	0.67	---
USH 10 - Fox Valley Tech College	70	---	---	---	253	---	---	2	---	---	---
IH 90 - Ho-Chunk Gaming	80	1630.21	4	440	180	---	---	2	2	---	---
USH 12 - Alliant Energy	90	---	---	---	253	---	---	2	---	---	---
		16727.56	30.8	4362	28706.75	1195.84	582.75	197	28	12	2

3

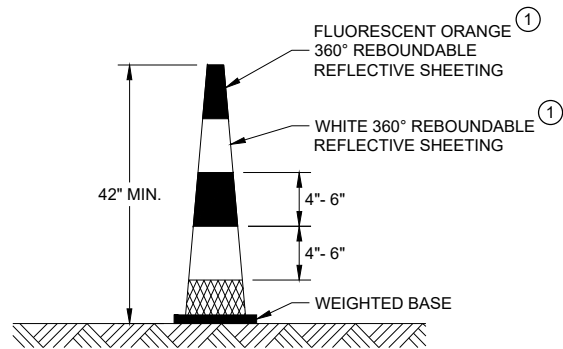
ROUTE	CATEGORY	634.0616 Posts Wood 4x6-Inch x 16-FT EACH	634.0618 Posts Wood 4x6-Inch x 18-FT EACH	634.0620 Posts Wood 4x6-Inch x 20-FT EACH	635.9010.S Sign Support Shorten Structural Steel EACH	635.9020.S Sign Supports Replacing Base Connection Bolts Legacy System EACH
Various - Statewide	10	2	9	2	6	97
STH 172 - Lambeau Field	20	---	---	---		3
STH 172 0 St Norbert College	30	---	---	---		1
USH 151 - Moraine Park Tech College	40	---	---	1.33		1
USH 151 - Marian University	50	---	---	1.33		1
USH 151 - UW Oshkosh at Fond Du Lac	60	---	---	1.33		2
USH 10 - Fox Valley Tech College	70	---	---	---		2
IH 90 - Ho-Chunk Gaming	80	---	---	---		---
USH 12 - Alliant Energy	90	---	---	---		2
		2	9	6	6	109

Standard Detail Drawing List

15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D12-09A	TRAFFIC CONTROL, LANE CLOSURE
15D14-04	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D15-05A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-05C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-05D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-05E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D16-04	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D20-05B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

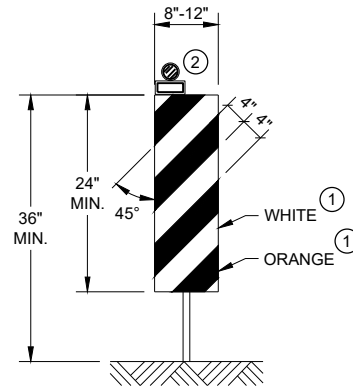


DRUM



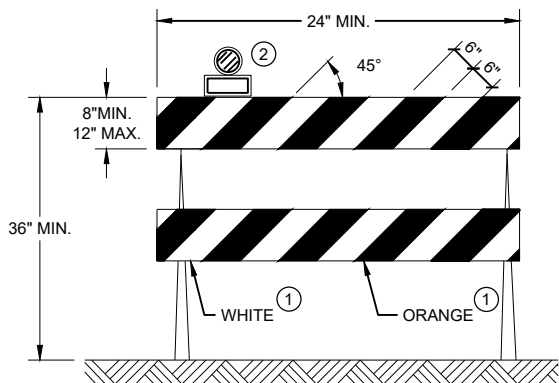
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



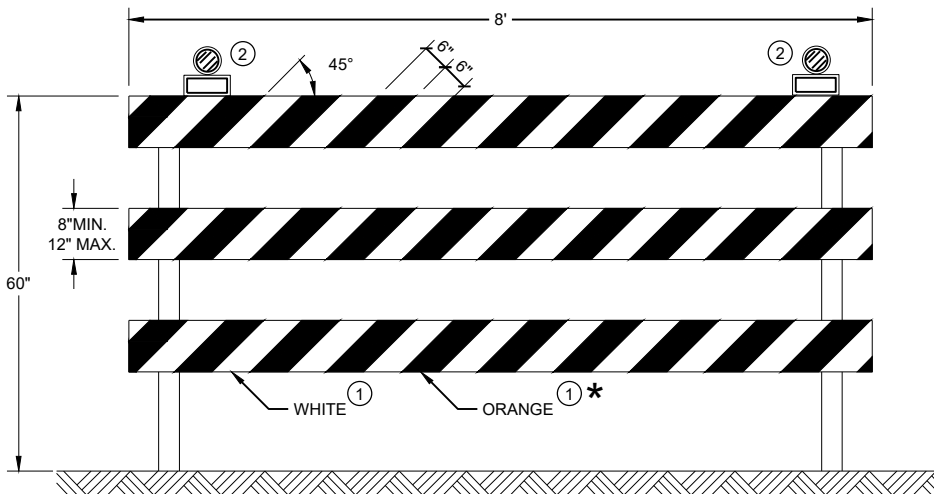
VERTICAL PANEL

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.

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.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /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 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 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

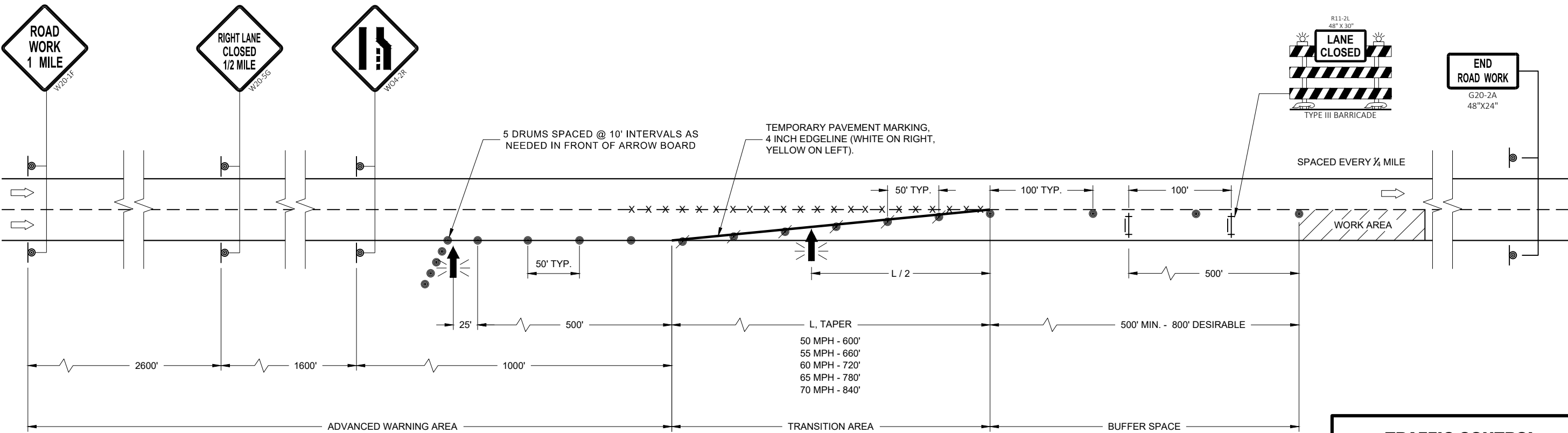
NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE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

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

6



6

SDD 15D12 - 09a

SDD 15D12 - 09a

TRAFFIC CONTROL LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED August 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES. FOR CLOSING THE LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"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.

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

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

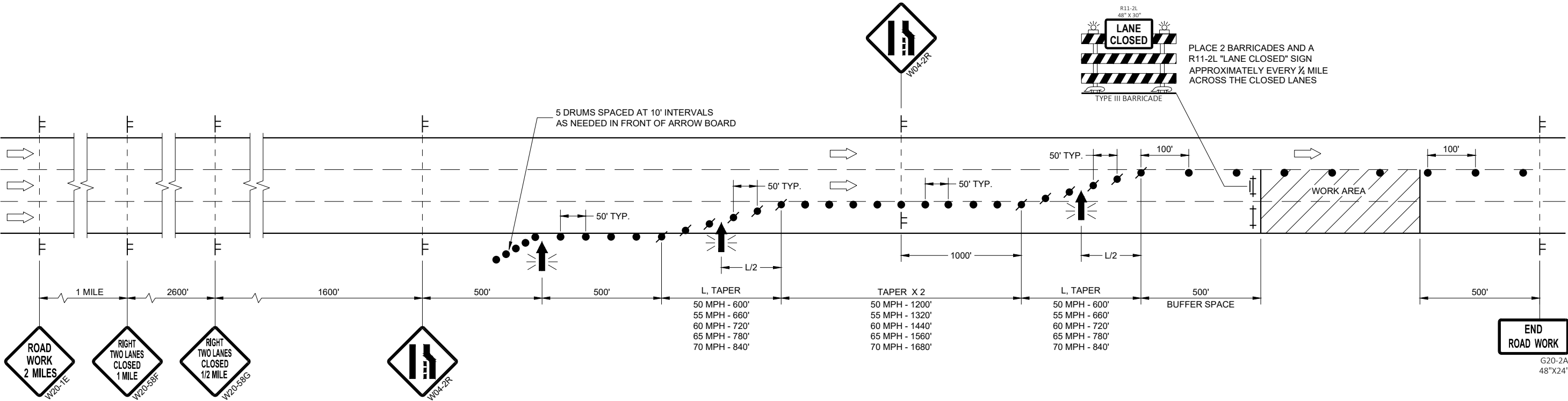
CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS.

WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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.



TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT TERM (LESS THAN 24 HOURS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE
/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

LEGEND

- SIGN ON PERMANENT SUPPORT
- 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. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

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

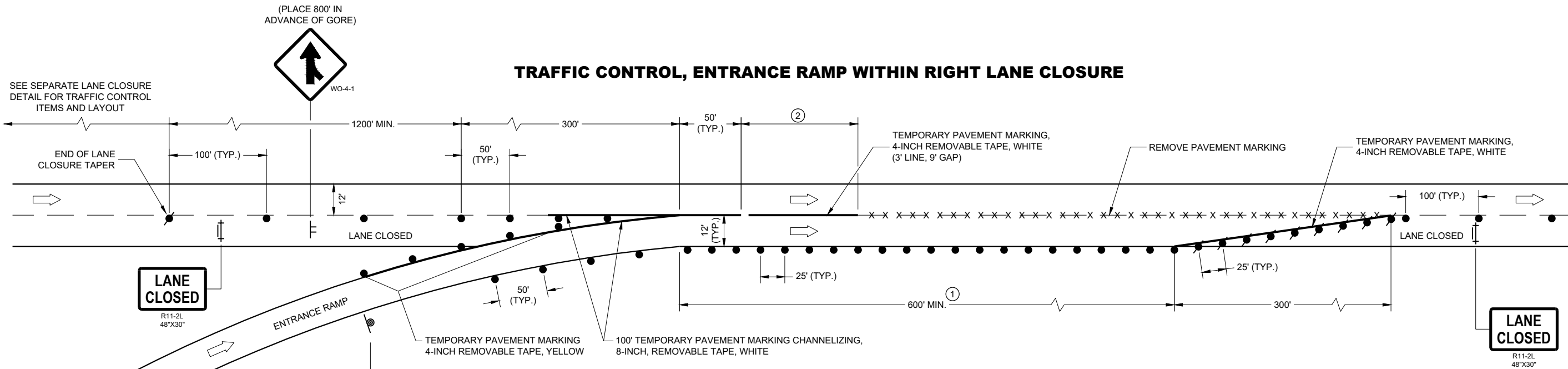
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE 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.

- ① EXTEND THE LENGTH OF THE MERGE ARE IF THE ENTERING (DESIGN) SPEED IS LESS THAN 50MPH OR IF THE MAINLINE GRADE EXCEEDS ±2.2%.
- ② END TEMPORARY MARKING AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN RIGHT LANE CLOSURE



PARALLEL EXIT RAMP

TRAFFIC CONTROL,
PARALLEL ENTRANCE RAMP
WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

FHWA

LEGEND

- SIGN ON PERMANENT SUPPORT
- 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
- FLAGS, 16" X 16" MIN., ORANGE
- 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.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

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. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

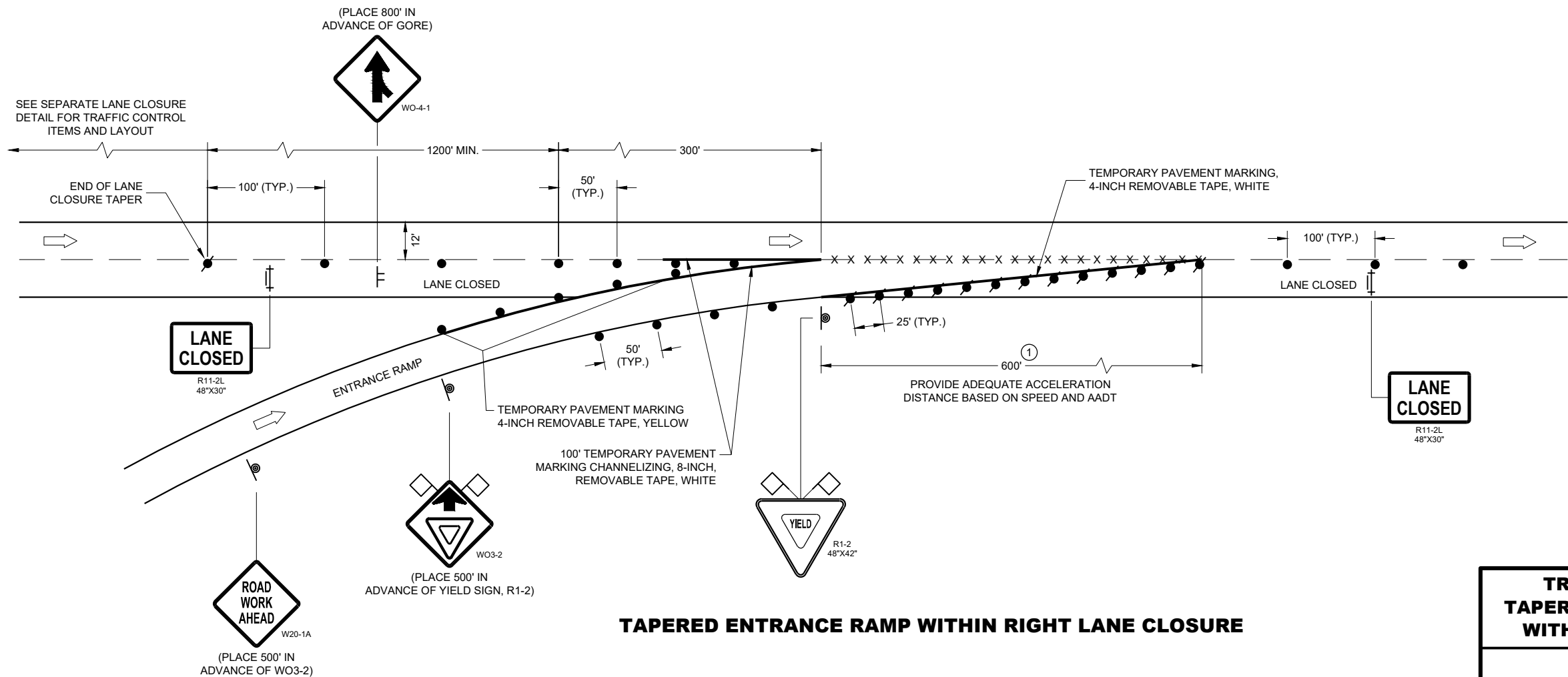
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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, REMOVABLE TAPE 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.

① CONSULT WITH REGIONAL WORK ZONE ENGINEER IF NEED TO REDUCE LENGTH EXISTS.



TAPERED ENTRANCE RAMP WITHIN RIGHT LANE CLOSURE

**TRAFFIC CONTROL,
TAPERED ENTRANCE RAMP
WITHIN LANE CLOSURE**






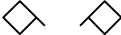

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

LEGEND

- | | |
|---|--|
|  | SIGN ON PERMANENT SUPPORT |
|  | SIGN ON TEMPORARY SUPPORT |
|  | TRAFFIC CONTROL DRUM |
|  | TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT |
|  | TYPE III BARRICADE WITH ATTACHED SIGN |
|  | FLAGS, 16" X 16" MIN., ORANGE |
|  | 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.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

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. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

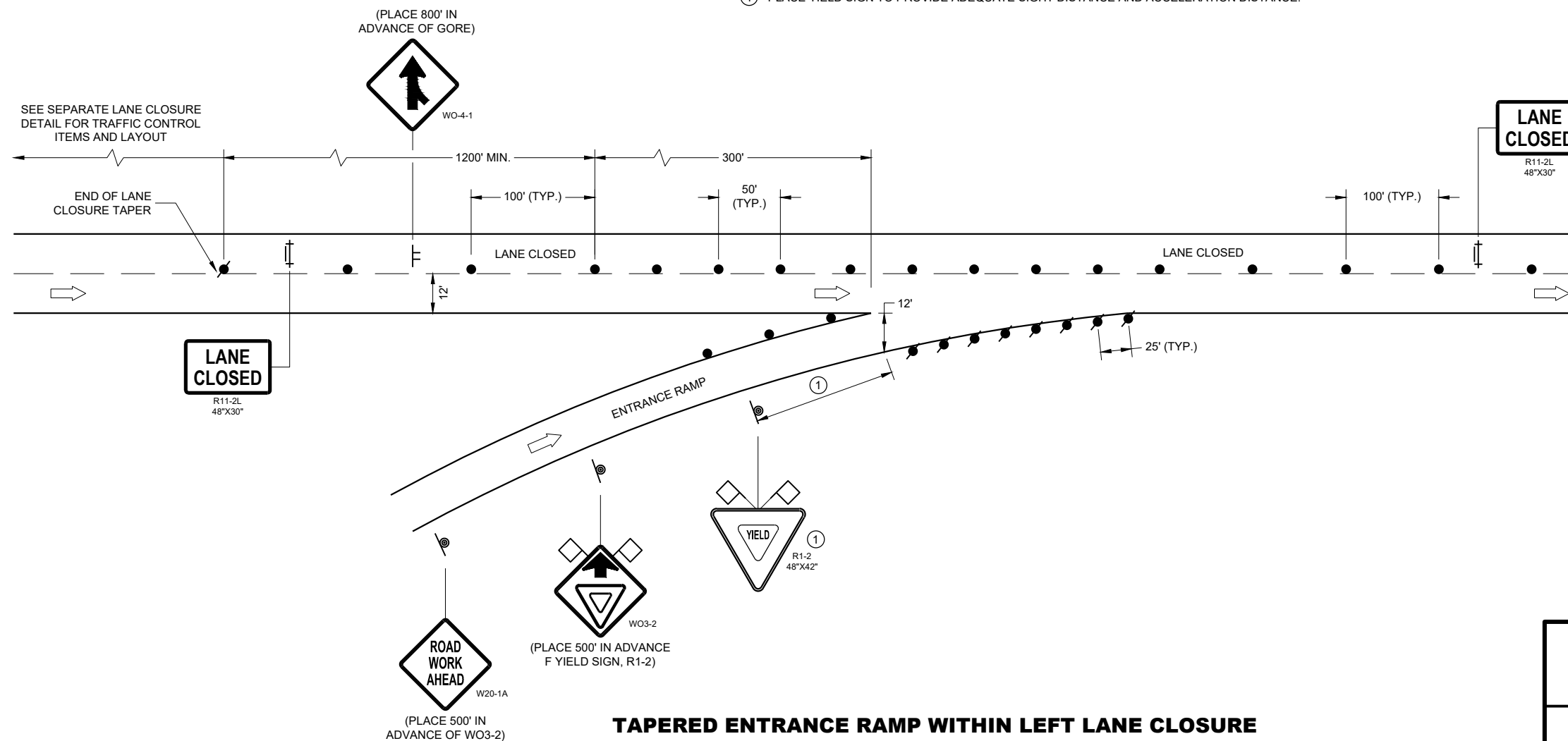
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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, REMOVABLE TAPE 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.

- ① PLACE YIELD SIGN TO PROVIDE ADEQUATE SIGHT DISTANCE AND ACCELERATION DISTANCE.










**TRAFFIC CONTROL,
TAPERED ENTRANCE RAMP
WITHIN LANE CLOSURE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  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.

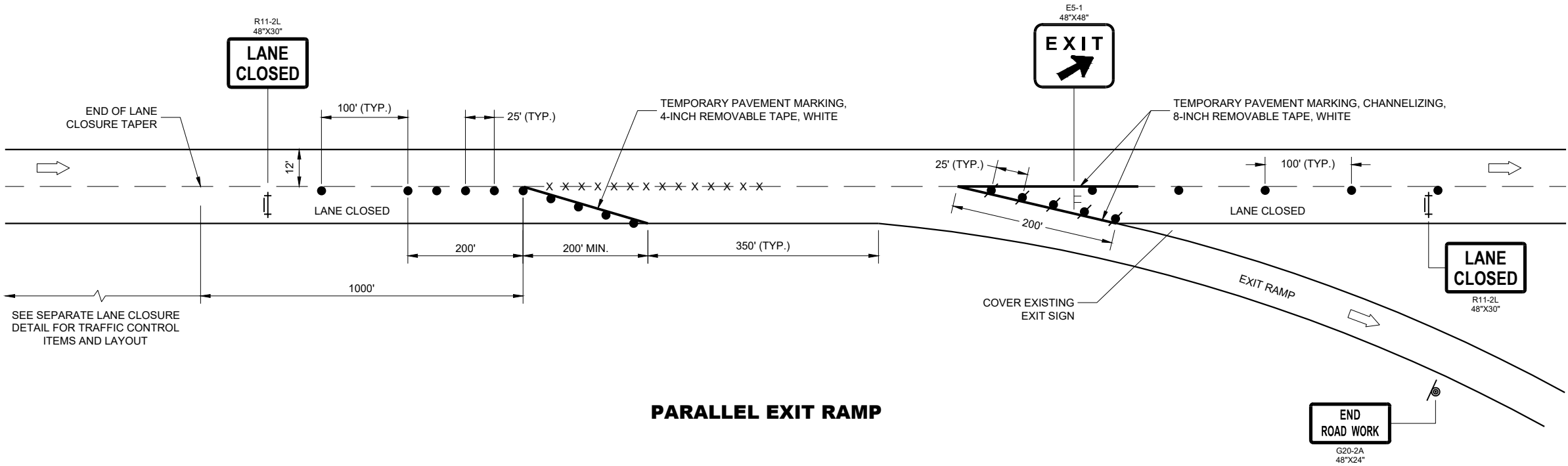
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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, REMOVABLE TAPE 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.



PARALLEL EXIT RAMP

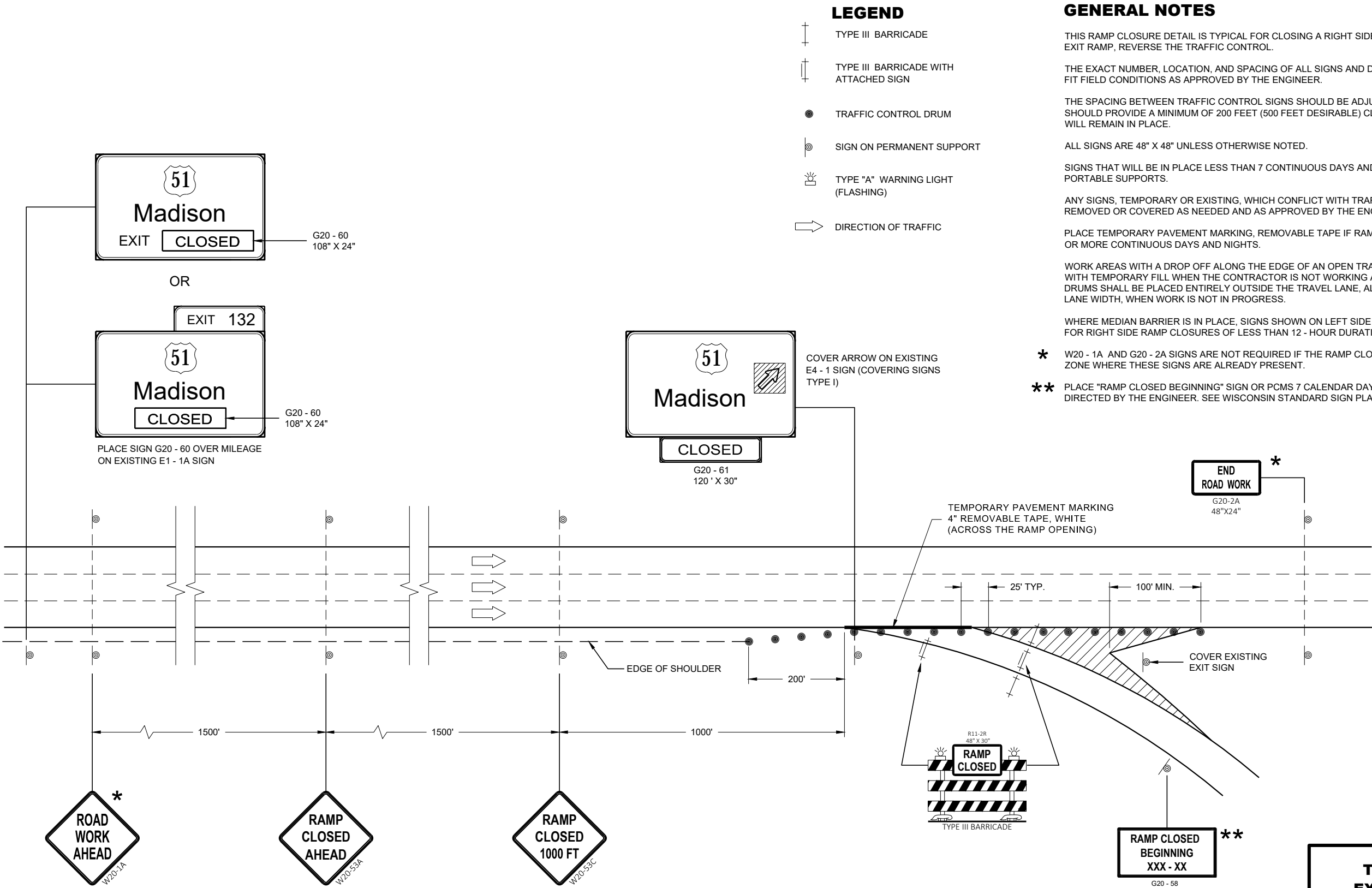
**TRAFFIC CONTROL,
PARALLEL EXIT RAMP
WITHIN LANE CLOSURE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA












- LEGEND**
- TYPE III BARRICADE
 - TYPE III BARRICADE WITH ATTACHED SIGN
 - TRAFFIC CONTROL DRUM
 - SIGN ON PERMANENT SUPPORT
 - TYPE "A" WARNING LIGHT (FLASHING)
 - DIRECTION OF TRAFFIC

- GENERAL NOTES**
- THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.
- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.
- PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.
- WORK AREAS WITH A DROP OFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN WORK IS NOT IN PROGRESS.
- WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12 - HOUR DURATION.
- * W20 - 1A AND G20 - 2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.
- ** PLACE "RAMP CLOSED BEGINNING" SIGN OR PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.

TRAFFIC CONTROL EXIT RAMP CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2018 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

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)
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  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, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

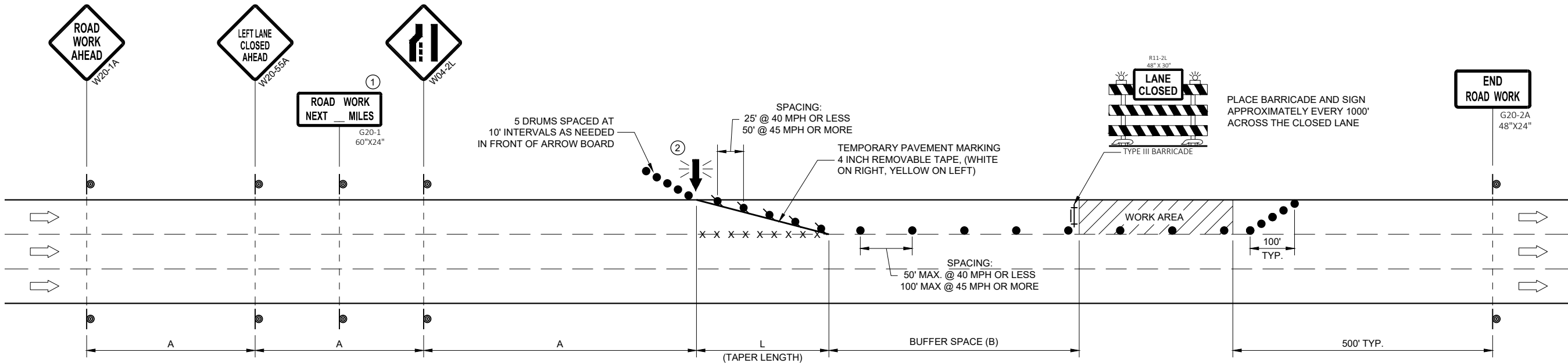
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 /S/ Andrew Heidtke
DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

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)
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
-  WORK AREA

GENERAL NOTES

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, REMOVABLE TAPE 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.

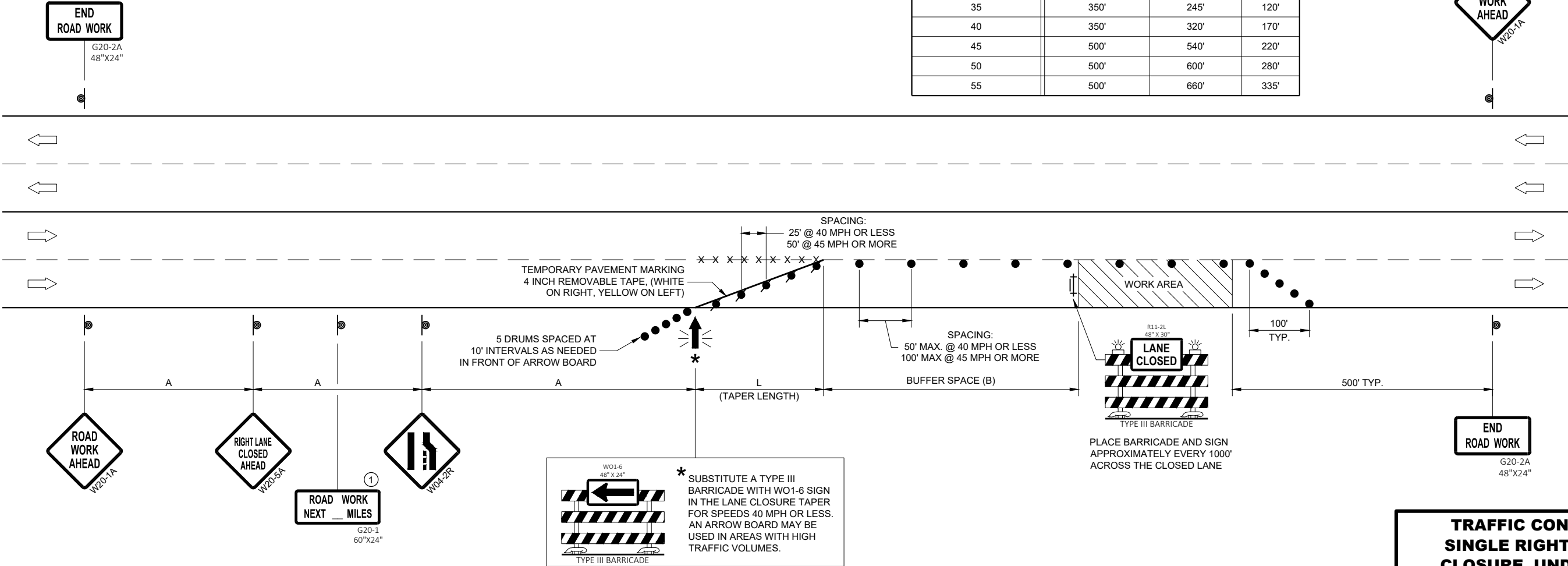
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.



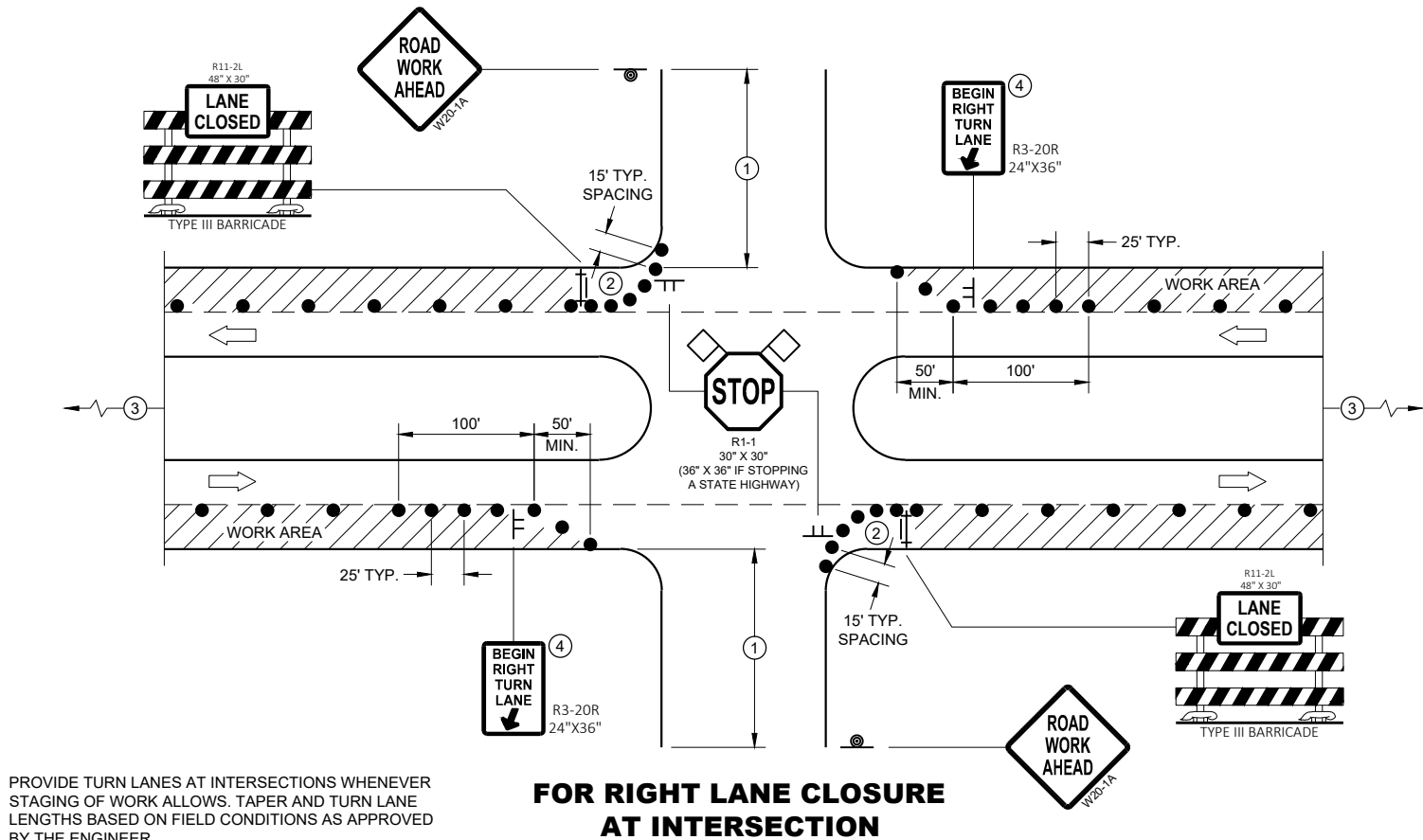
**TRAFFIC CONTROL,
SINGLE RIGHT LANE
CLOSURE, UNDIVIDED
NON-FREEWAY/EXPRESSWAY**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

FHWA



GENERAL NOTES

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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

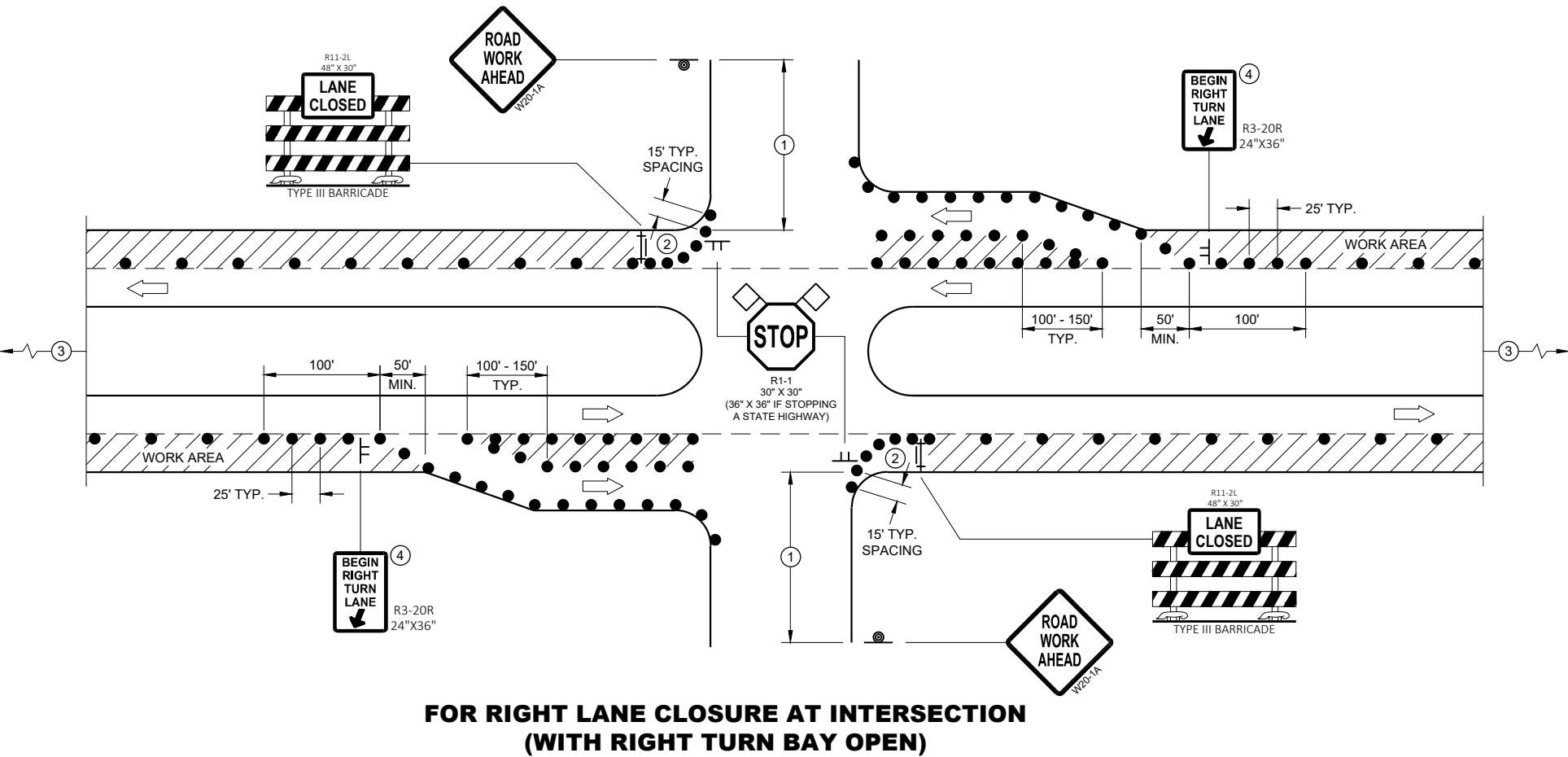
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

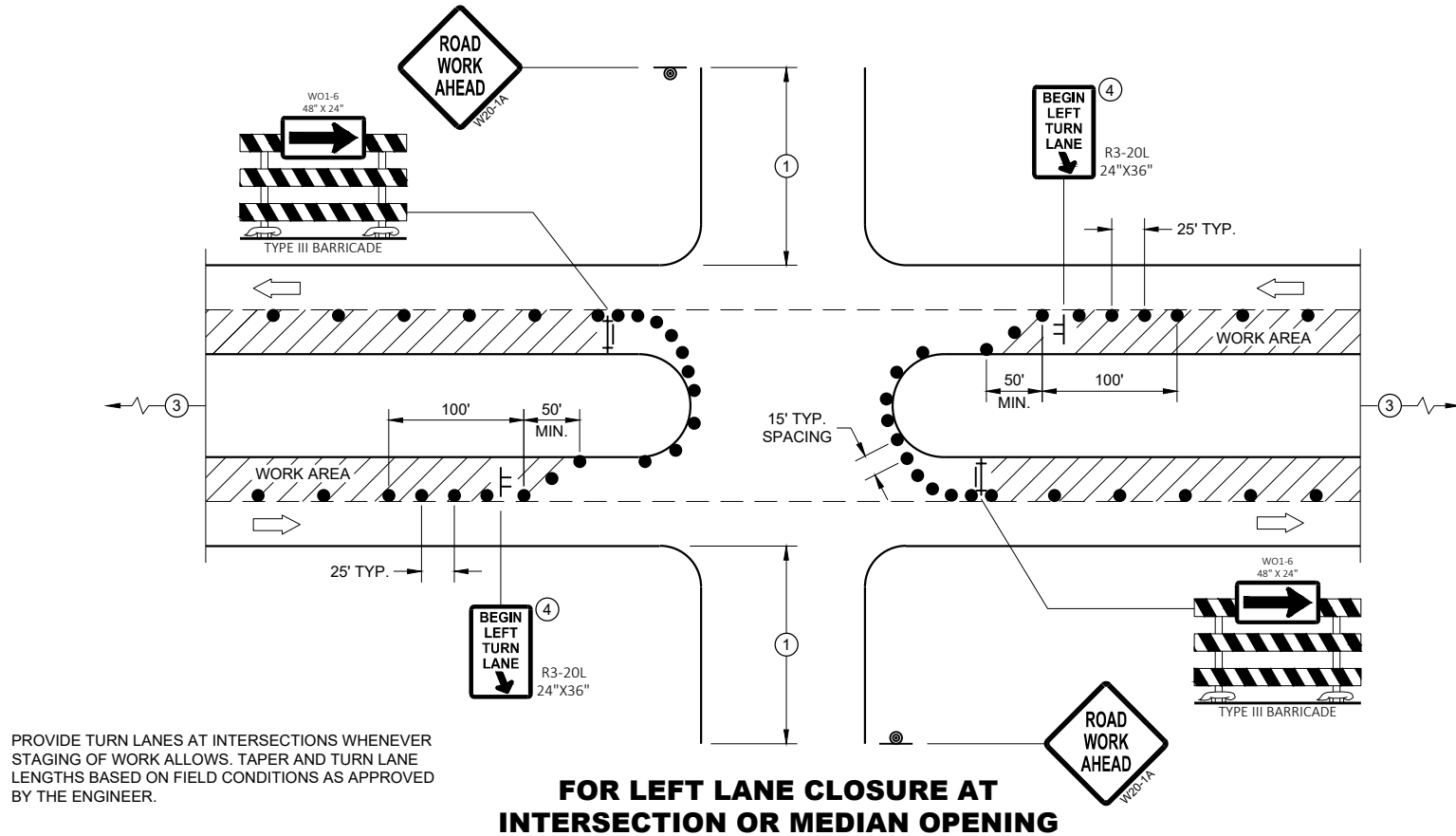
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

- ① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.
- ② ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS
- ③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.
- ④ MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA





GENERAL NOTES

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

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

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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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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

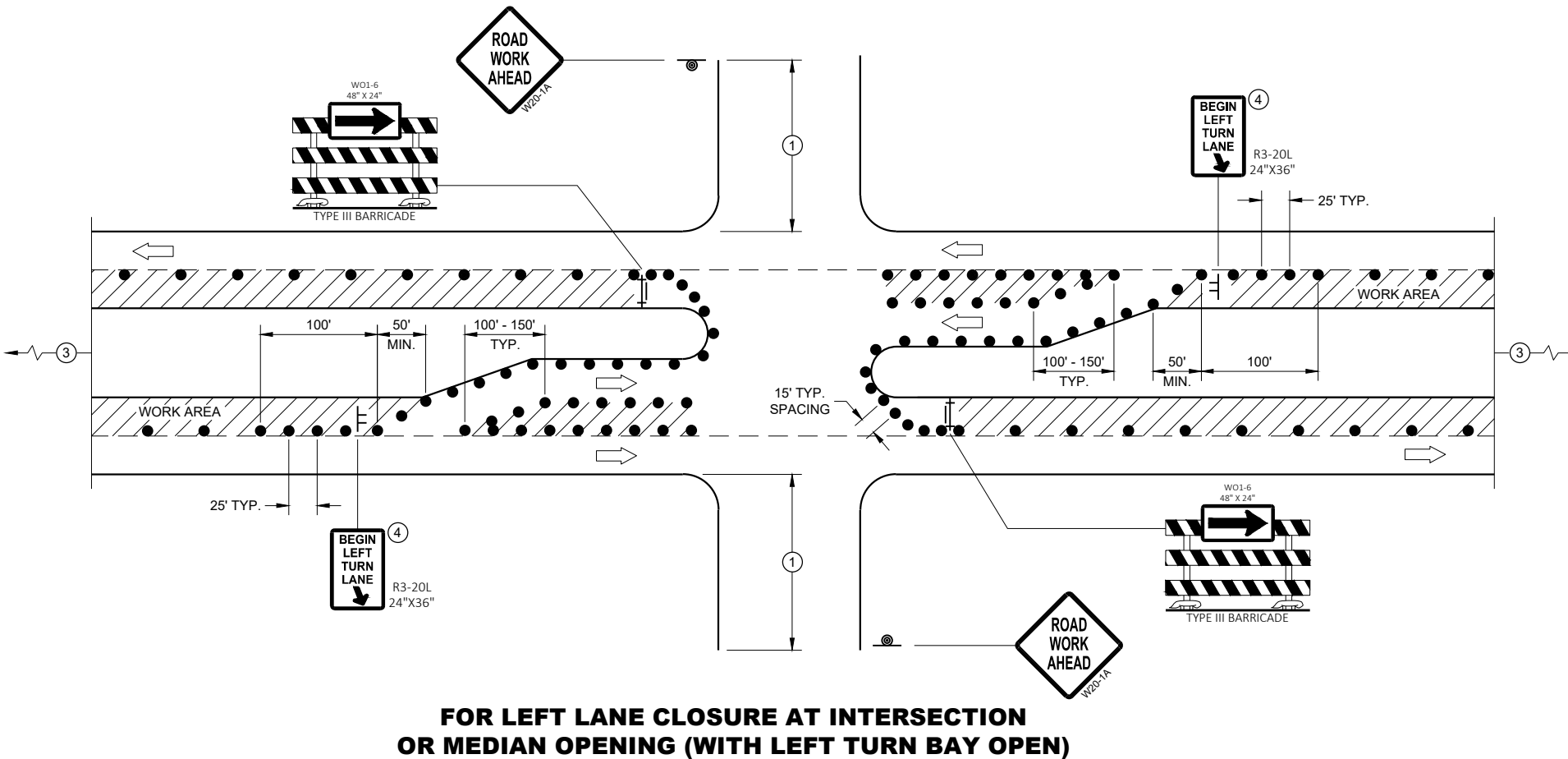
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

- 1 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.
- 2 ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS
- 3 SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.
- 4 MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA



TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED August 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ⚡➡ FLASHING ARROW BOARD
- ▨ WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

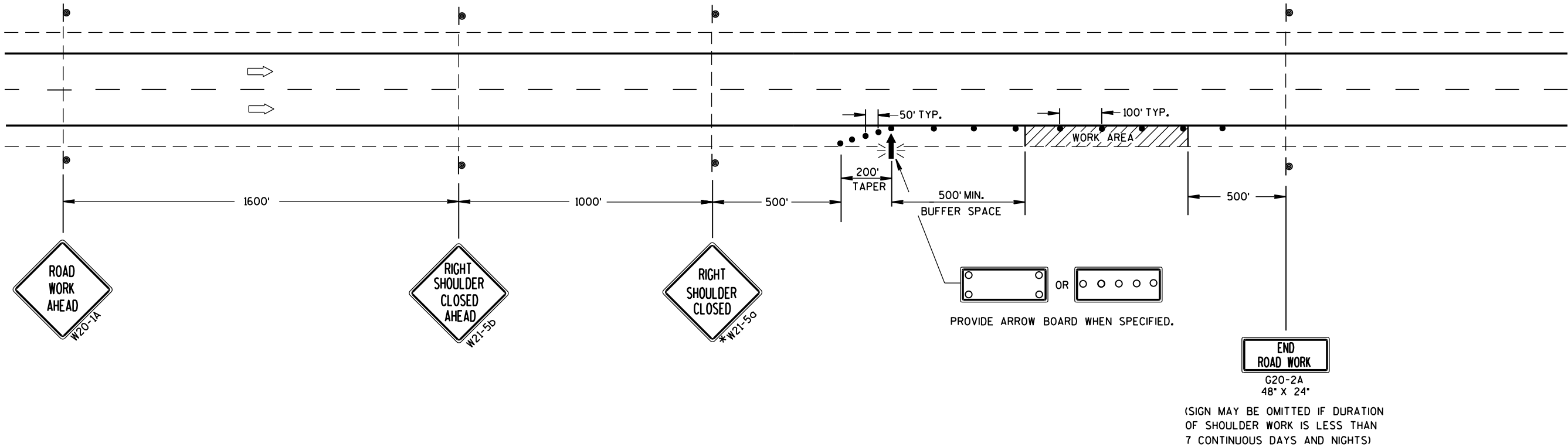
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

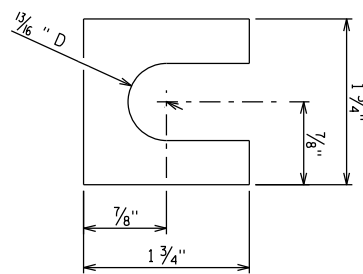
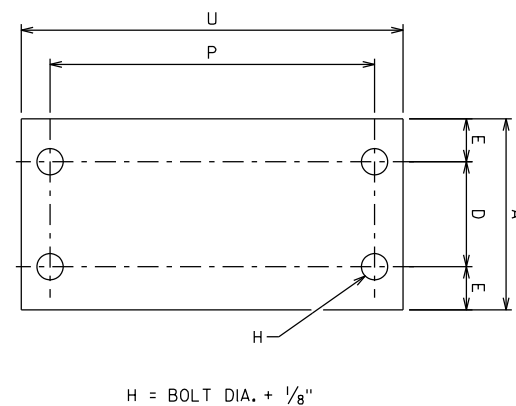
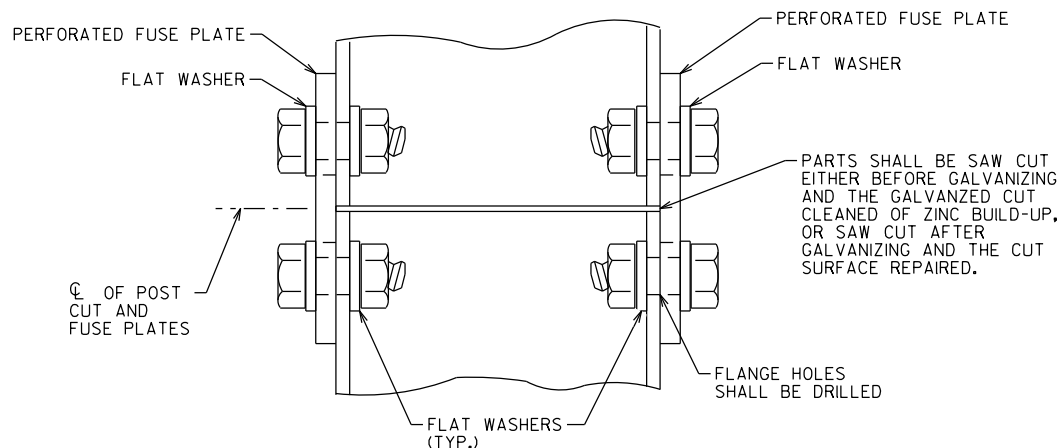
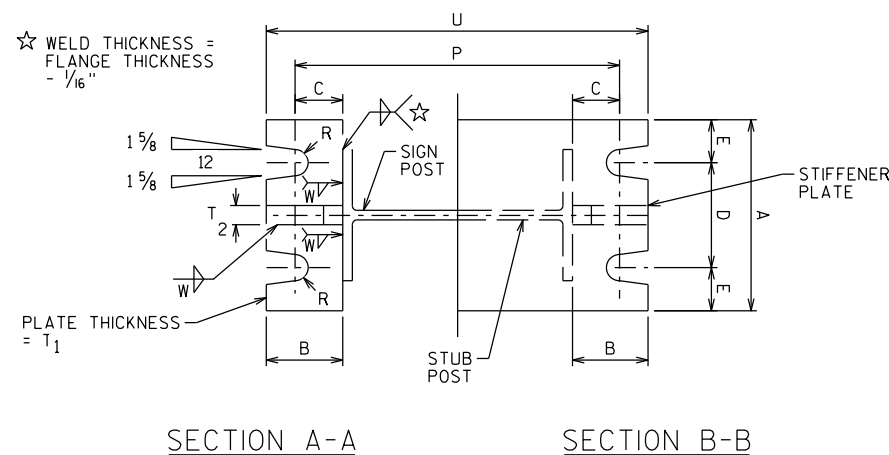
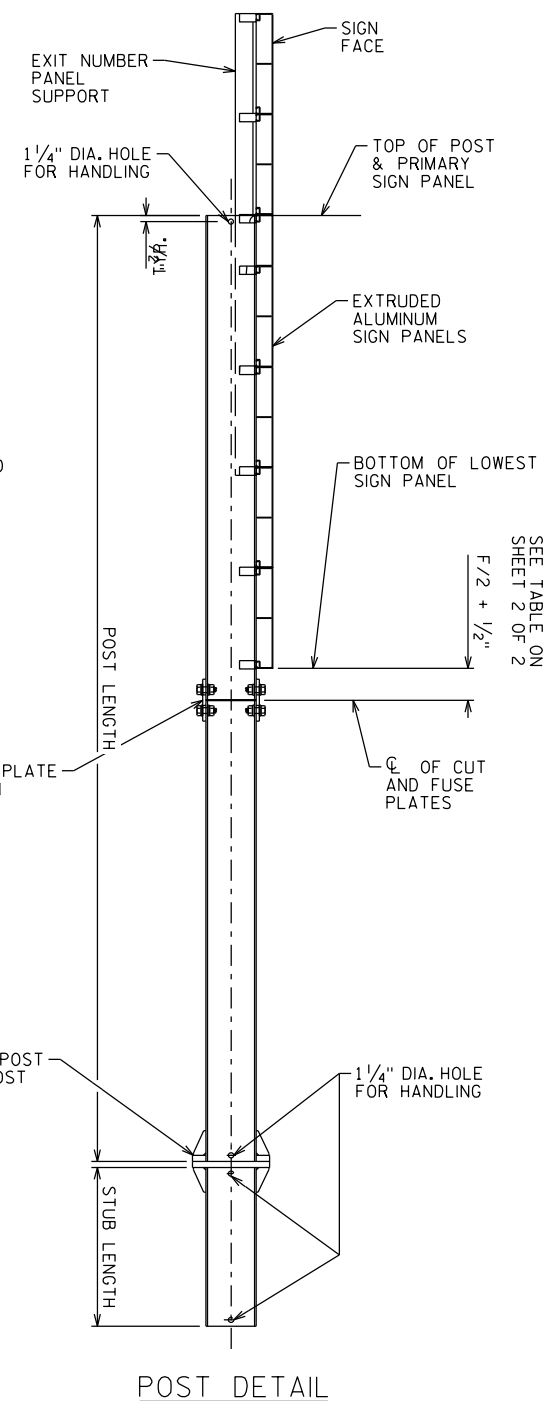
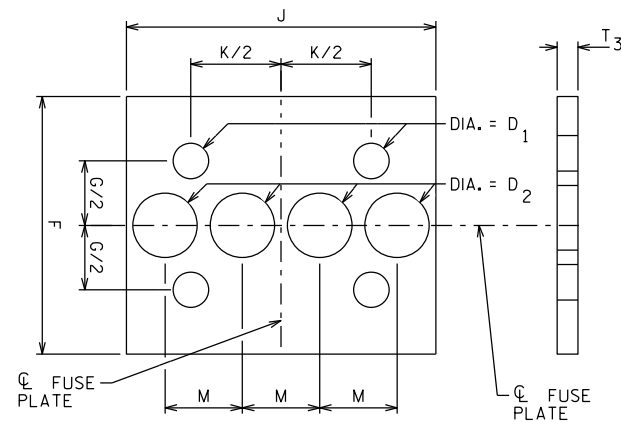
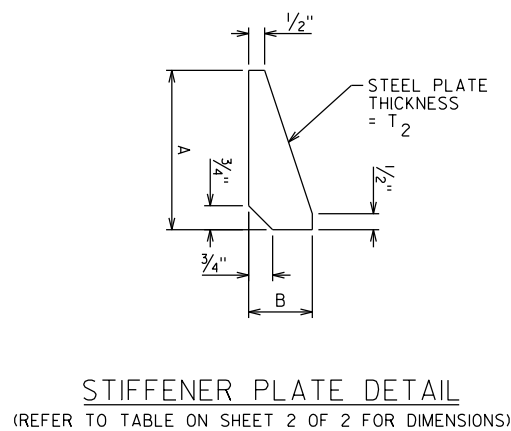
*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL
SHOULDER CLOSURE ON DIVIDED
ROADWAY, SPEEDS GREATER
THAN 40 MPH

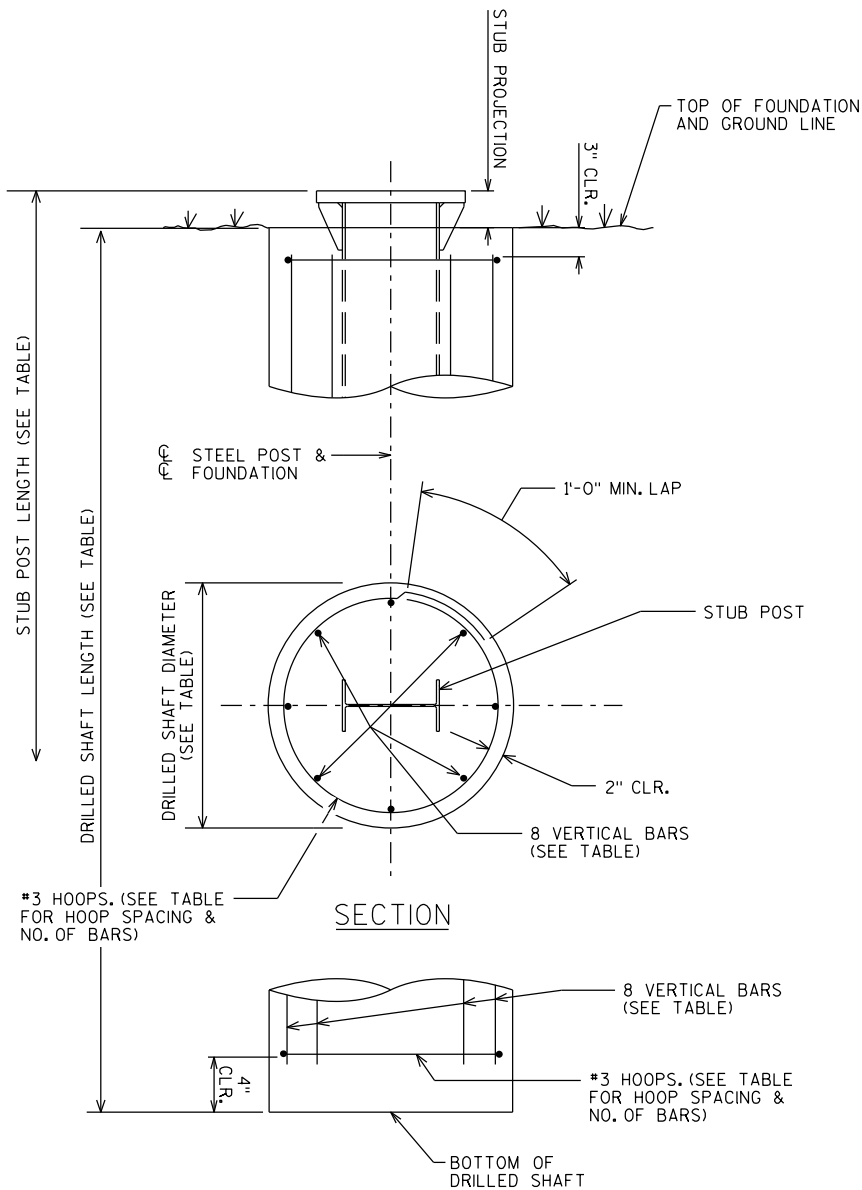
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 /S/ Peter Amakobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER

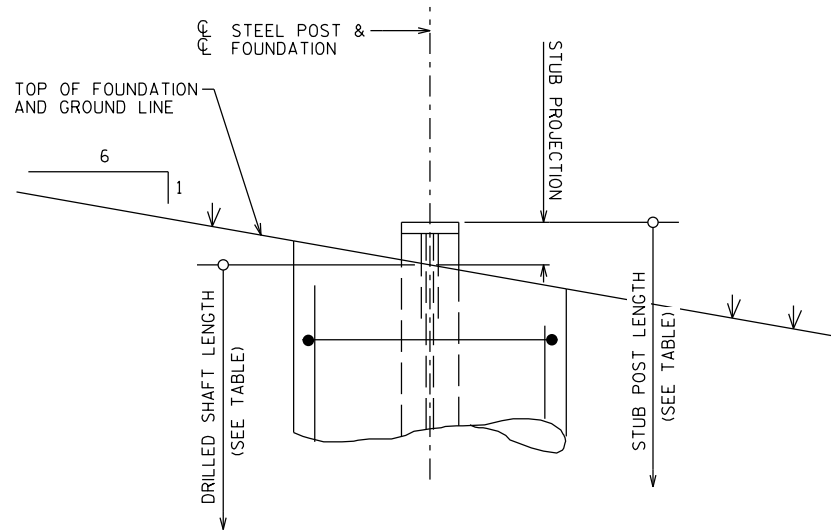


1. ASSEMBLE SIGN POST, BOLT KEEPER PLATE, AND STUB POST WITH BOLTS AND THREE FLAT WASHERS PER BOLT AS SHOWN.
2. SHIM AS REQUIRED TO PLUMB POST.
3. PRIOR TO BOLT TIGHTENING, LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 12" OR 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.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE 1 SIGNS			
		DRAWN BY	PLANS CK'D.
CONNECTION & FOUNDATION DETAILS 1 OF 2		SHEET A3-1.20	



FOUNDATION DETAIL




SHAFT PLACEMENT

FOUNDATION DATA TABLE

POST SHAPE	STUB LENGTH	STUB PROJECTION	DRILLED SHAFT DIAMETER	DRILLED SHAFT LENGTH	VERTICAL BARS		HOOPS		CONCRETE VOLUME	TOTAL REINF. WEIGHT
					SIZE	LENGTH	MAX SPA.	NO.		
W6X15	2'-6"	3"	24"	6'-6"	#5	5'-11"	10"	9	0.8 CY	71 LB
W8X18	2'-6"	3"	24"	7'-6"	#6	6'-11"	12"	8	0.9 CY	102 LB
W8X21	3'-0"	2½"	24"	8'-0"	#6	7'-5"	12"	9	1.0 CY	110 LB
W10X22	3'-0"	2½"	24"	8'-6"	#7	7'-11"	12"	9	1.0 CY	151 LB
W12X26	3'-0"	2½"	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 SHAPE	WEIGHT PER FOOT	BOLT SIZE & TORQUE	A	B	C	D	E	T1	T2	W	R	P	U	F	G	J	K	M	D1	D2	T3	BOLT DIA.	WGT. EA. LBS	BOLT LENGTH	V 		
W6X15	15 LB	5/8" DIA. X 4"	5"	2"	1 1/4"	2 3/4"	1 1/8"	1 1/4"	1/2"	1 1/4"	1 1/32"	8 1/2"	10"	5"	2 1/2"	6"	3 1/2"	1 1/2"	1 1/16"	1 1/4"	3/8"	5/8"	2.4	2	73.0 LB		
W8X18	18 LB	36 TO 38 FT-LB										10 5/8"	12 7/8"	5"	2 1/2"	5 1/4"	2 3/4"	1 1/4"	1 1/16"	1 1/16"	3/8"	5/8"	2.0	2	83.0 LB		
W8X21	21 LB	3/4" DIA. X 4 3/4"	6"	2 1/4"	1 3/8"	3 1/2"	1 1/4"	1 1/2"	3/4"	5/16"	1 1/32"	11"	12 3/4"	5 1/2"	2 1/2"	5 1/4"	2 3/4"	1 1/4"	1 1/16"	1"	1/2"	3/4"	3.1	2 1/4"	124.0 LB		
W10X22	22 LB											12 7/8"	14 3/8"	6"	3"	5 3/4"	2 3/4"	1 3/8"	1 1/16"	1 1/8"	1/2"	3/4"	3.9	2 1/4"	134.0 LB		
W12X26	26 LB											15"	16 3/4"	6"	3"	6 1/2"	3 1/2"	1 5/8"	1 3/16"	1 1/2"	3/4"	4.5	2 1/4"	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 F'C = 3,500 P.S.I.
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
 - MEAN RECURRENCE 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

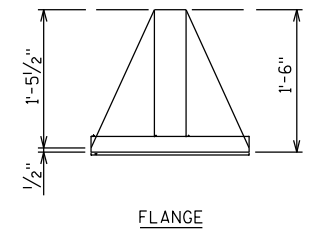
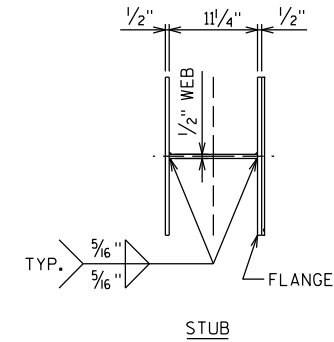
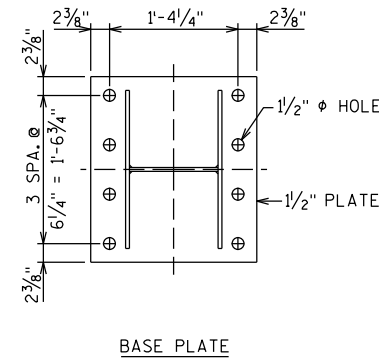
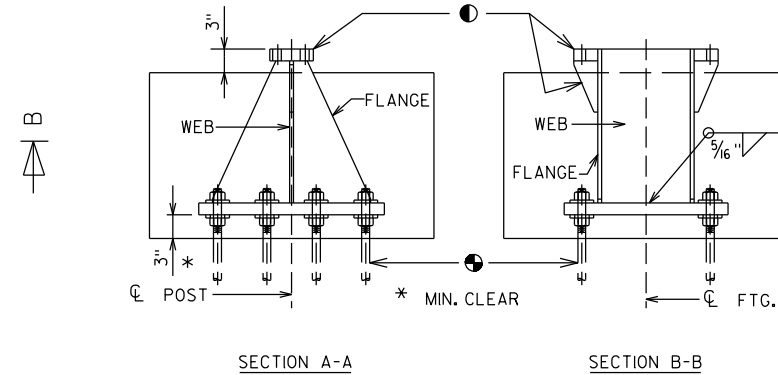
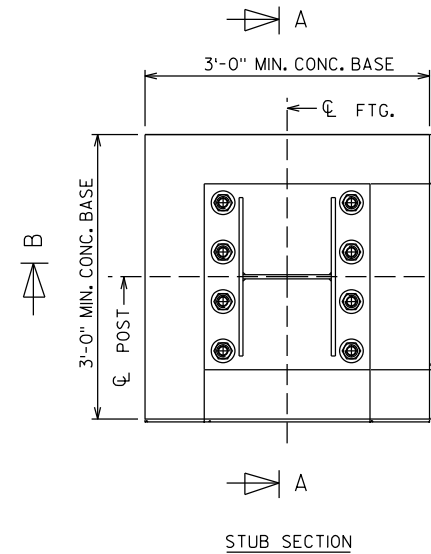
LOAD COMBINATIONS:

LOAD COMBINATION	TYPE	DL FACTOR	WL FACTOR
STRENGTH I	GRAVITY	1.25	-
EXTREME I	WIND	1.10	1.0
		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.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE I SIGNS			
		DRAWN BY	PLANS CK'D.
CONNECTION & FOUNDATION DETAILS 2 OF 2		SHEET A3-120	



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

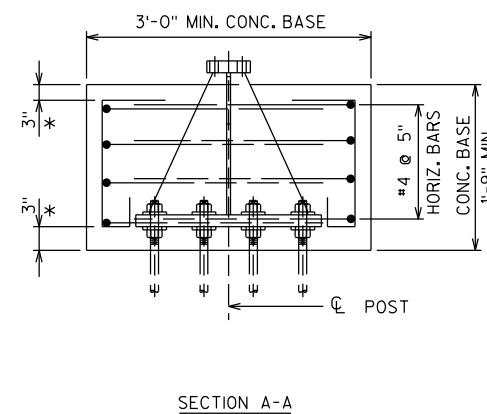
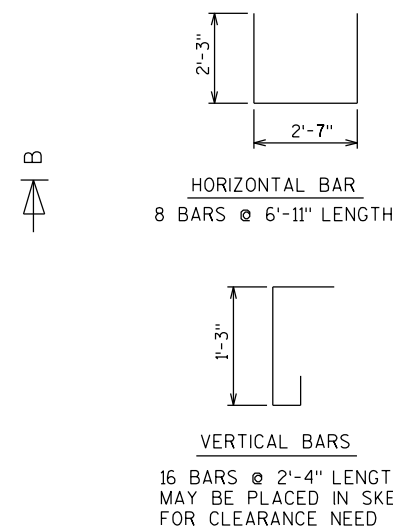
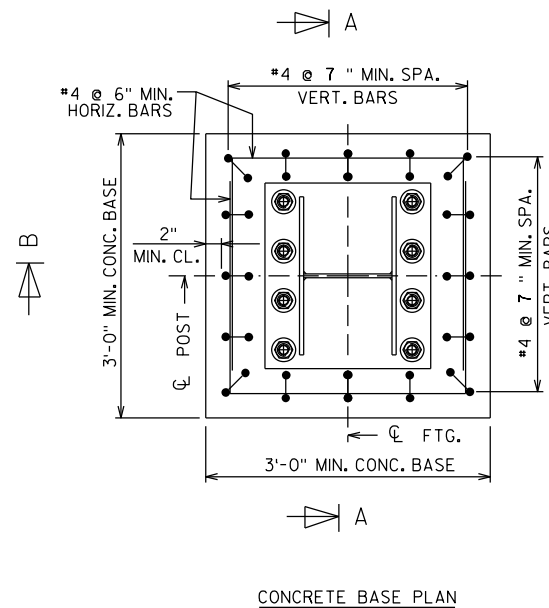
GENERAL NOTES:

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

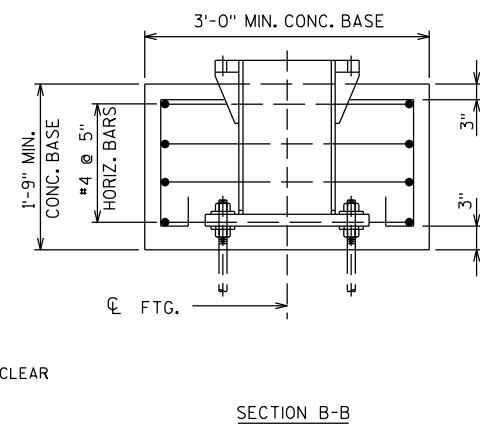
ALL MATERIALS, EXCEPT FOR ANCHOR ROD, NUTS, AND WASHERS, SHALL BE ASTM A709 GRADE 50. ALL MATERIALS TO BE GALVANIZED AFTER FABRICATION.

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. IF 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.

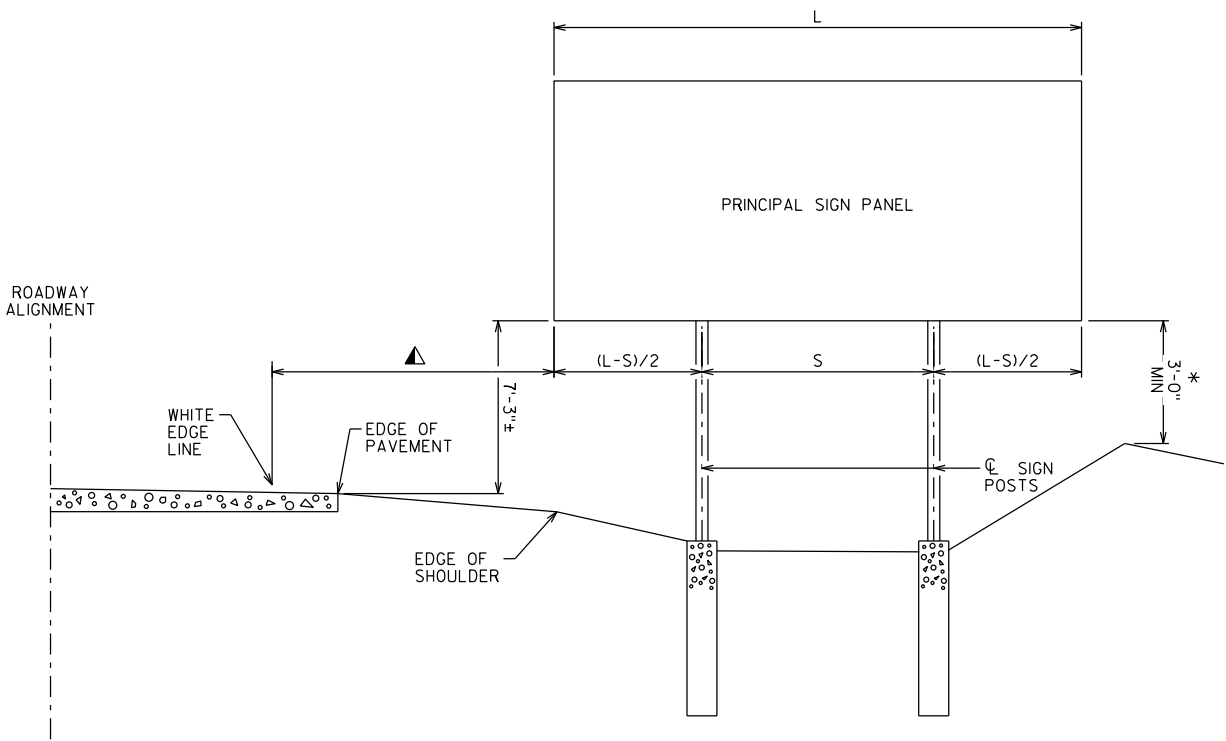
CONCRETE BASE DETAILS



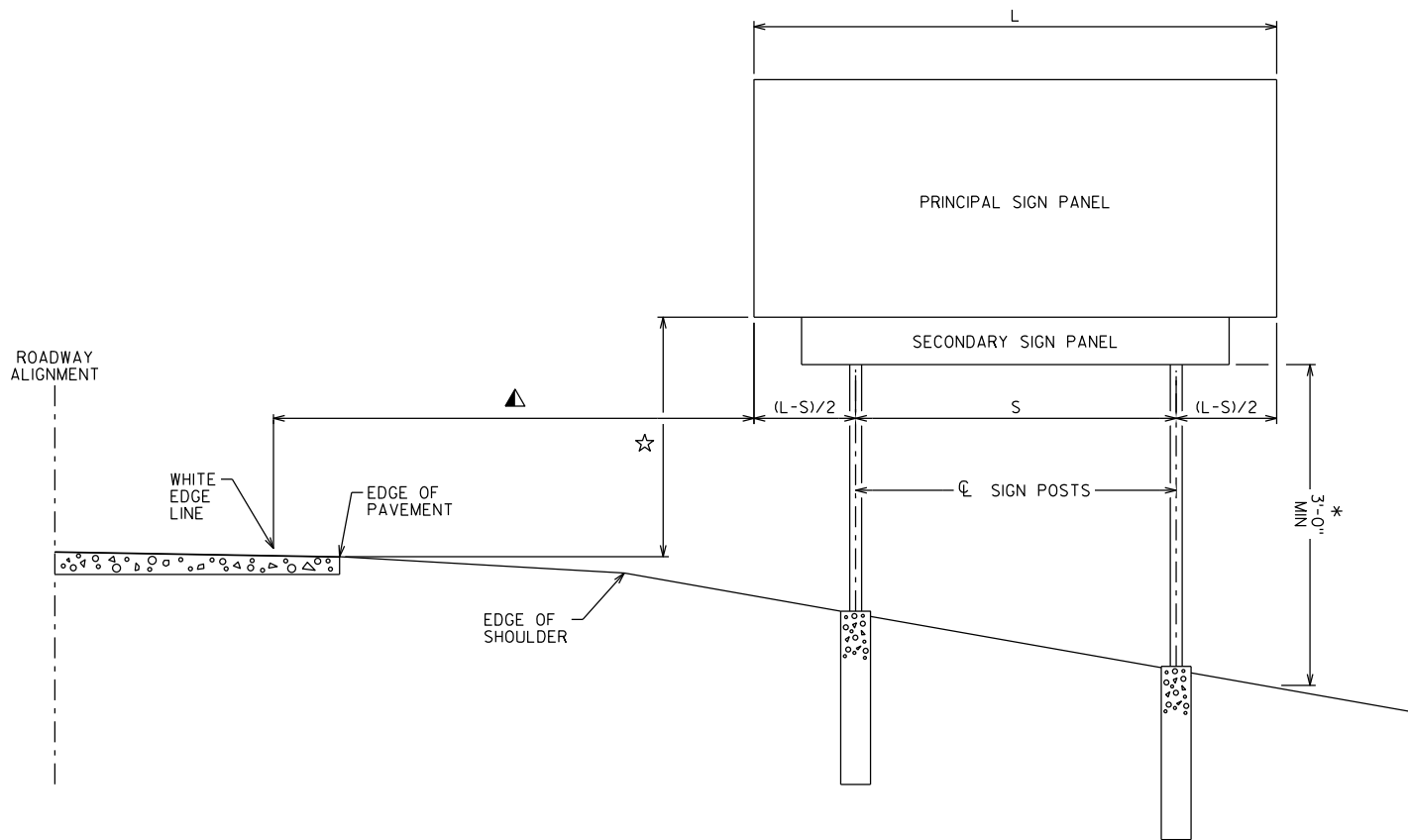
* MIN. CLEAR



NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE I SIGNS			
DRAWN BY		PLANS CK'D.	
ALTERNATE BREAK-AWAY BASE ON ROCK			SHEET A3-1M.2



INSTALLATION WITHOUT SECONDARY SIGN



INSTALLATION WITH 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'-0". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-0".

▲ 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"±.

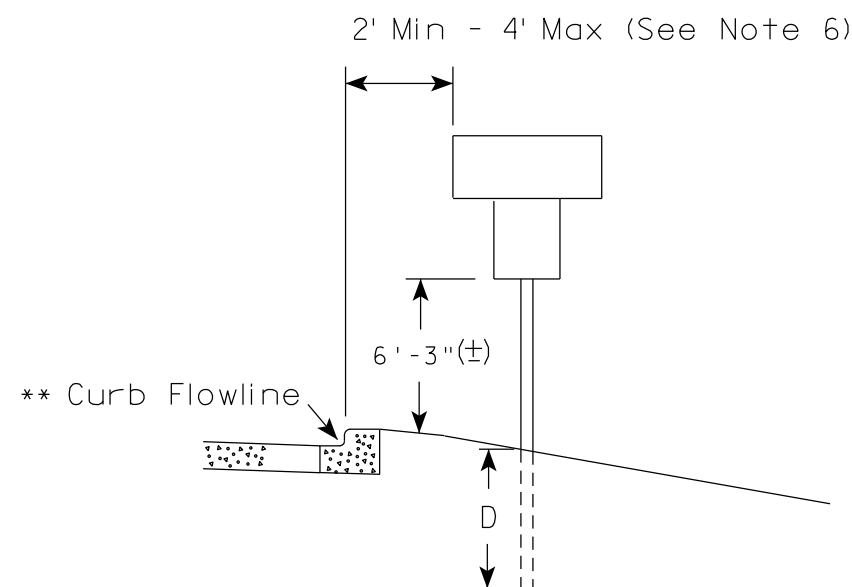
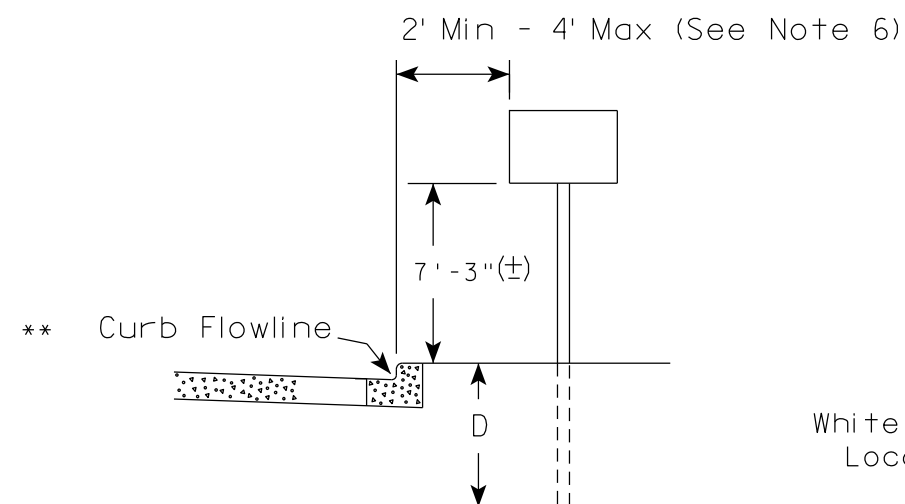
* THE VERTICAL SIGN GROUND CLEARANCE ON RIGHT END OF SIGN SHALL BE A MINIMUM OF 3'-0"±.

POST LENGTHS SHOWN IN THE MISCELLANEOUS QUANTITIES 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.

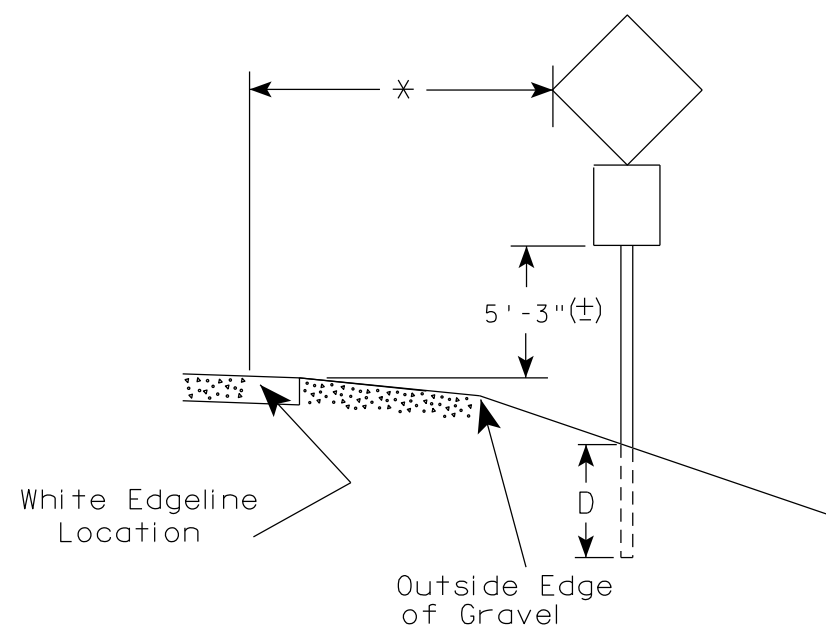
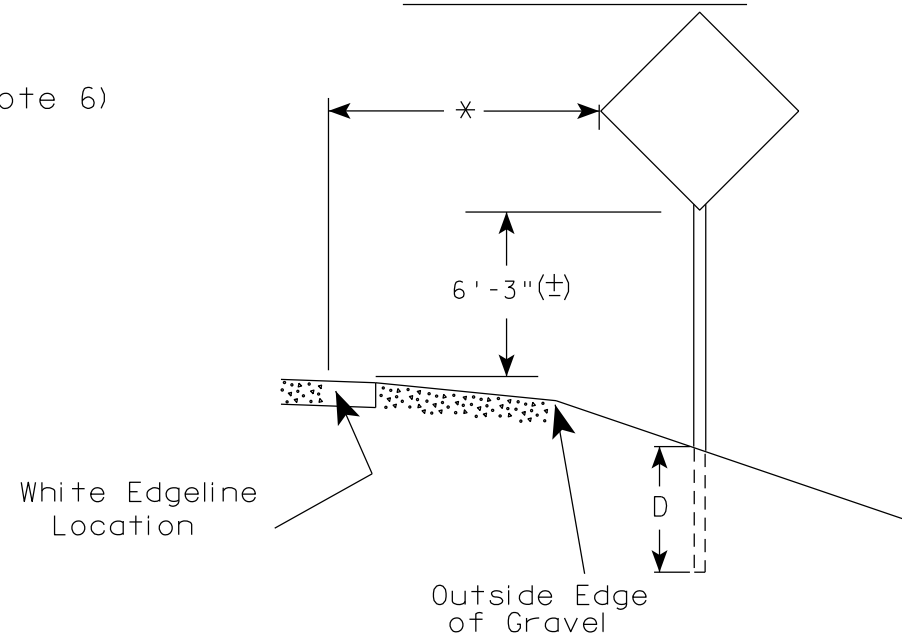
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE BTO TYPE I SIGNS			
		DRAWN BY	PLANS CK'D.
TYPICAL TYPE I SIGN INSTALLATION		SHEET A4-1.10	

URBAN AREA



✱✱ 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.

RURAL AREA (See Note 2)



✱ 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 (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

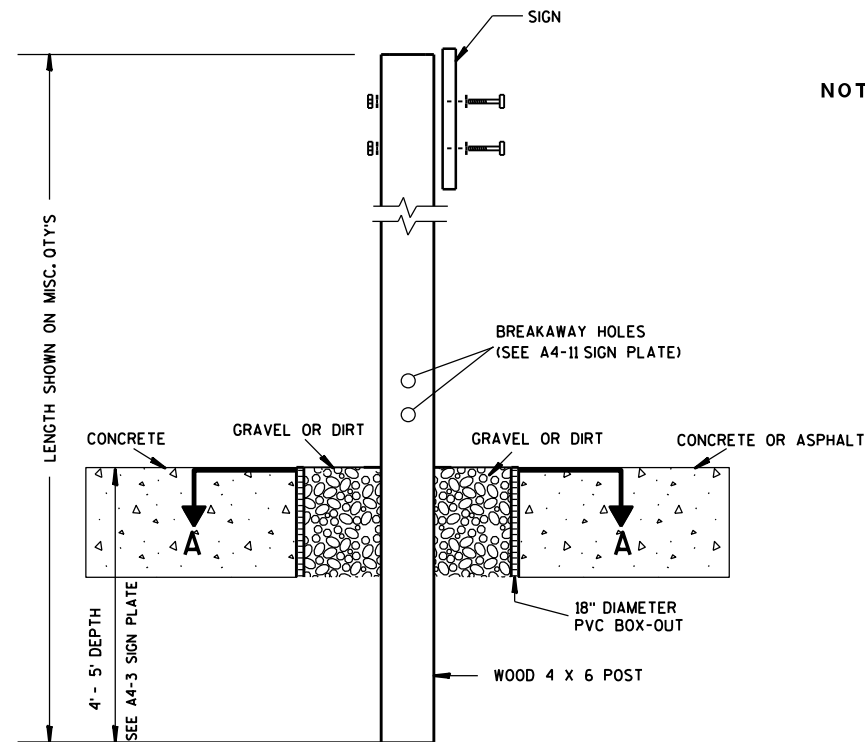
1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (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" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
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" (±) or as directed by the Engineer.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

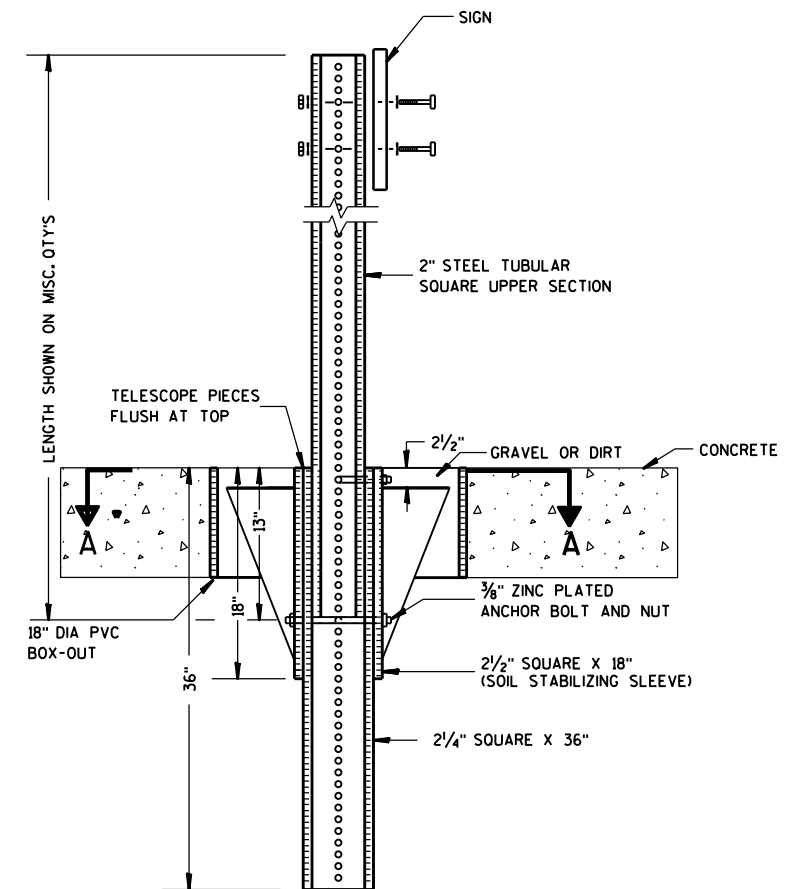
DATE 5/13/2020 PLATE NO. A4-3.22



ELEVATION VIEW

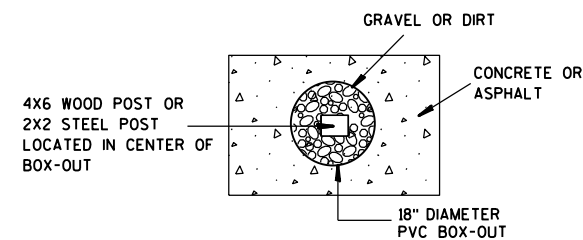
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- 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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST
BOX-OUTS
A4-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

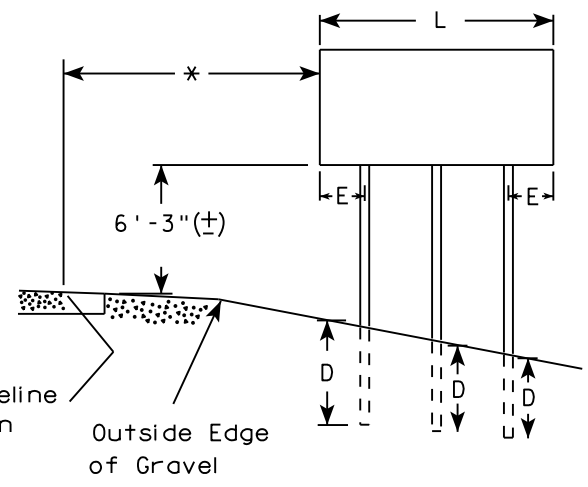
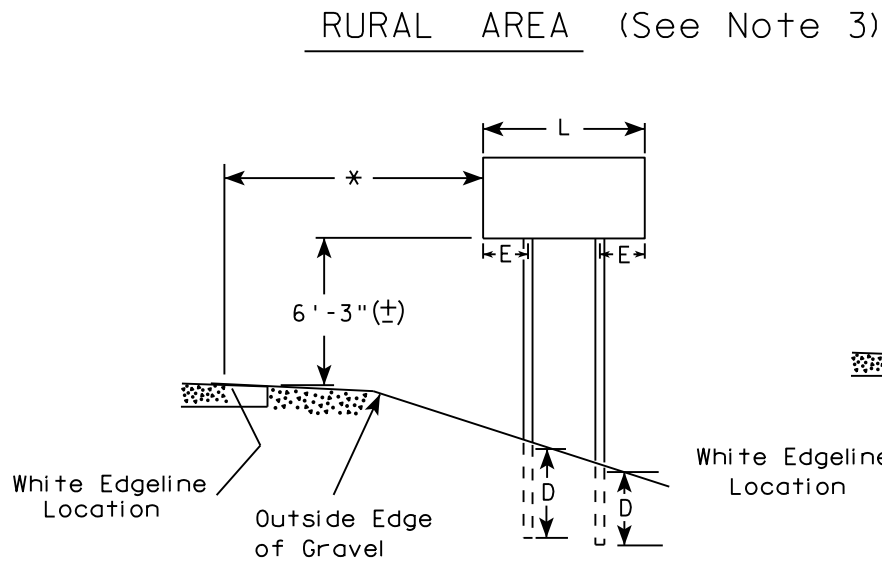
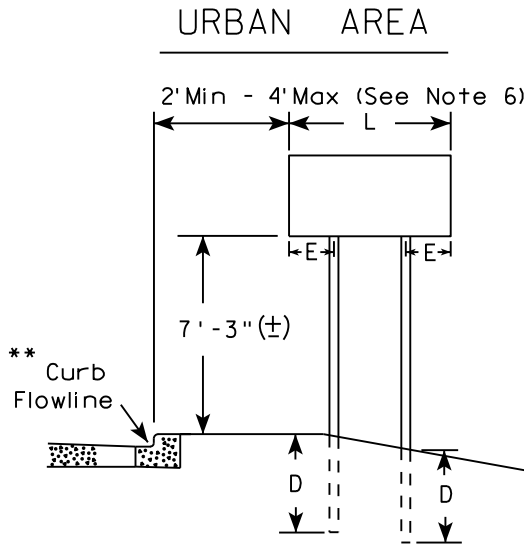
PROJECT NO:

HWY:

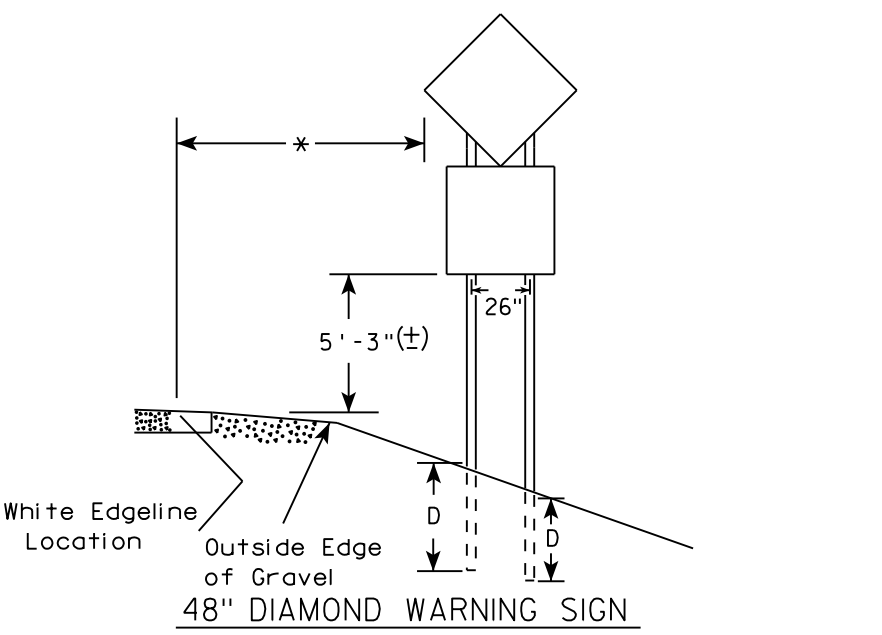
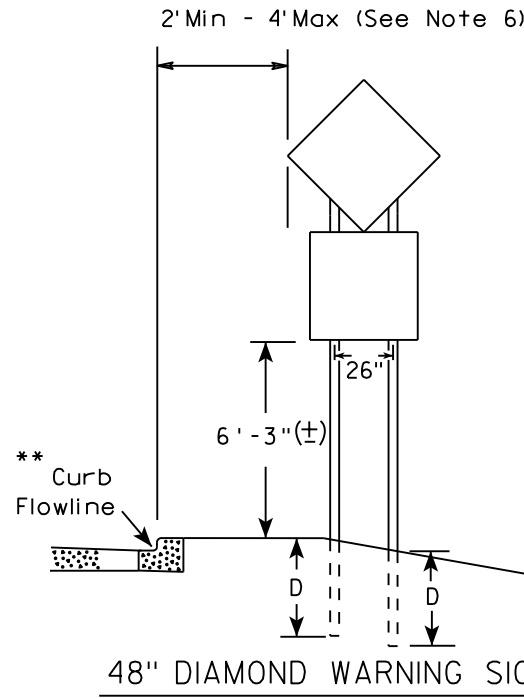
COUNTY:

SHEET NO:

E



- 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" (±) 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.

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

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

POST EMBEDMENT DEPTH

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

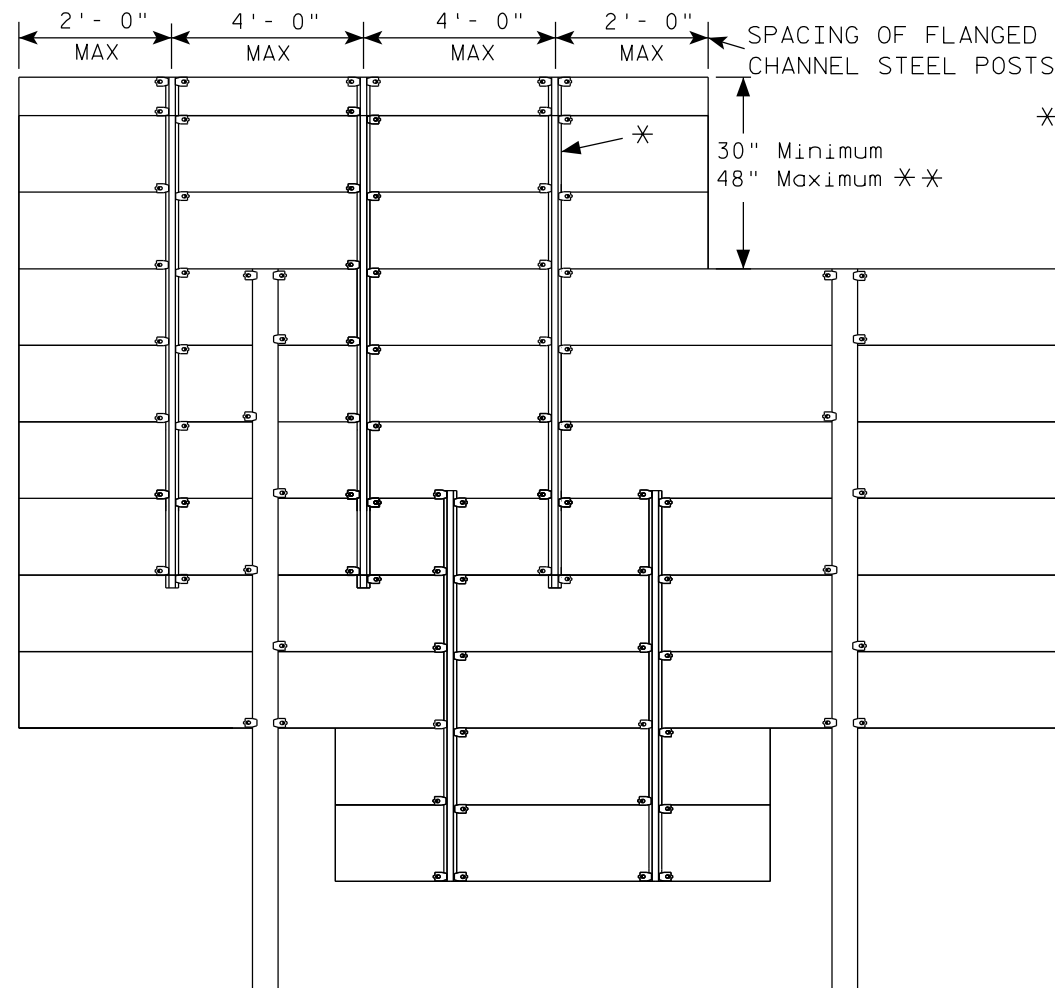
TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

GROUND MOUNTED SIGN



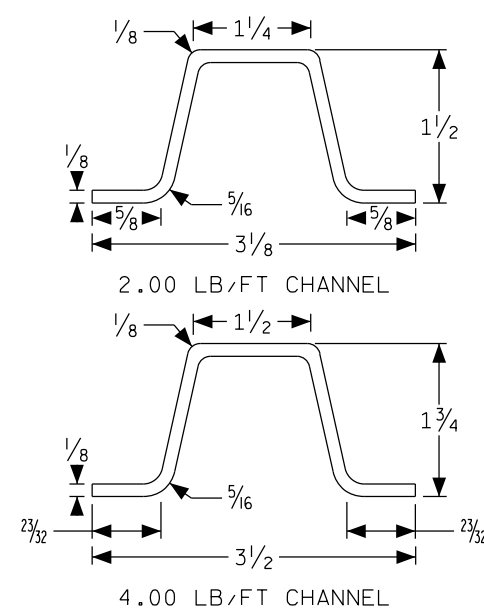
* = 2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

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

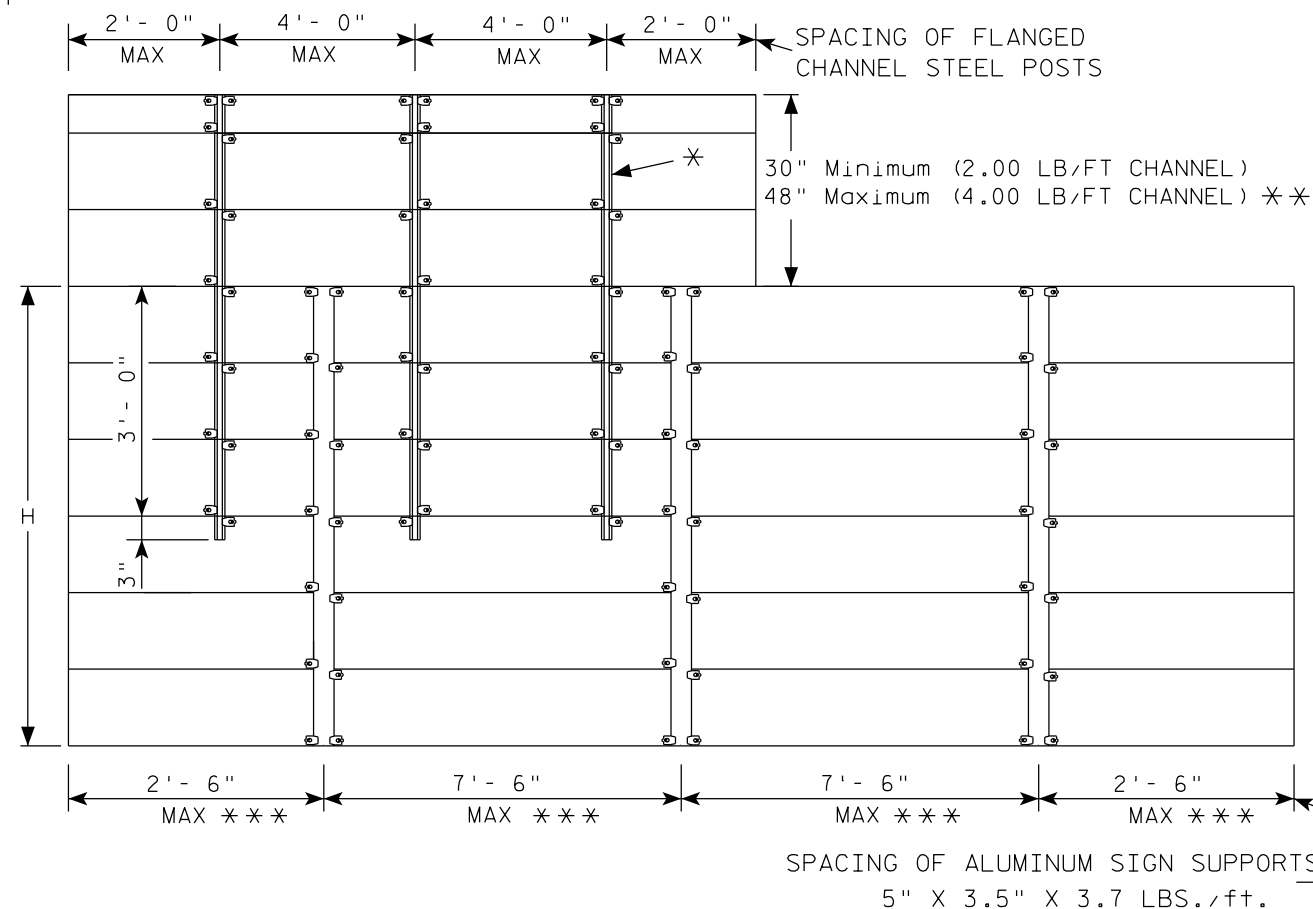
* * * THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 15 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 15 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAILS

NOT TO SCALE



SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:
 PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
 PANEL LENGTH 9'-0" - 12'-0" = 3 CHANNELS
 PANEL LENGTH 13'-0" OR MORE = 4 CHANNELS
 If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.

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

Matthew R. Rauch
 for State Traffic Engineer

DATE 1/07/20

PLATE NO. A4-6.12

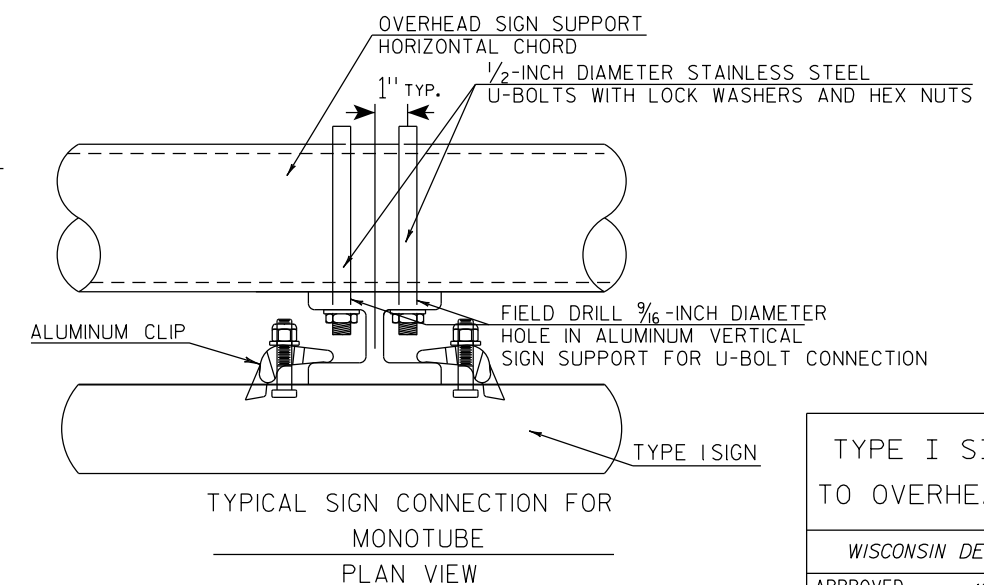
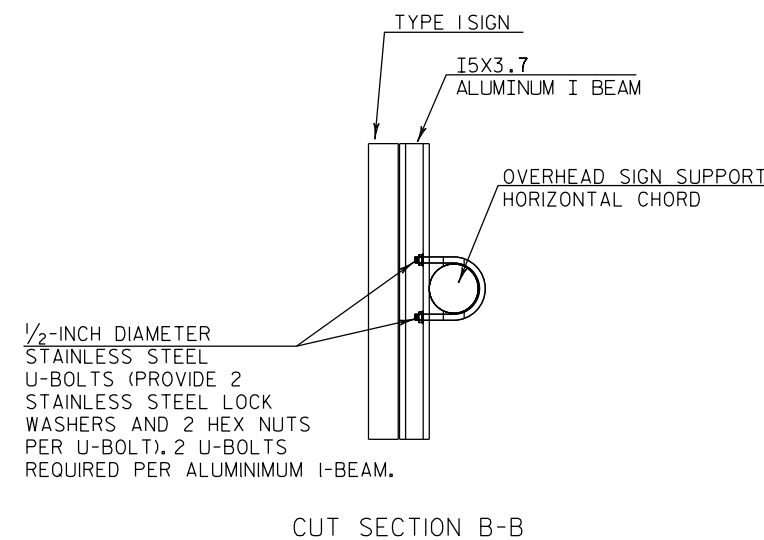
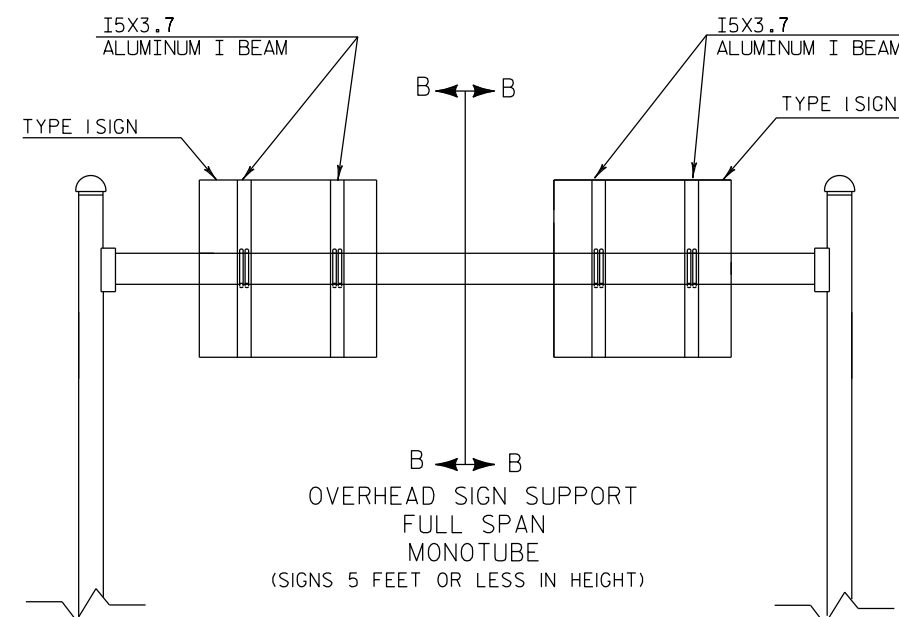
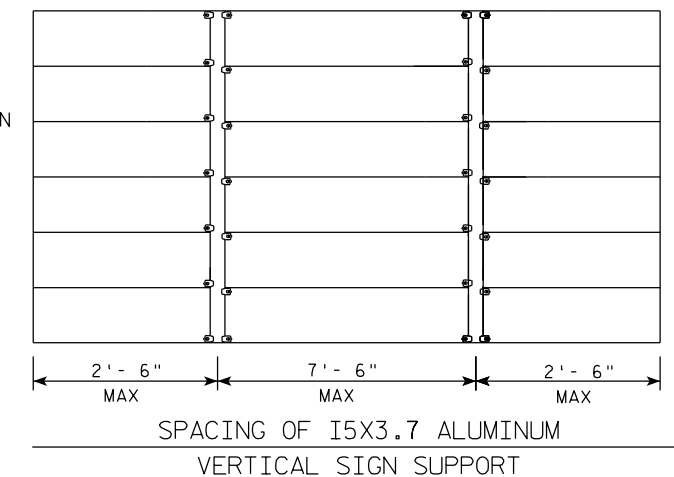
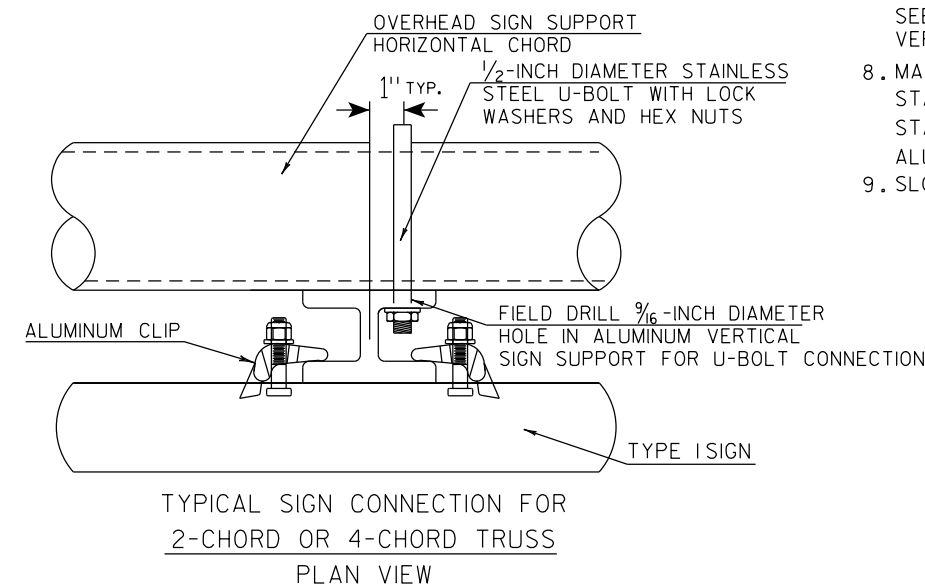
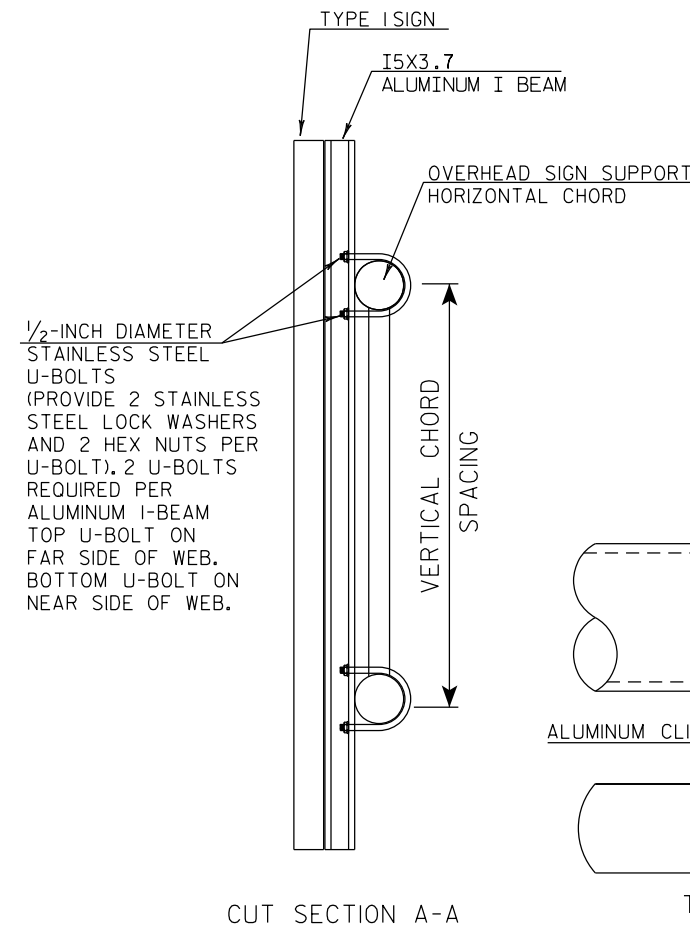
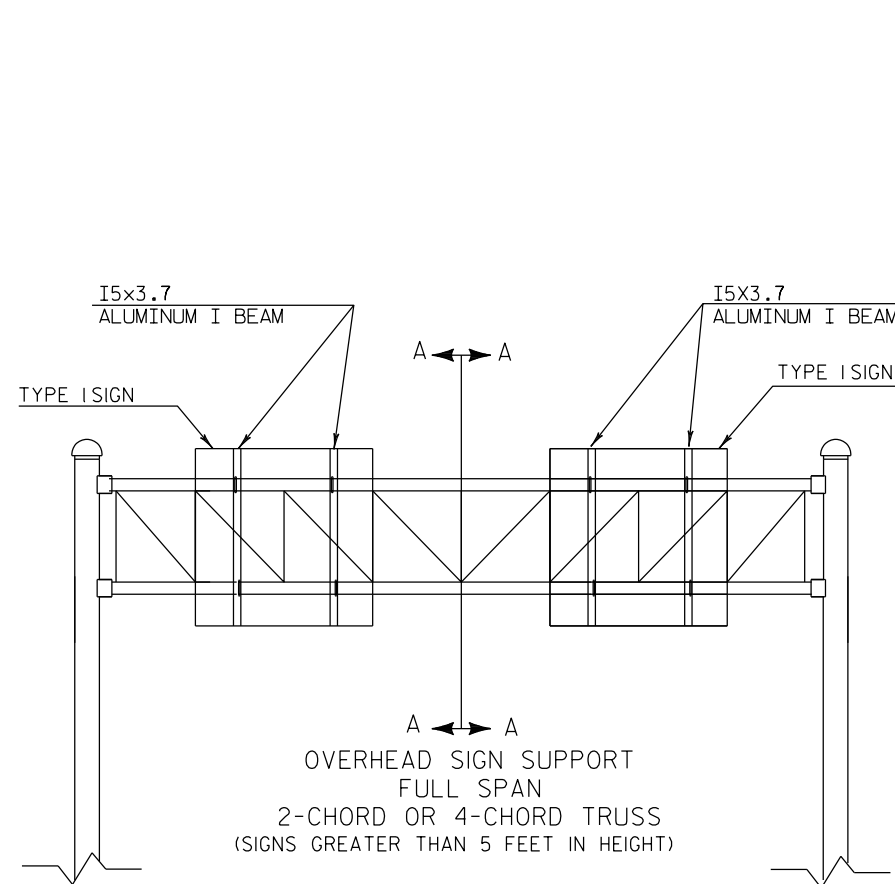
PROJECT NO:

SHEET NO:

E

GENERAL NOTES

1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
STAINLESS STEEL HEX NUTS ASTM A276.
ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED

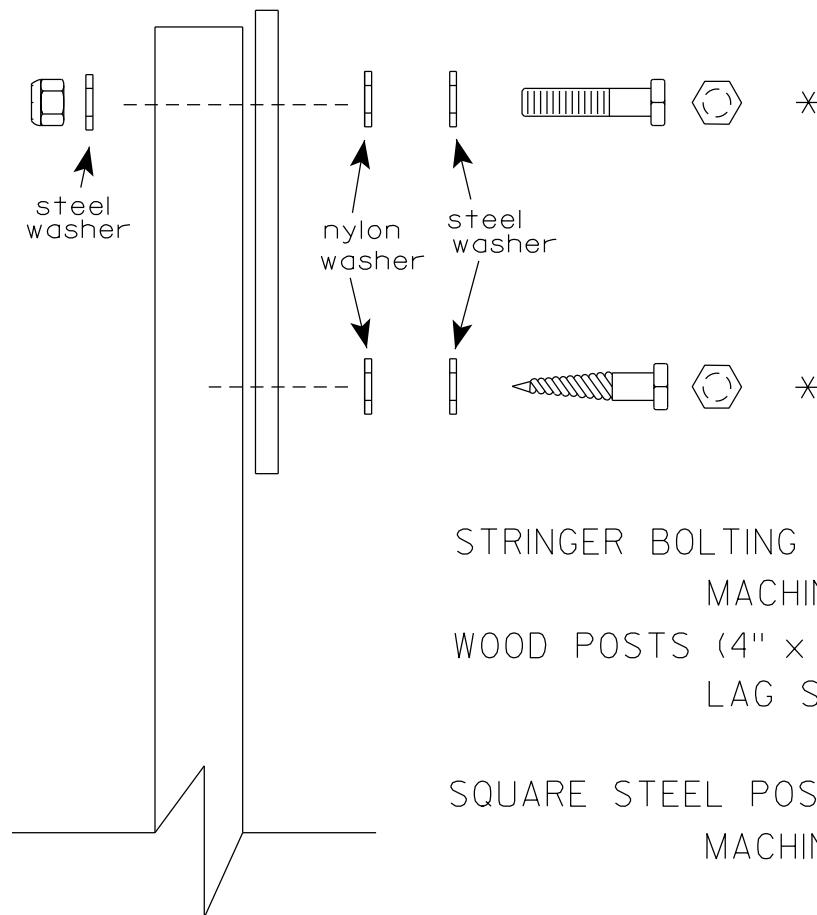
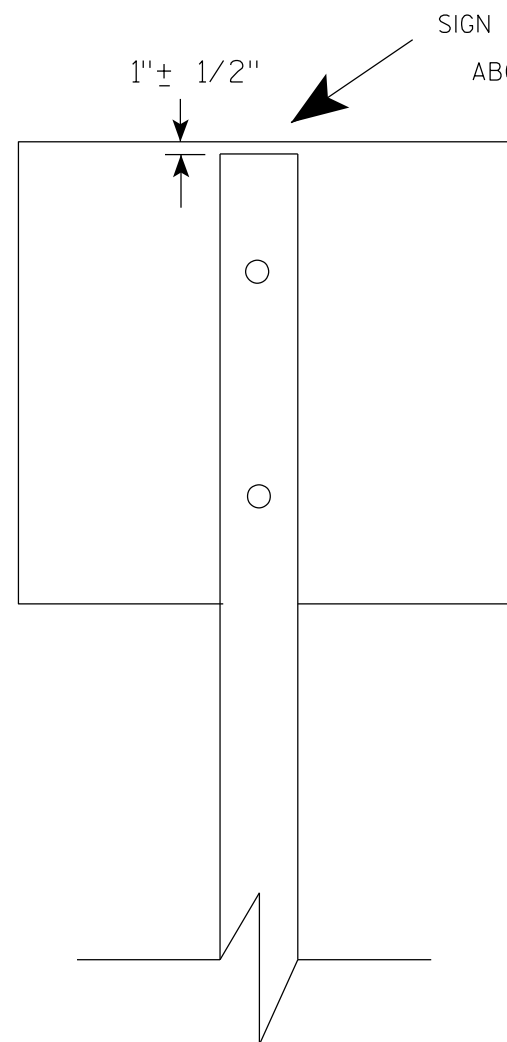


TYPE I SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7A.1



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.

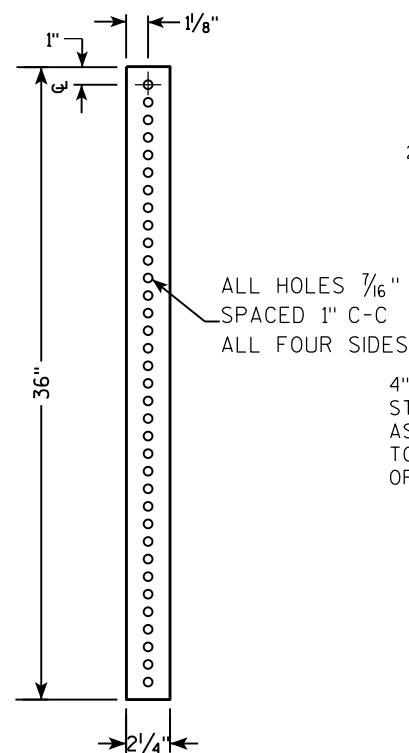
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- 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" x 6")
- LAG SCREWS - $\frac{3}{8}$ " X 3" (NO STRINGERS ON BACK OF SIGN)
 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - $\frac{3}{8}$ " X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
 $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
- RIVETS - $\frac{9}{32}$ " (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

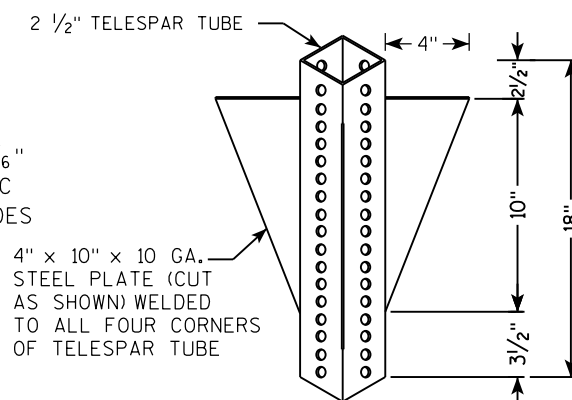
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require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

ATTACHMENT OF SIGNS TO POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 4/1/2020	PLATE NO. A4-8.9

**2 1/4" SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH**



**2 1/2" SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH**



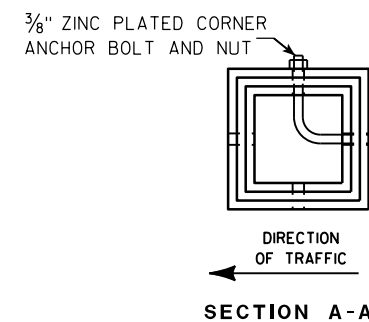
TECHNICAL DRAWING OF A SIGNPOST ASSEMBLY.

Labels and Dimensions:

- 18" DIA SCHEDULE 40 PVC BOX-OUT** (Vertical dimension on the left)
- 36"** (Vertical dimension for the lower post section)
- 18"** (Vertical dimension for the upper post section)
- 13"** (Vertical dimension for the upper post section)
- 2 1/2" GRAVEL OR DIRT** (Horizontal dimension for the upper post section)
- 2 1/4" SQUARE X 36"** (Horizontal dimension for the lower post section)
- 2 1/2" SQUARE X 18" (SOIL STABILIZING SLEEVE)** (Horizontal dimension for the upper post section)
- 3/8" ZINC PLATED CORNER ANCHOR BOLT AND NUT** (Horizontal dimension for the upper post section)
- 3/16" ZINC PLATED ANCHOR BOLT AND NUT** (Horizontal dimension for the upper post section)
- 2" STEEL TUBULAR SQUARE UPPER SECTION** (Horizontal dimension for the upper post section)
- ALL HOLES 7/16" SPACED 1" C-C ALL FOUR SIDES** (Horizontal dimension for the upper post section)
- SEE SIGN PLATE A4-8 FOR BOLT WASHER, & NUT MATERIAL** (Horizontal dimension for the upper post section)
- SIGN** (Horizontal dimension for the upper post section)
- TELESCOPE PIECES FLUSH AT TOP** (Horizontal dimension for the upper post section)

TECHNICAL DRAWING OF A SIGNPOST ASSEMBLY:

- Dimensions:**
 - Overall height: LENGTH SHOWN ON MISC. Q'TYS
 - Top section height: 36"
 - Section below top: 18"
 - Section below that: 12"
- Components and Labels:**
 - SIGN
 - SEE SIGN PLATE A4-8 FOR BOLT WASHER, & NUT MATERIAL
 - 2" STEEL TUBULAR SQUARE UPPER SECTION
 - ALL HOLES $\frac{7}{16}$ " SPACED 1" C-C
 - ALL FOUR SIDES
 - $\frac{3}{8}$ " ZINC PLATED CORNER ANCHOR BOLT AND NUT
 - TELESCOPE PIECES FLUSH AT TOP
 - $\frac{3}{8}$ " ZINC PLATED ANCHOR BOLT AND NUT
 - 2 1/2" SQUARE X 18" (SOIL STABILIZING SLEEVE)
 - 2 1/4" SQUARE X 36"



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

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

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R. Rauch

for State Traffic Engineer

DATE 2/05/15 PLATE NO. A4-9.9

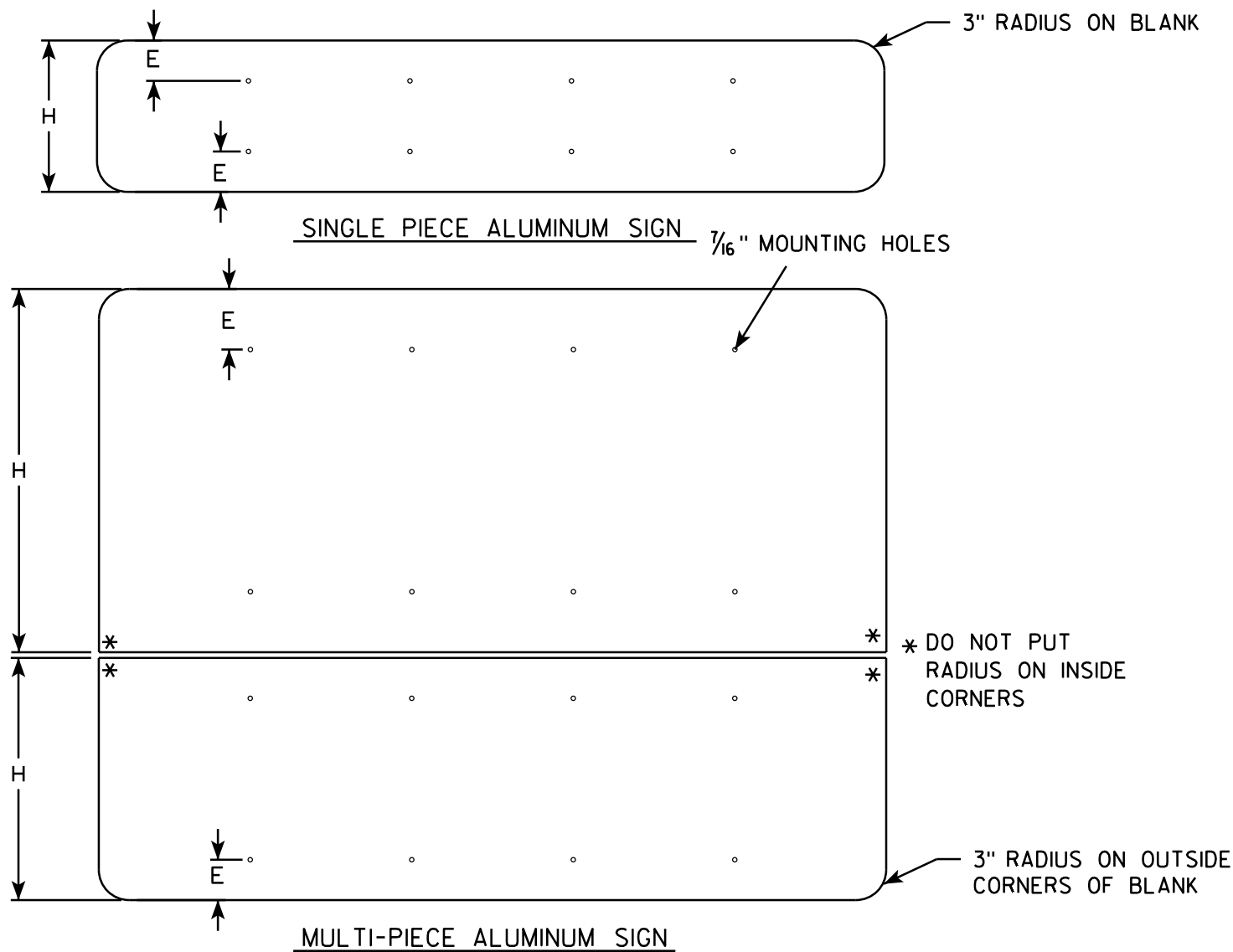
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

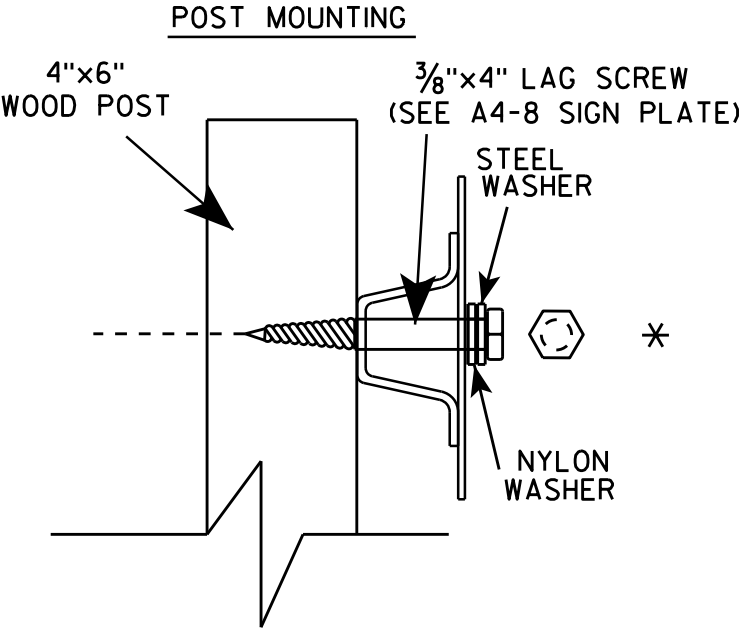
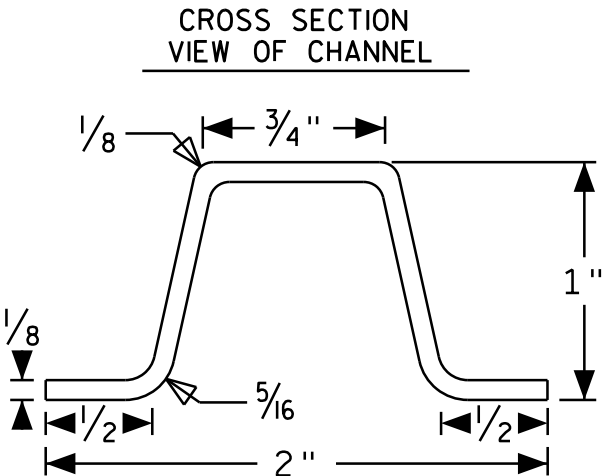
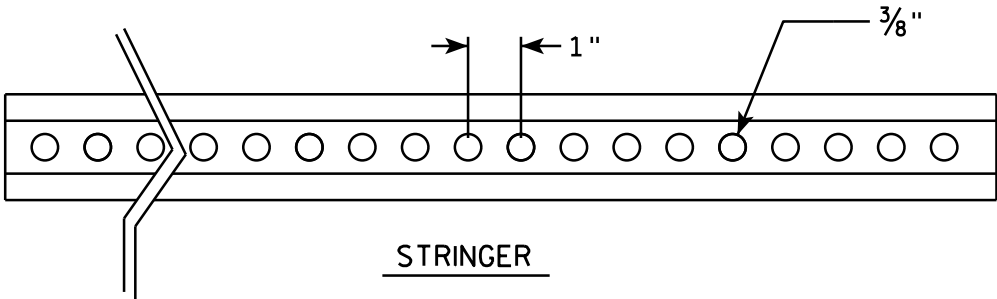
T



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 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	MOUNTING HOLES			
78"	72"	2	16"	15"	31"	47"	63"
84"	72"	2	17"	16 1/2"	33 1/2"	50 1/2"	67 1/2"
90"	72"	2	18"	18"	36"	54"	72"
96"	90"	2	19"	19 1/2"	38 1/2"	57 1/2"	76 1/2"
102"	90"	2	20"	21"	41"	61"	81"
108"	90"	2	21"	22 1/2"	43 1/2"	64 1/2"	85 1/2"
114"	108"	3	15"	12"	27"	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"



SIGN STRINGER
MOUNTING REQUIREMENTS

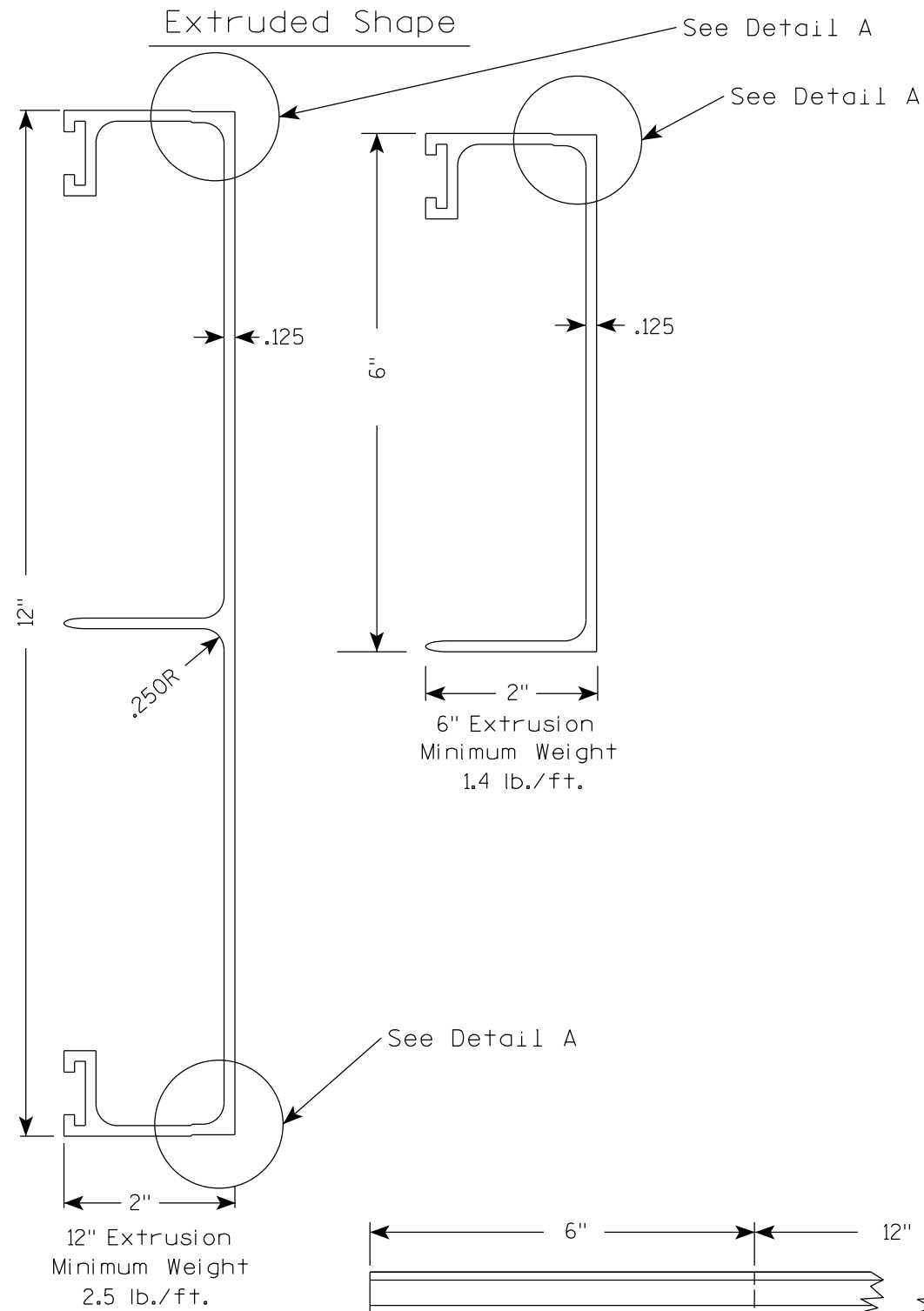
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/26/16 PLATE NO. A4-18.1

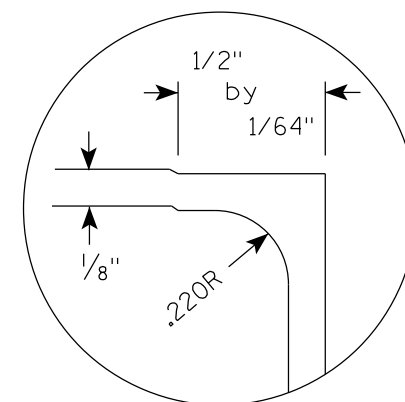
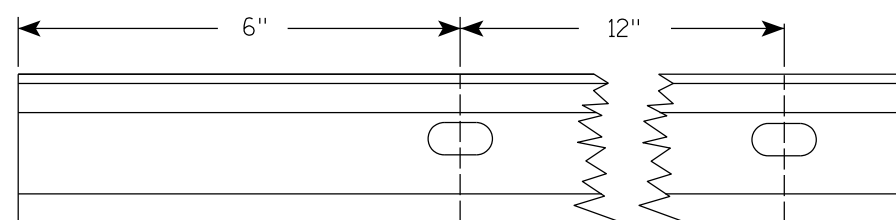
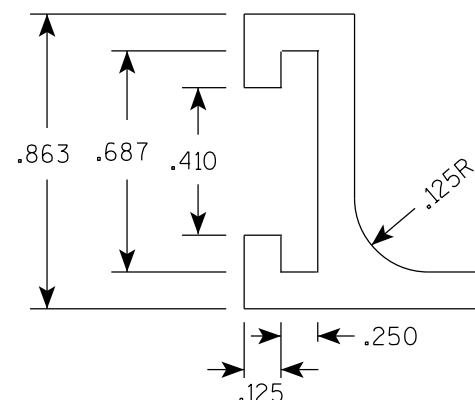
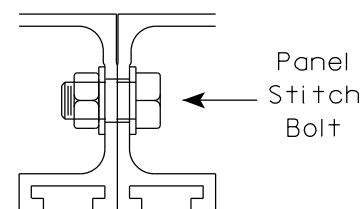
Extruded Shape

Hardware



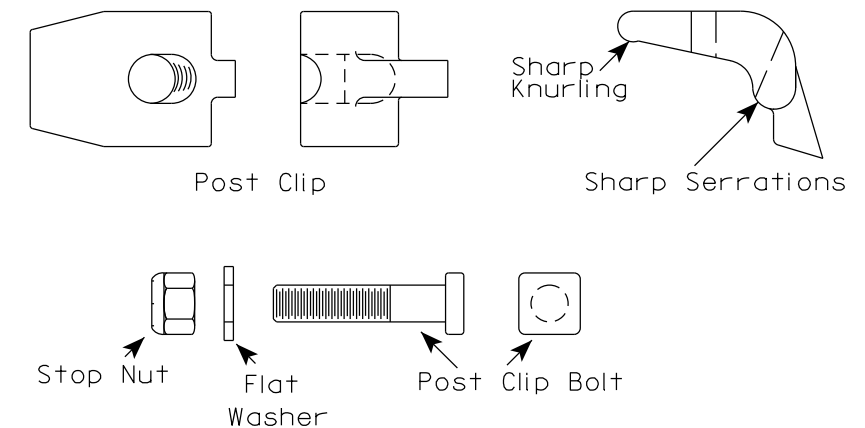
STITCH BOLT, WASHER & NUT

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



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 *Matthew R. Rauch*
For State Traffic Engineer
DATE 1/07/20 PLATE NO. A5-2.10

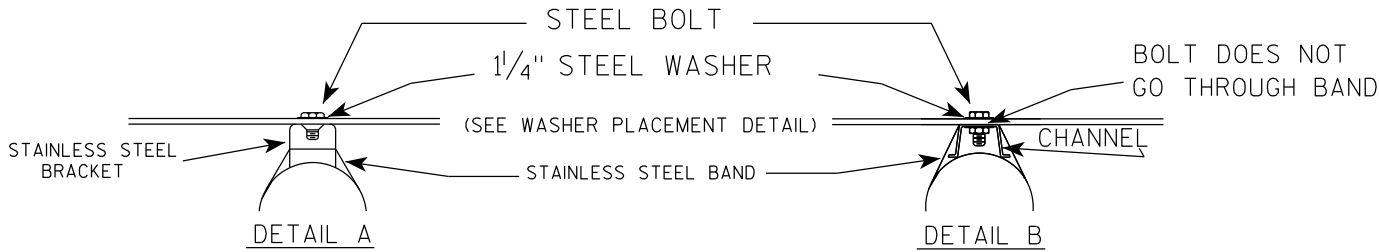
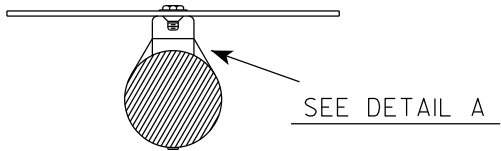
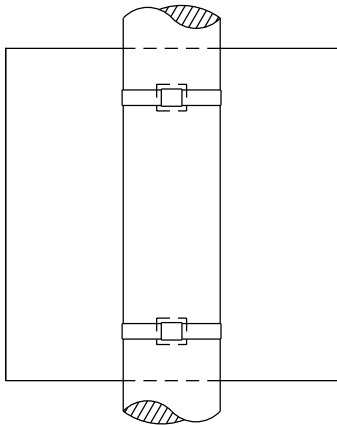
PROJECT NO:

SHEET NO:

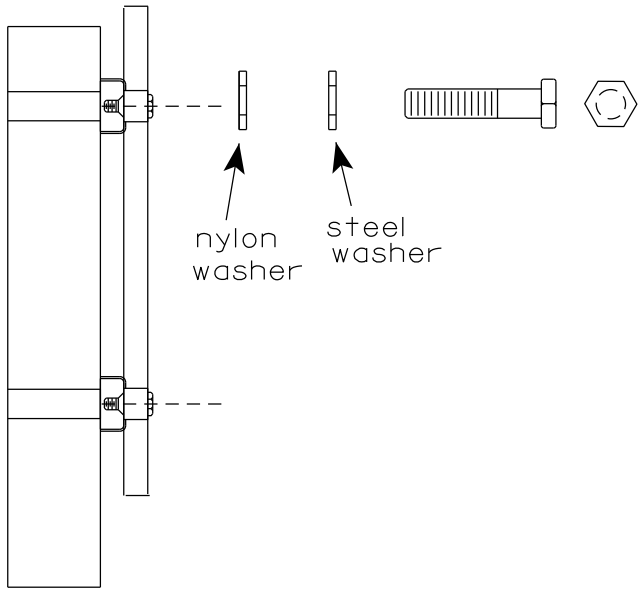
E

BANDING

SINGLE SIGN



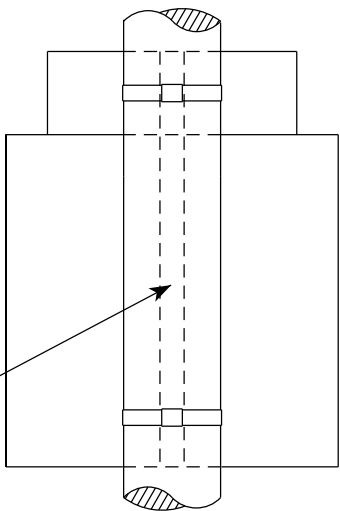
WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET

"J" ASSEMBLY



SEE DETAIL B

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 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

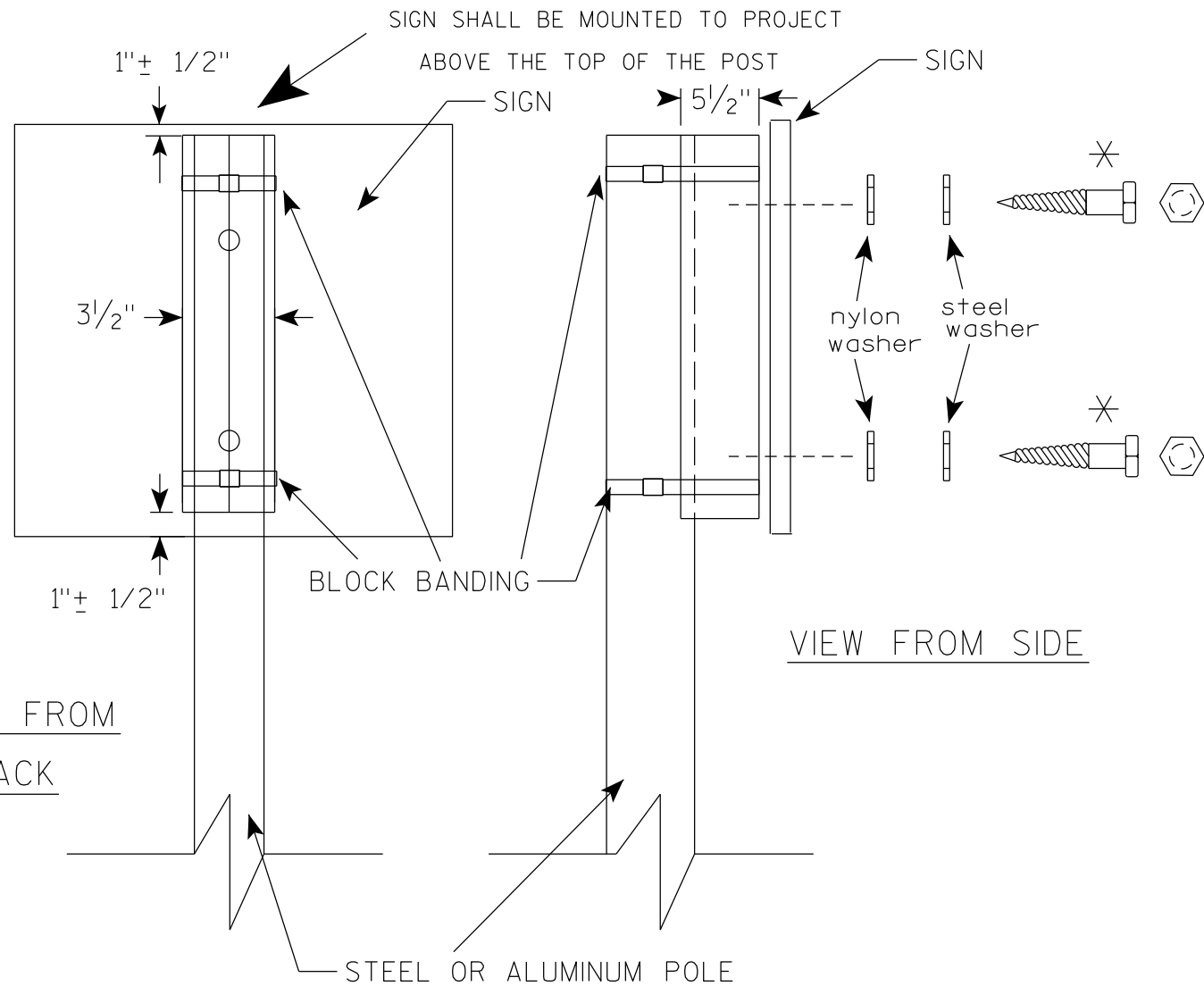
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

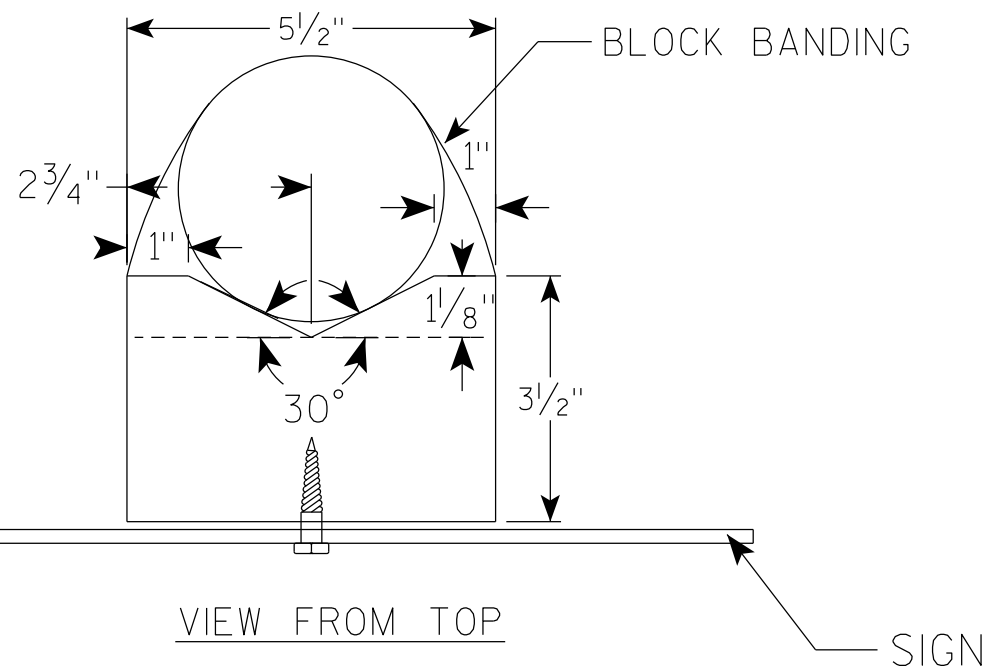
DATE 6/10/19 PLATE NO. A5-9.4

VIEW FROM
BACK



VIEW FROM SIDE

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

✱ LAG BOLTS SHALL BE $\frac{3}{8}$ " X $2\frac{1}{2}$ "

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

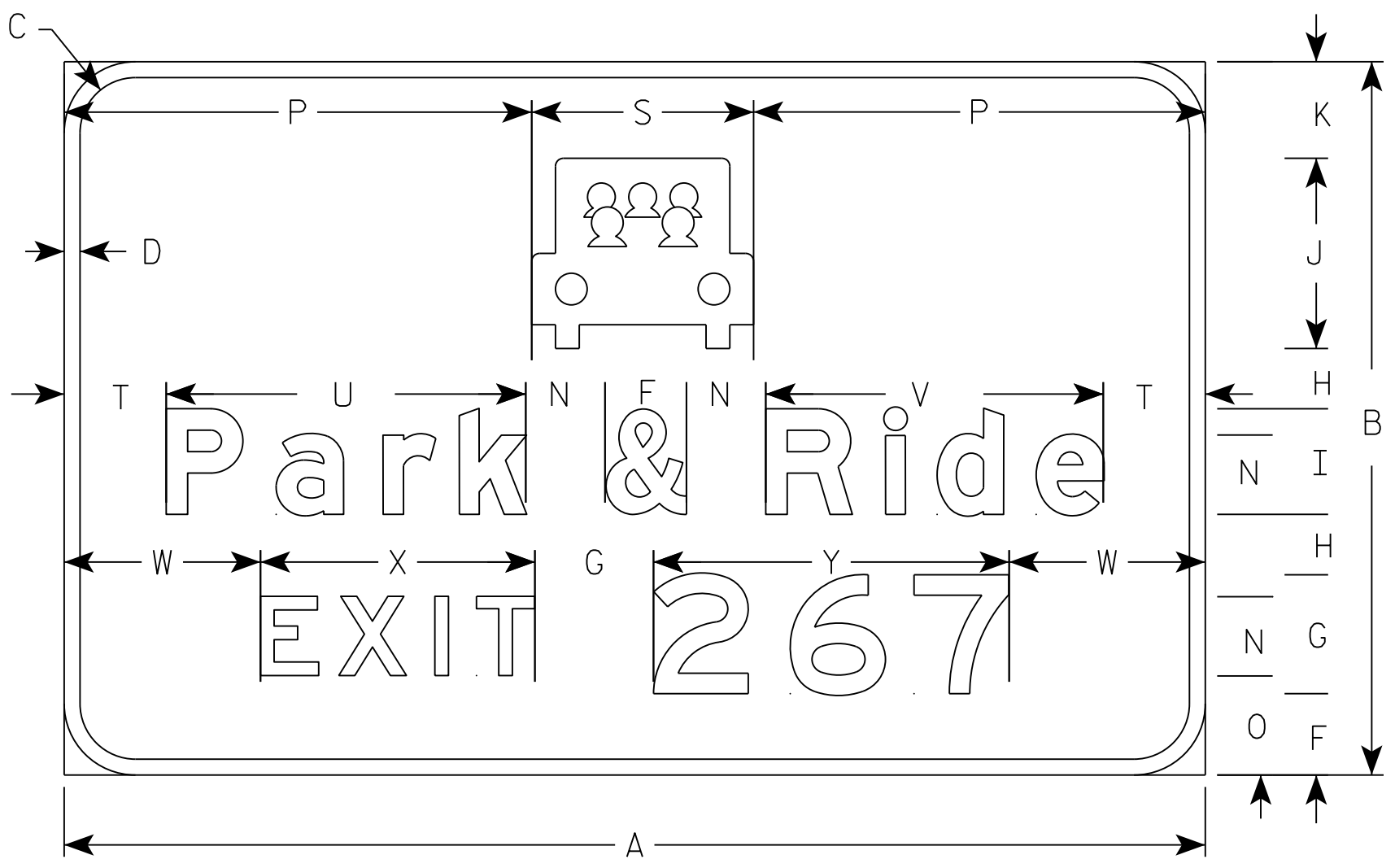
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO:

SHEET NO:

E



NOTES

- 1. Sign is Type I - Type SH Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - Series E Modified.

D4-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	144	90	9	2		10 1/4	15	7 5/8	13 7/8	24	12 1/4			10	12 1/2	58			28	12 7/8	45 3/8	42 5/8	24 3/4	34 5/8	44 7/8		90.0
5	144	90	9	2		10 1/4	15	7 5/8	13 7/8	24	12 1/4			10	12 1/2	58			28	12 7/8	45 3/8	42 5/8	24 3/4	34 5/8	44 7/8		90.0

STANDARD SIGN

D4-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

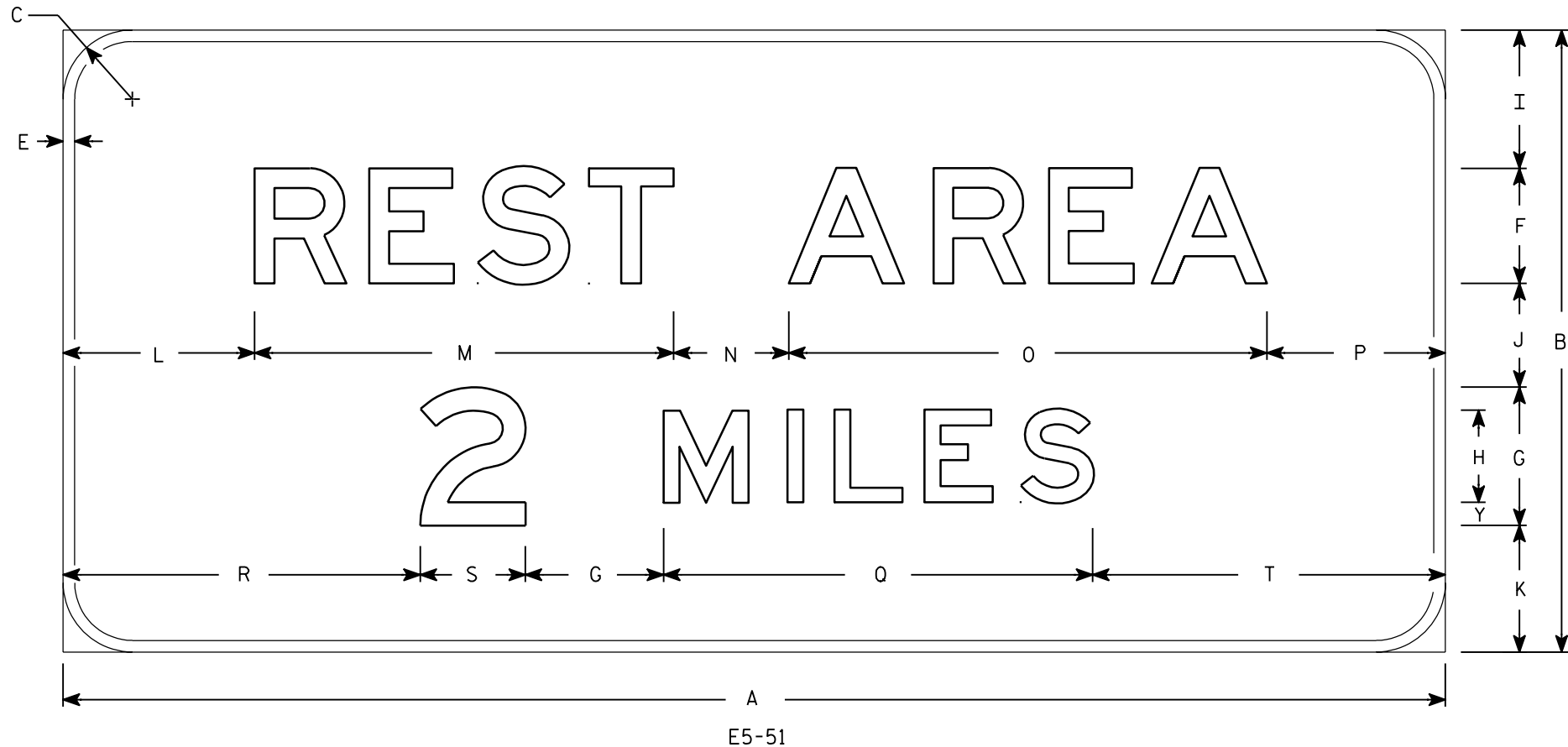
Matthew R. Rauch

for

State Traffic Engineer

DATE 3/14/17

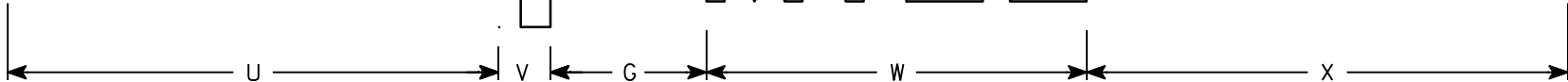
PLATE NO. D4-4.3



NOTES

- 1. Sign is Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
 - Background - Blue
 - Message - White
- 3. Message Series - E
- 4. Substitute appropriate numeral and adjust spacing to achieve proper balance.

1 MILE



Metric equivalent
for this sign is:

SIZE	
1	
2	
3	
4	3000 mm X 1350 mm
5	3600 mm X 1500 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1																												
2																												
3																												
4	120	54	6		1	10	12	8	12	9	11	16 5⁄8	36 3⁄8	10	41 1⁄2	15 1⁄2	37 1⁄4	31	9 1⁄8	30 5⁄8	37 3⁄4	4	29 1⁄4	37	2		45.0	4.05
5	144	60	6		2	12	15	10	12	10	11	19 3⁄4	44 3⁄4	12	49 1⁄2	18	46 1⁄4	36	11	35 3⁄4	44	4 7⁄8	36 1⁄4	43 7⁄8	2 1⁄2		60.0	5.40

STANDARD SIGN
E5-51

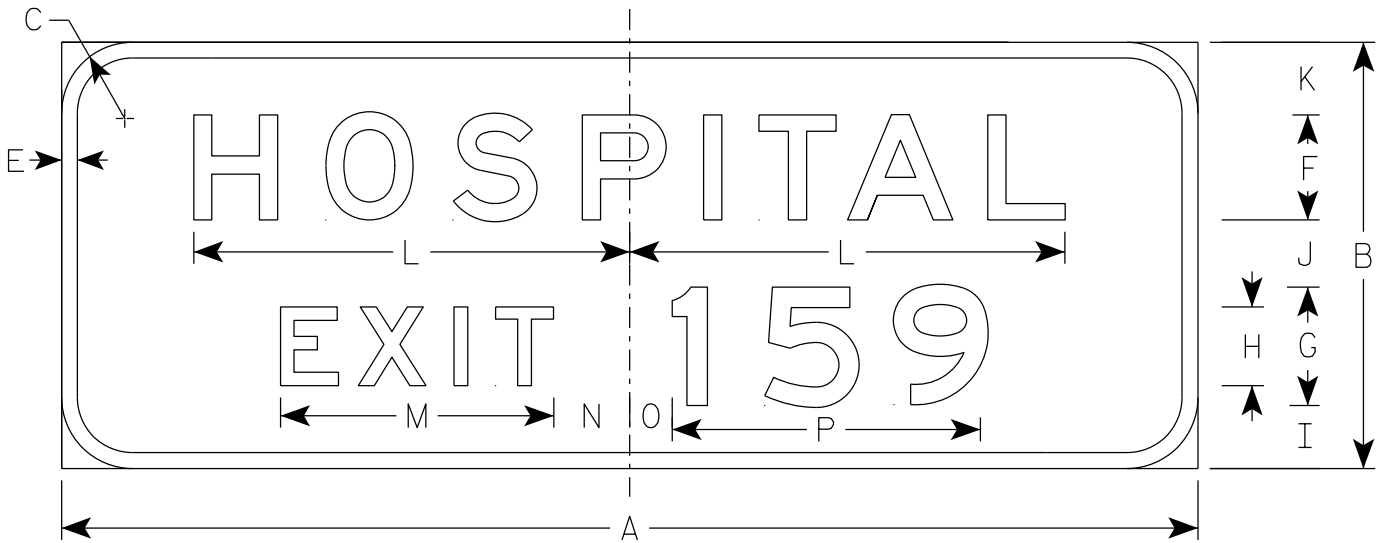
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/8/08 PLATE NO. E5-51.8

NOTES

- 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.



E10-61

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	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 / ₄	34 ⁵ / ₈	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 / ₄	34 ⁵ / ₈	9 ⁵ / ₈	5 ³ / ₈	39											54.0

TYPICAL SIGNS

E10-61

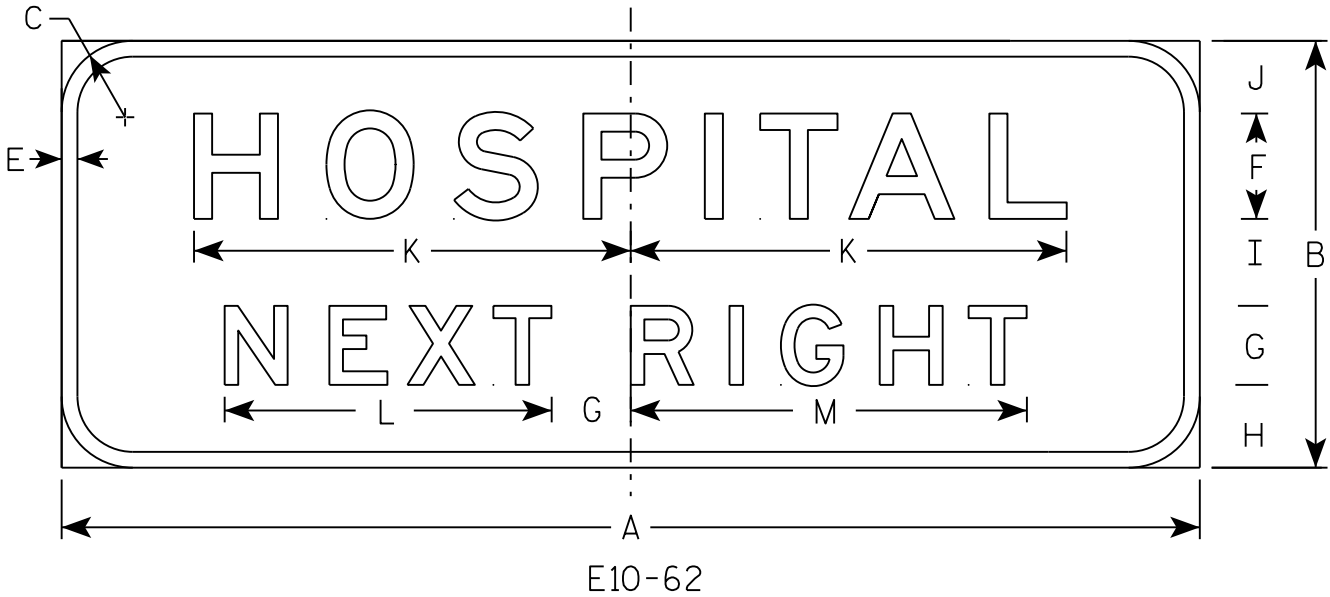
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

NOTES

- 1. Sign is Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Blue
Message - White
- 3. Message Series - E



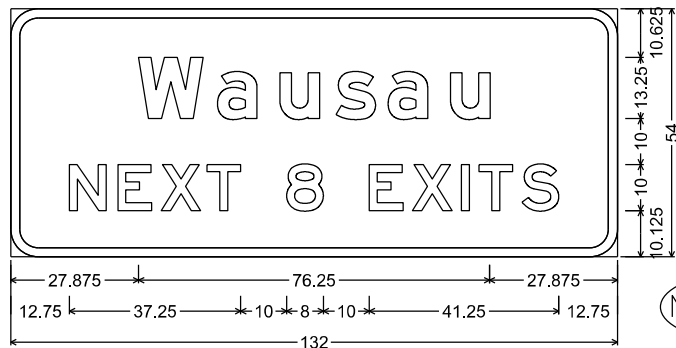
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	144	54	9		2	13 3⁄8	10	10 1⁄2	11	9 1⁄4	55 1⁄4	41 3⁄8	50 1⁄8														54
5	144	54	9		2	13 3⁄8	10	10 1⁄2	11	9 1⁄4	55 1⁄4	41 3⁄8	50 1⁄8														54

TYPICAL SIGNS
E10-62

WISCONSIN DEPT OF TRANSPORTATION

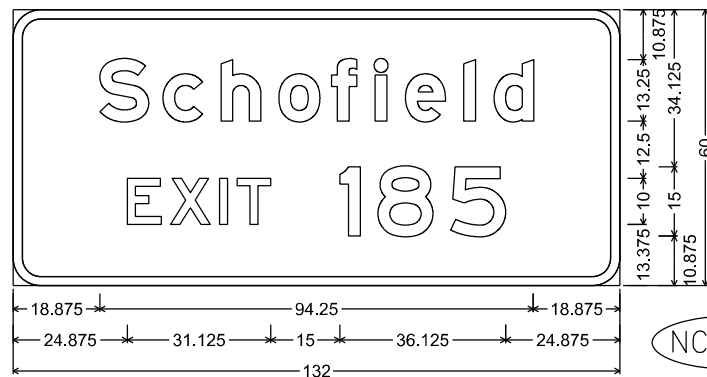
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 9/24/15 PLATE NO. E10-62.3



E9-1; 6.000" Radius, 2.000" Border

NC-39-1



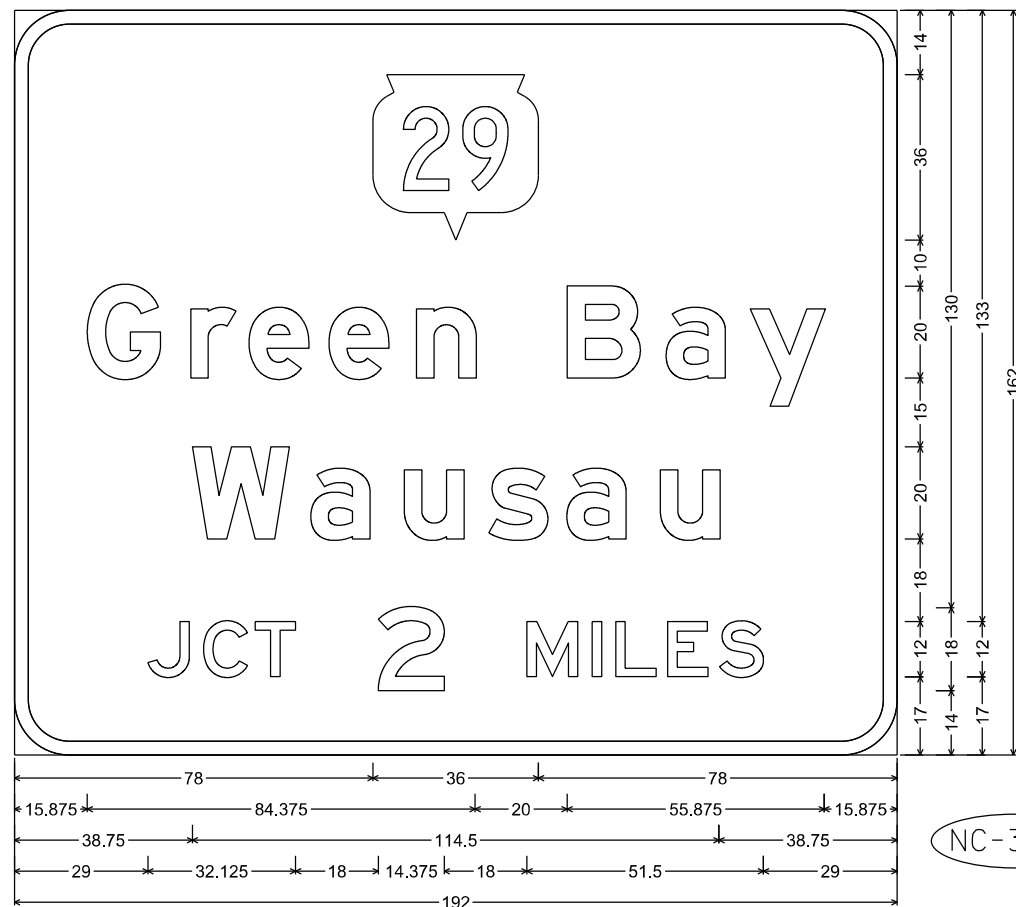
E3-1; 6.000" Radius, 2.000" Border

NC-39-3

NC-39-8

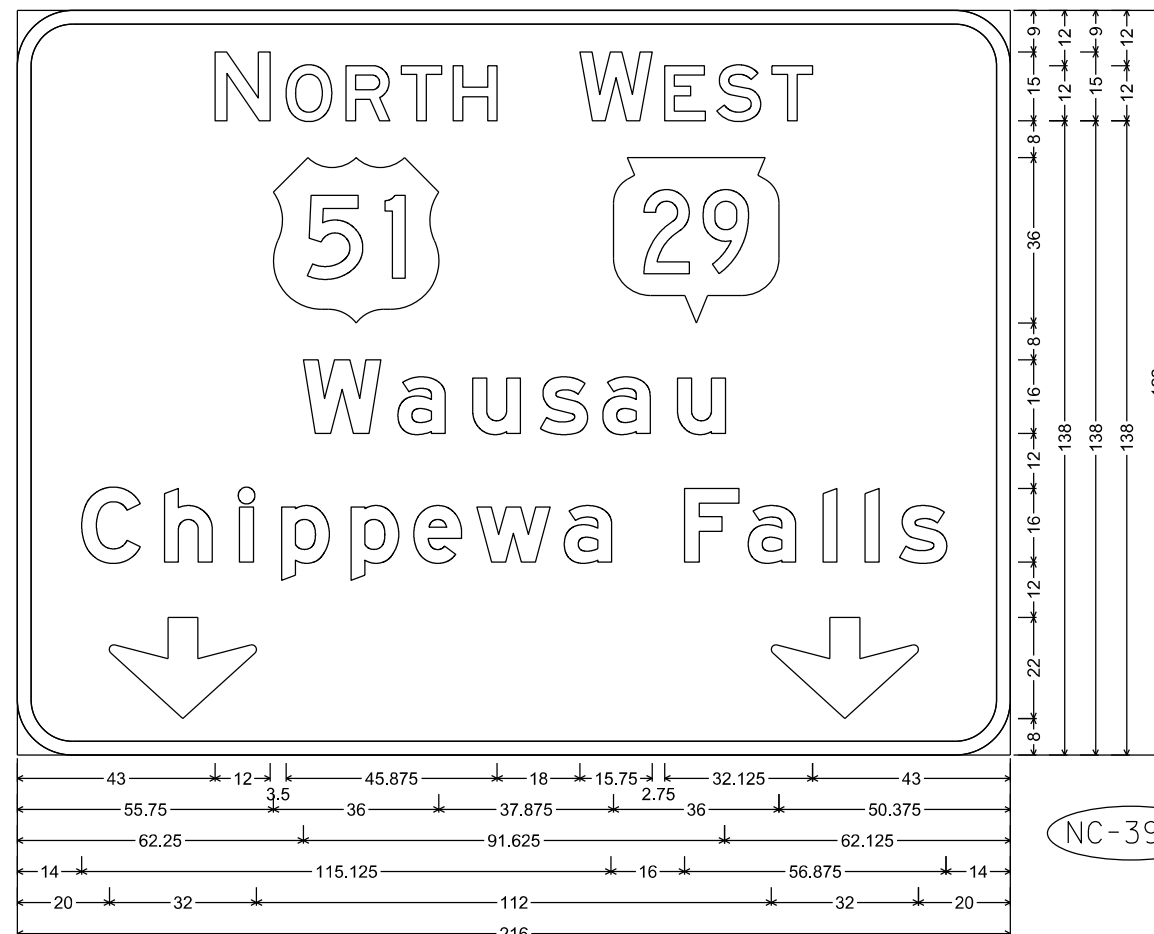
NOTES

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



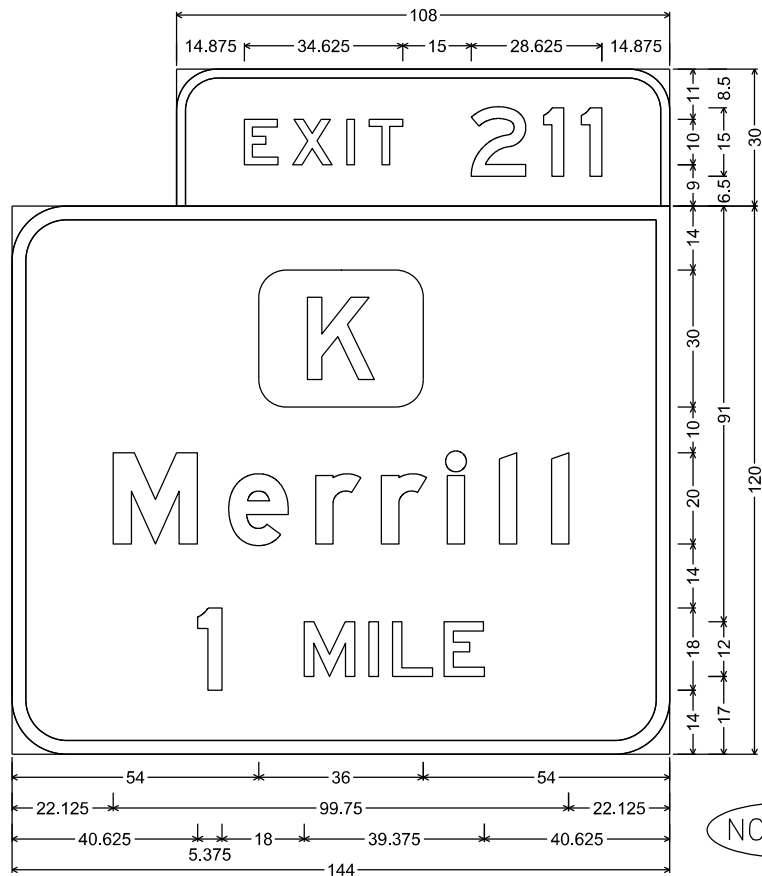
E1-1A; 12.000" Radius, 3.000" Border

NC-39-4



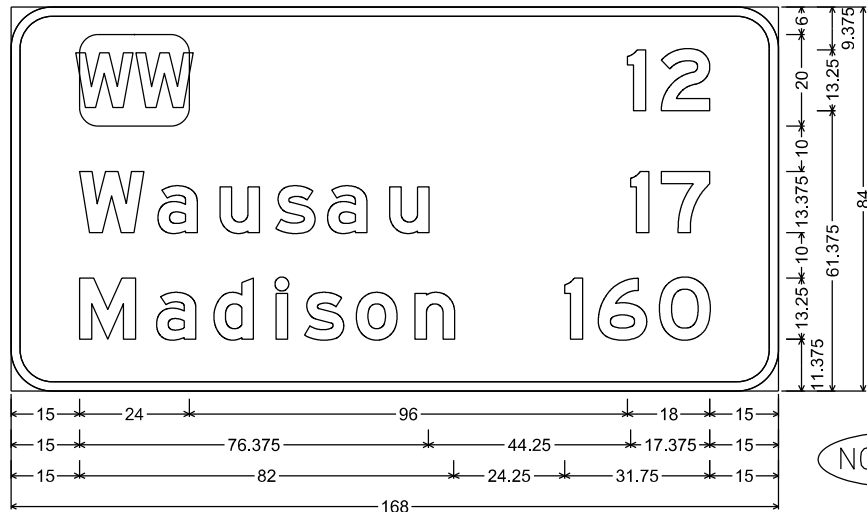
E6-51; 12.000" Radius, 3.000" Border

NC-39-6



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

NC-51-6

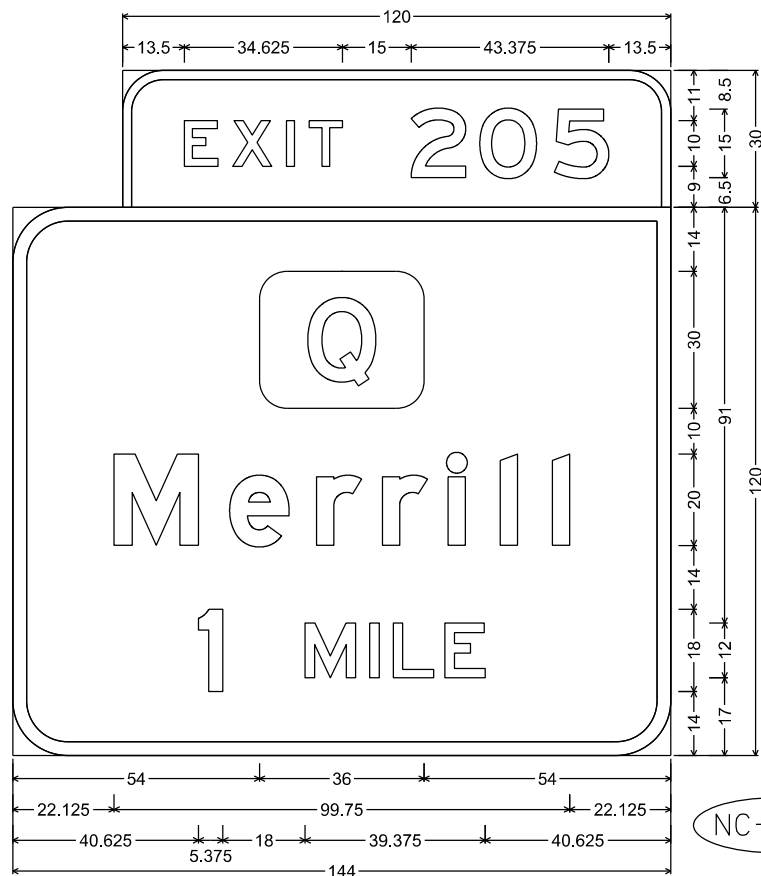


D2-3; 9.000" Radius, 2.000" Border

NC-51-12

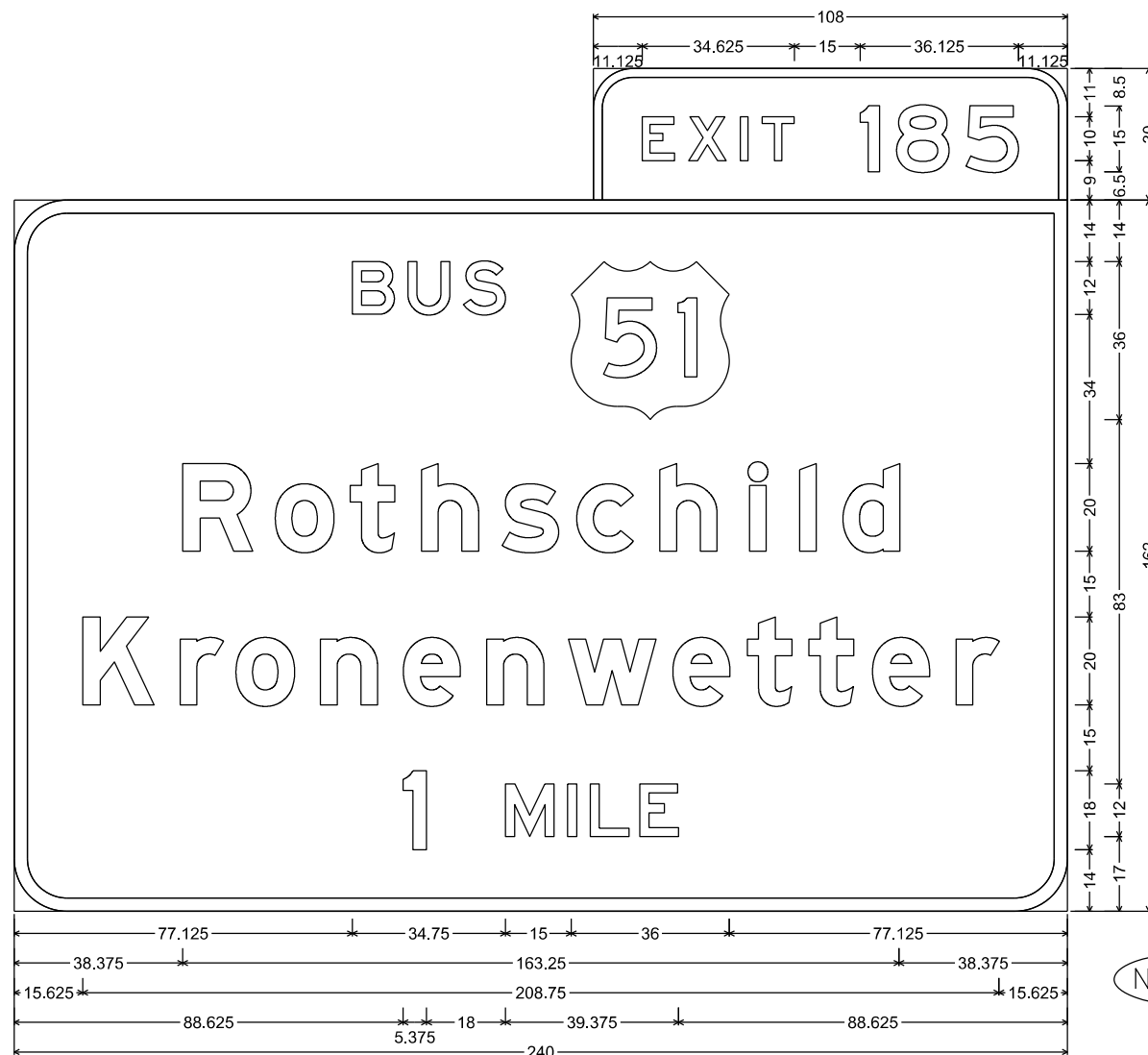
NOTES

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



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

NC-51-13



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

NC-39-2

PROJECT NO: 1000-20-78

HWY: VARIOUS

COUNTY: VARIOUS

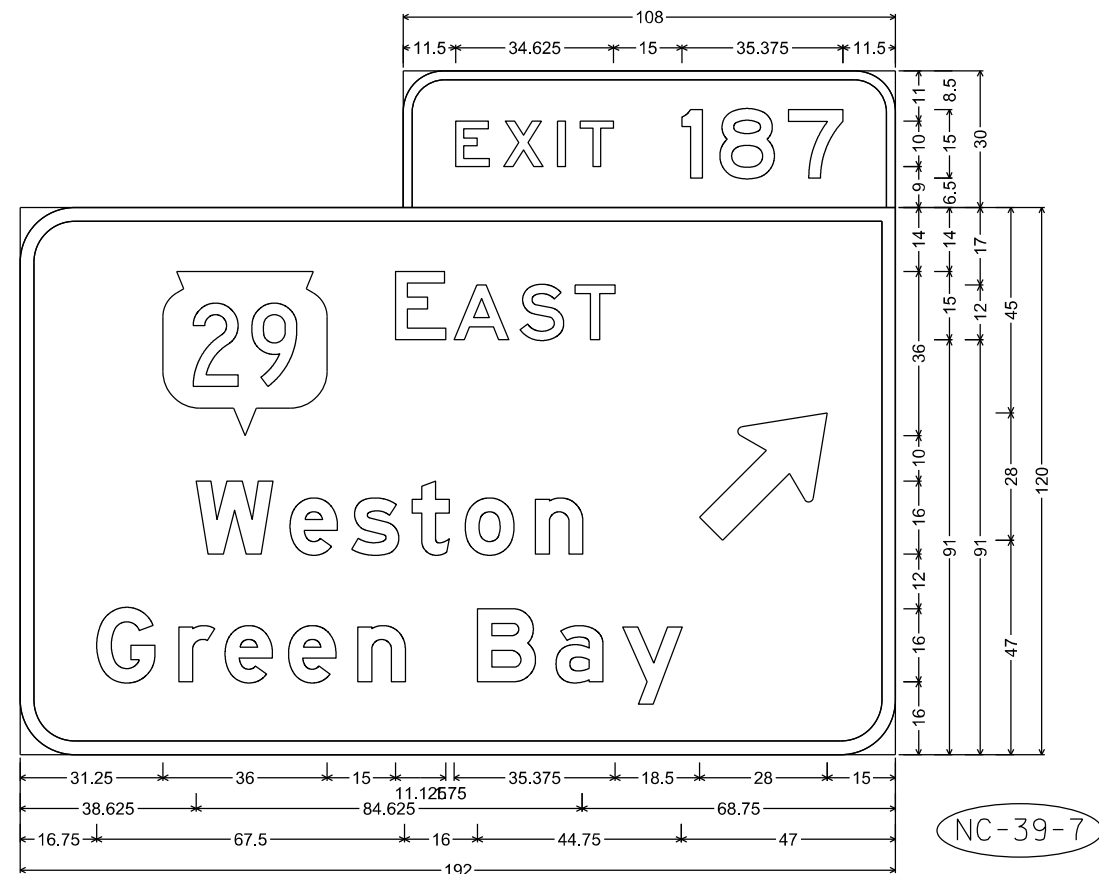
PERMANENT SIGNING

SHEET NO:

E

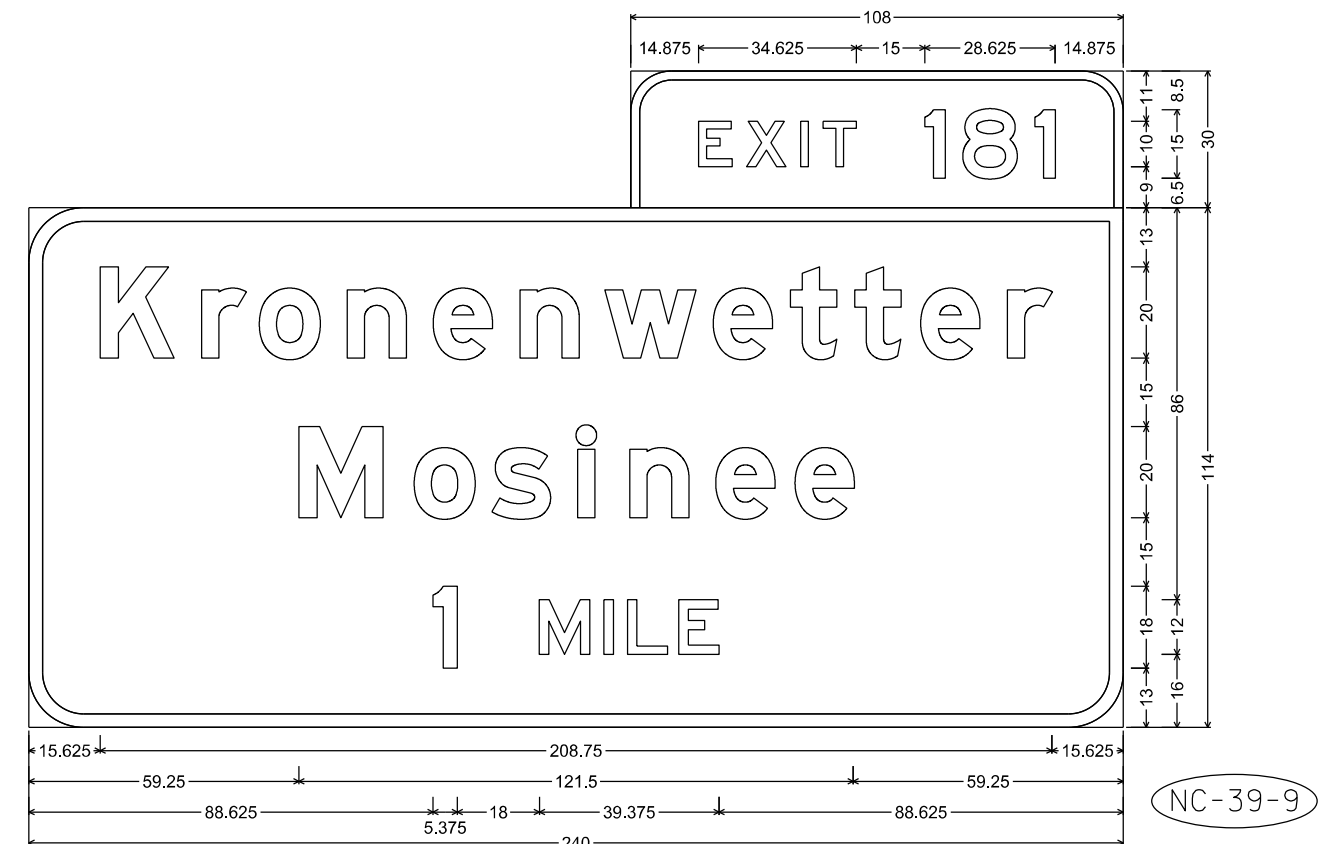
NOTES

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



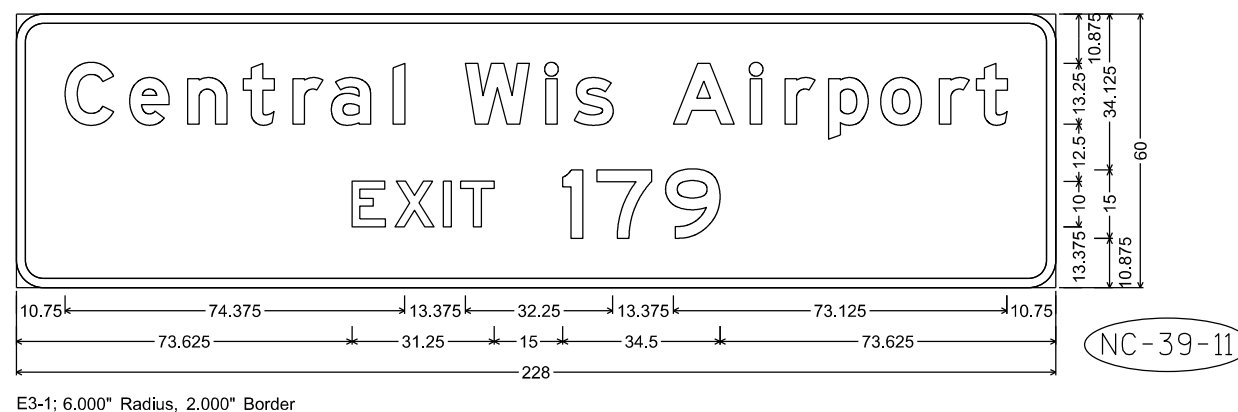
E1-5P; 9.000" Radius, 2.000" Border
E6-1; 12.000" Radius, 3.000" Border

NC-39-7



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

NC-39-9

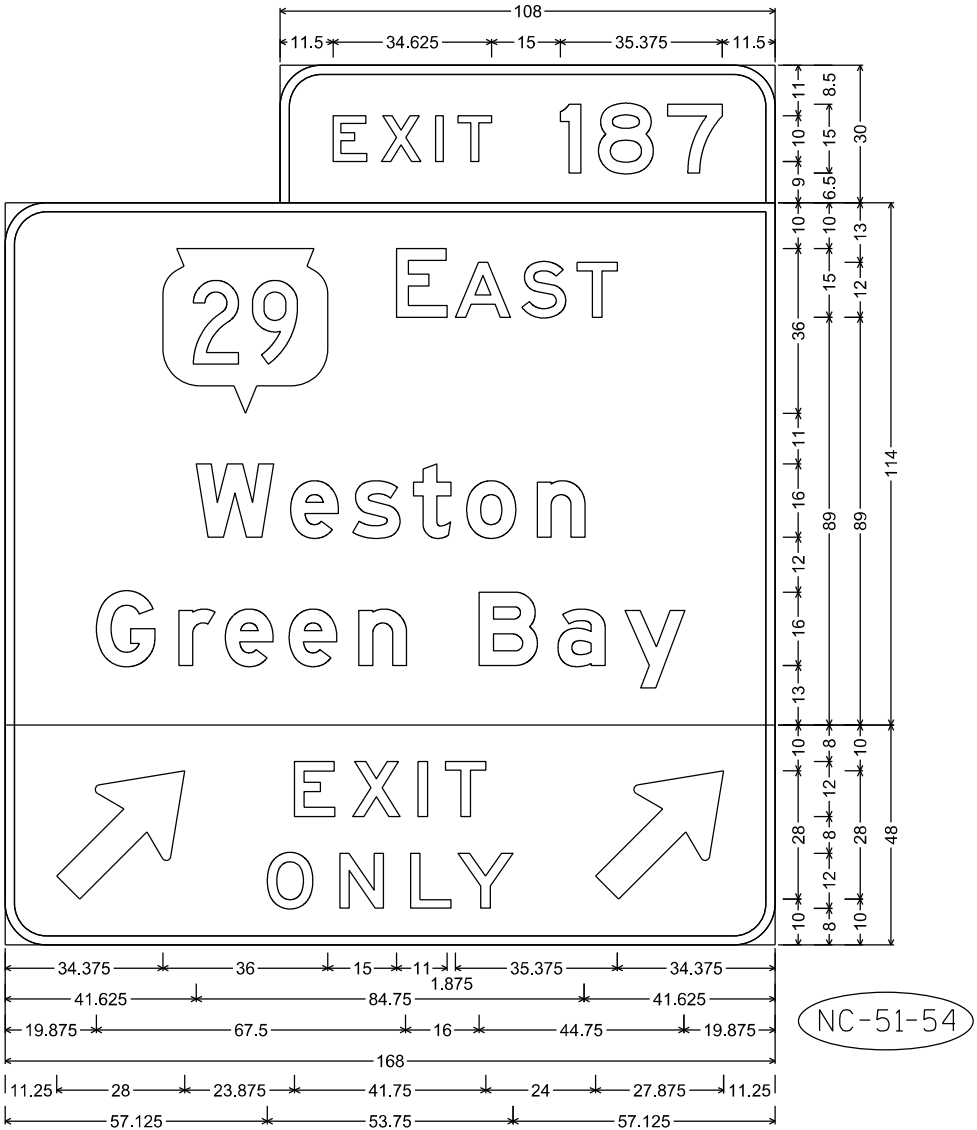


E3-1; 6.000" Radius, 2.000" Border

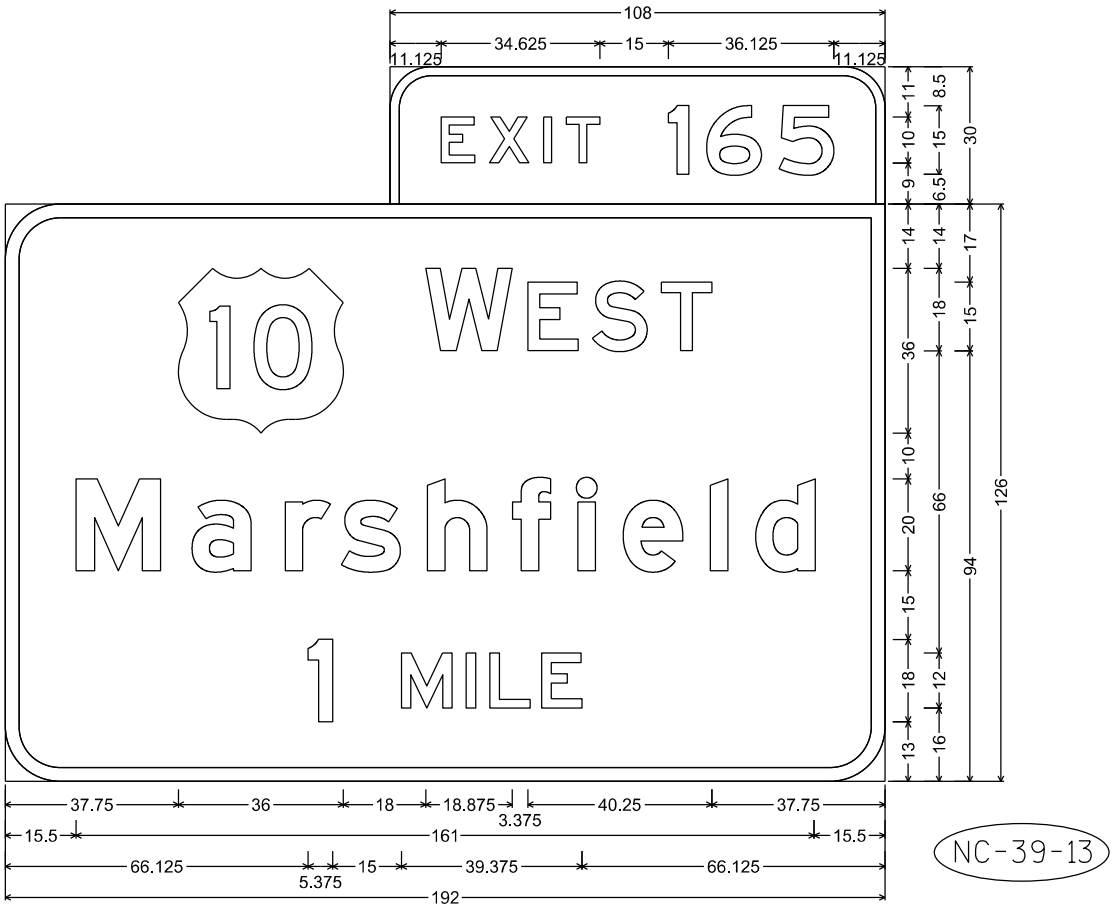
NC-39-11

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

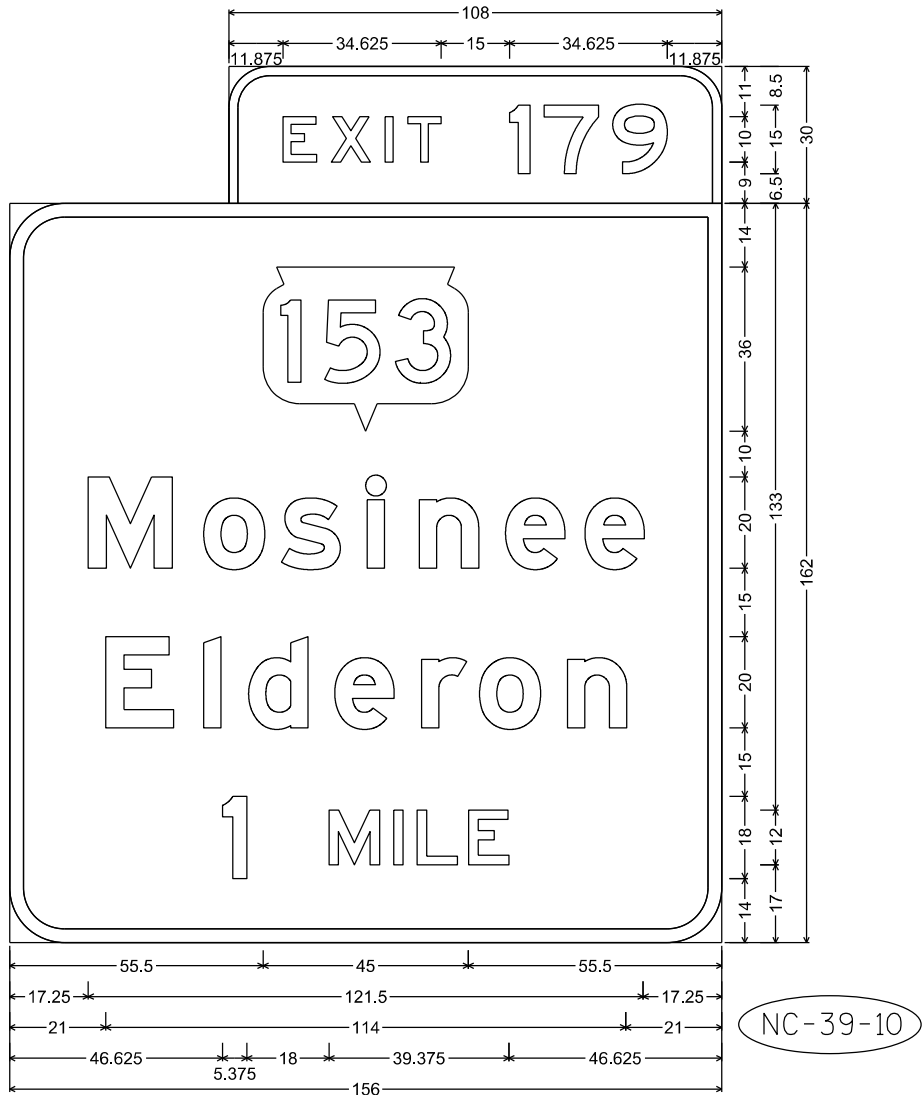


E1-5P; 9.000" Radius, 2.000" Border
E6-1; 9.000" Radius, 2.000" Border
E11-1E; 9.000" Radius, 2.000" Border, Black on, Yellow



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

7



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

PROJECT NO:1000-20-78

HWY: VARIOUS

COUNTY: VARIOUS

PERMANENT SIGNING

SHEET NO:

E

FILE NAME : C:\CAEfiles\Projects\tr_d4\TYPE1NC2021.dgn

PLOT DATE : 22-SEPT-2020 1:22

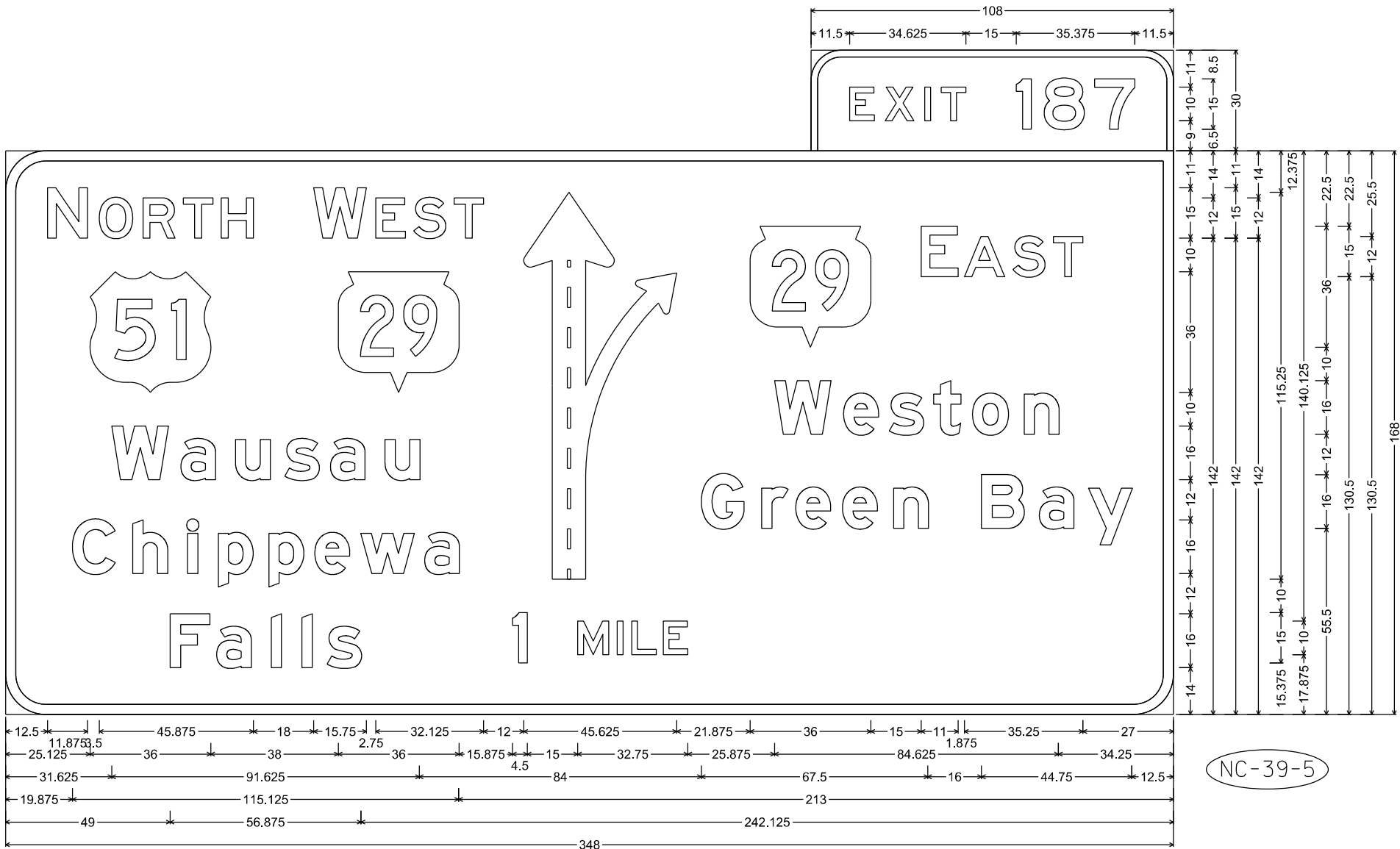
PLOT BY : dotc4c

PLOT NAME :

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

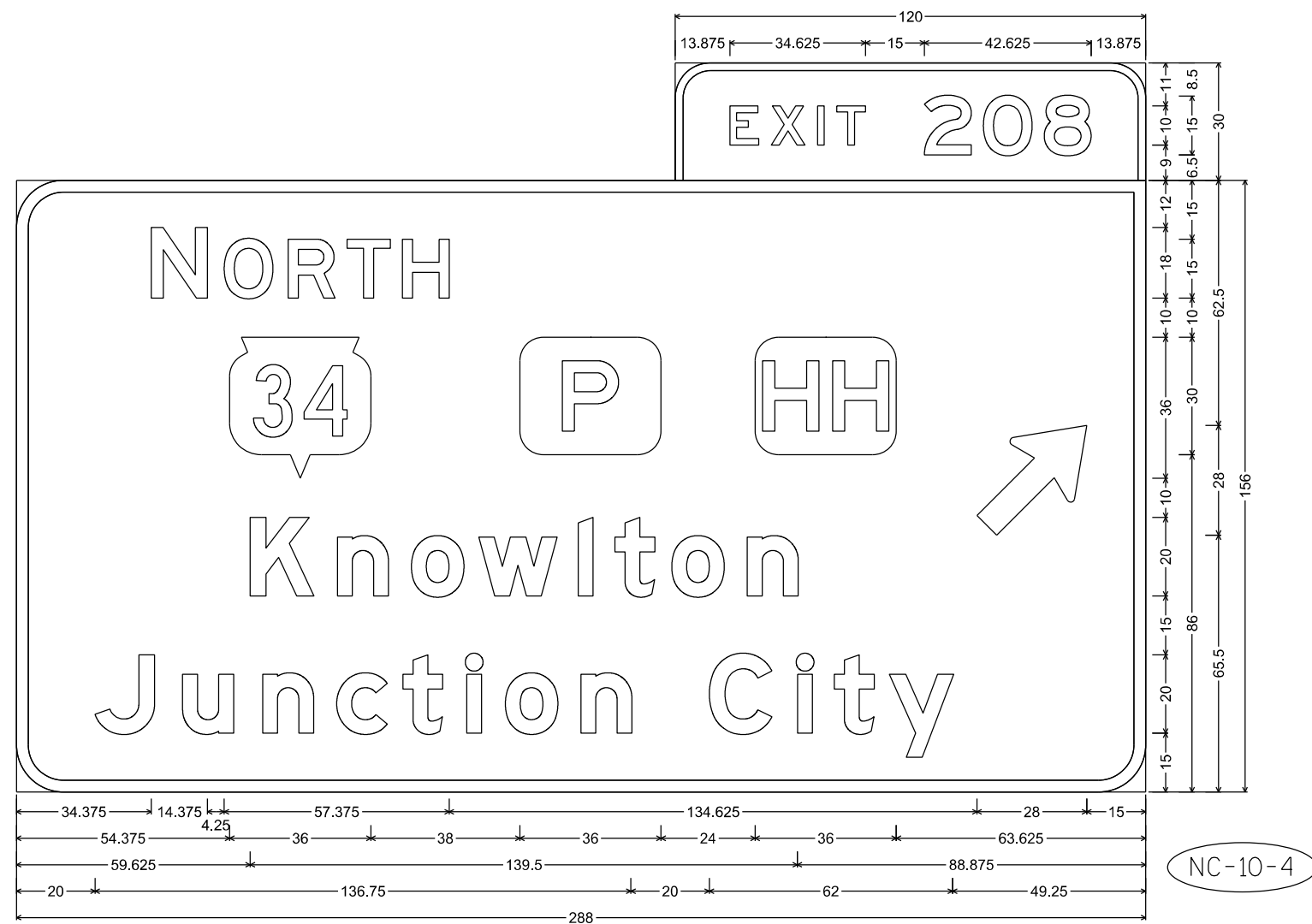
NOTES

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

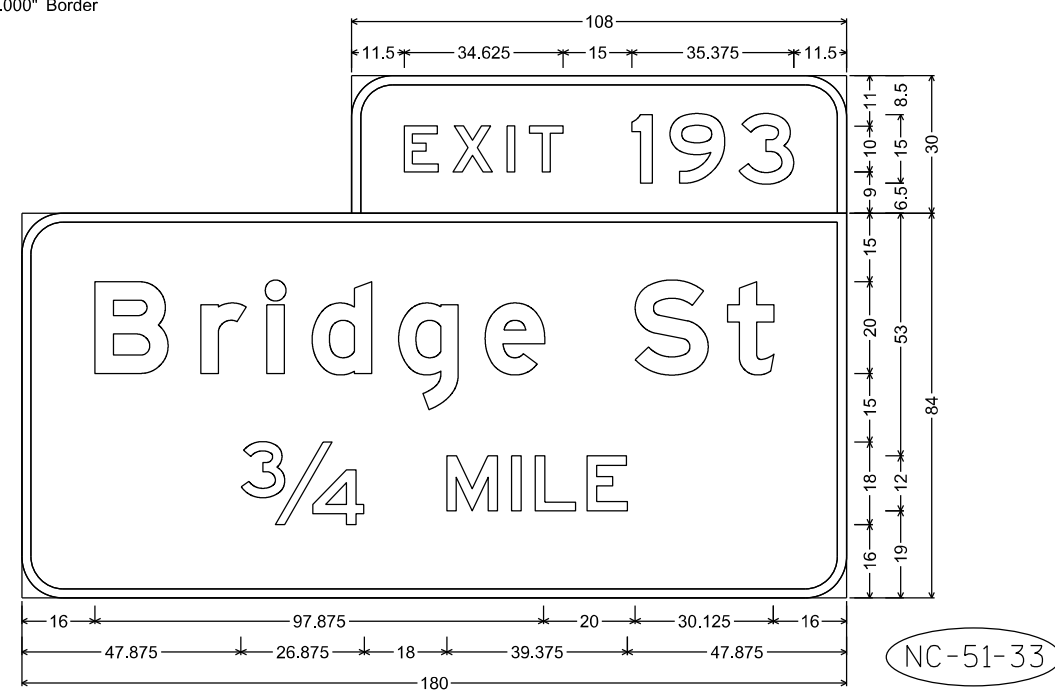


E1-5P; 9.000" Radius, 2.000" Border
12.000" Radius, 3.000" Border

7



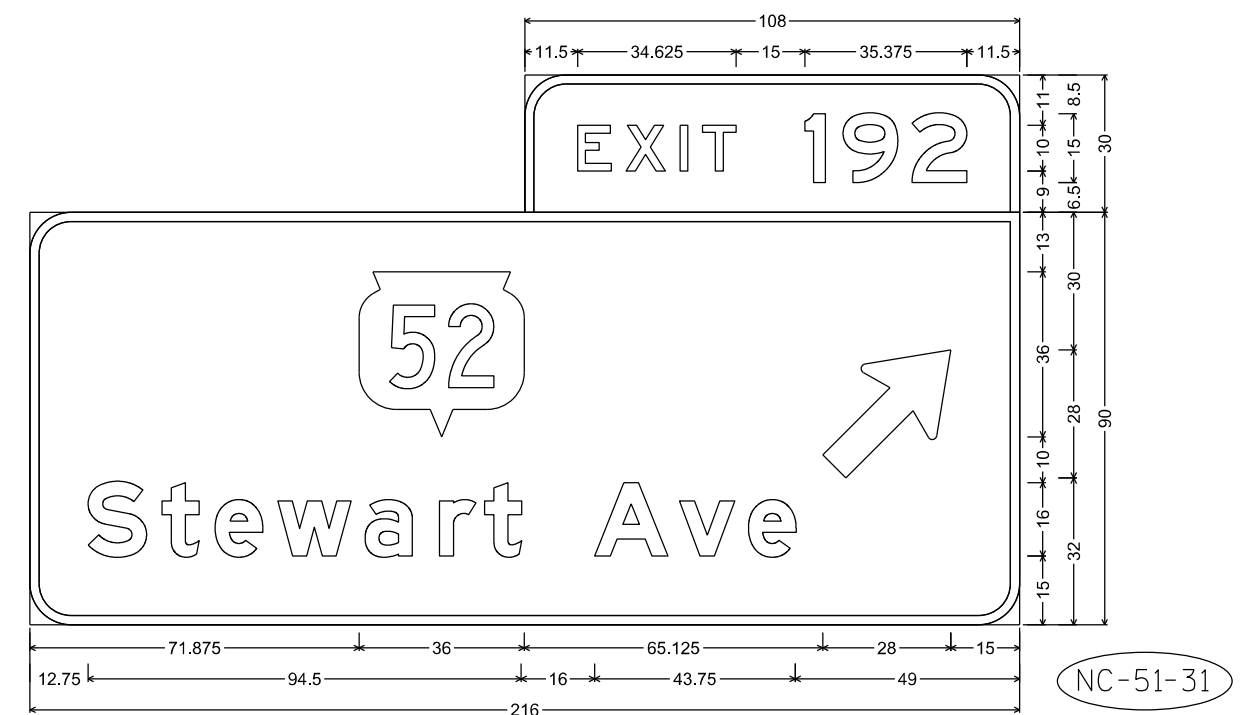
E1-5P; 9.000" Radius, 2.000" Border
E4-1A; 12.000" Radius, 3.000" Border



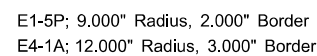
E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 9.000" Radius, 2.000" Border

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



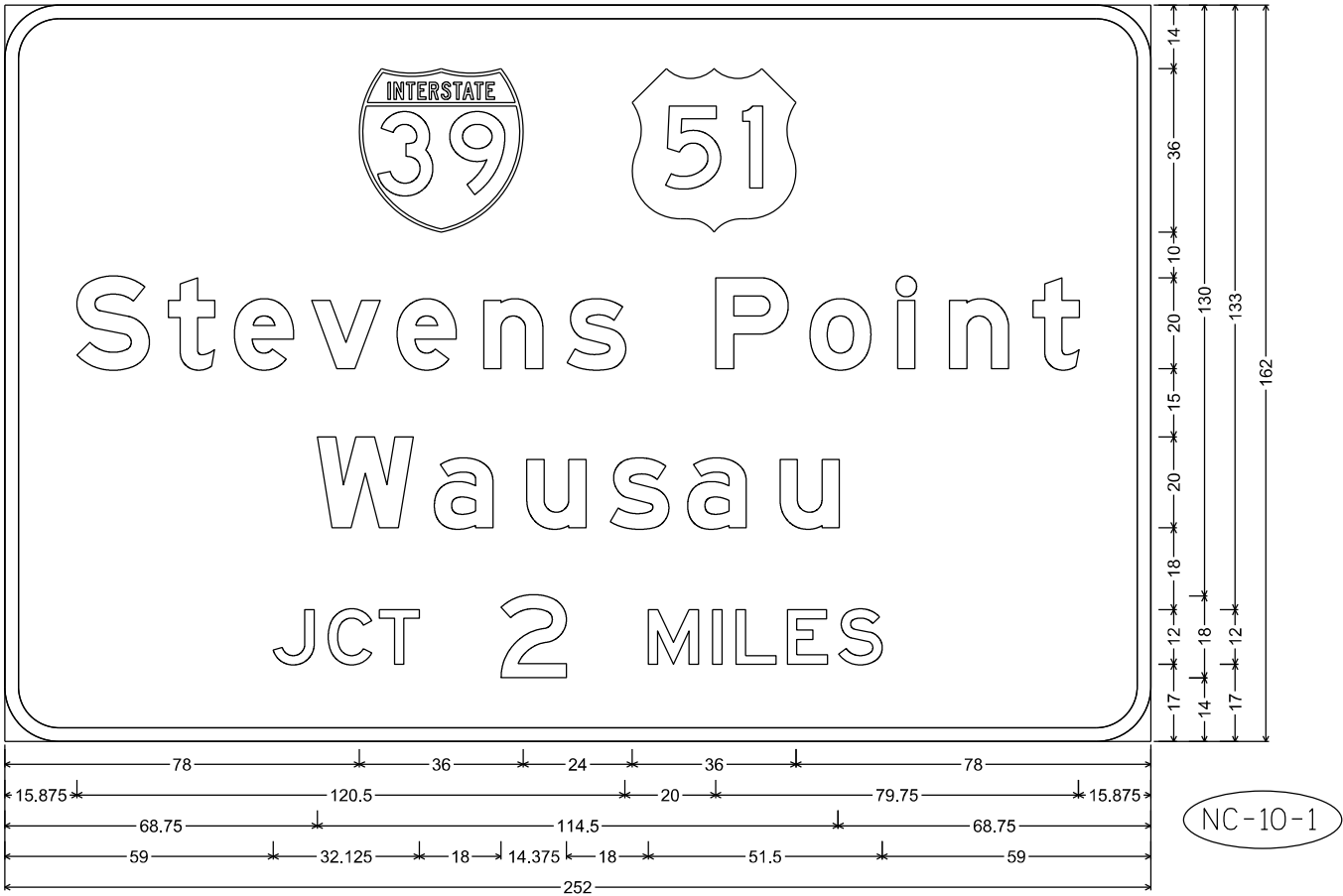
E1-5P; 9.000" Radius, 2.000" Border
E6-1; 9.000" Radius, 2.000" Border



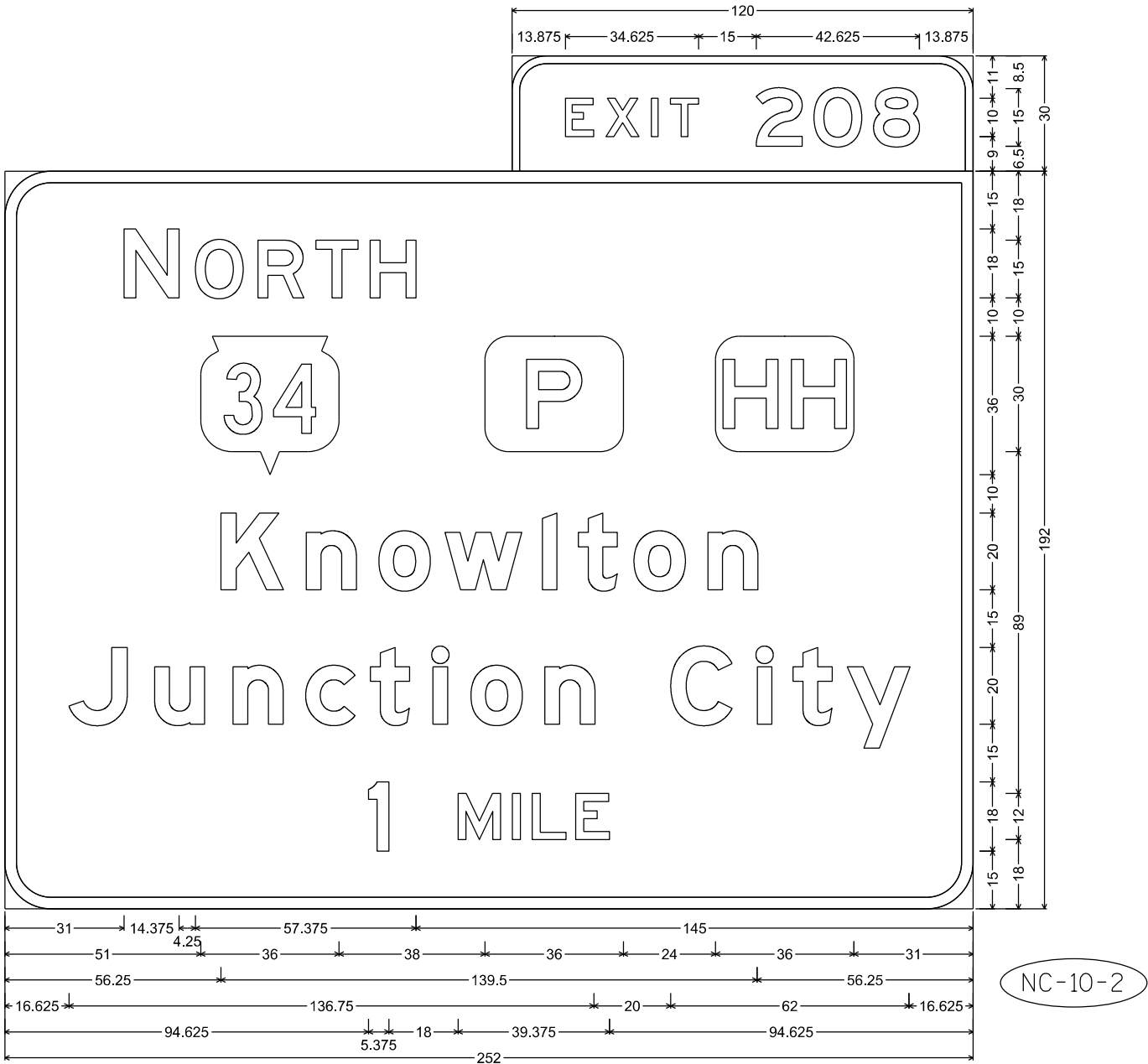
1. All Signs Type I - Type SH Reflective
2. Color:
 - Background - Green
 - Message - White
3. Message Series - E Modified except all CAP words Series E

NOTES

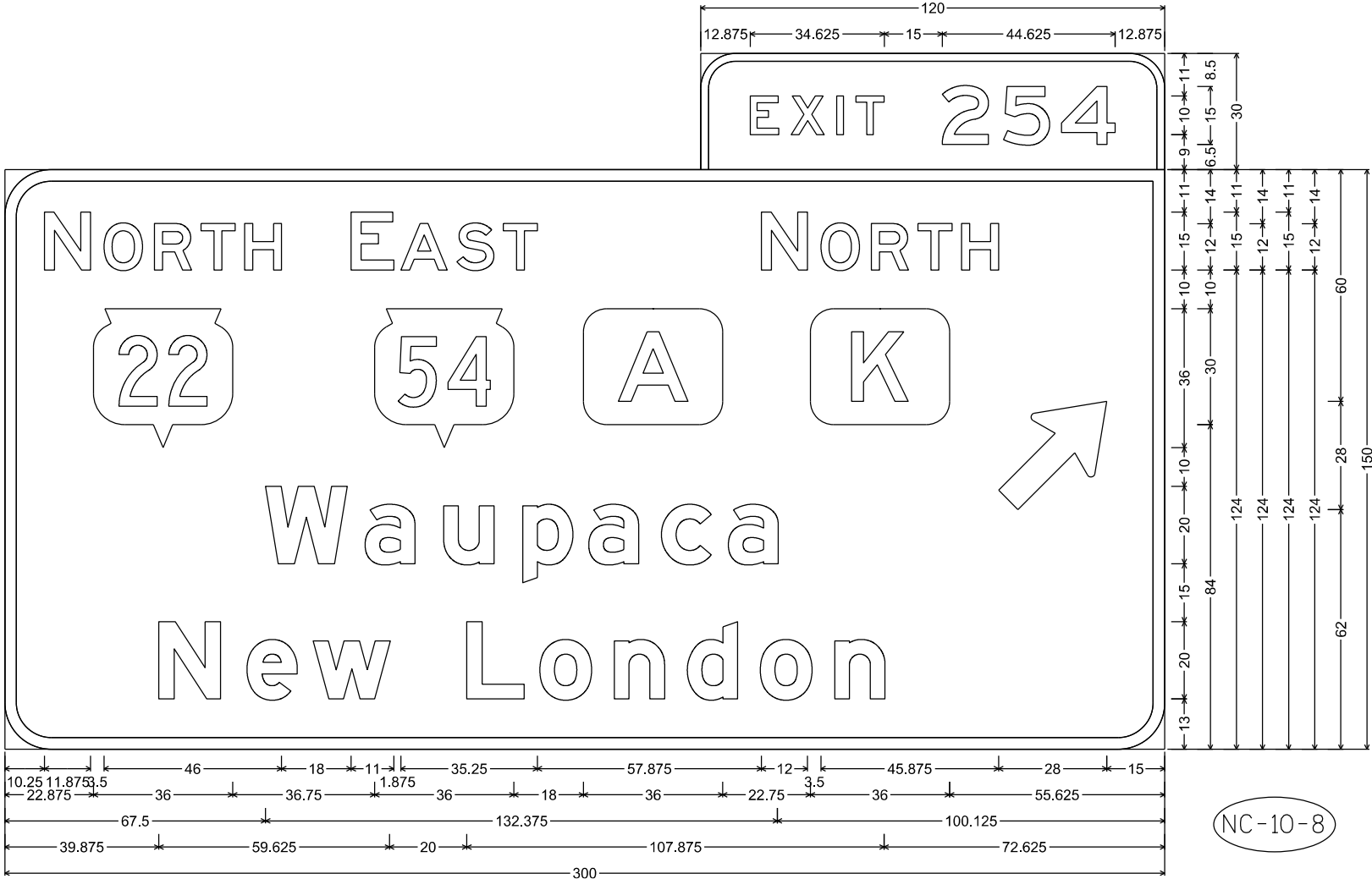
- 1. All Signs Type I - Type SH Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E Modified except all CAP words Series E



E1-1A; 12.000" Radius, 3.000" Border



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

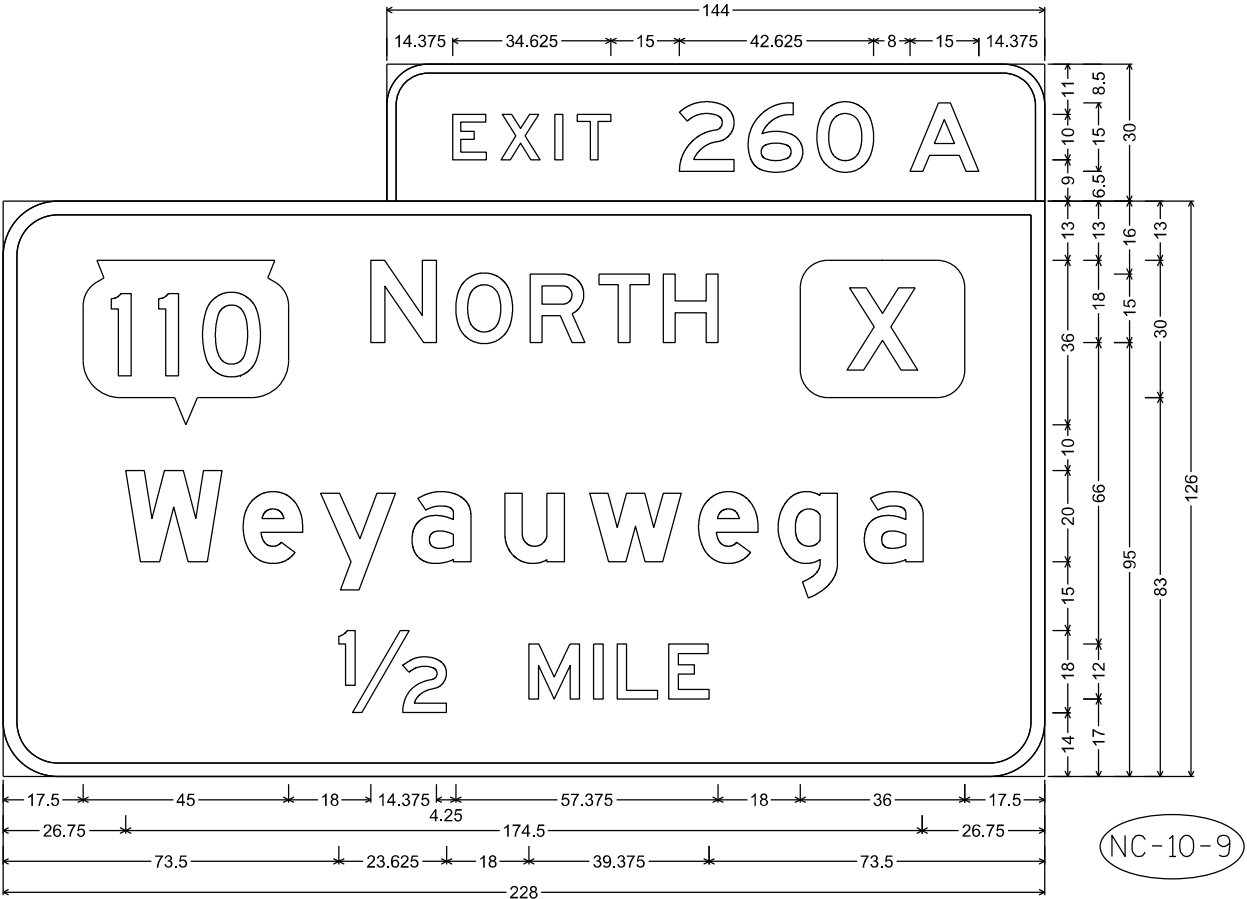


E1-5P; 9.000" Radius, 2.000" Border
E4-1A; 12.000" Radius, 3.000" Border

NC-10-8

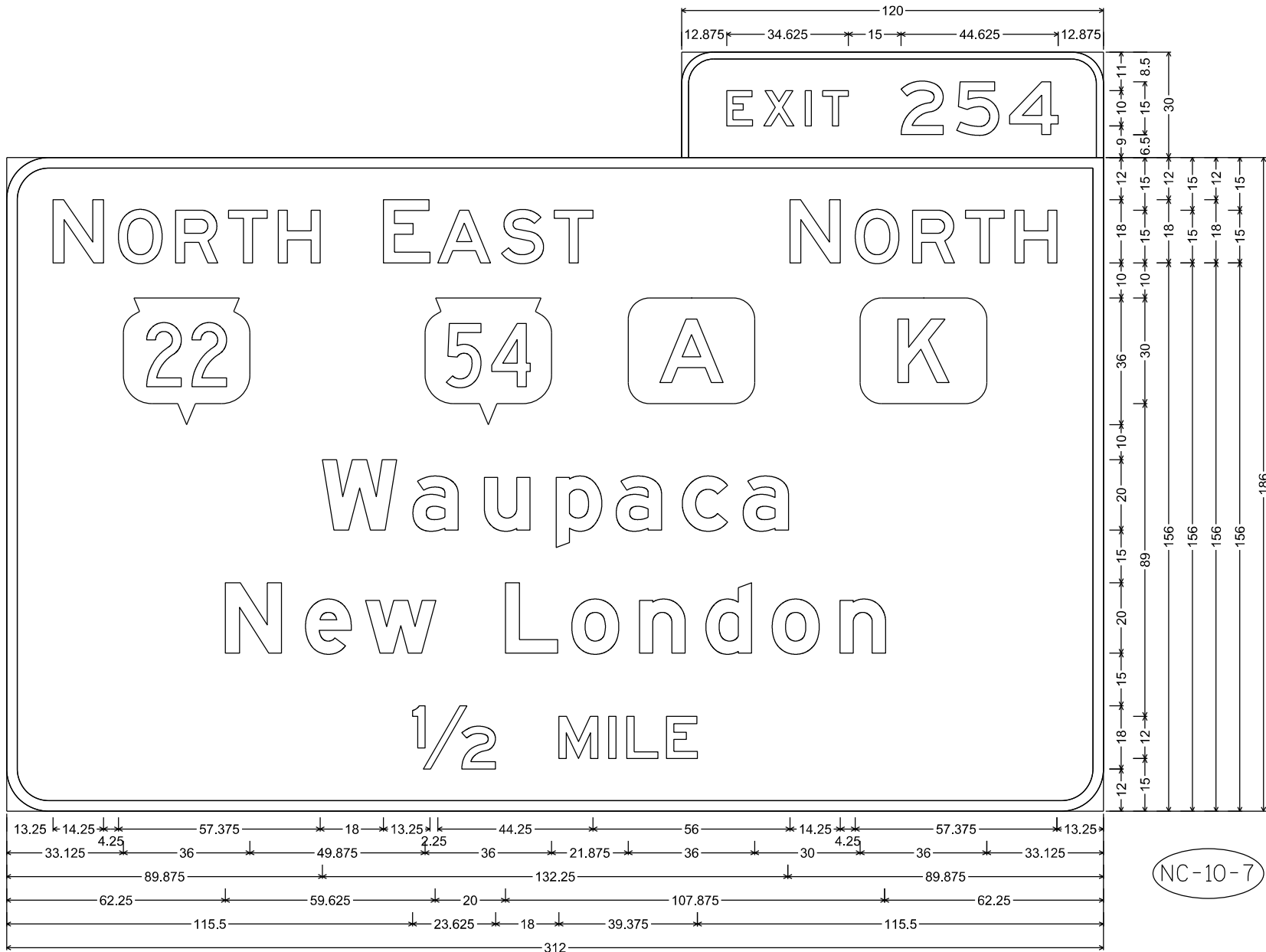
NOTES

- 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



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

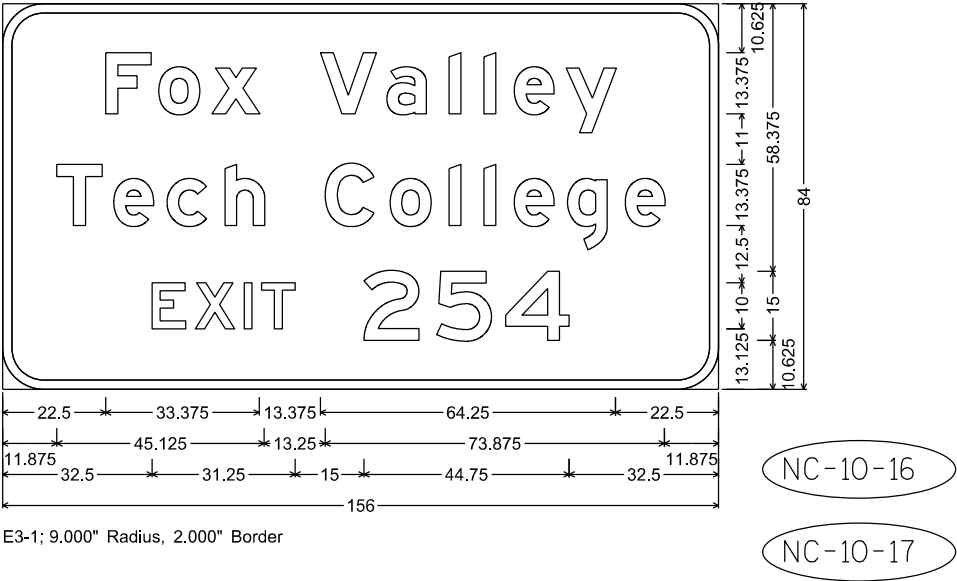
NC-10-9

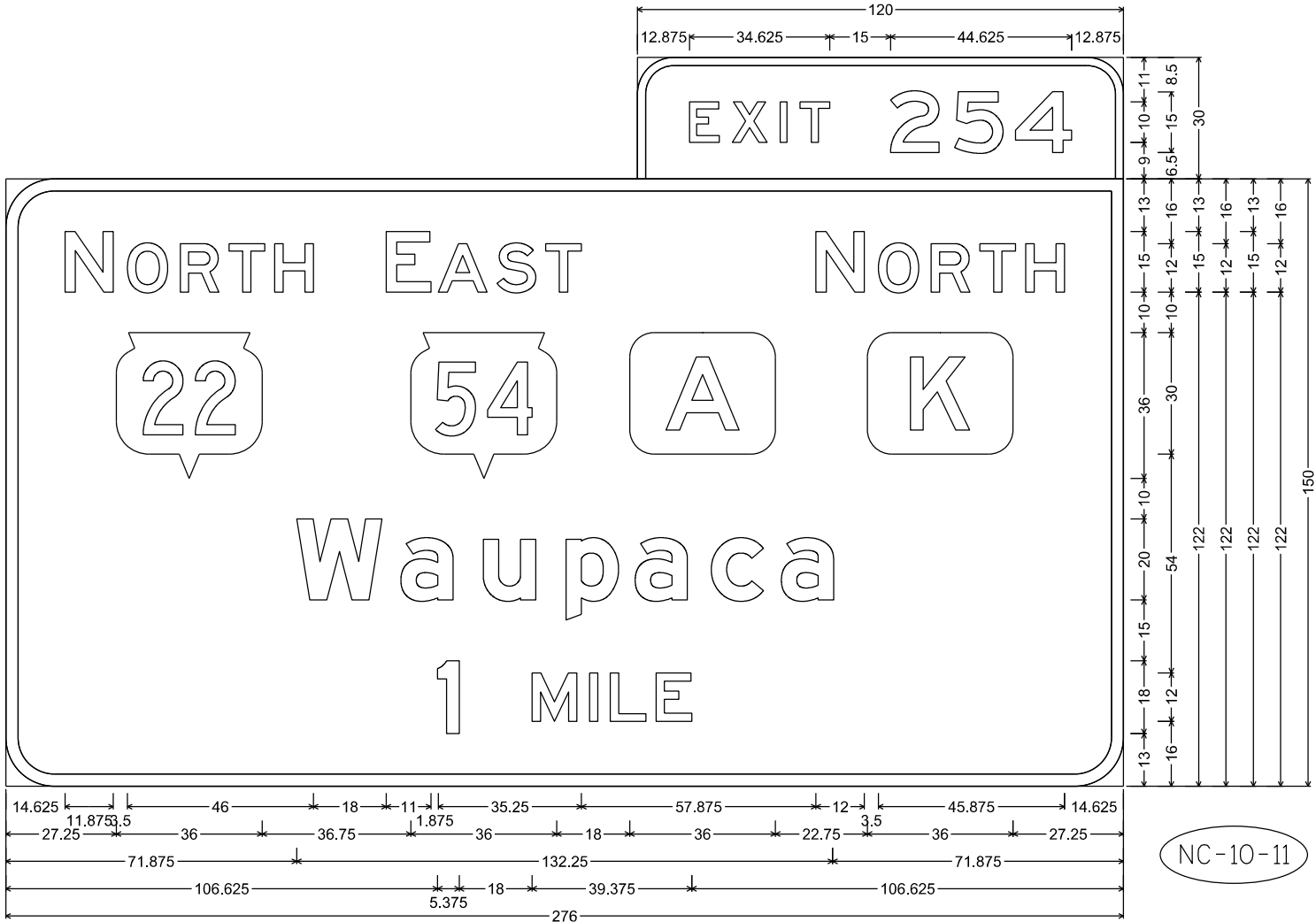


E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 12.000" Radius, 3.000" Border

NOTES

- 1. All Signs Type I - Type SH Reflective
- 2. Color:
Background - Green except as noted
Message - White
- 3. Message Series - E Modified except all CAP words Series E



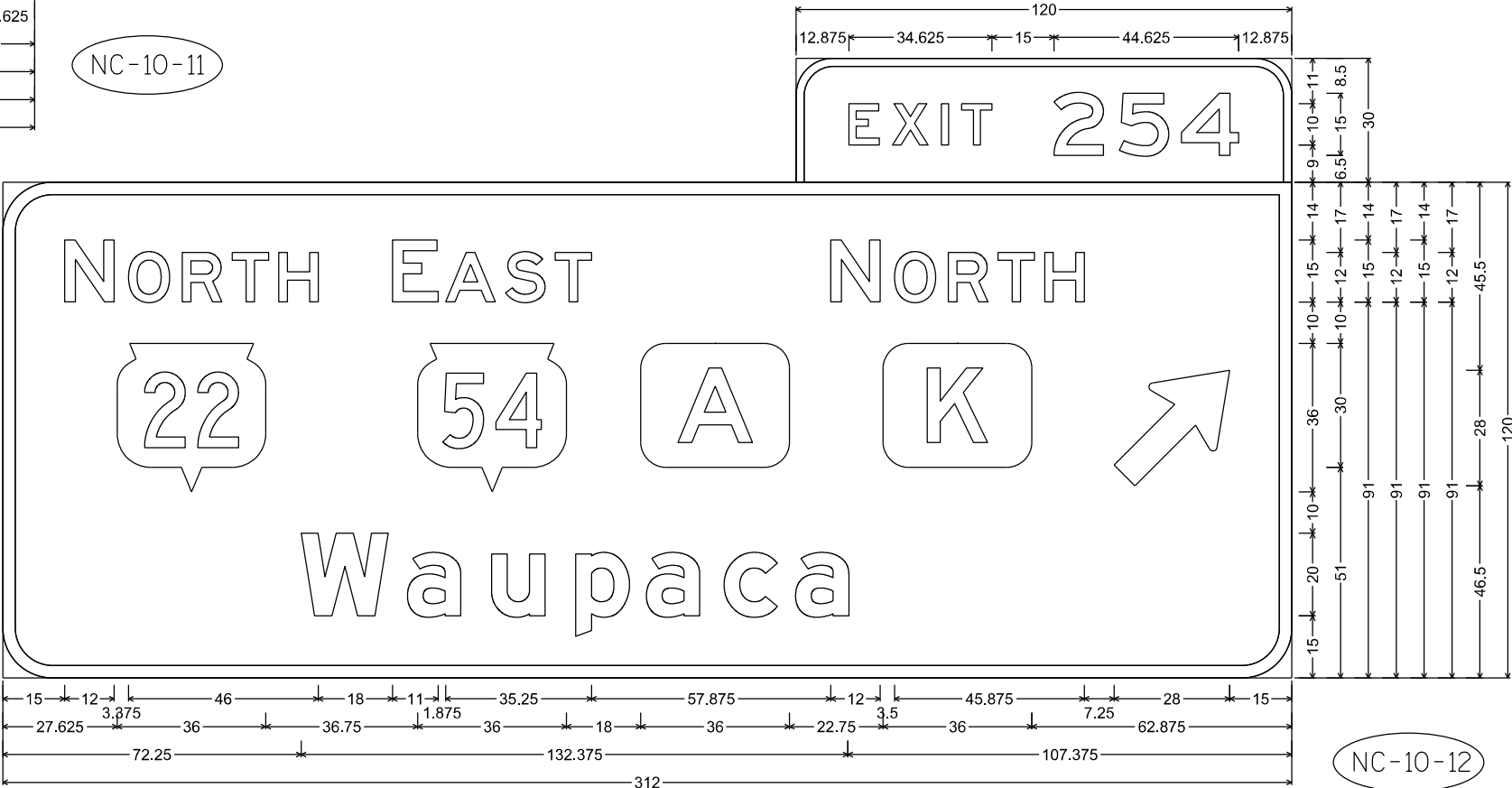


E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 12.000" Radius, 3.000" Border

NC-10-11

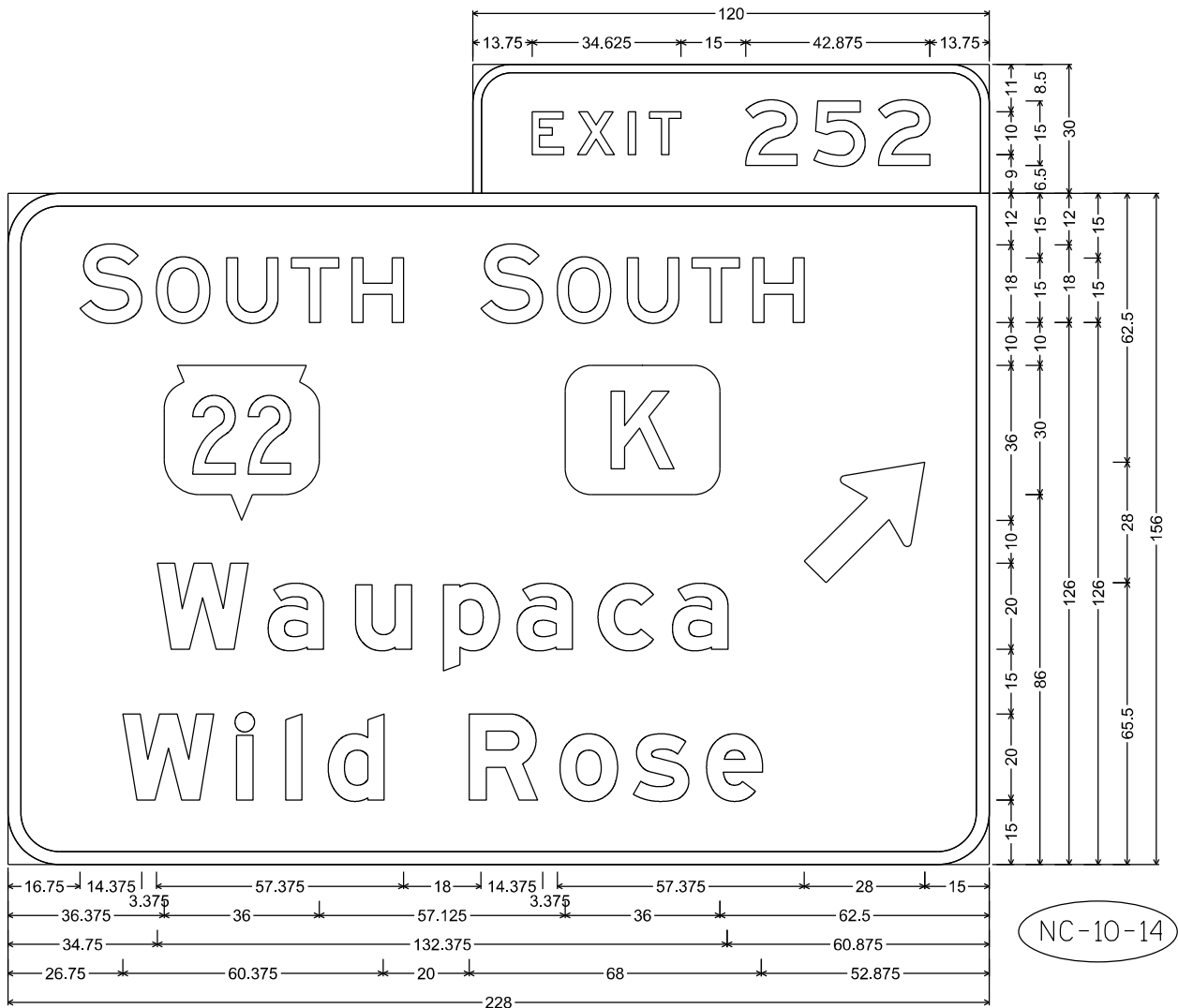
NOTES

- 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



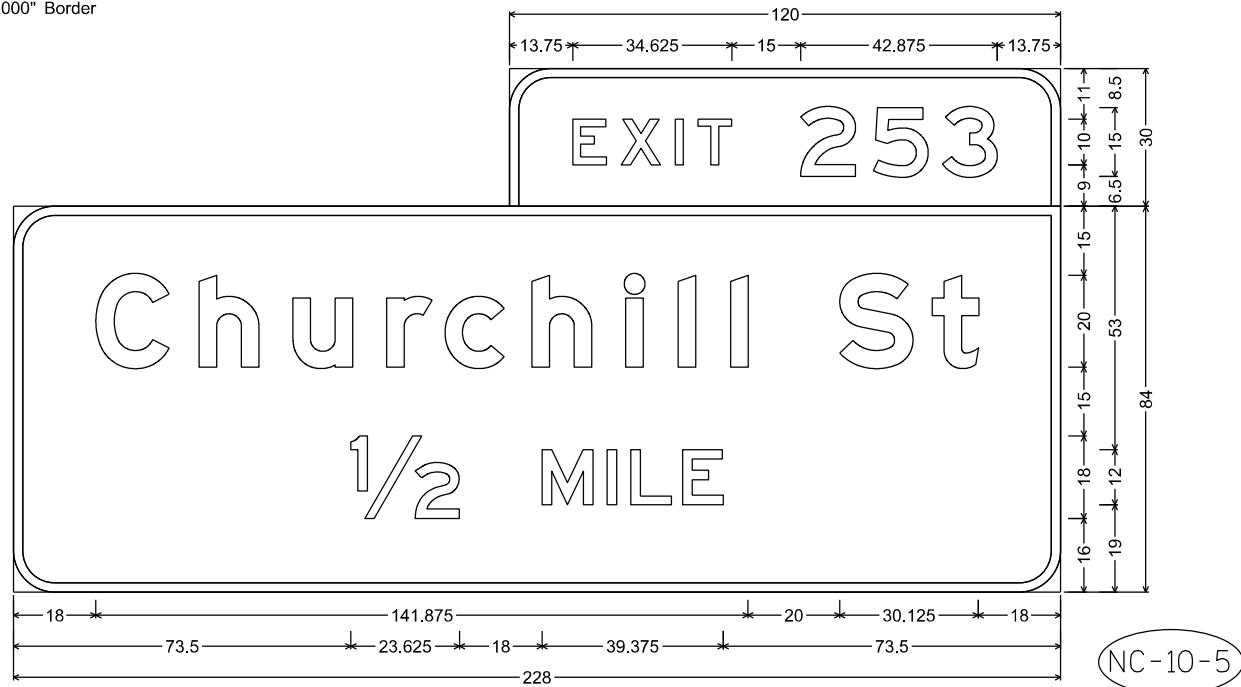
E1-5P; 9.000" Radius, 2.000" Border
E4-1A; 12.000" Radius, 3.000" Border

NC-10-12



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

NC-10-14

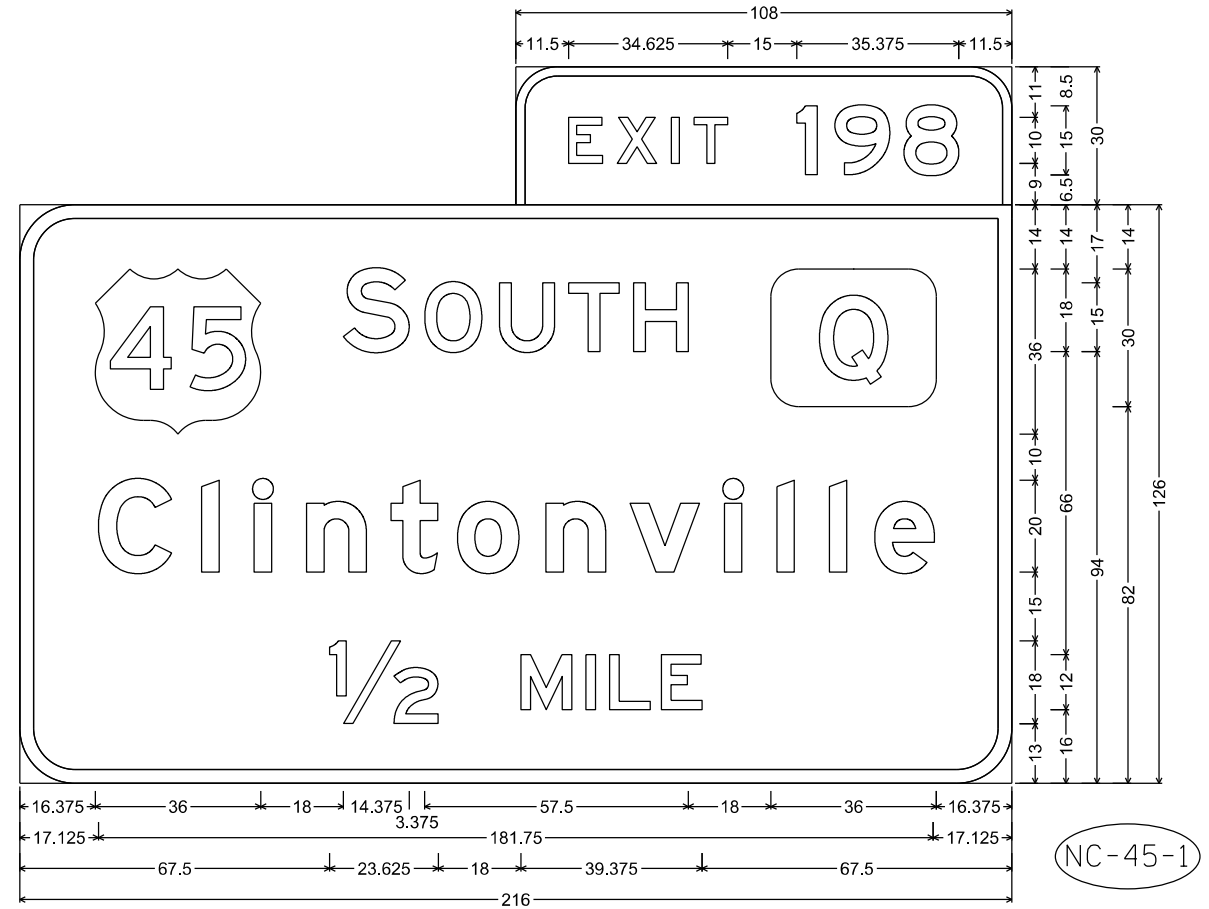


E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 9.000" Radius, 2.000" Border

NC-10-5

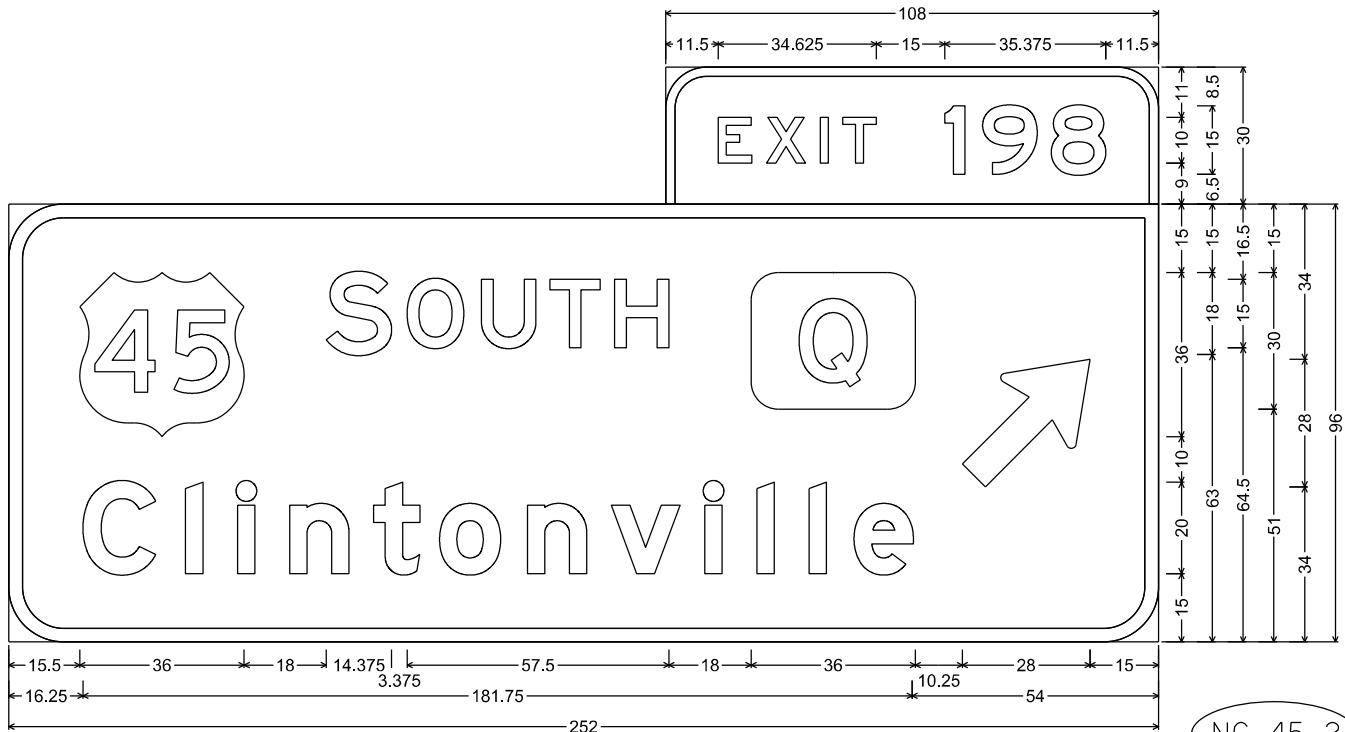
NOTES

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



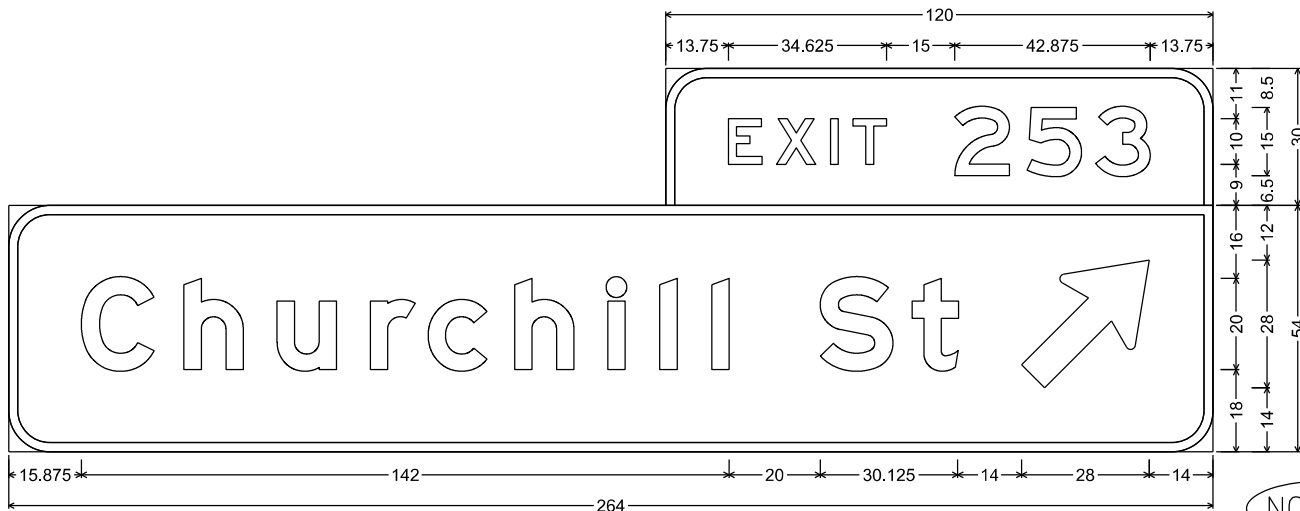
E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 12.000" Radius, 3.000" Border

NC-45-1



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

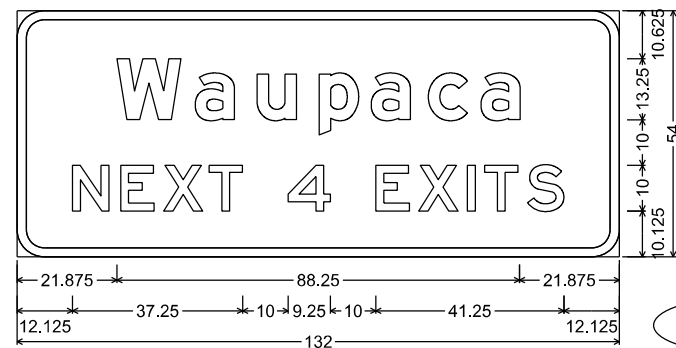
NC-45-2



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

NC-10-6

NC-10-13

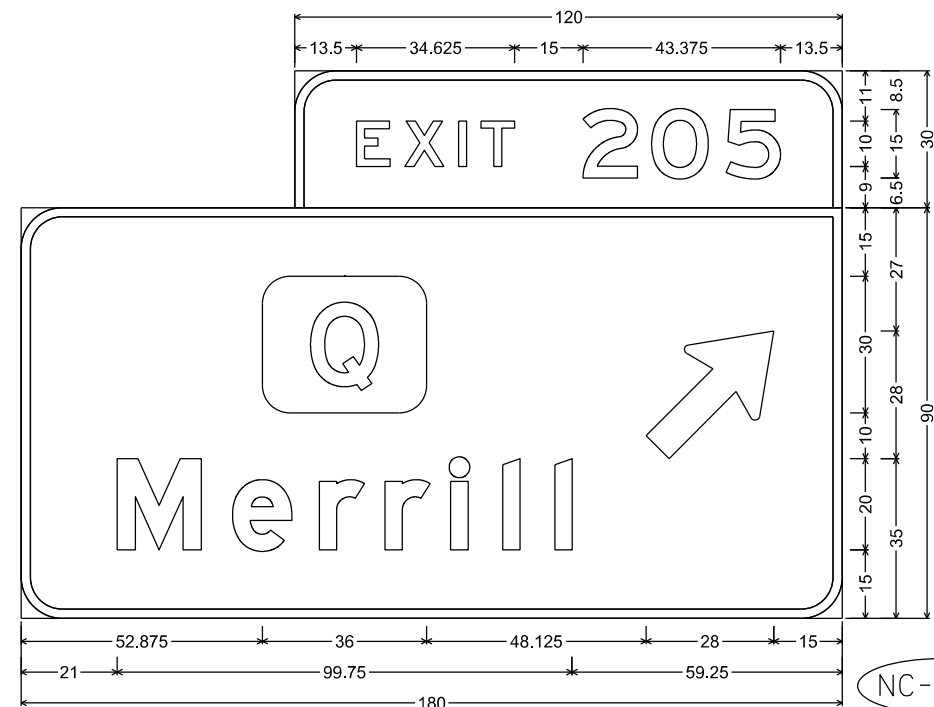


NC-10-10

E9-1; 6.000" Radius, 2.000" Border

NOTES

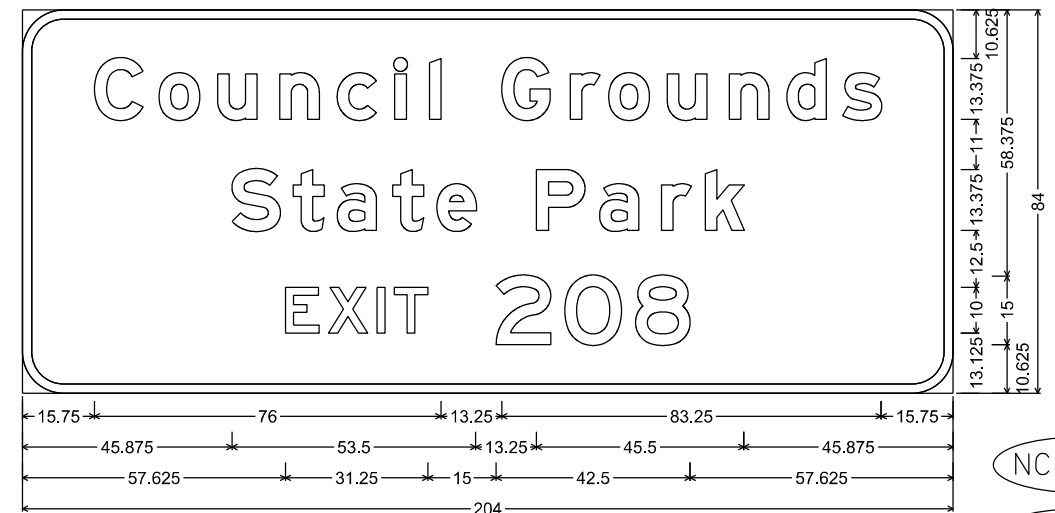
1. All Signs Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all CAP words Series E



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

NC-51-1

NC-51-14



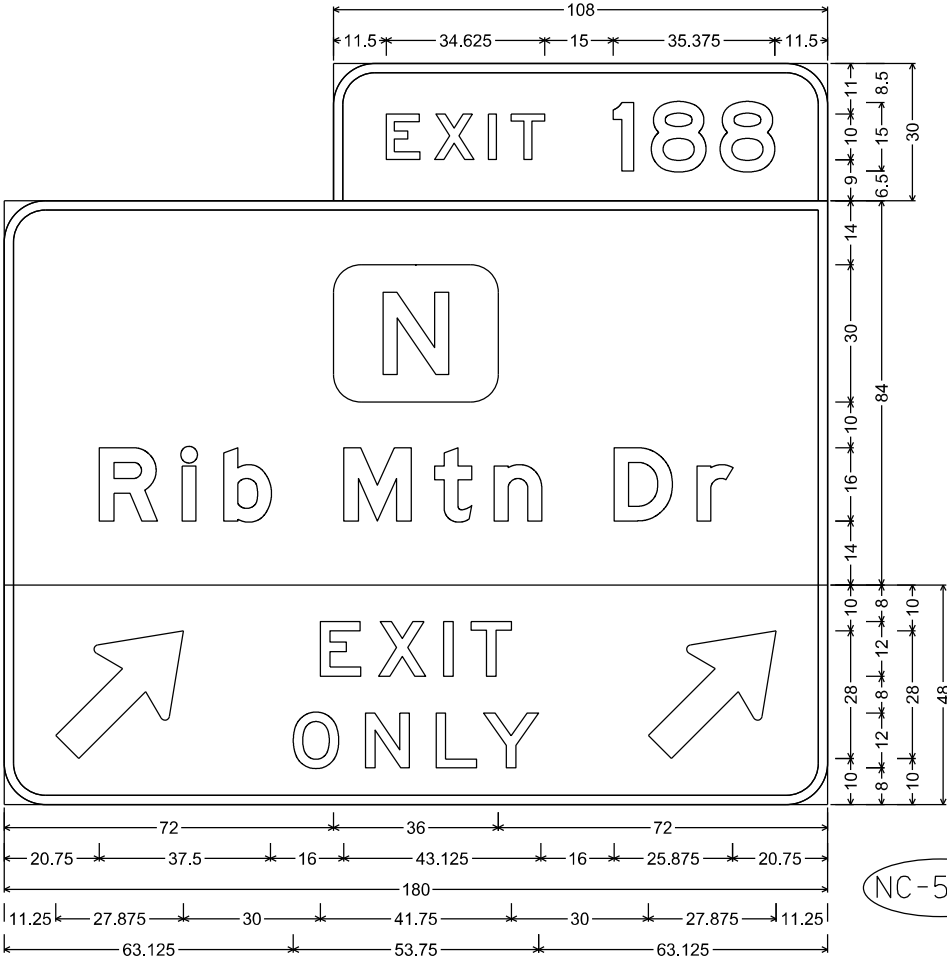
E3-1; 9.000" Radius, 2.000" Border, White on, Brown

NC-51-4

NC-51-10

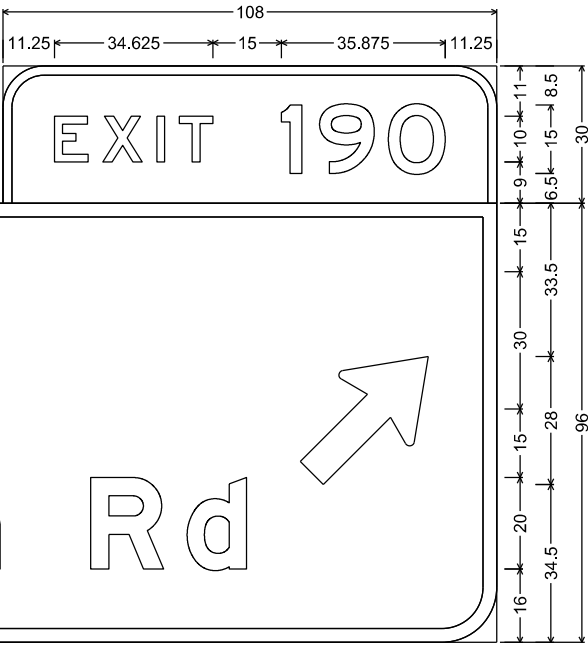
NOTES

- 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



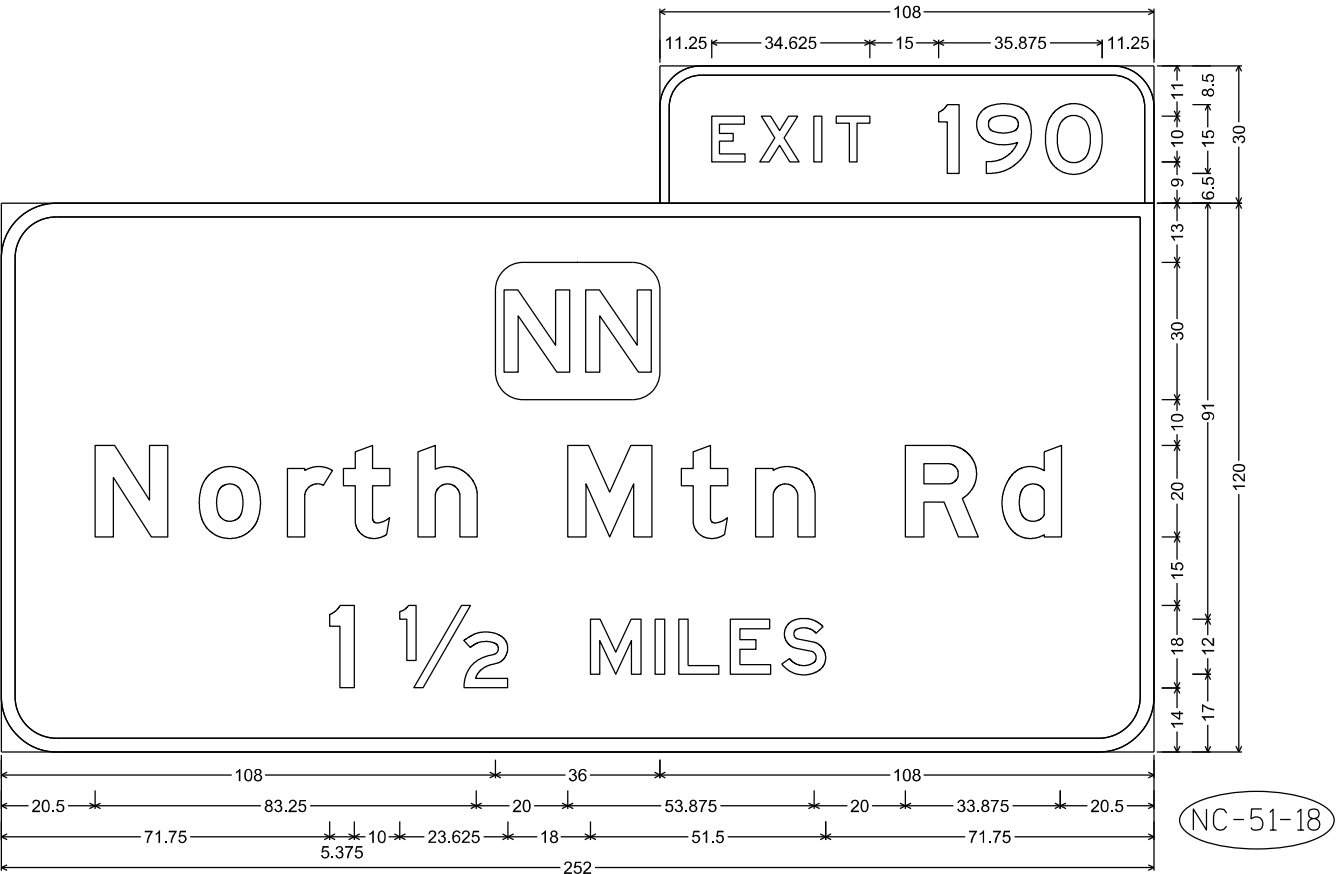
E1-5P; 9.000" Radius, 2.000" Border
E6-1; 9.000" Radius, 2.000" Border
E11-1E; 9.000" Radius, 2.000" Border, Black on, Yellow

NC-51-17



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

NC-51-20

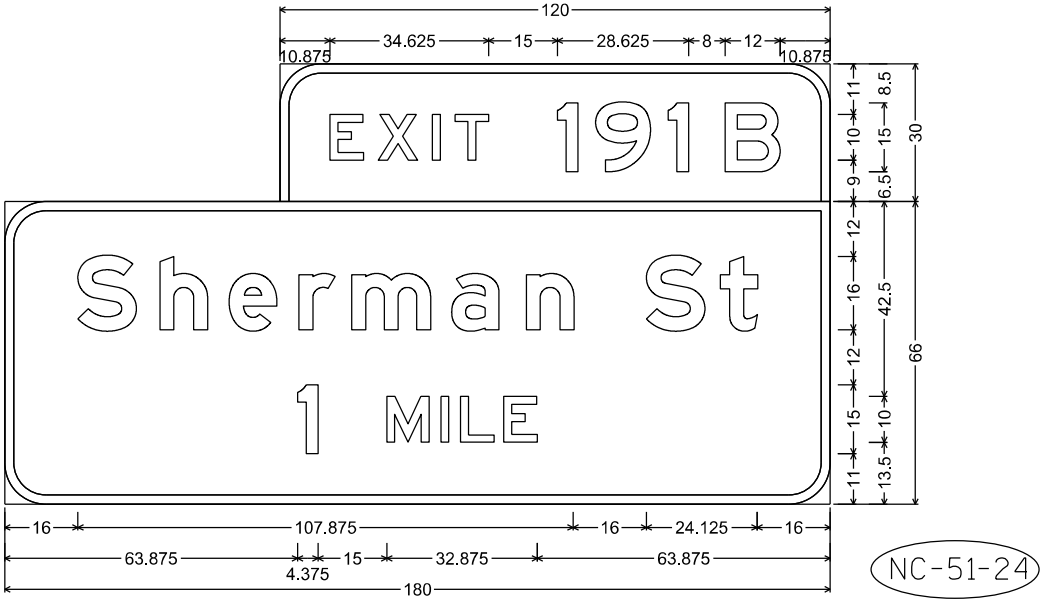


E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 12.000" Radius, 3.000" Border

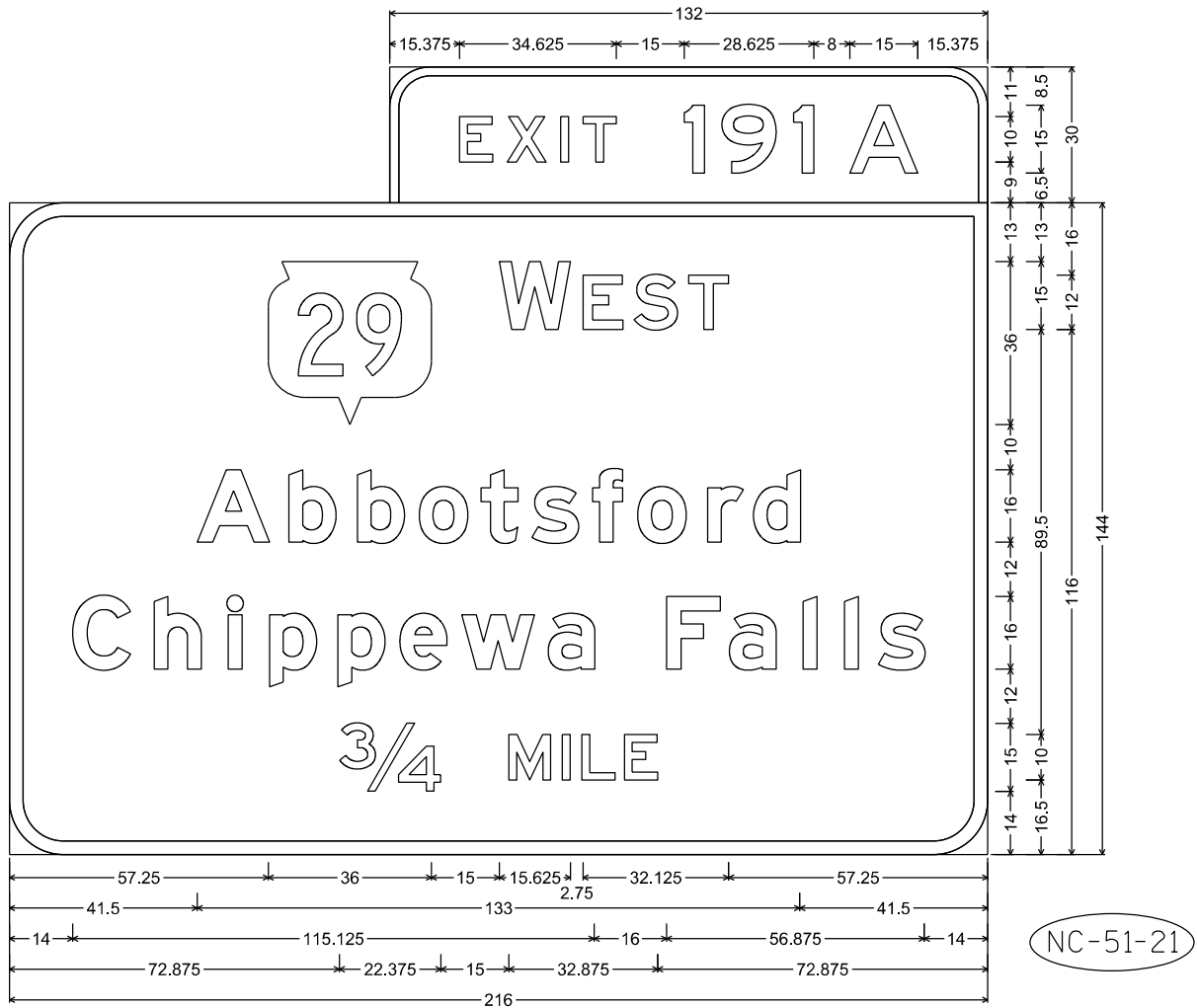
NC-51-18

NOTES

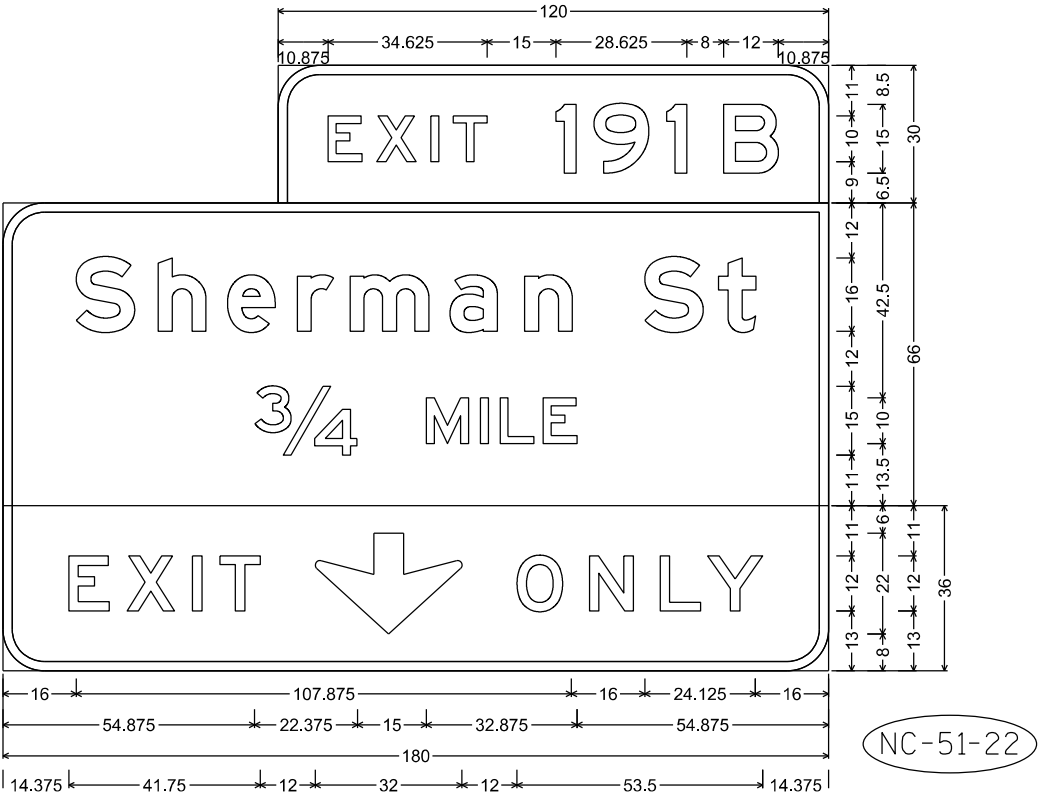
- 1. All Signs Type I - Type SH Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E Modified except all CAP words Series E
- 4. Exit Only Panel on Yellow Type F Reflective Sheeting
with Black Non-Reflective Message



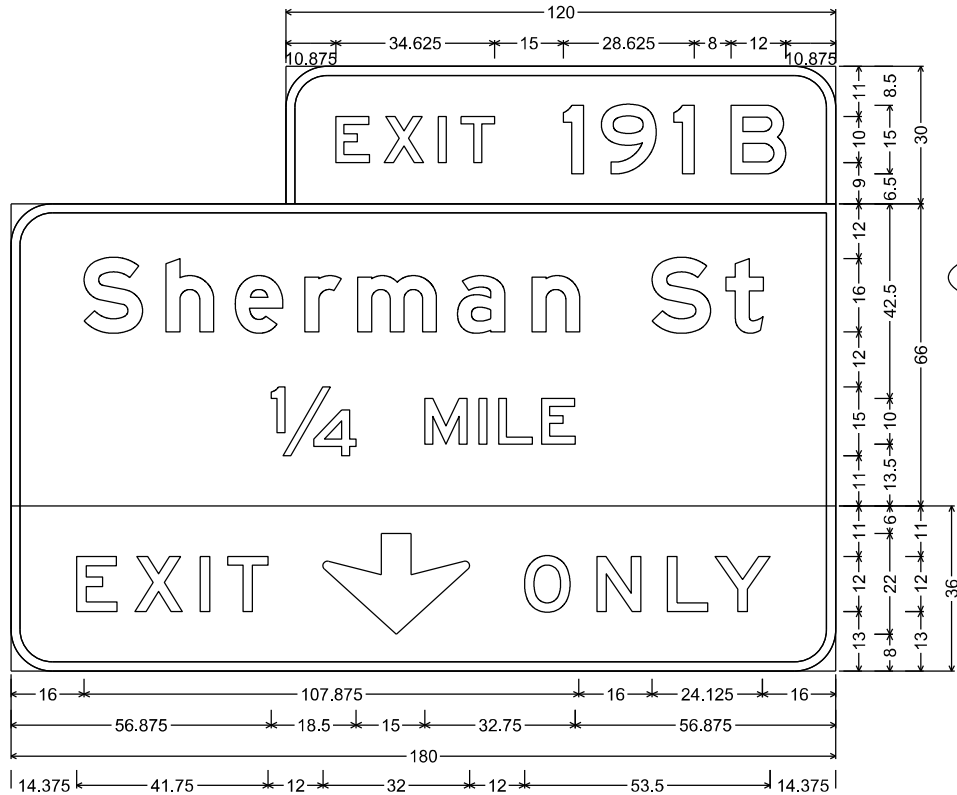
E1-5P; 9.000" Radius, 2.000" Border
E6-51; 9.000" Radius, 2.000" Border



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



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



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

NC-51-27

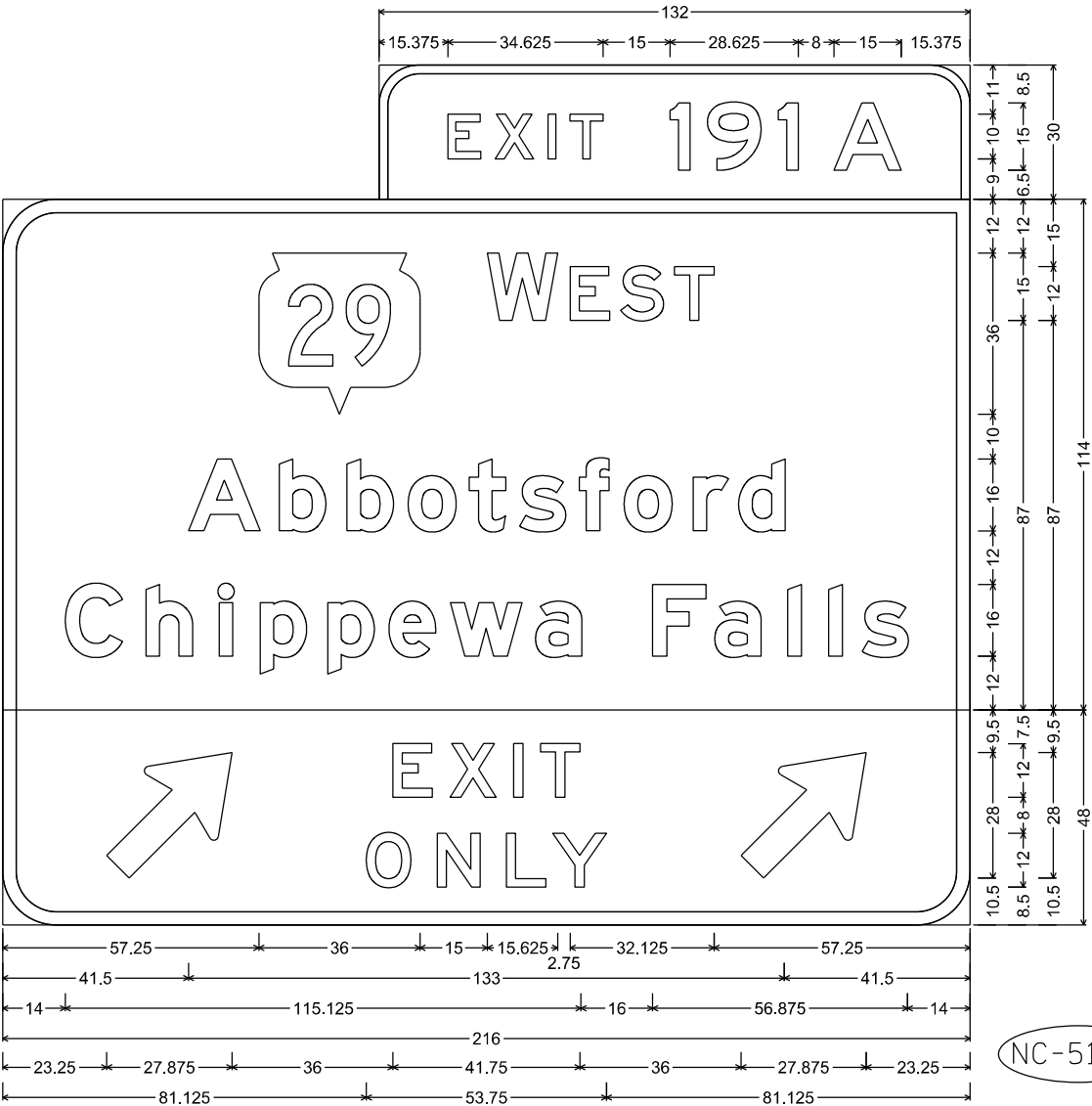


E1-5P; 9.000" Radius, 2.000" Border
E6-1; 12.000" Radius, 3.000" Border
E11-1; 12.000" Radius, 3.000" Border, Black on, Yellow

NC-51-25

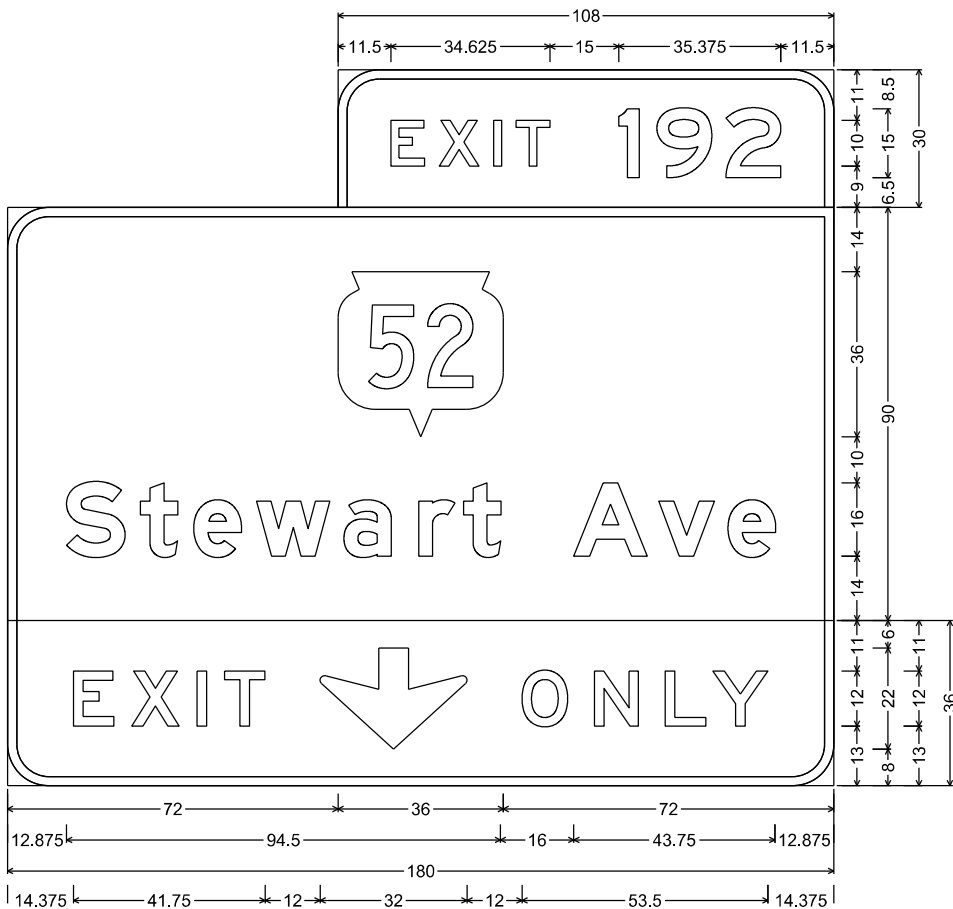
NOTES

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



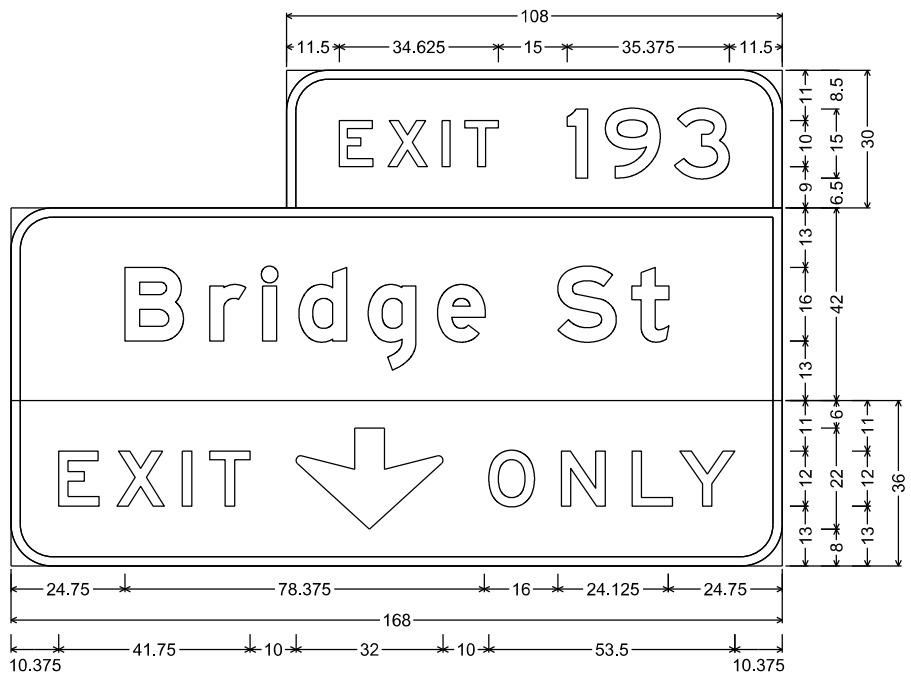
E1-5P; 9.000" Radius, 2.000" Border
E6-1; 12.000" Radius, 3.000" Border
E11-1E; 12.000" Radius, 3.000" Border, Black on, Yellow

NC-51-28



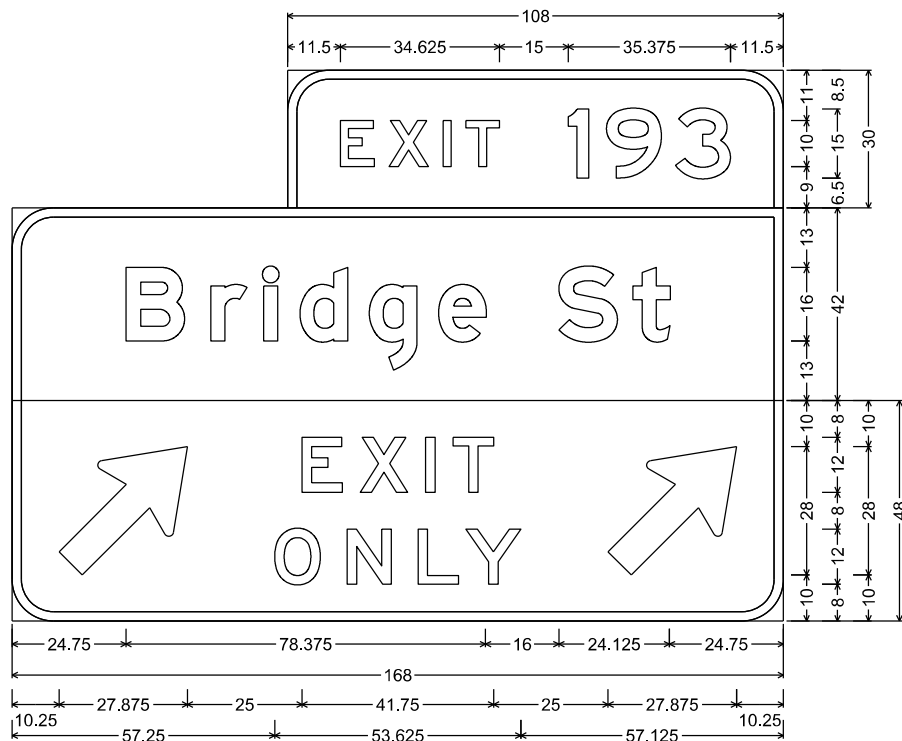
E1-5P; 9.000" Radius, 2.000" Border
E6-1; 9.000" Radius, 2.000" Border
E11-1; 9.000" Radius, 2.000" Border, Black on, Yellow

NC-51-37



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;

NC-51-34

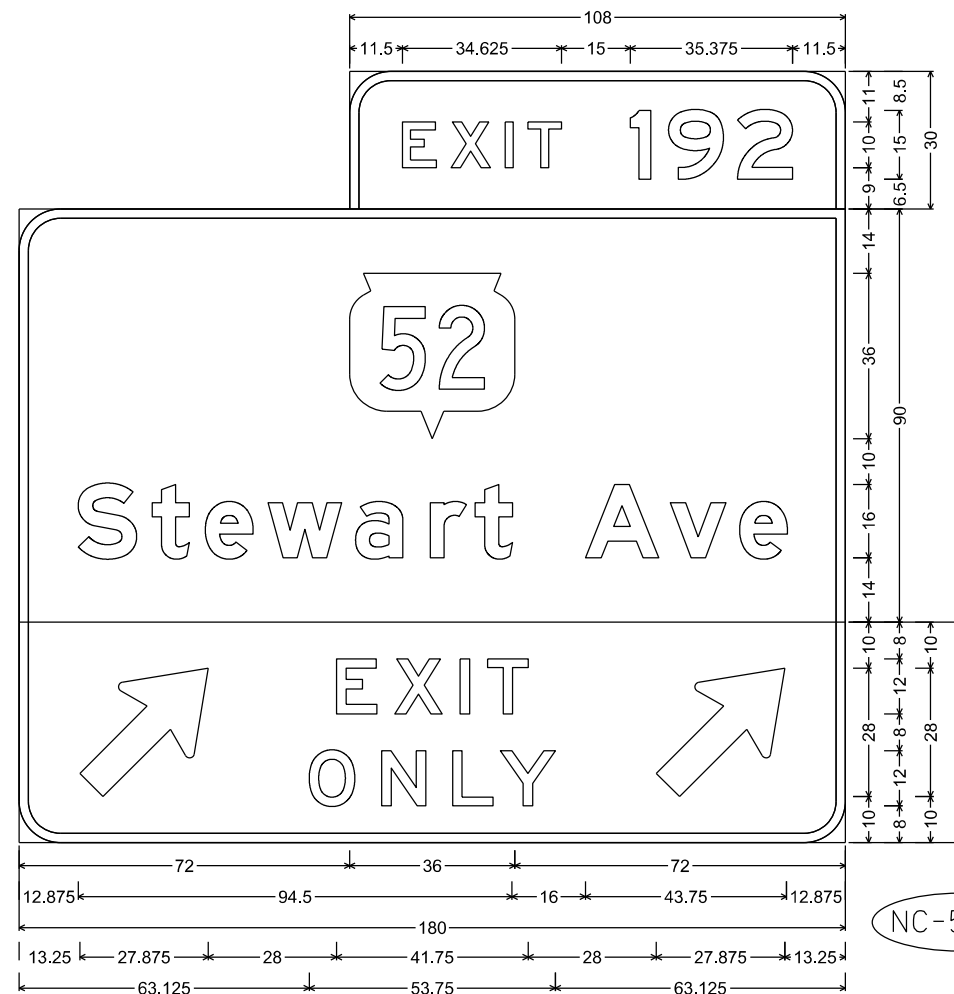


E1-5P; 9.000" Radius, 2.000" Border
E6-1; 9.000" Radius, 2.000" Border
E11-1E; 9.000" Radius, 2.000" Border, Black on, Yellow

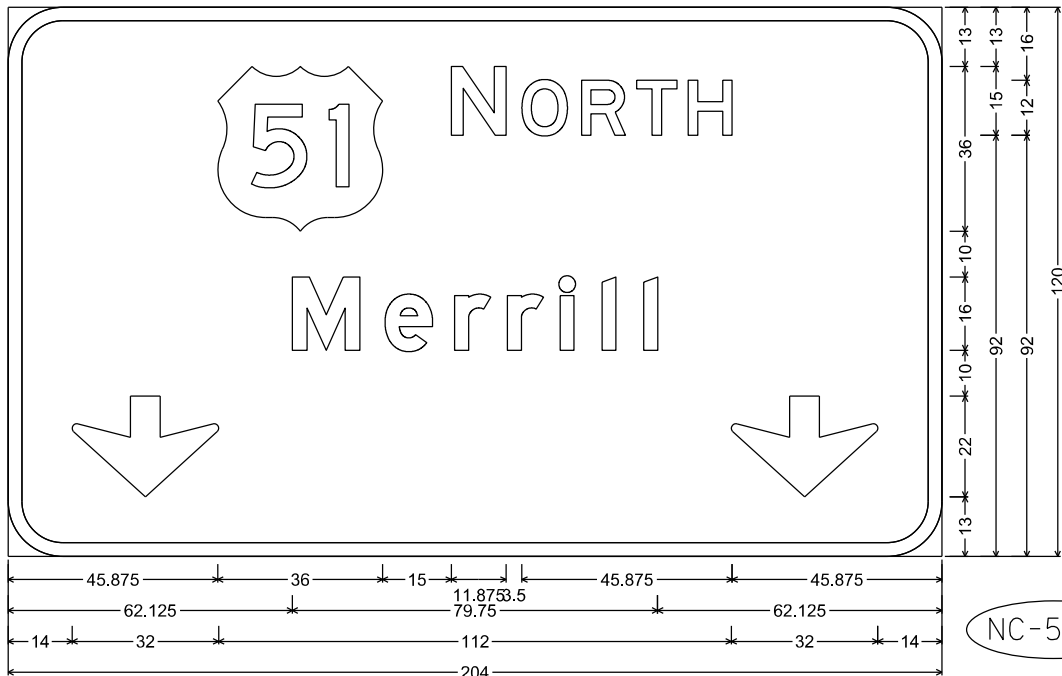
NC-51-35

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

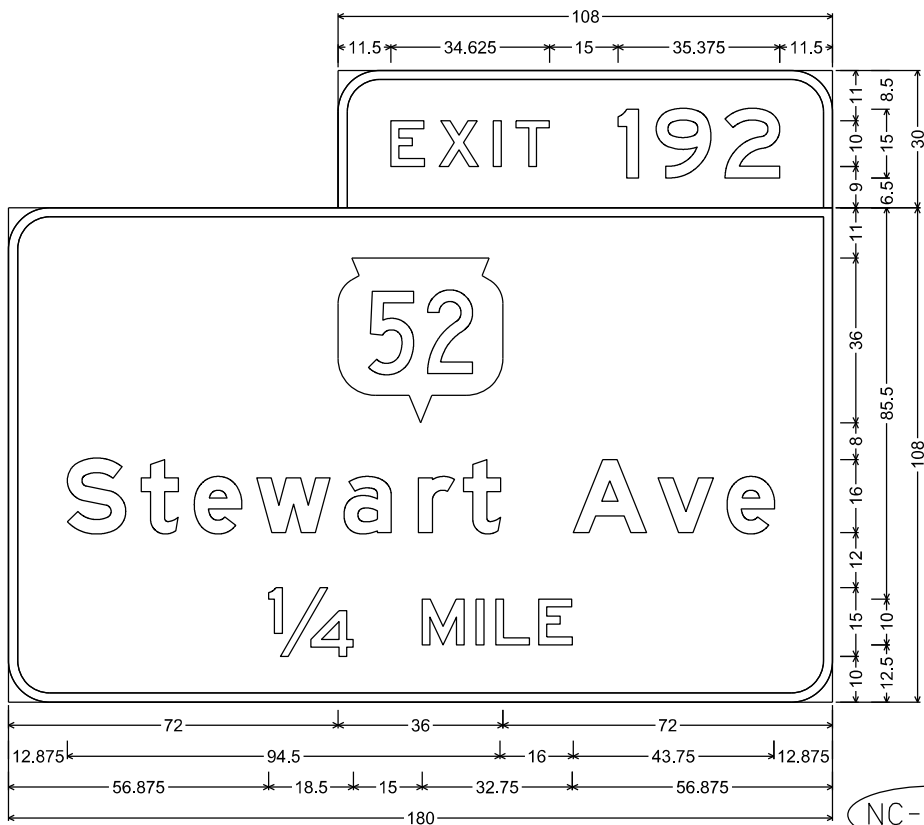


NC-51-38



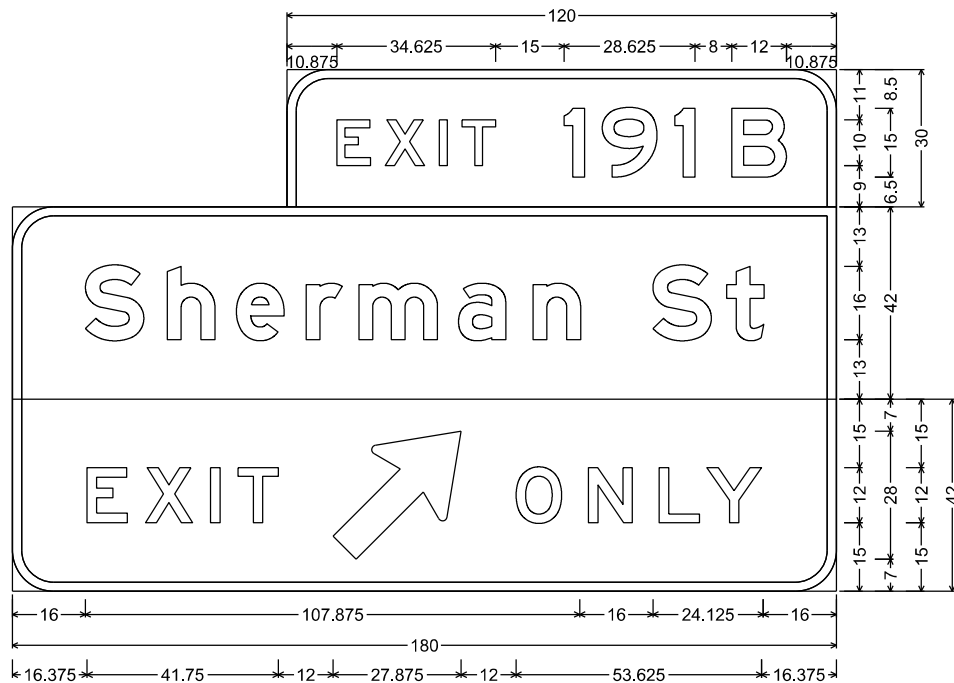
E6-51; 12.000" Radius, 3.000" Border

NC-51-23



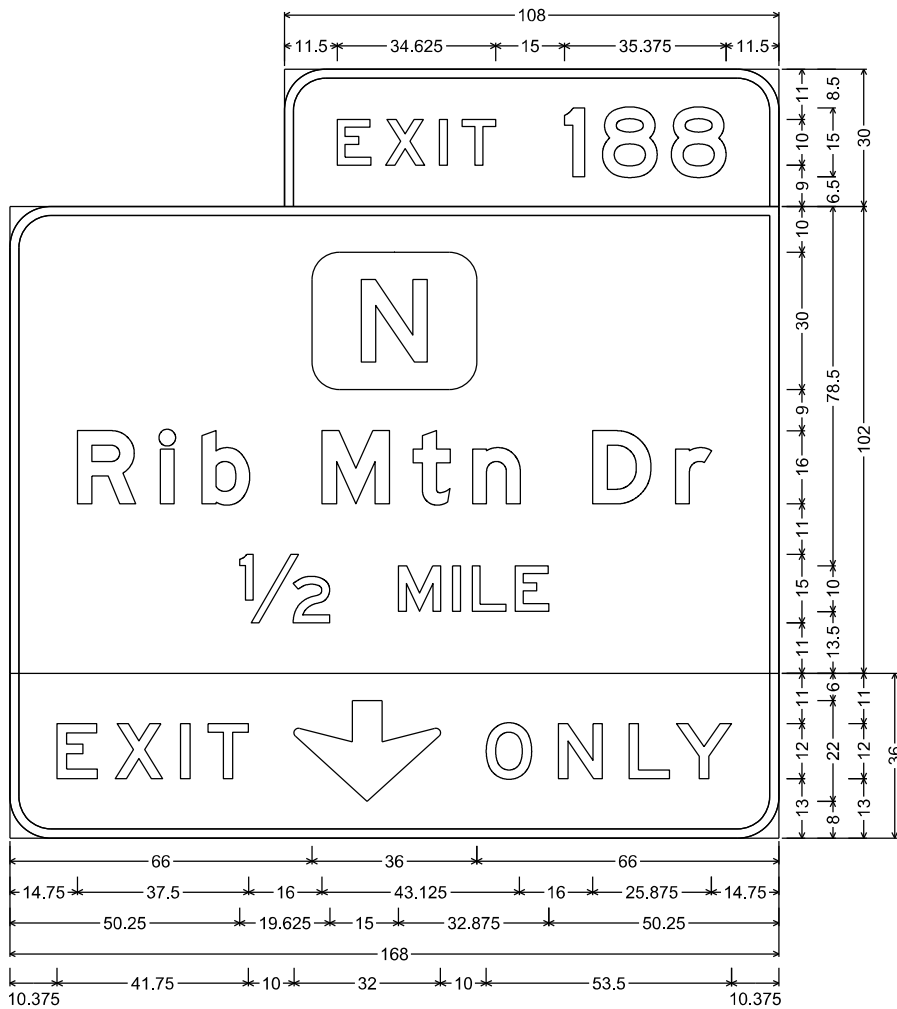
E1-5P; 9.000" Radius, 2.000" Border
E6-51; 9.000" Radius, 2.000" Border

NC-51-30



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

NC-51-29

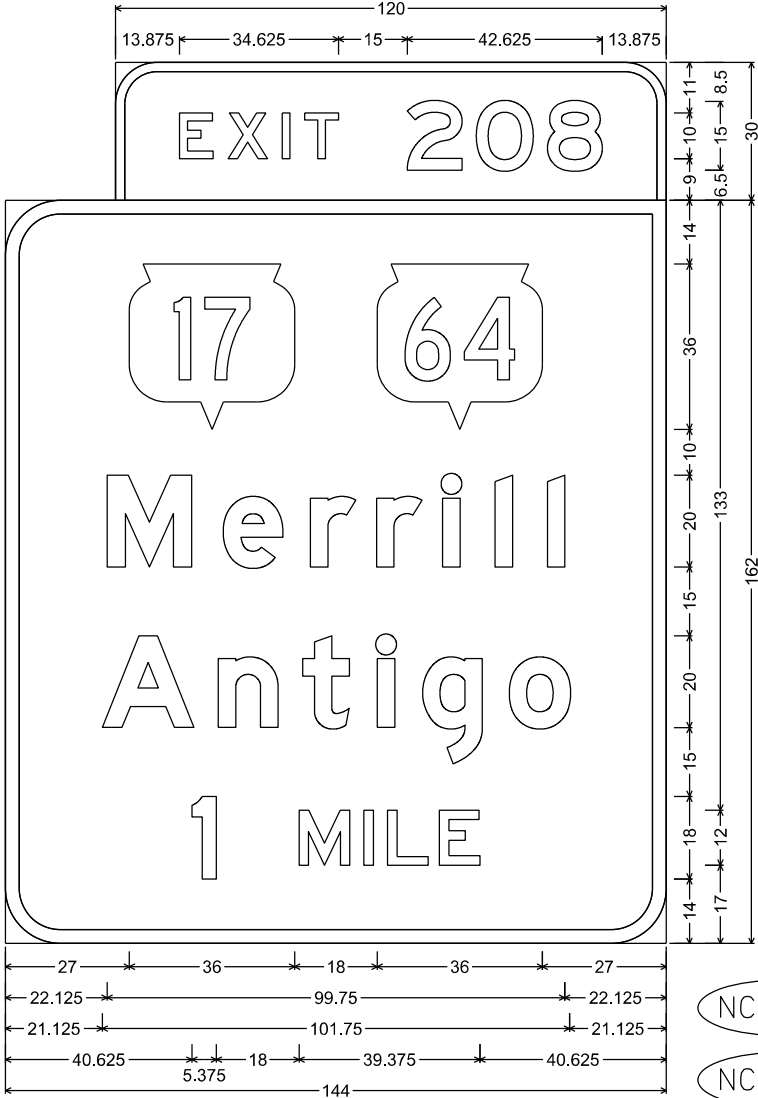


E1-5P; 9.000" Radius, 2.000" Border
E6-51; 9.000" Radius, 2.000" Border
E11-1; 9.000" Radius, 2.000" Border, Black on, Yellow

NC-51-15

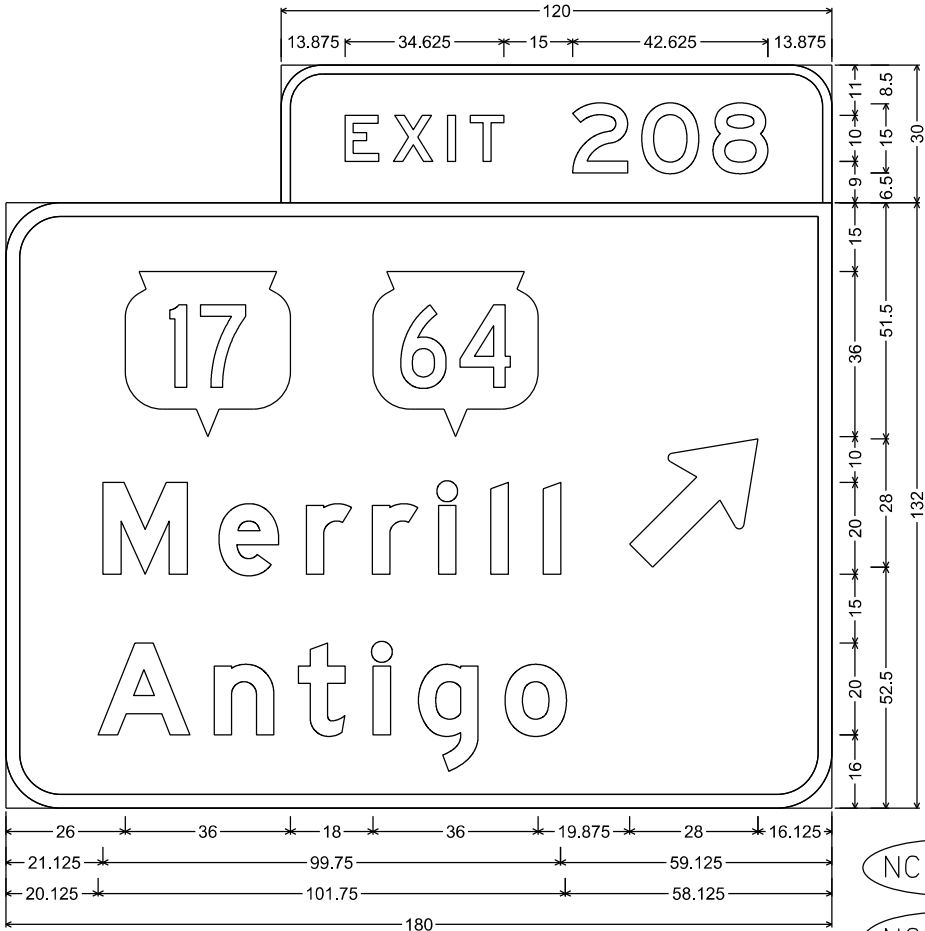
NOTES

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
E1-1A; 12.000" Radius, 3.000" Border

NC-51-2
NC-51-8

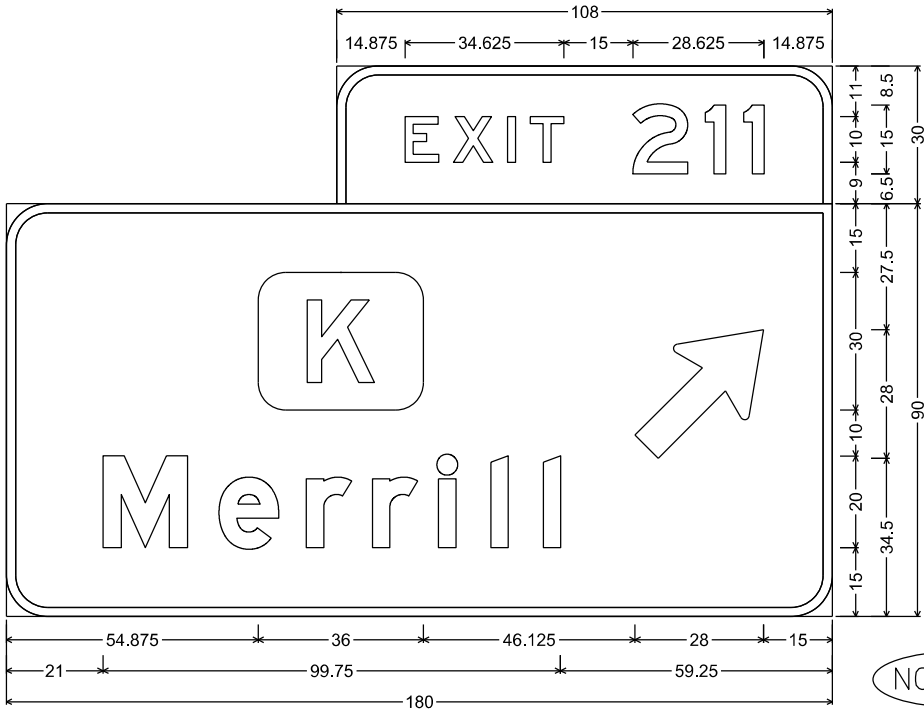


E1-5P; 9.000" Radius, 2.000" Border
E4-1A; 12.000" Radius, 3.000" Border

NC-51-5
NC-51-11

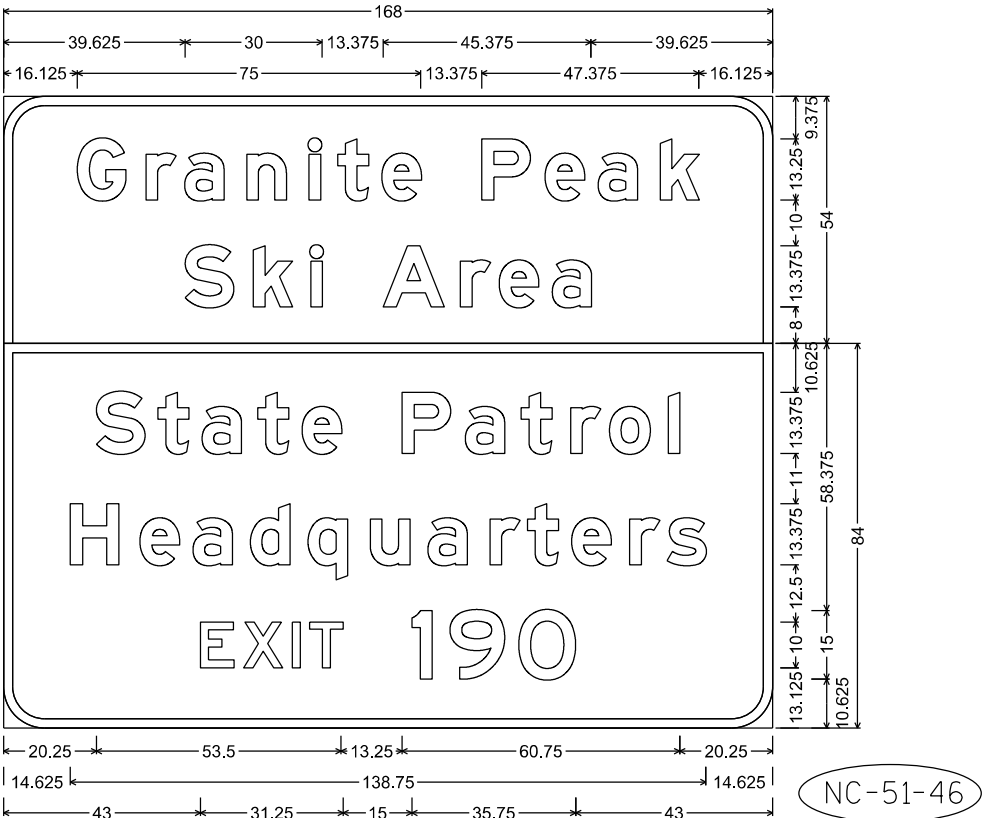
NOTES

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



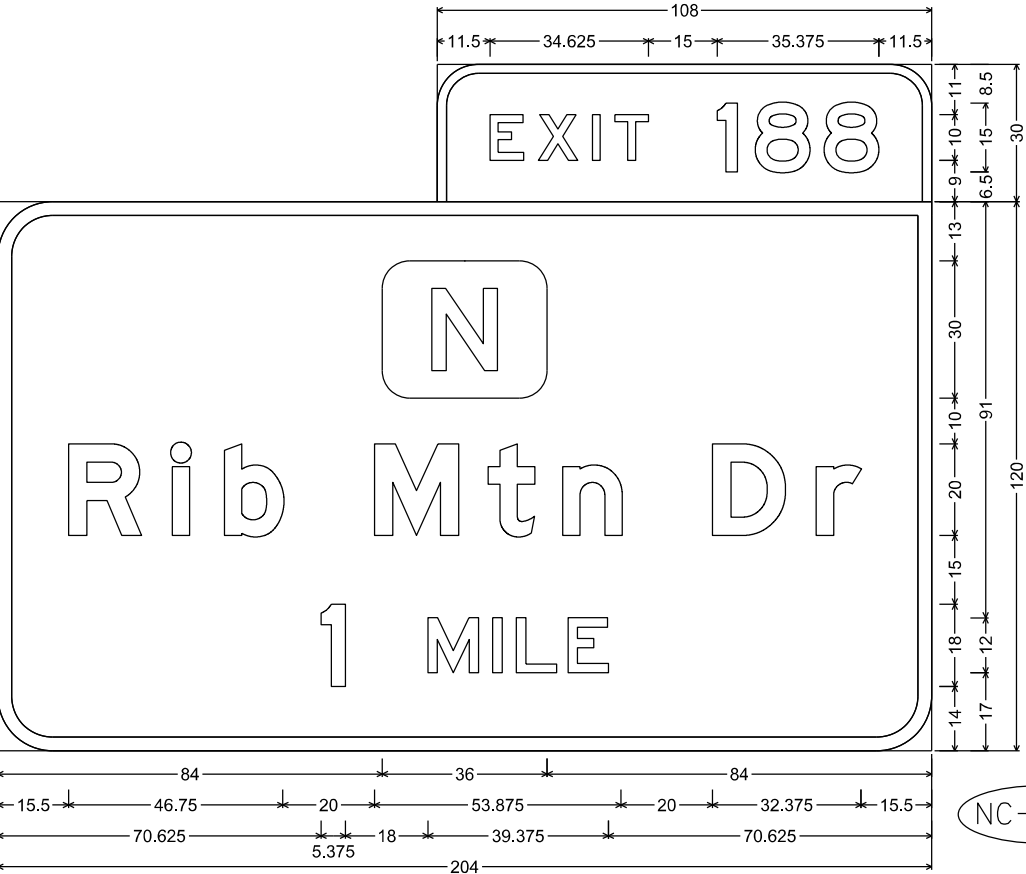
E1-5P; 9.000" Radius, 2.000" Border
E4-1A; 9.000" Radius, 2.000" Border

NC-51-7



E3-1; 9.000" Radius, 2.000" Border, White on, Brown
E3-1; 9.000" Radius, 2.000" Border, White on, Green

NC-51-46

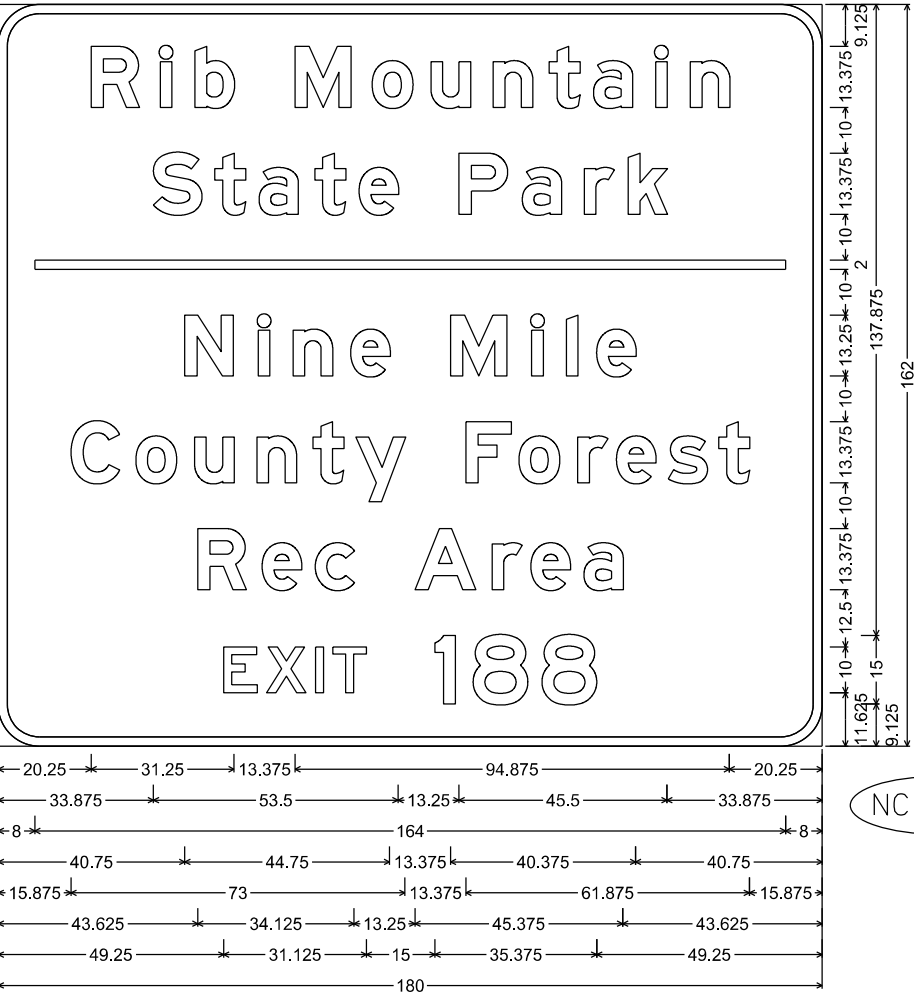


E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 12.000" Radius, 3.000" Border

NC-51-48

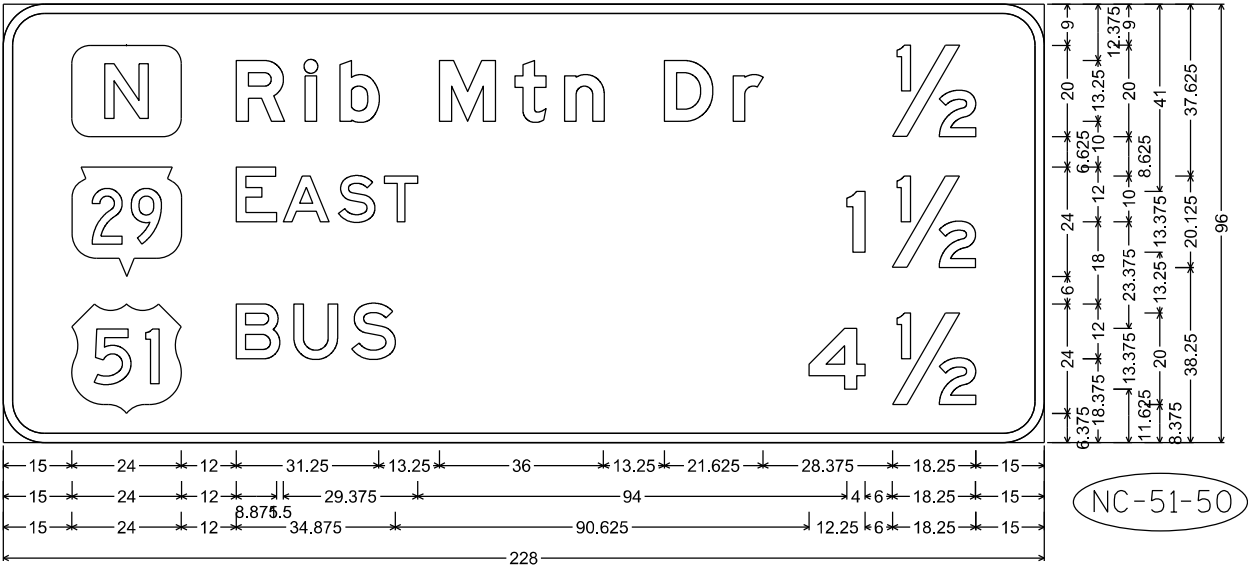
NOTES

- 1. All Signs Type I - Type SH Reflective
- 2. Color:
Background - Green except as noted
Message - White
- 3. Message Series - E Modified except all CAP words Series E

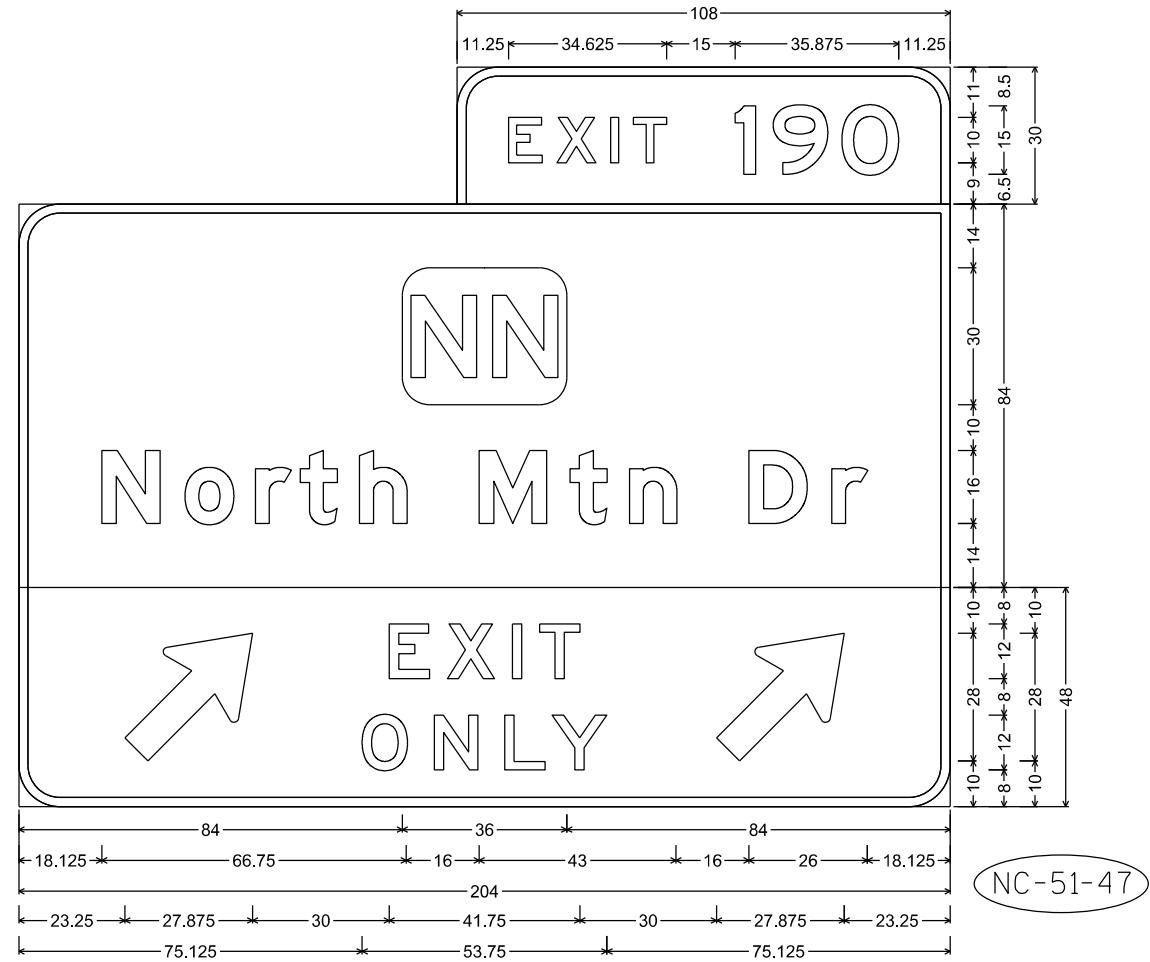


NC-51-49

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



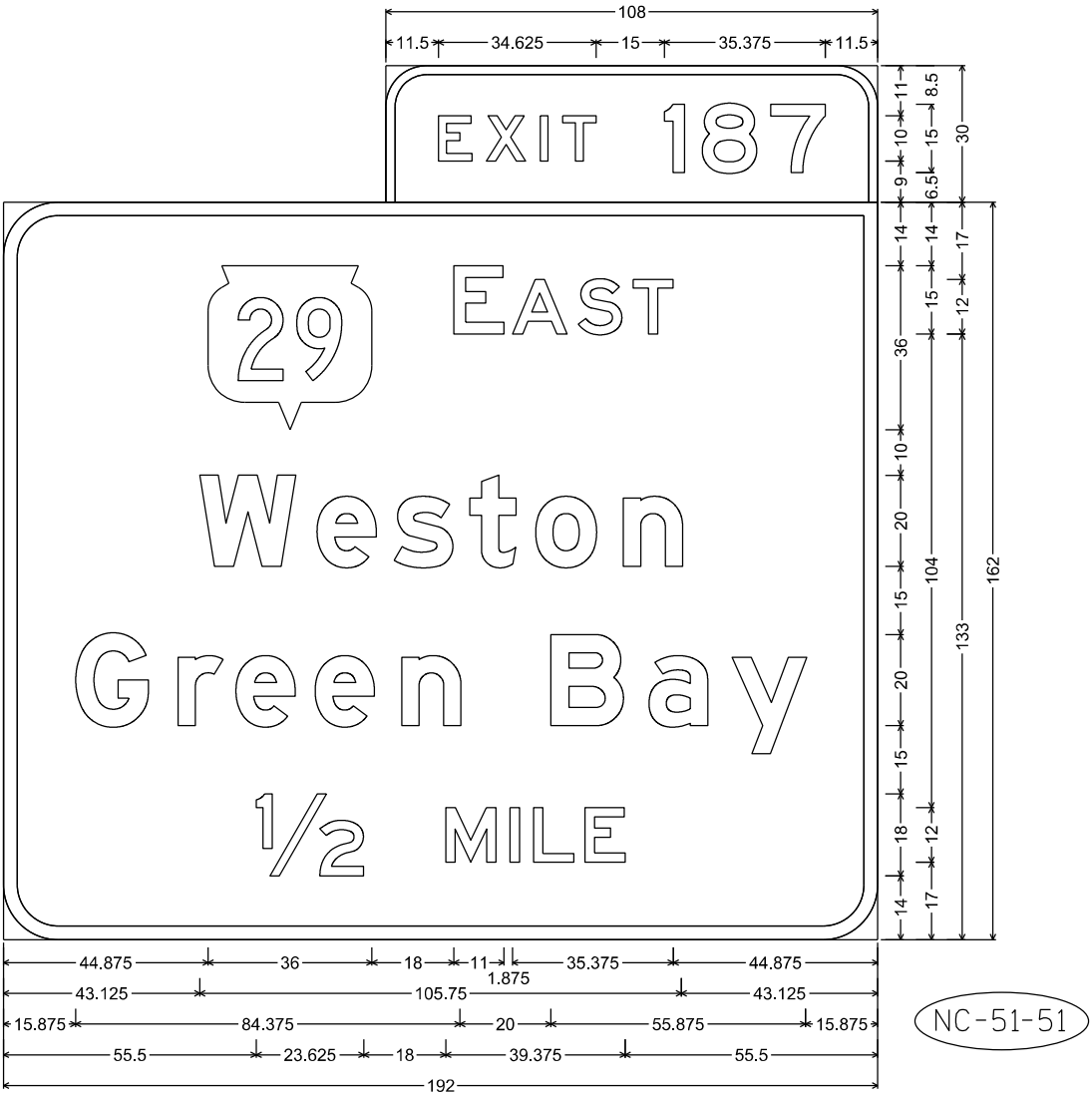
E8-1; 9.000" Radius, 2.000" Border



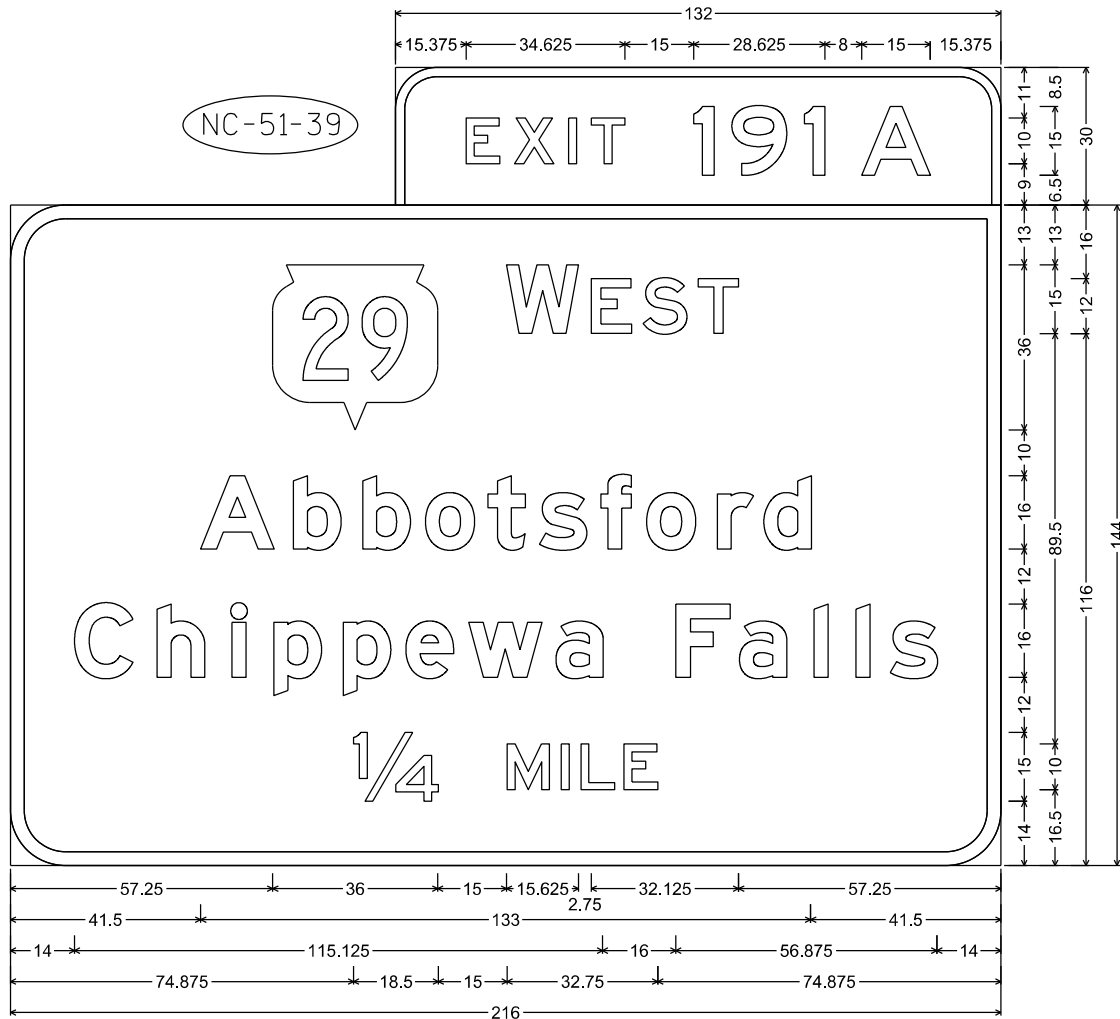
E1-5P; 9.000" Radius, 2.000" Border
E6-1; 9.000" Radius, 2.000" Border
E11-1E; 9.000" Radius, 2.000" Border, Black on, Yellow

NOTES

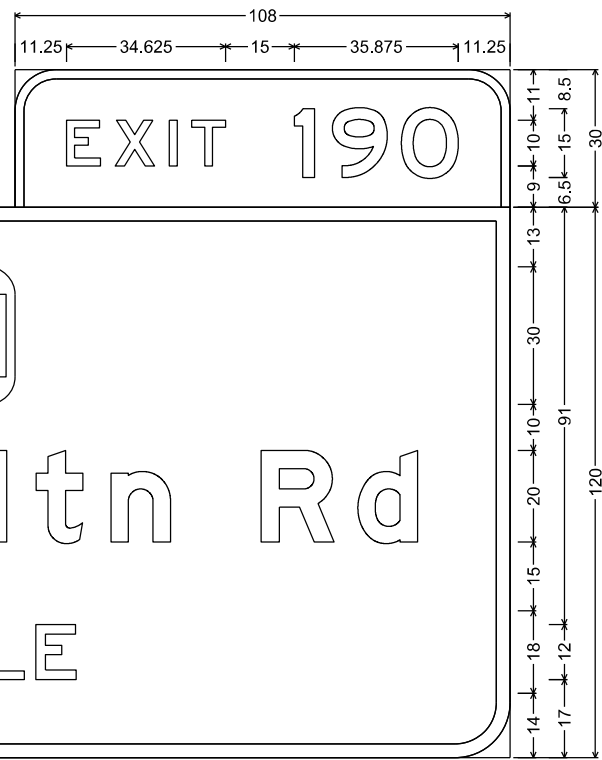
1. All Signs Type I - Type SH Reflective
2. Color:
Background - Green
Message - White
3. Message Series - E Modified except all CAP words Series E
4. Exit Only Panel on Yellow Type F Reflective Sheeting
with Black Non-Reflective Message



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



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

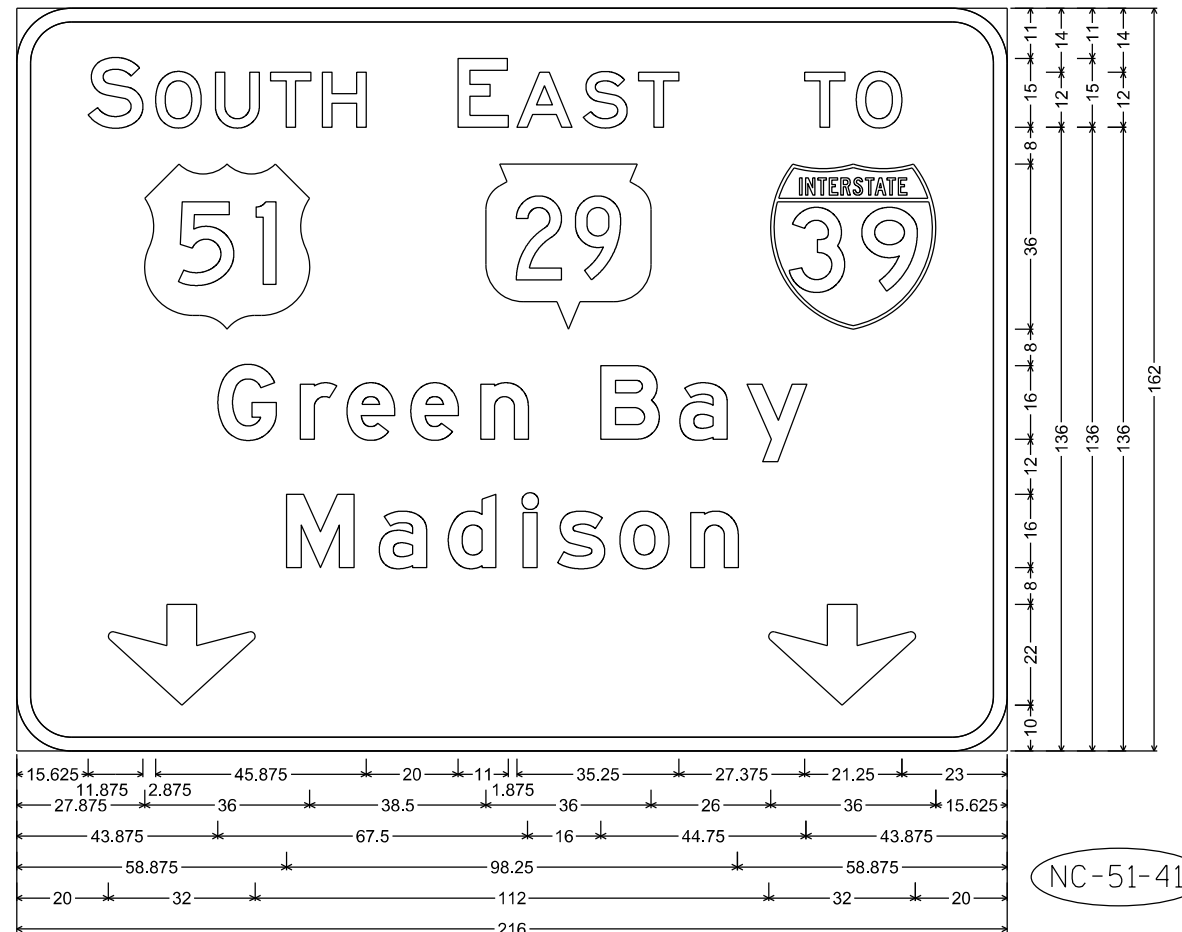


E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 12.000" Radius, 3.000" Border

NC-51-43

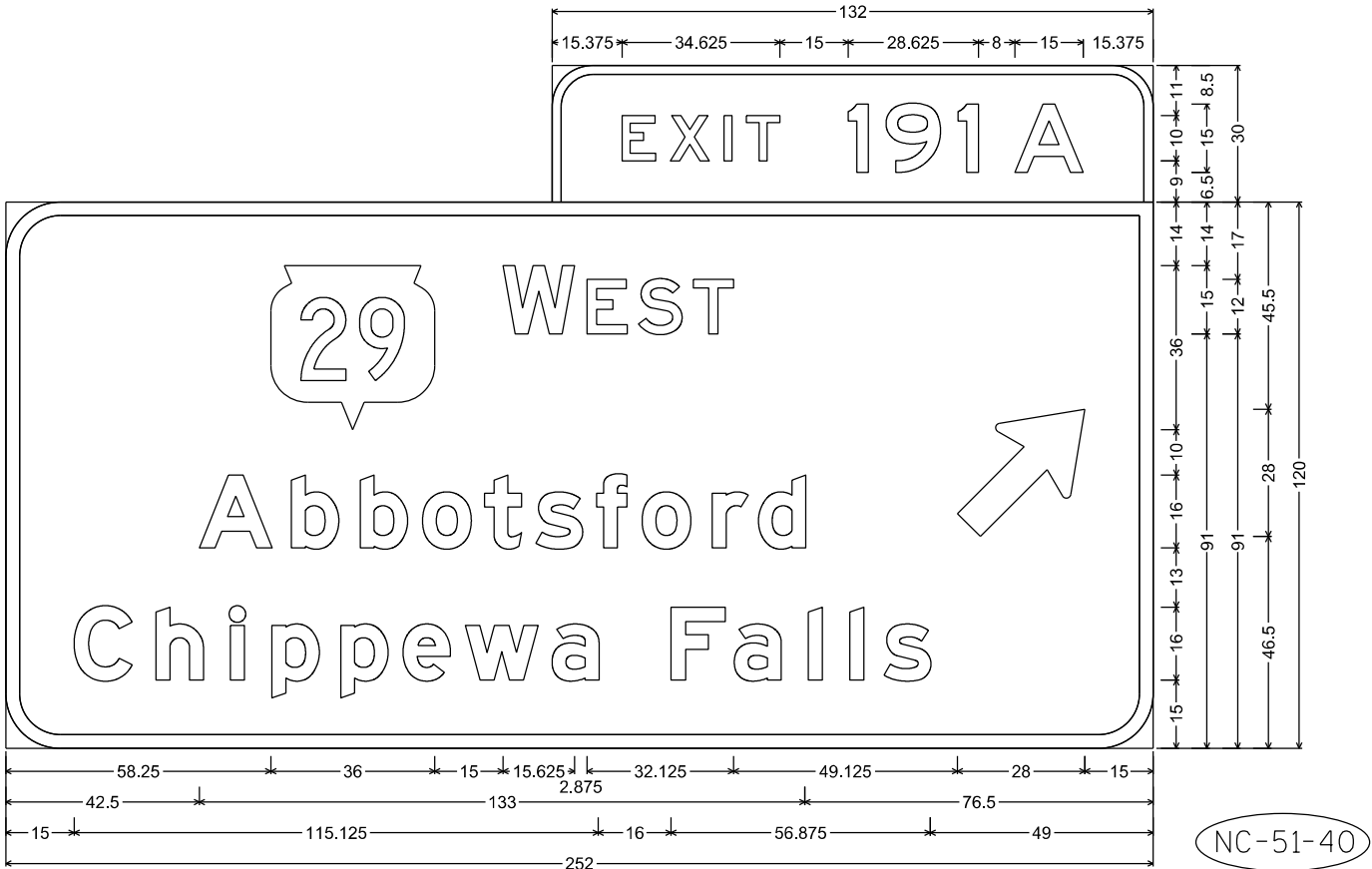
NOTES

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



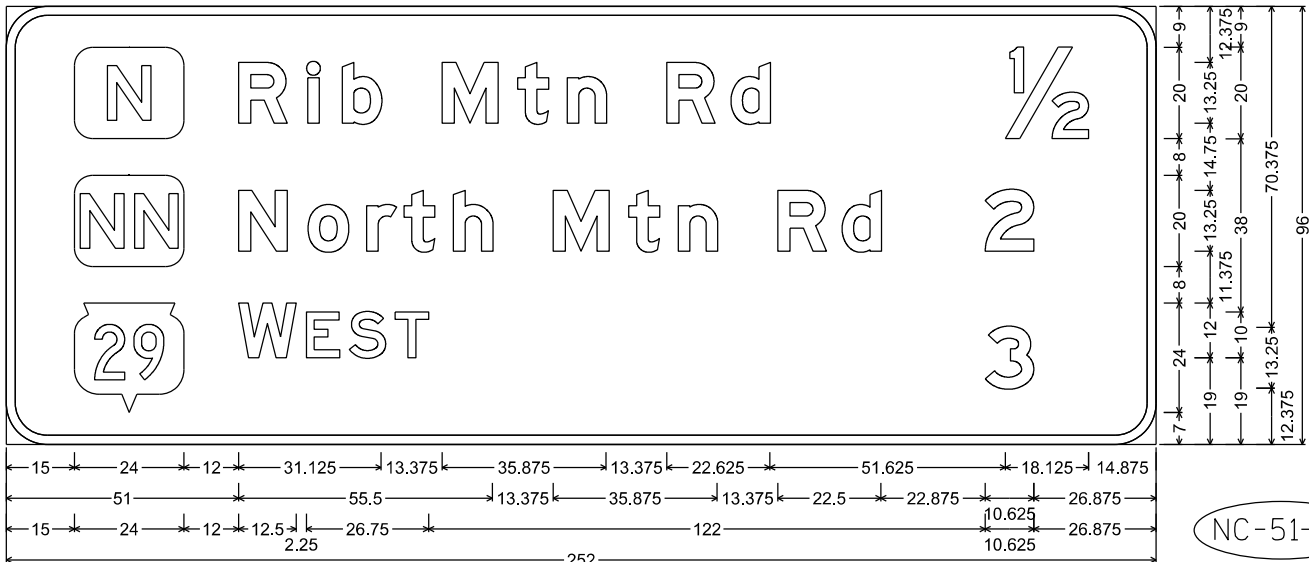
E6-51; 12.000" Radius, 3.000" Border

NC-51-41



E1-5P; 9.000" Radius, 2.000" Border
E6-1; 12.000" Radius, 3.000" Border

NC-51-40

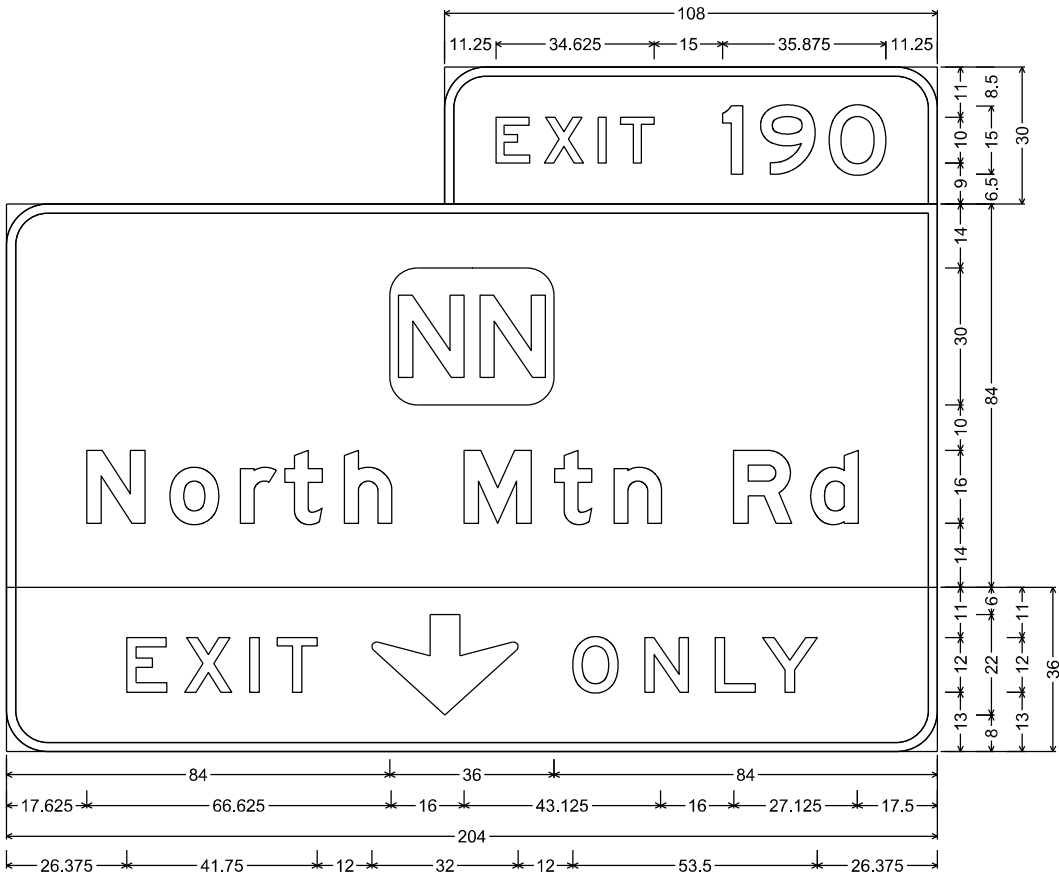


E8-1; 9.000" Radius, 2.000" Border

NC-51-16

NOTES

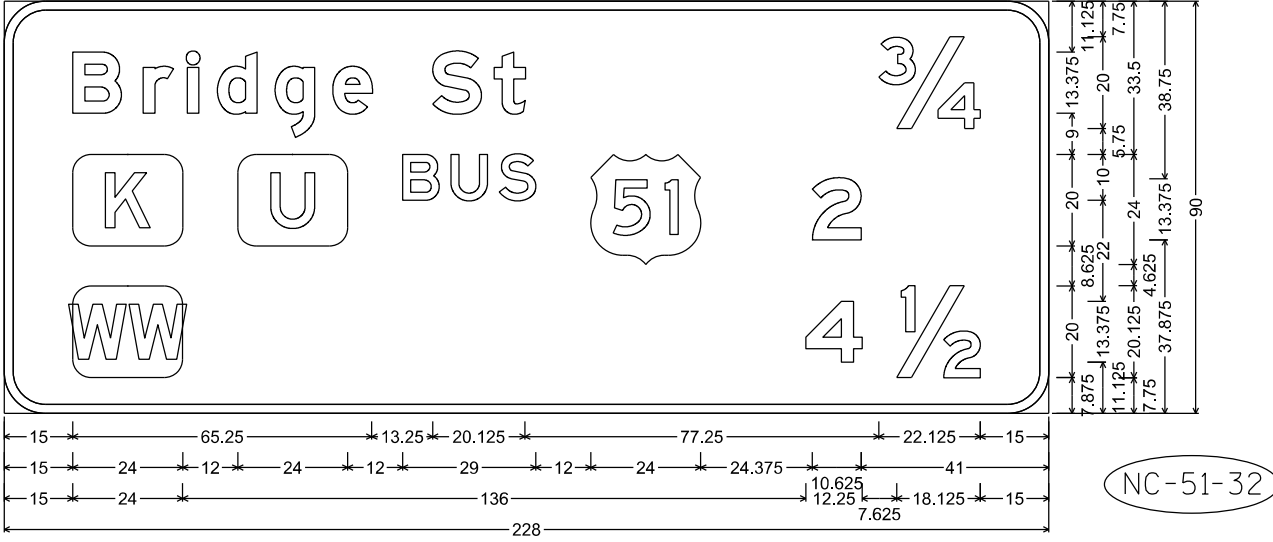
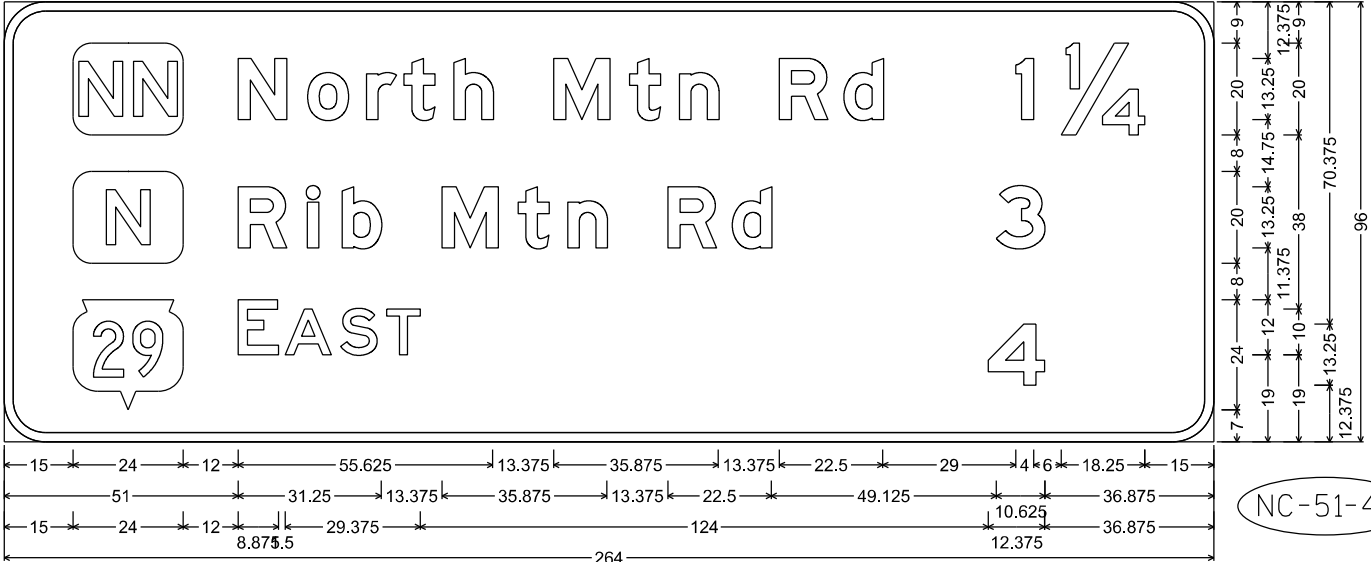
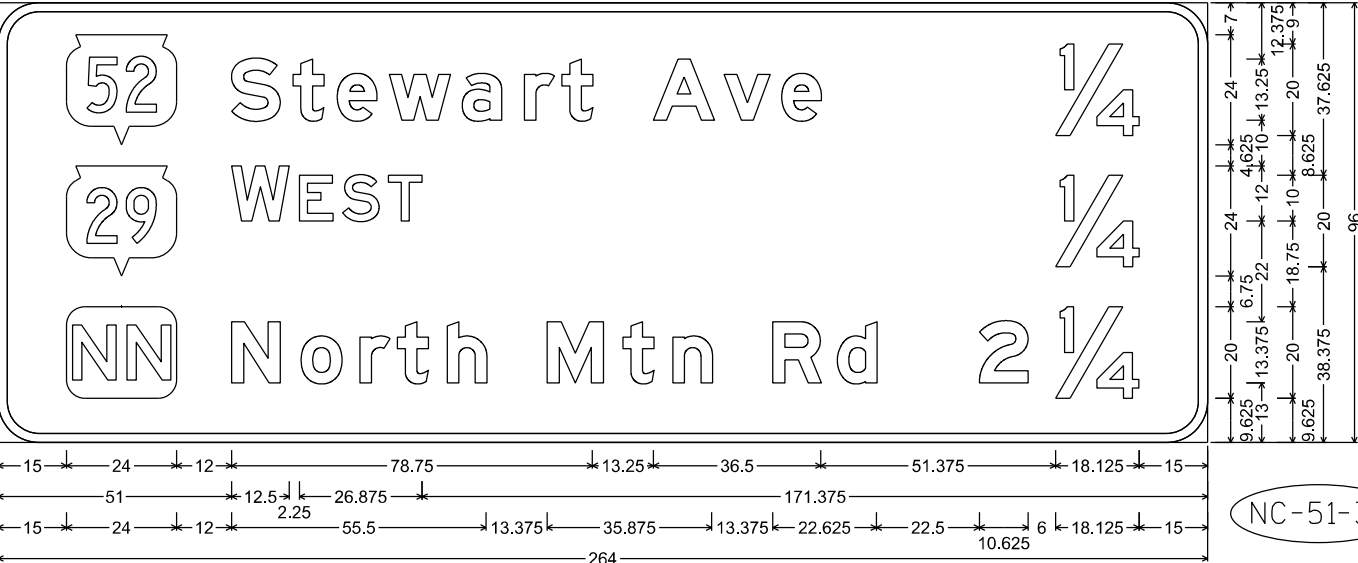
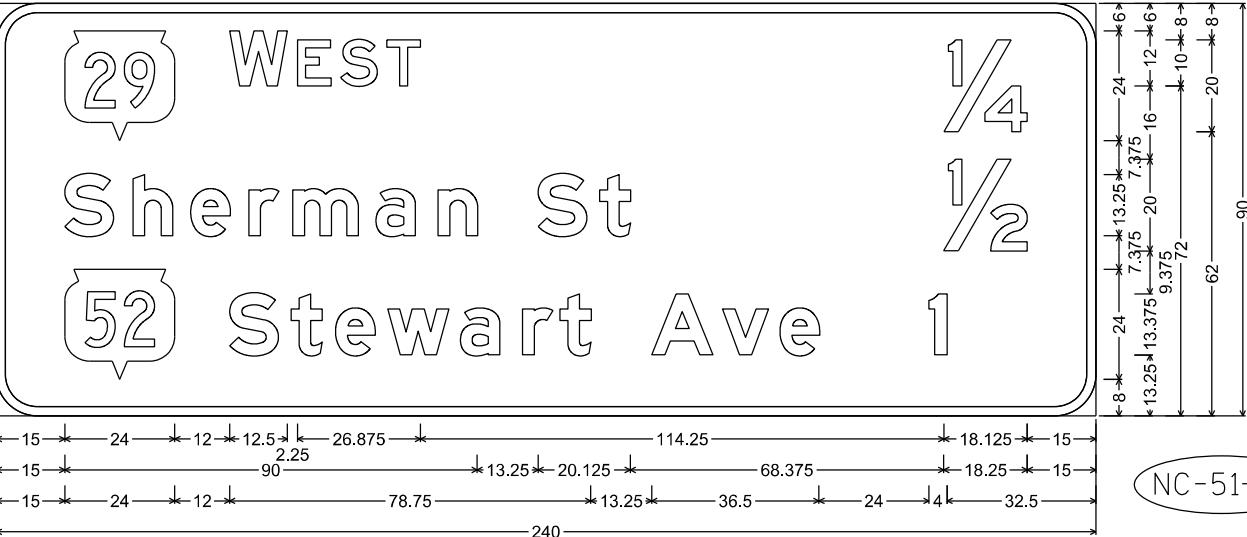
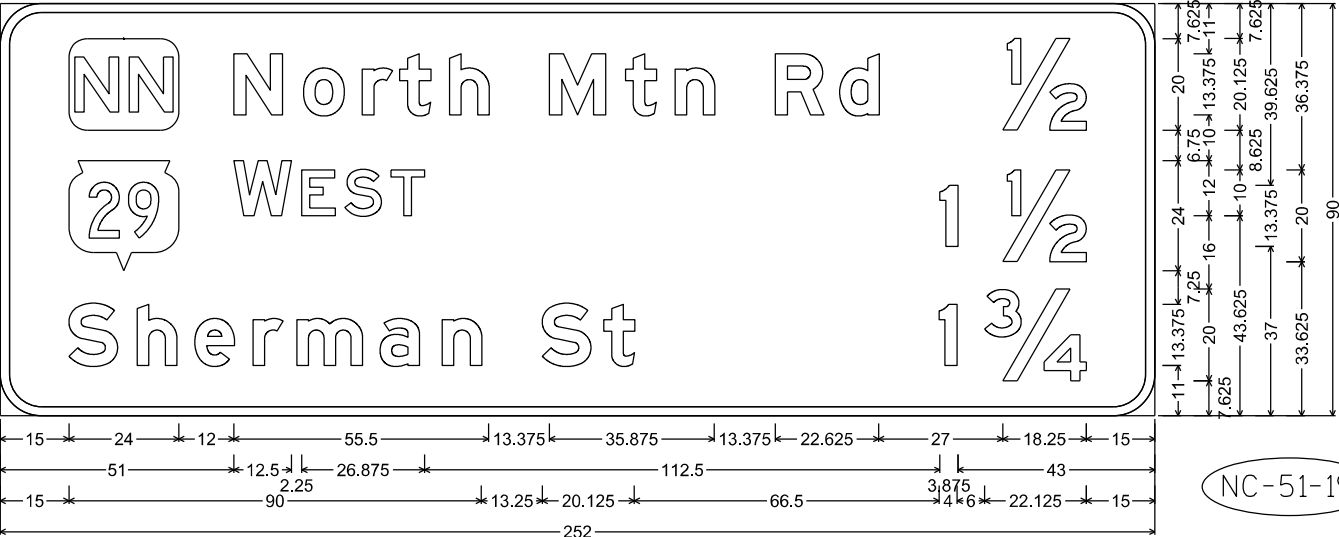
1. All Signs Type I - Type SH Reflective
2. Color:
Background - Green
Message - White
3. Message Series - E Modified except all CAP words Series E
4. Exit Only Panel on Yellow Type F Reflective Sheeting
with Black Non-Reflective Message



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

NC-51-44

7

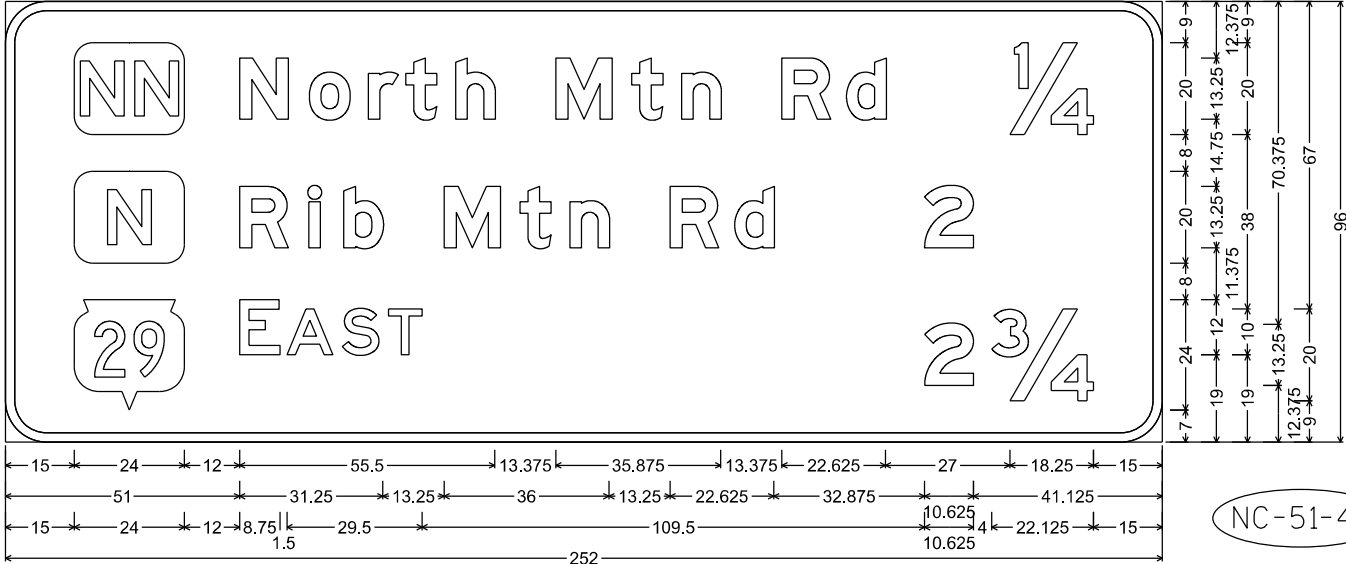


NOTES

- 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

7

7

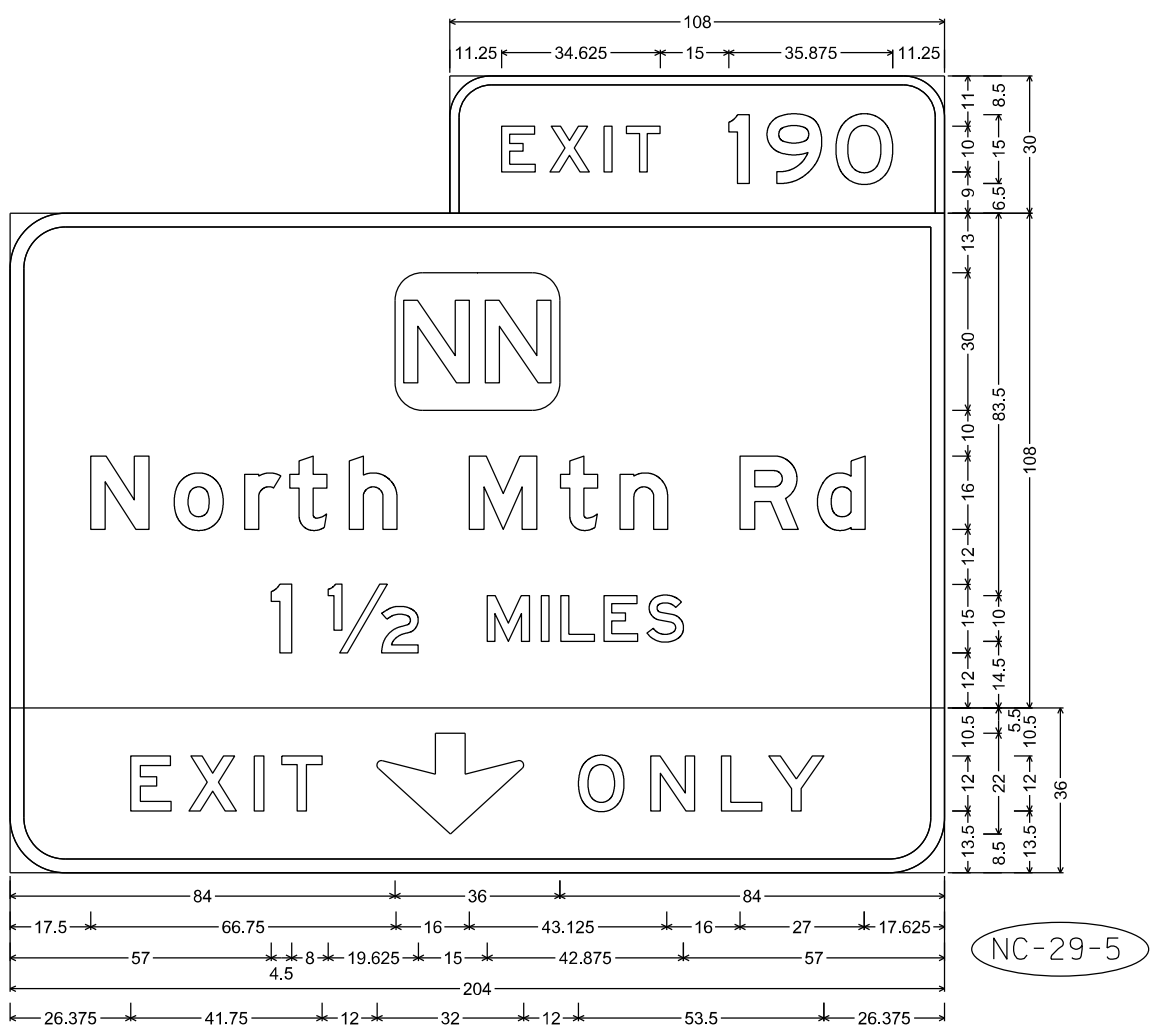


E8-1; 9.000" Radius, 2.000" Border

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

7

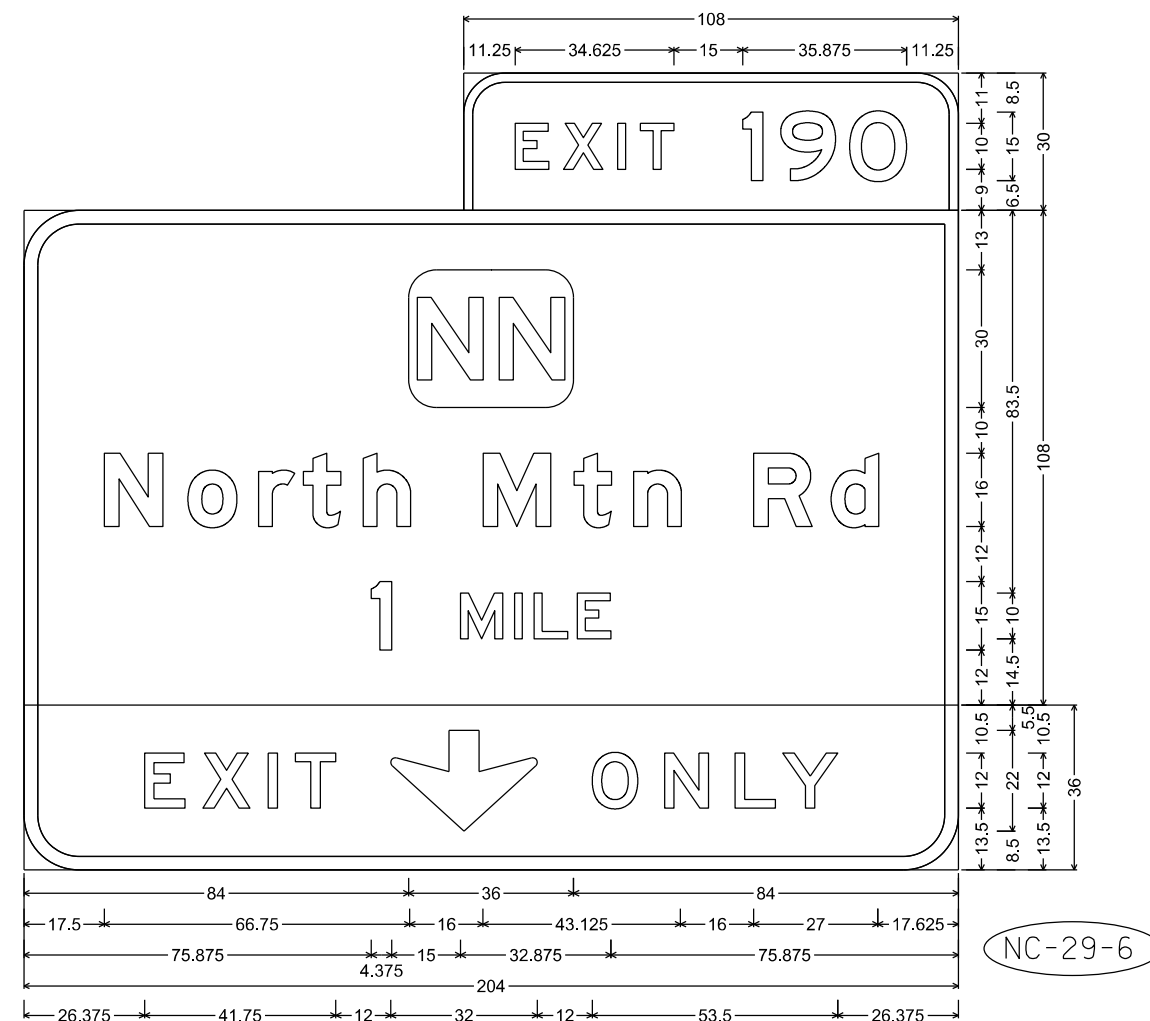


E1-5P; 9.000" Radius, 2.000" Border, White on, Green;
E6-51; 12.000" Radius, 3.000" Border, White on, Green;
E11-1; 12.000" Radius, 3.000" Border, Black on, Yellow;

NC-29-5

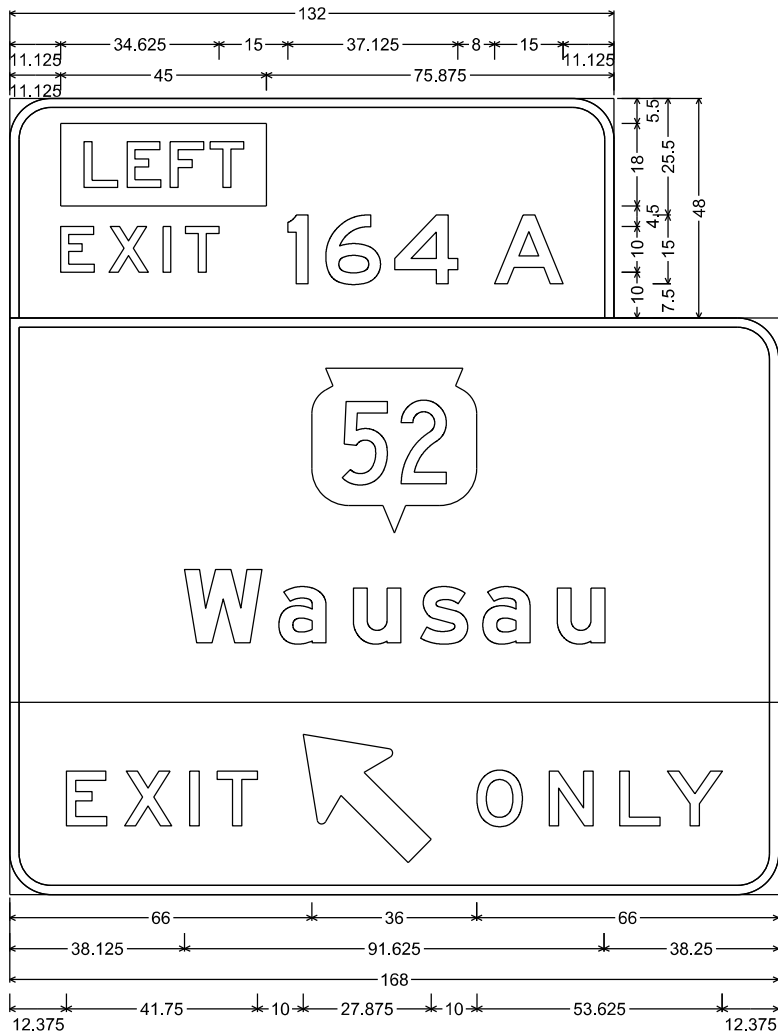
NOTES

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



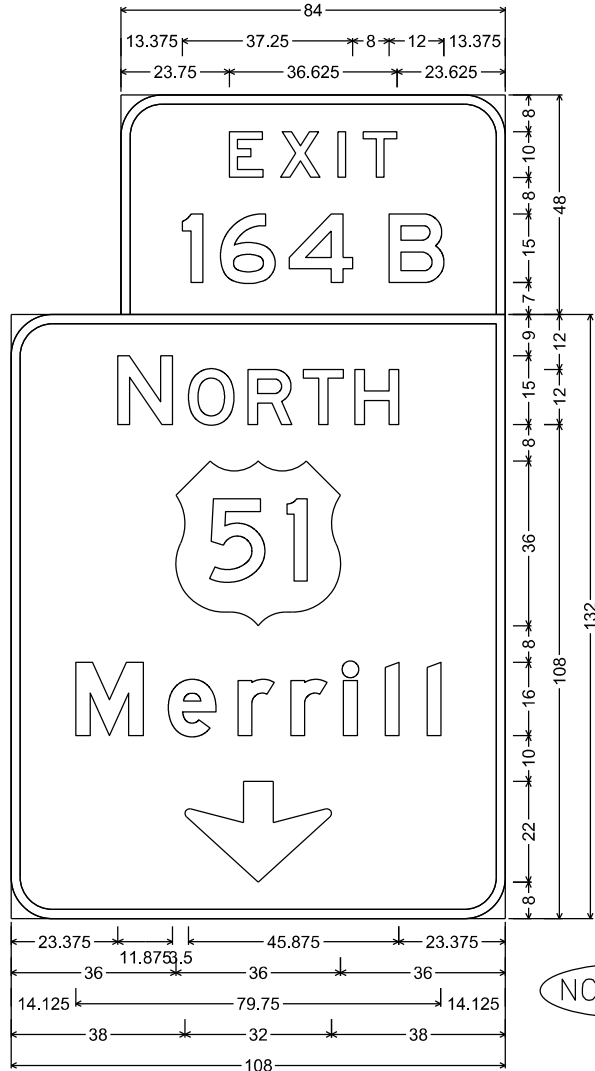
E1-5P; 9.000" Radius, 2.000" Border, White on, Green;
E6-51; 12.000" Radius, 3.000" Border, White on, Green;
E11-1; 12.000" Radius, 3.000" Border, Black on, Yellow;

NC-29-6



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

NC-29-2

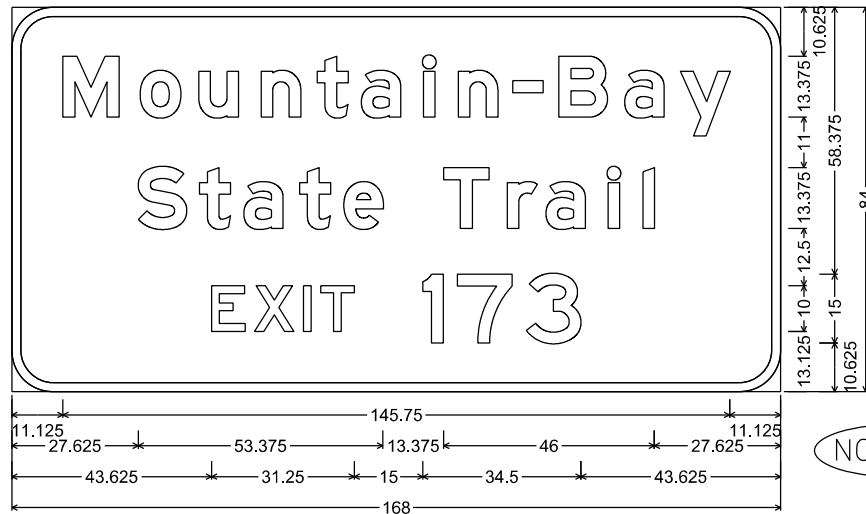


E1-5SP; 9.000" Radius, 2.000" Border
E6-51; 9.000" Radius, 2.000" Border

NC-29-3

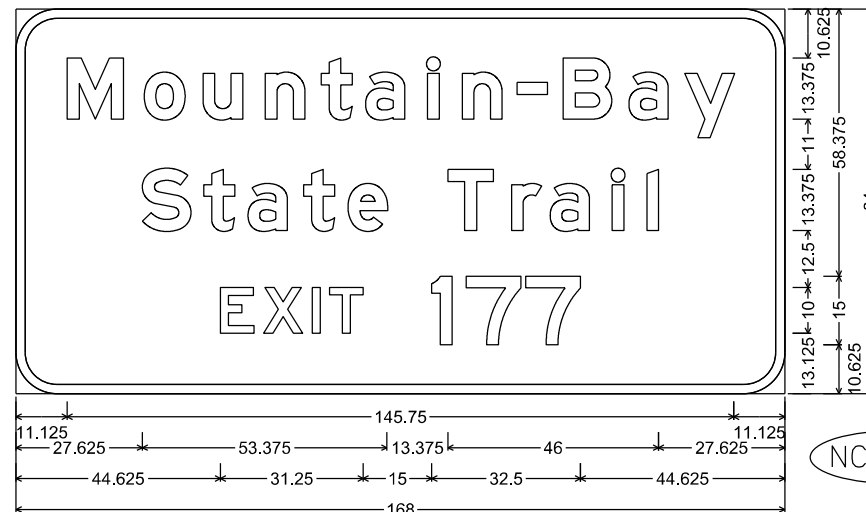
NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all CAP words Series E
4. Exit Only Panel and Left Plaque on Yellow Type F Reflective
Sheeting with Black Non-Reflective Message



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

NC-29-7

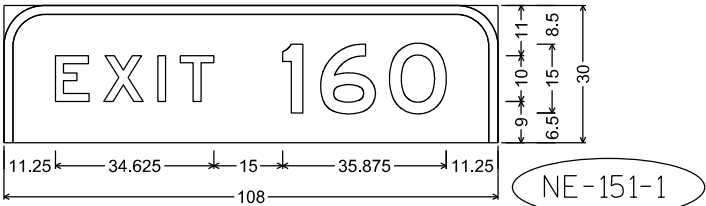


E3-1; 9.000" Radius, 2.000" Border, White on, Brown

NC-29-8

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

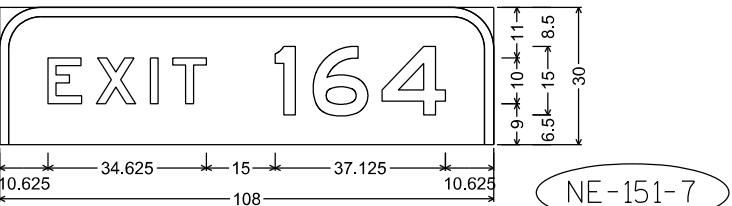


E1-5P; 9.000" Radius, 2.000" Border

NE-151-2

NE-151-18

NE-151-19

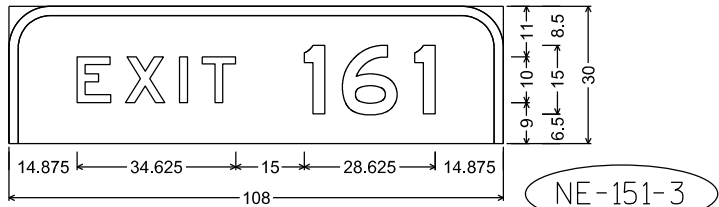


E1-5P; 9.000" Radius, 2.000" Border

NE-151-8

NE-151-13

NE-151-14

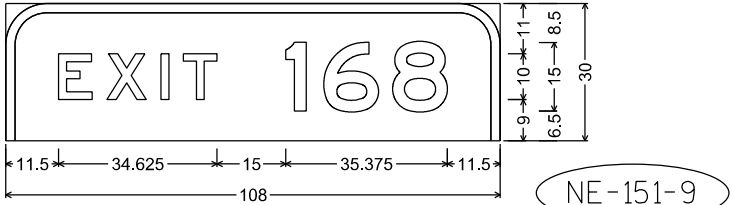


E1-5P; 9.000" Radius, 2.000" Border

NE-151-4

NE-151-16

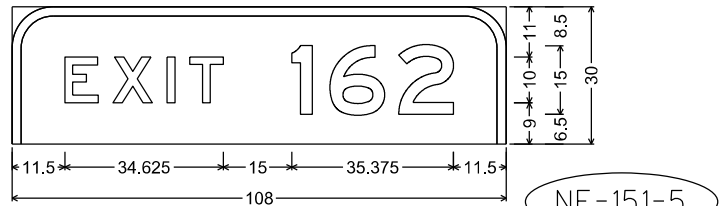
NE-151-17



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

NE-151-11

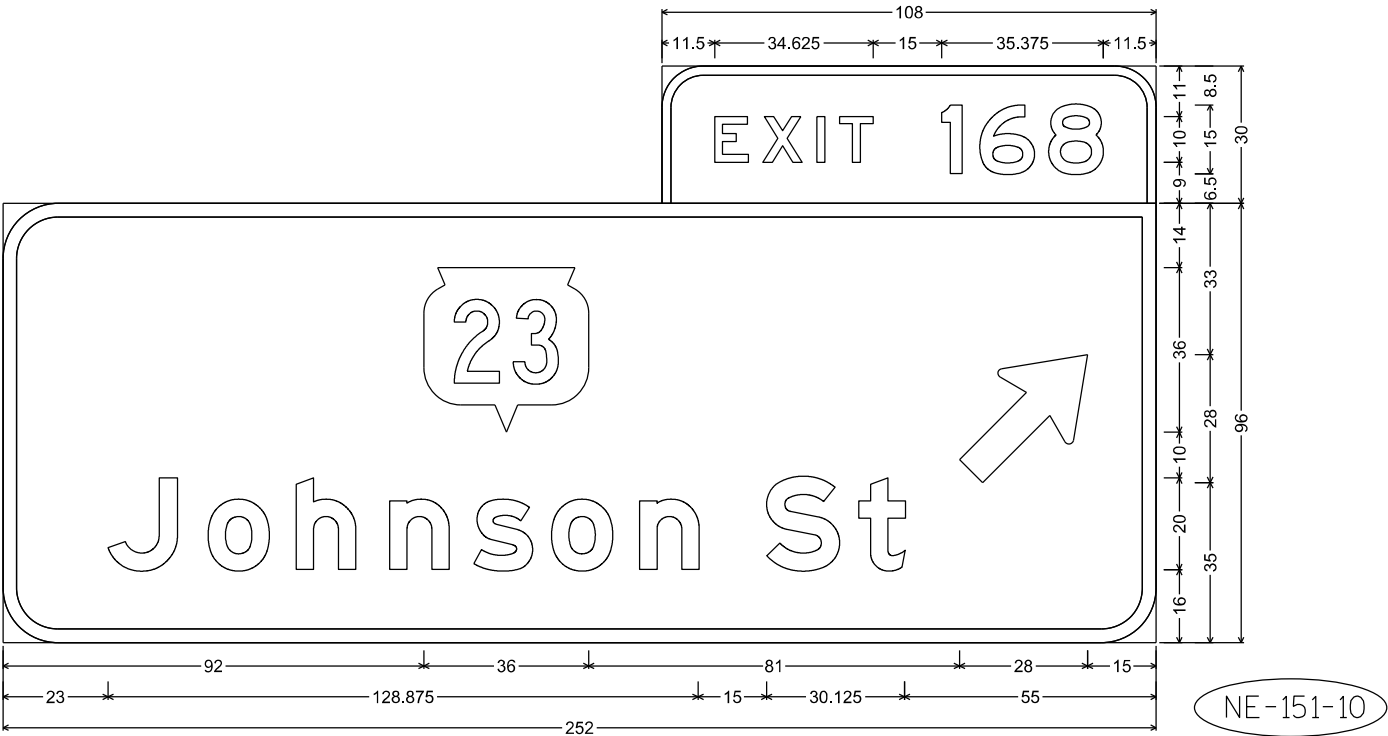
NE-151-12



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

NE-151-6

NE-151-15

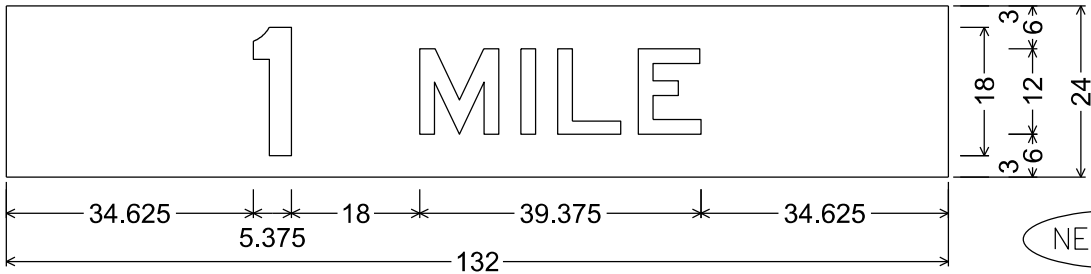


E1-5P; 9.000" Radius, 2.000" Border

E4-1A; 12.000" Radius, 3.000" Border

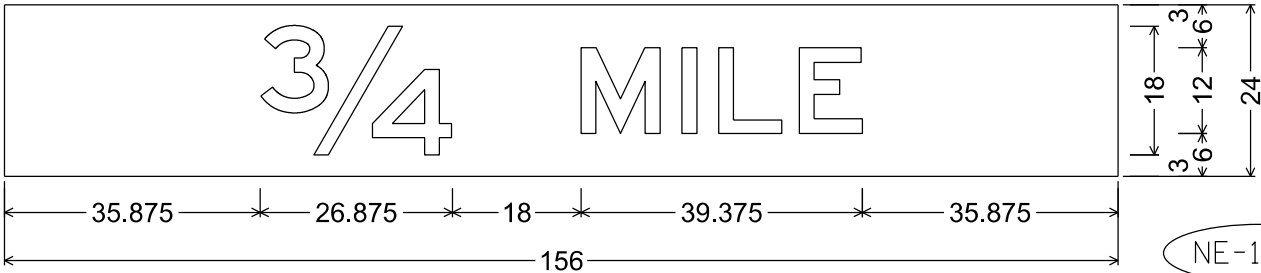
NOTES

- 1. All Signs Type II - Type SH Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E
- 4. Signs on .040" Aluminum blank



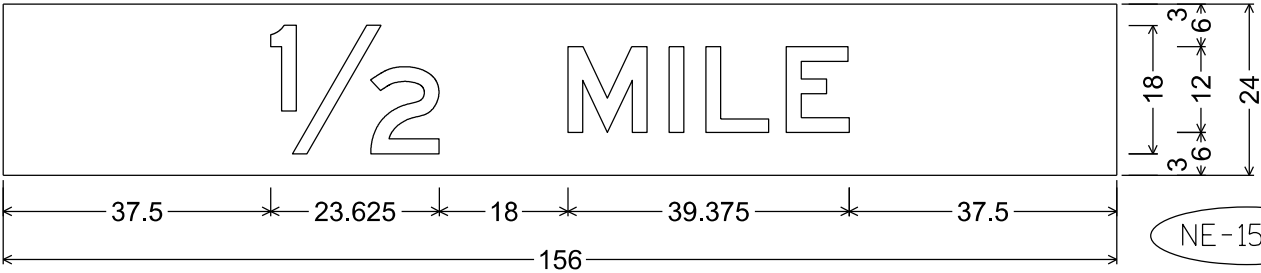
No border, White on, Green;

- NE-151-1
- NE-151-3
- NE-151-9
- NE-151-13
- NE-151-18



No border, White on, Green;

- NE-151-5
- NE-151-7

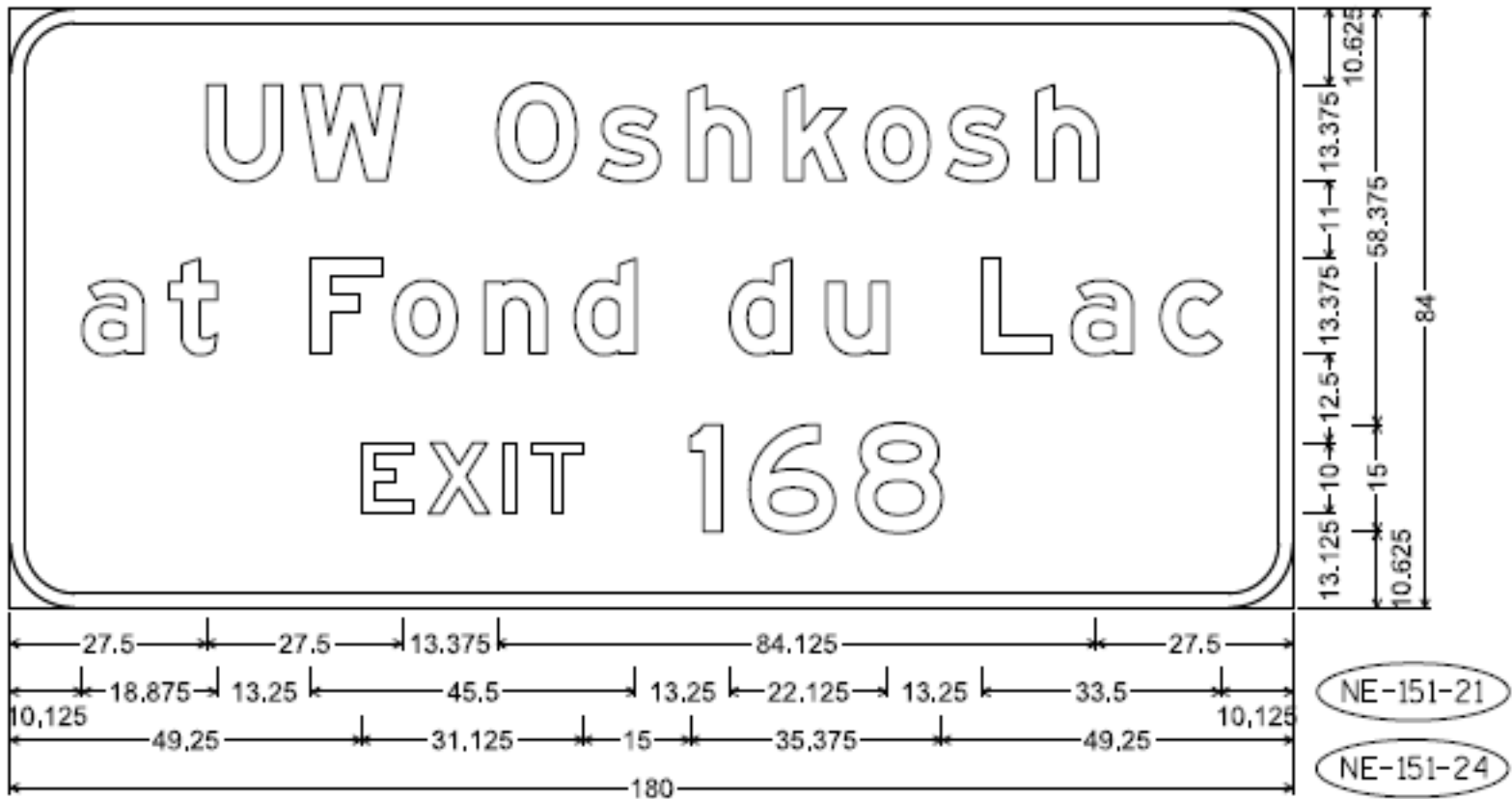


No border, White on, Green;

- NE-151-11
- NE-151-16

NOTES

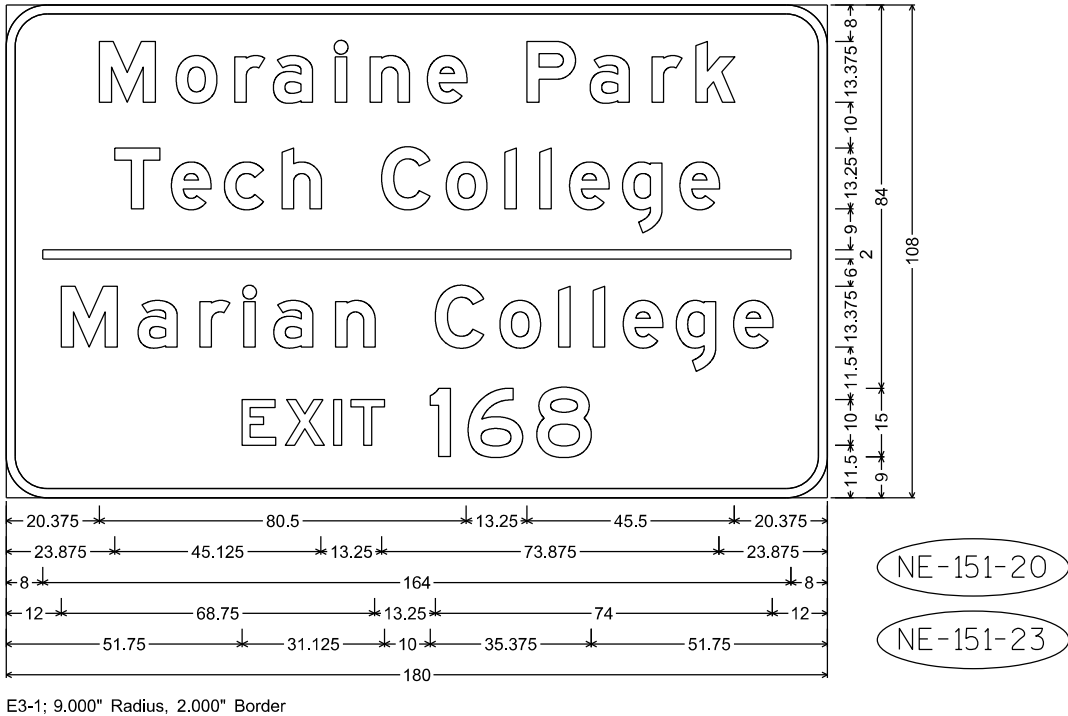
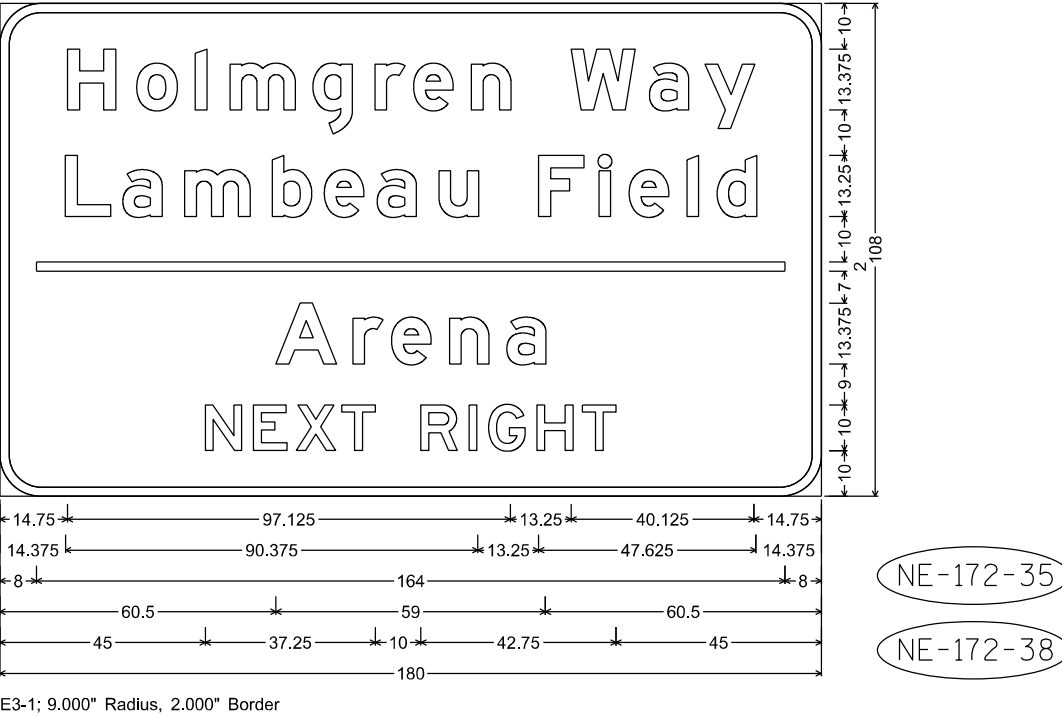
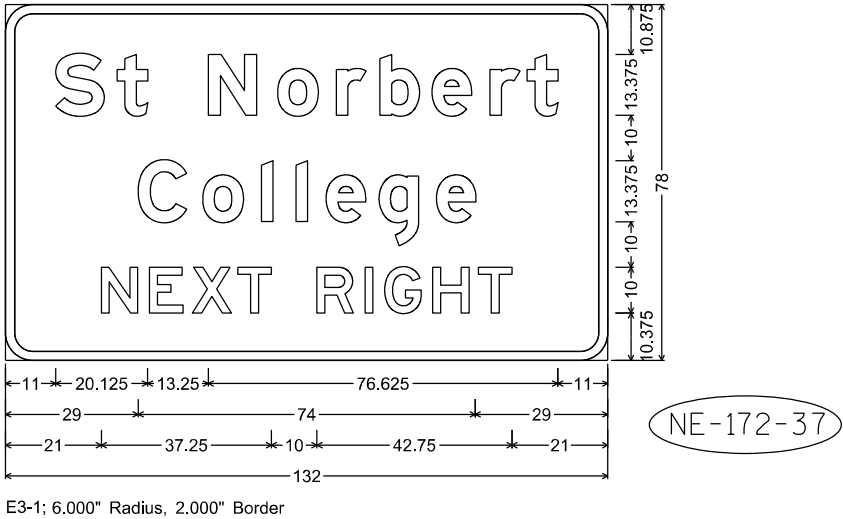
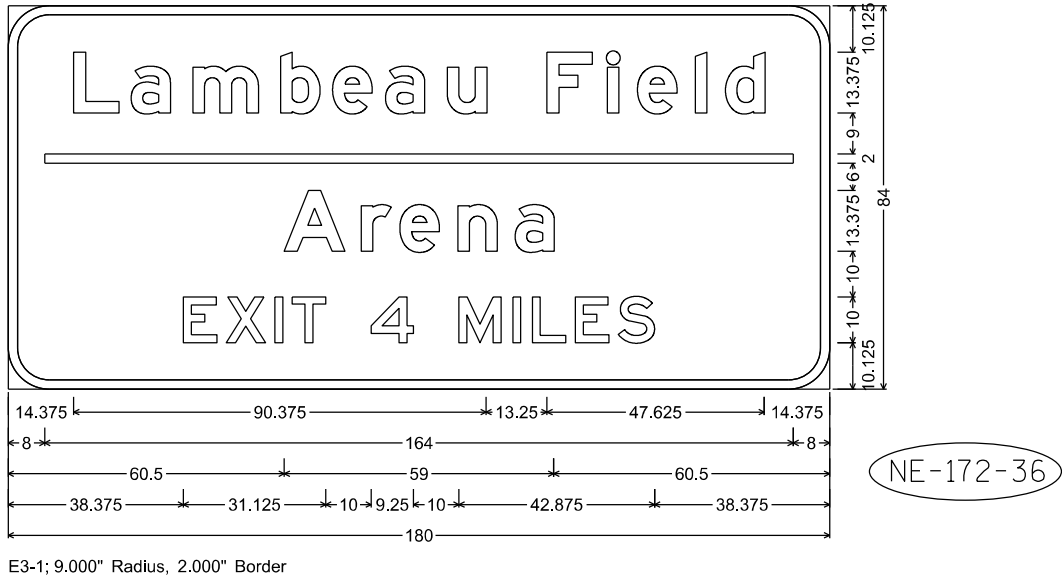
- 1. All Signs Type I - Type SH Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E Modified except all CAP words Series E



E3-1; 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

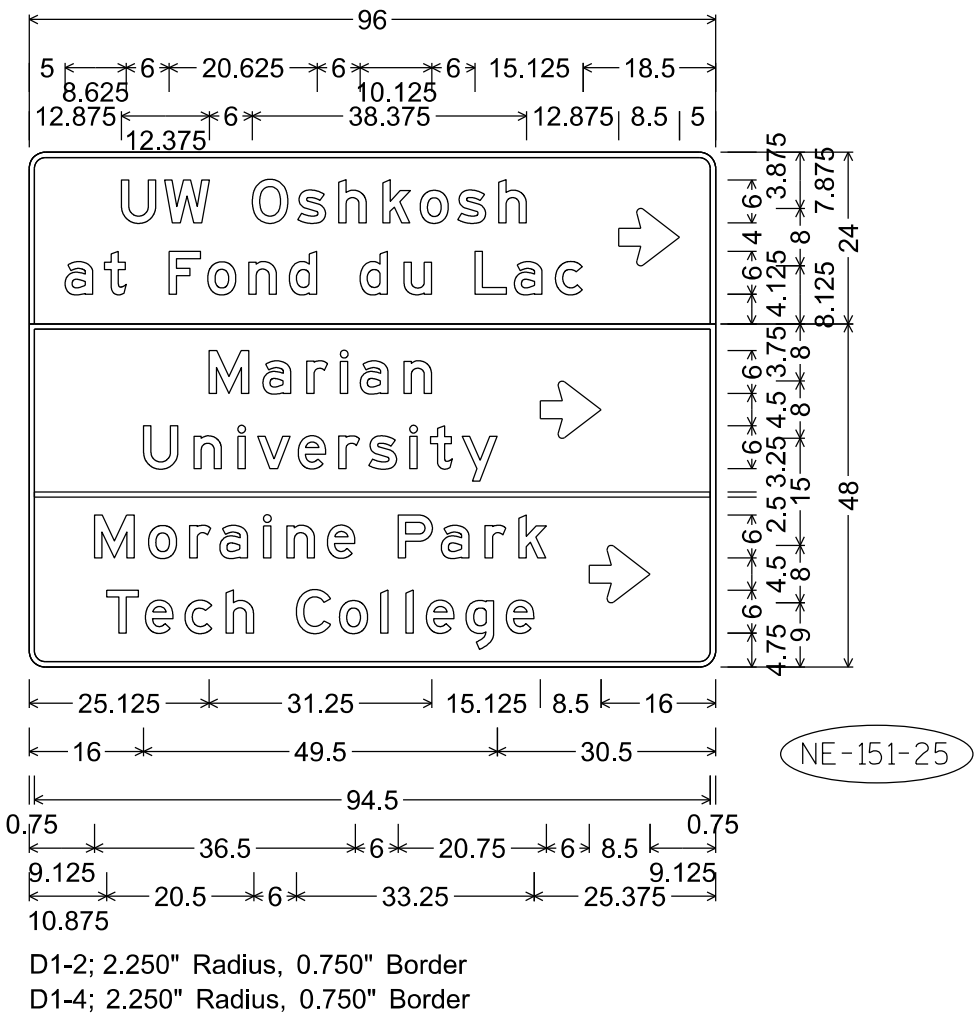
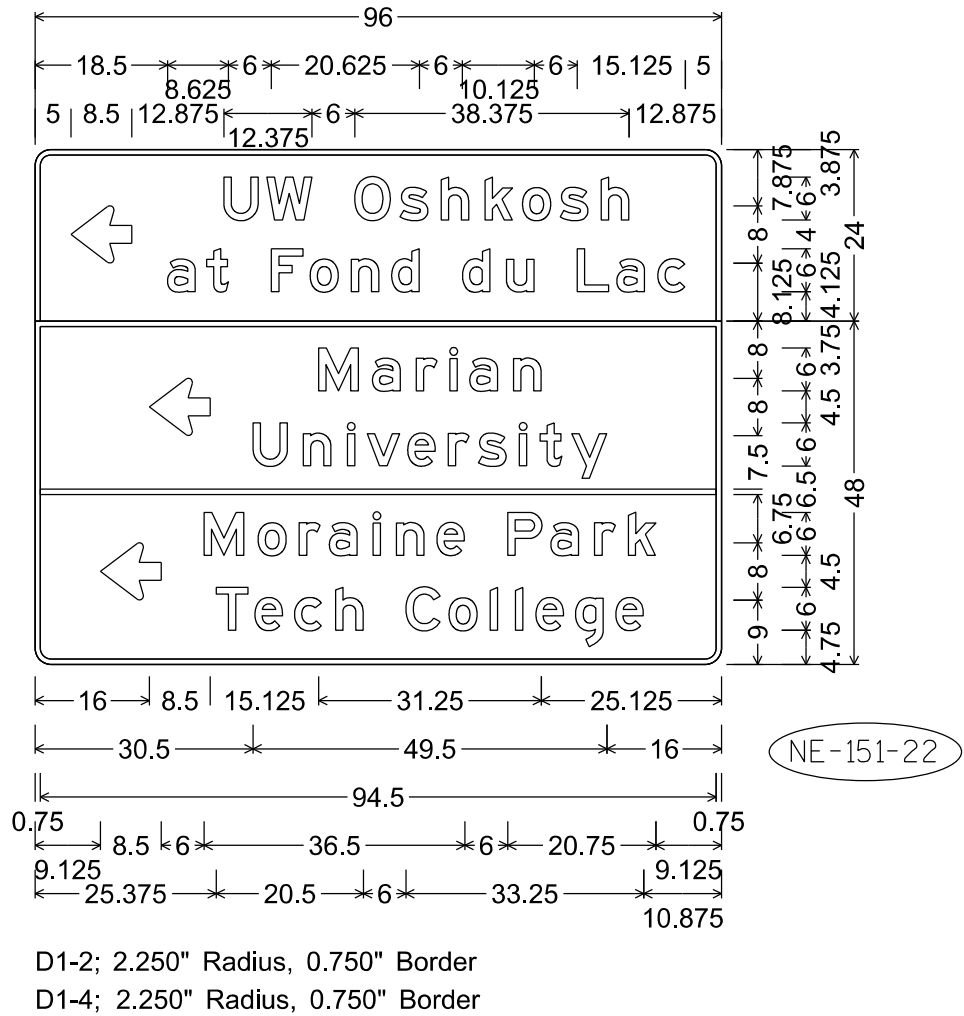


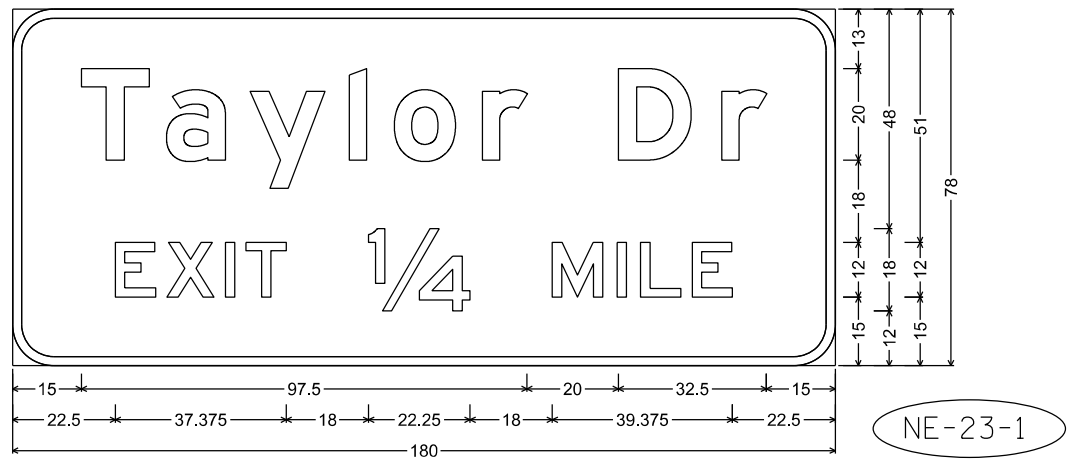
7

7

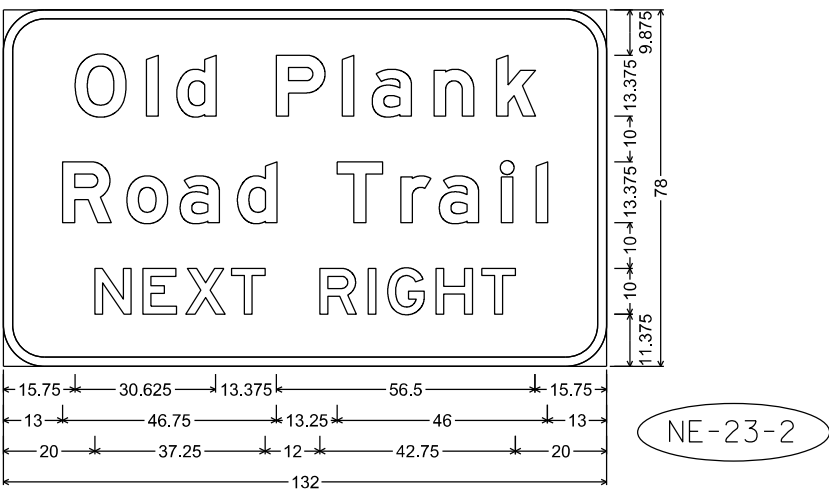
NOTES

- 1. All Signs Type II - Type H Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E

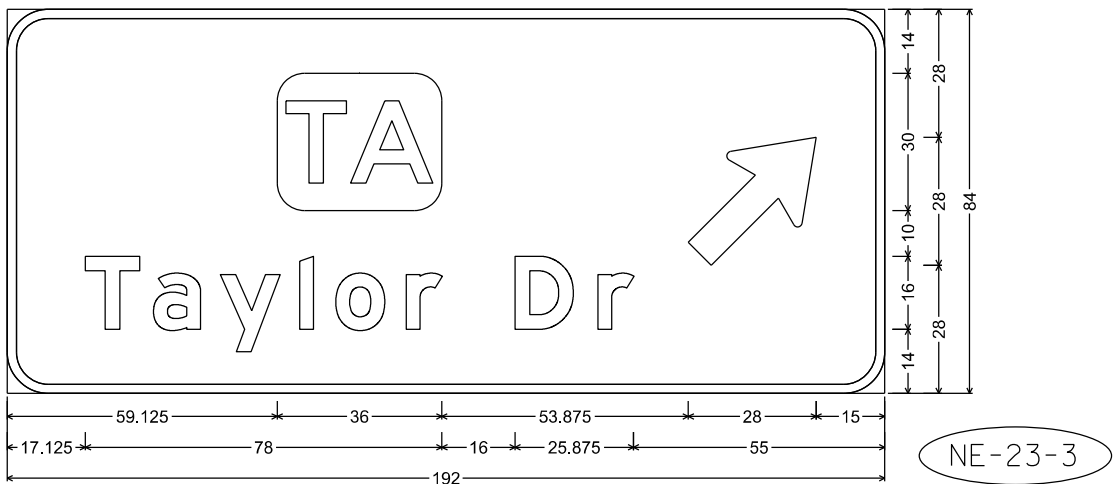




E1-1A; 9.000" Radius, 2.000" Border



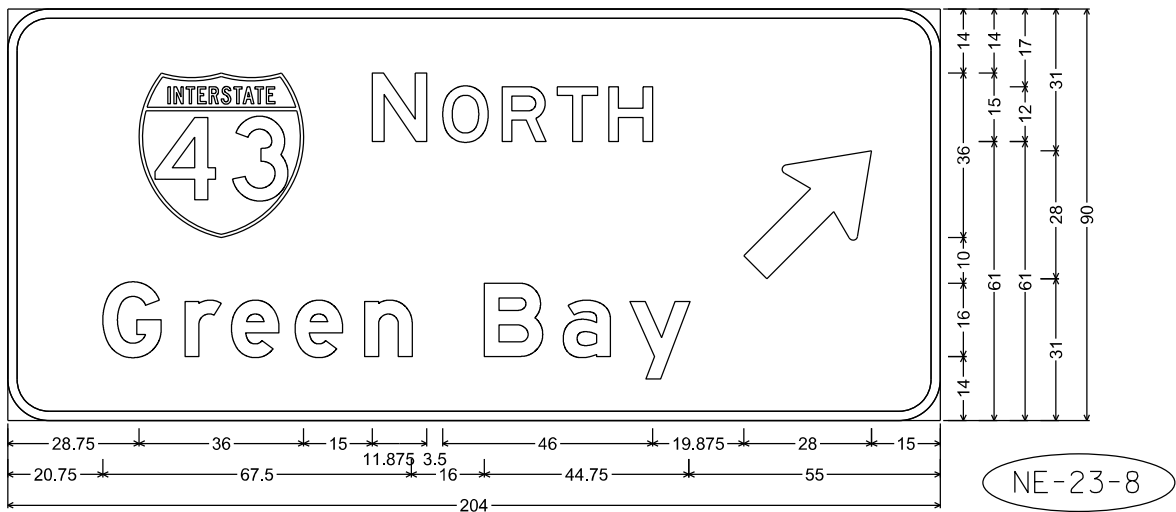
E3-1; 9.000" Radius, 2.000" Border, White on, Brown



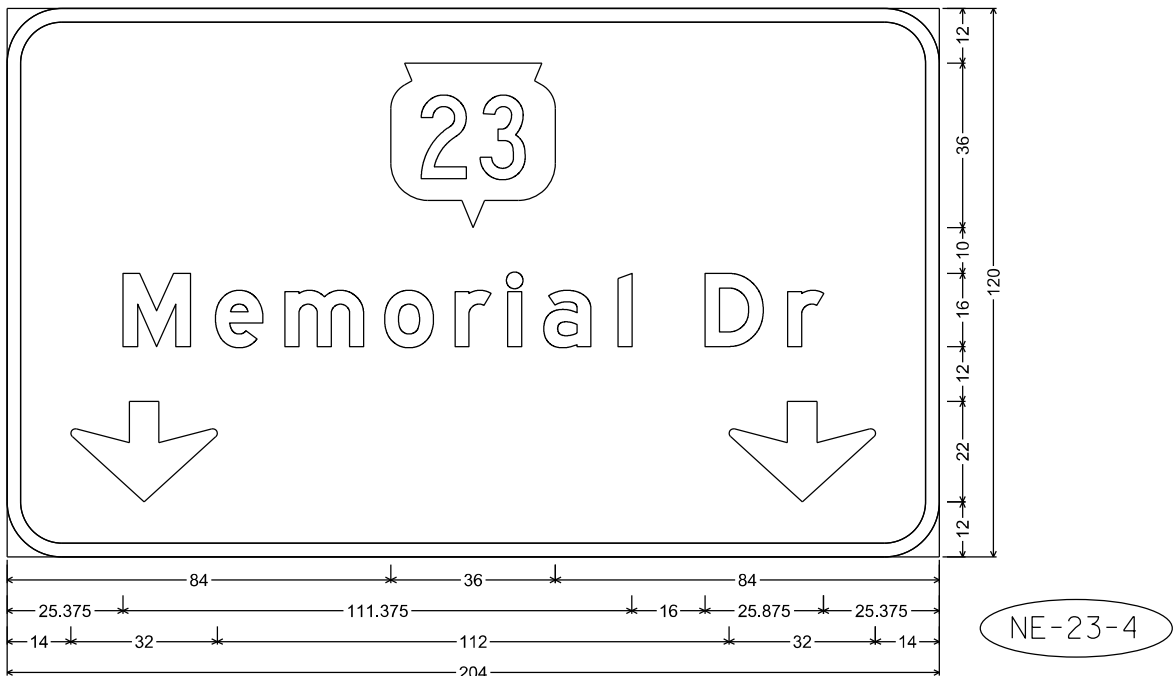
E6-1; 9.000" Radius, 2.000" Border

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all CAP words Series E



E6-1; 9.000" Radius, 2.000" Border



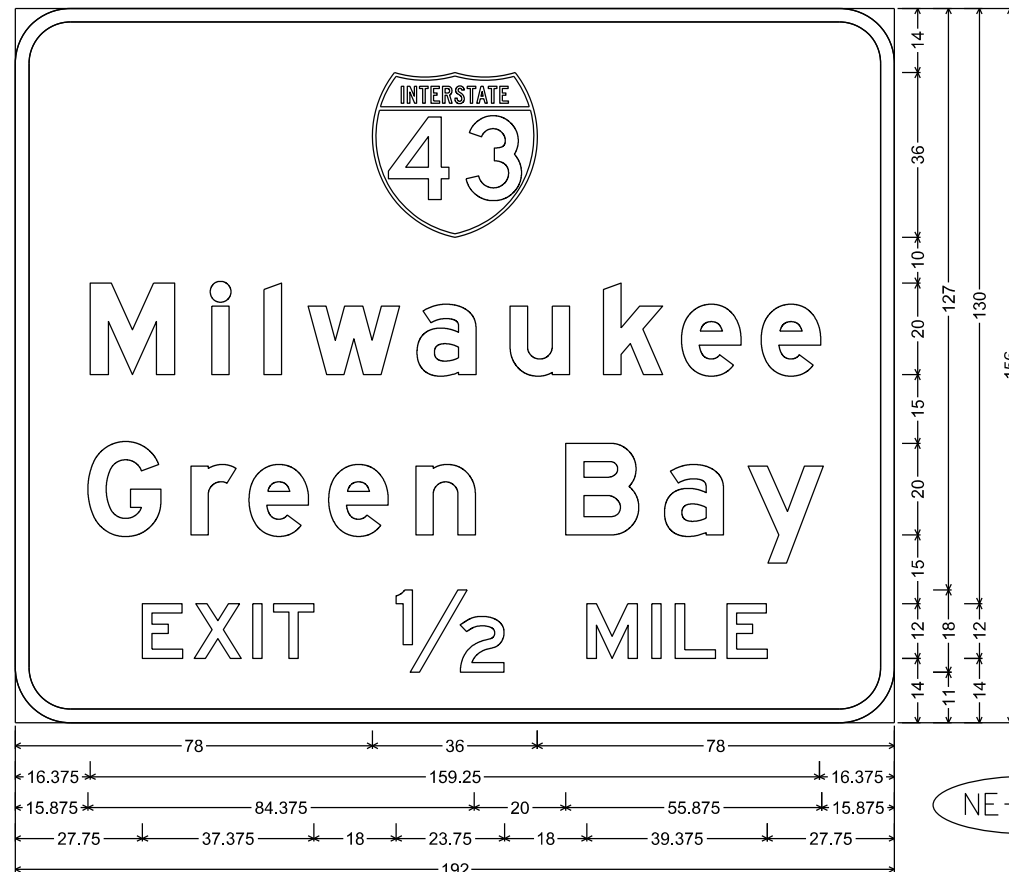
E6-51; 12.000" Radius, 3.000" Border

7

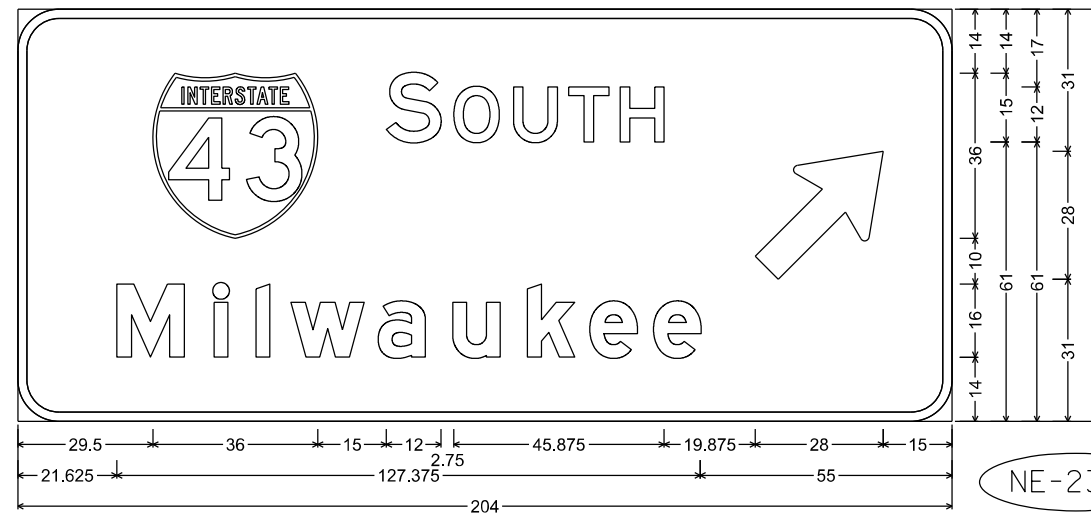
7

NOTES

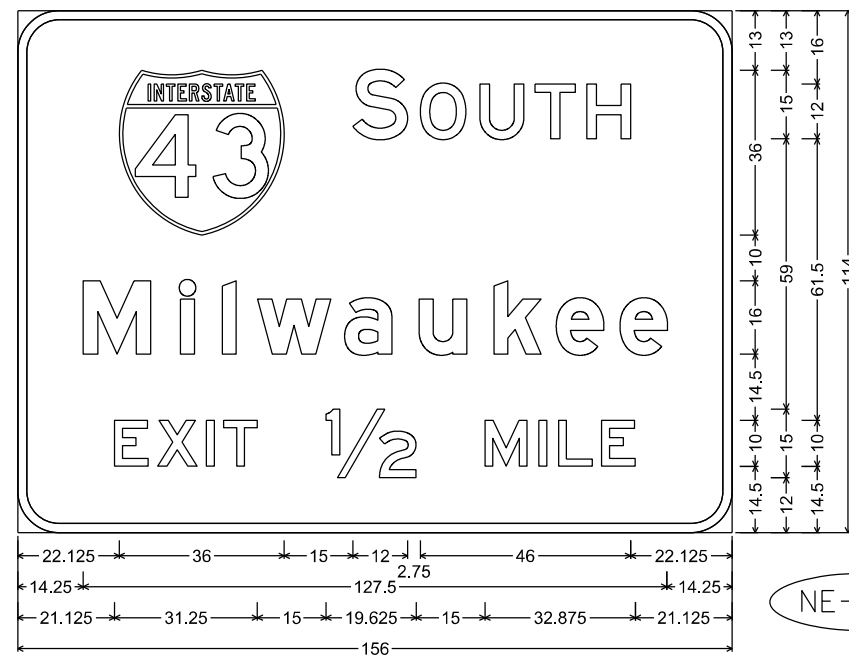
1. All Signs Type I - Type SH Reflective
2. Color:
Background - Green
Message - White
3. Message Series - E Modified except all CAP words Series E



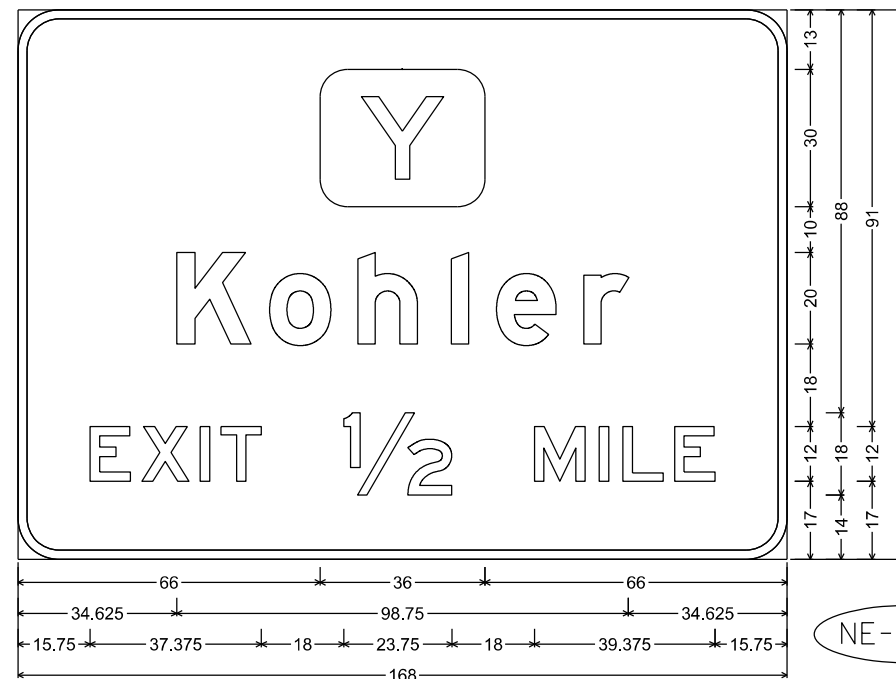
NE-23-6



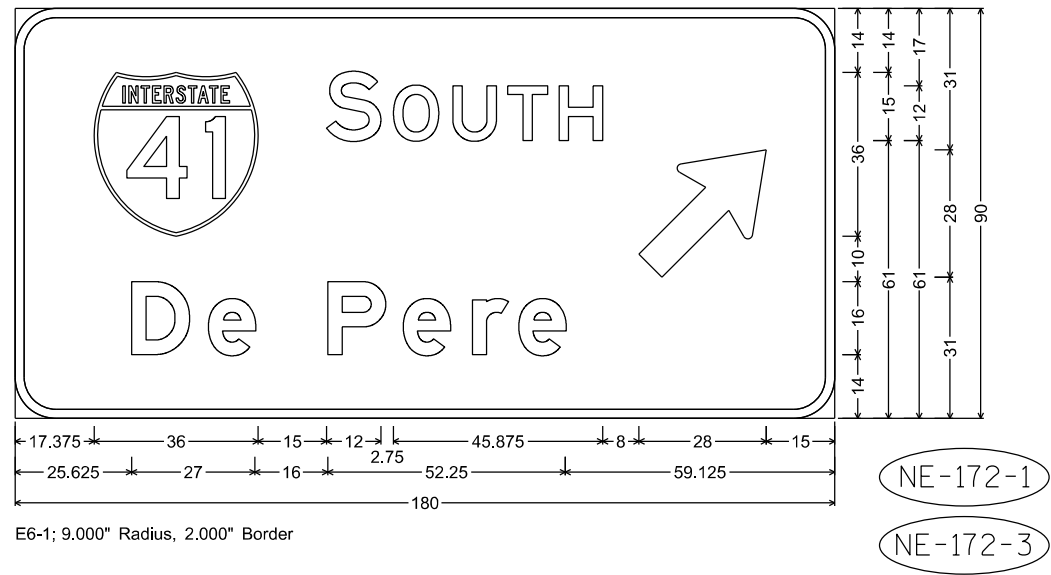
NE-23-9



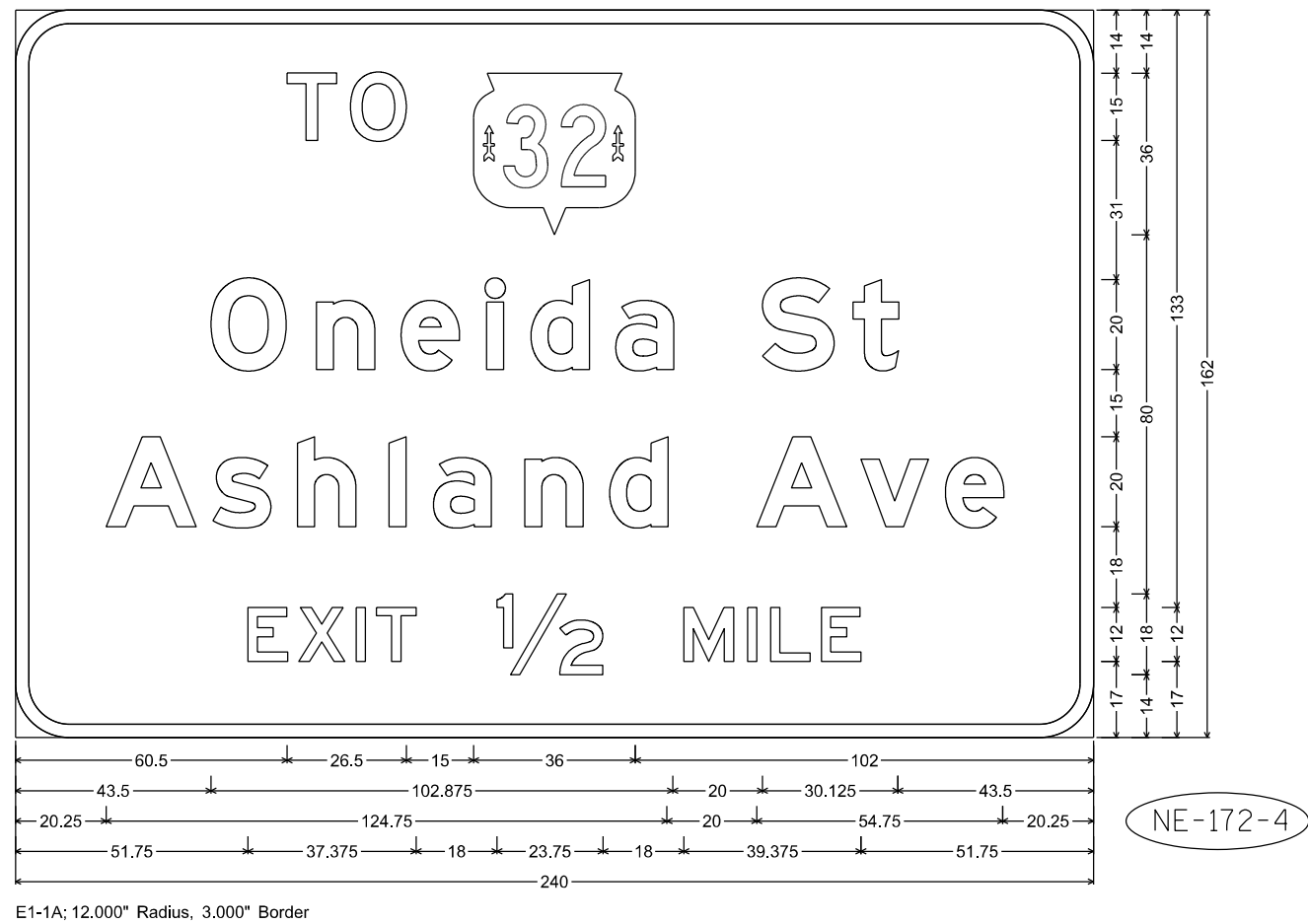
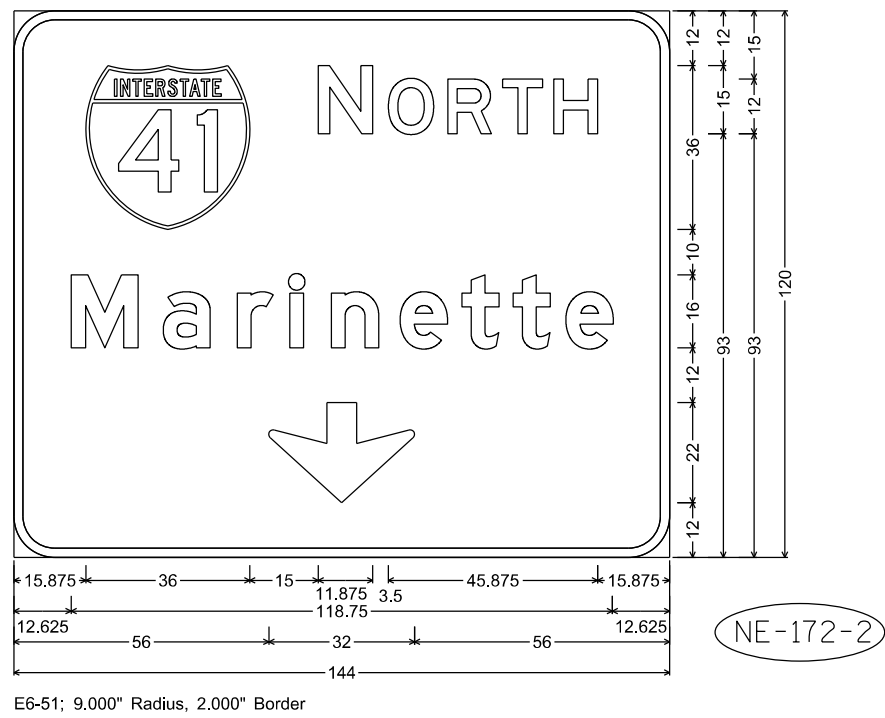
NE-23-7



NE-23-10



- 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

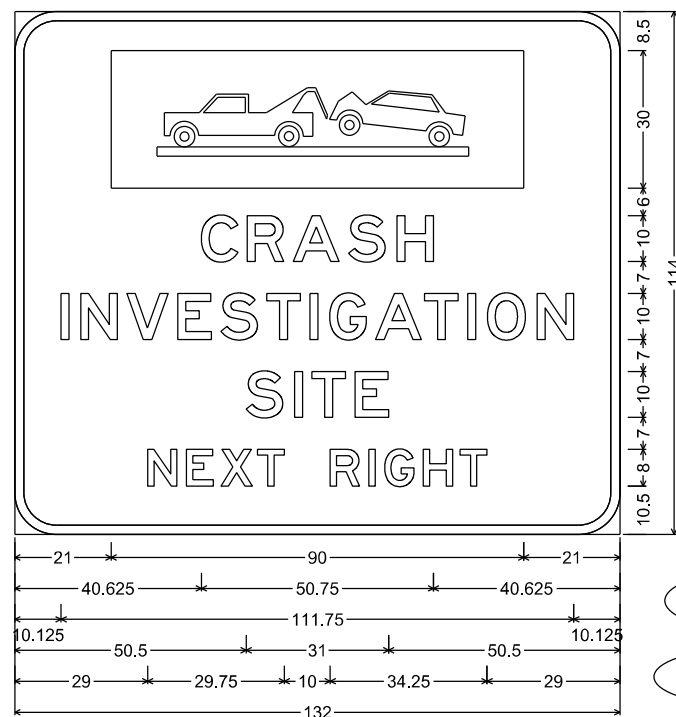




E6-1; 12.000" Radius, 3.000" Border

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

NE-172-5



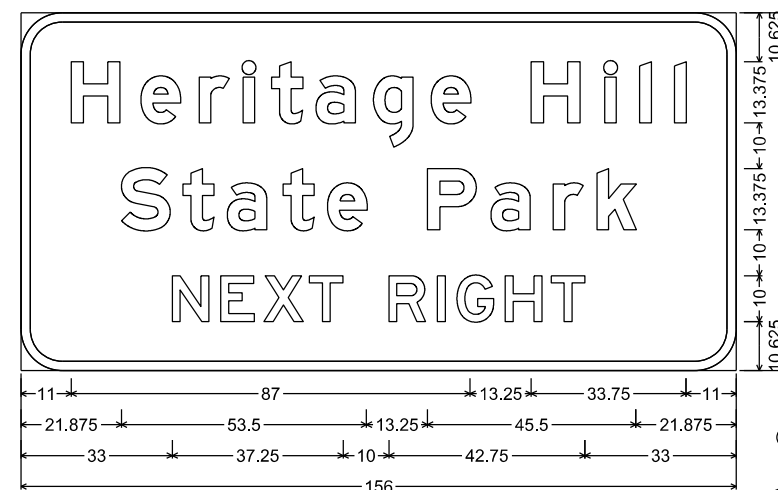
E3-1; 9.000" Radius, 2.000" Border, White on, Blue

(NE-172-6)

NE-172-31

NOTES

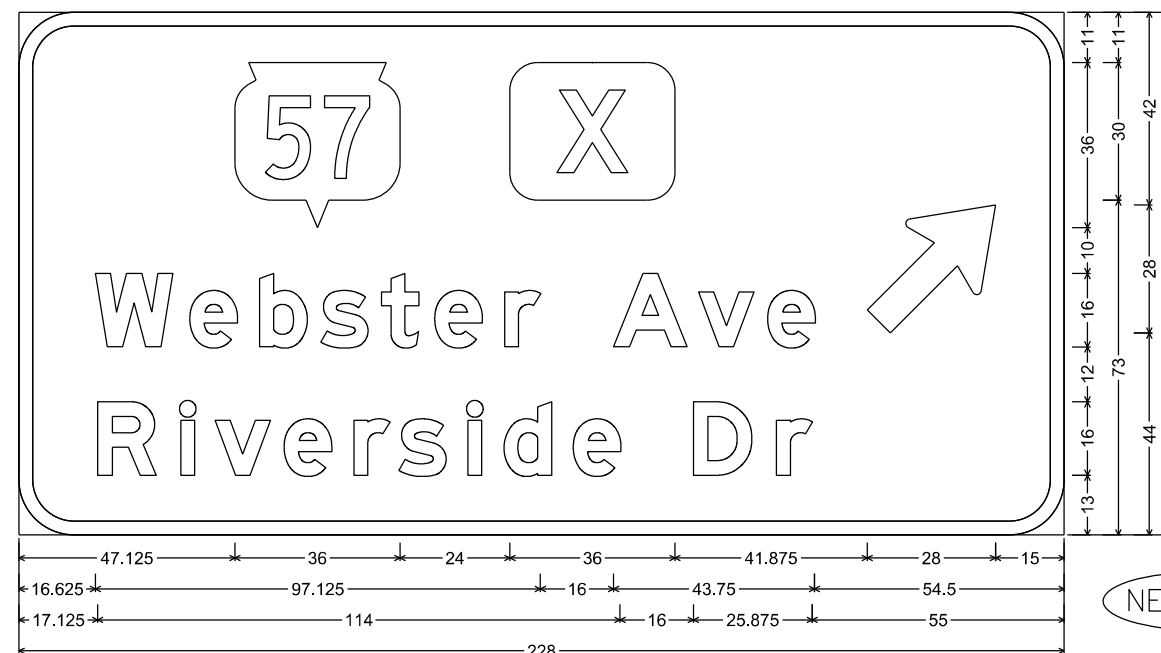
1. All Signs Type I - Type SH Reflective
2. Color:
 - Background - Green except as noted
 - Message - White
3. Message Series - E Modified except all CAP words Series E
4. Exit Only Panel on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



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

NE-172-7

NE-172-26

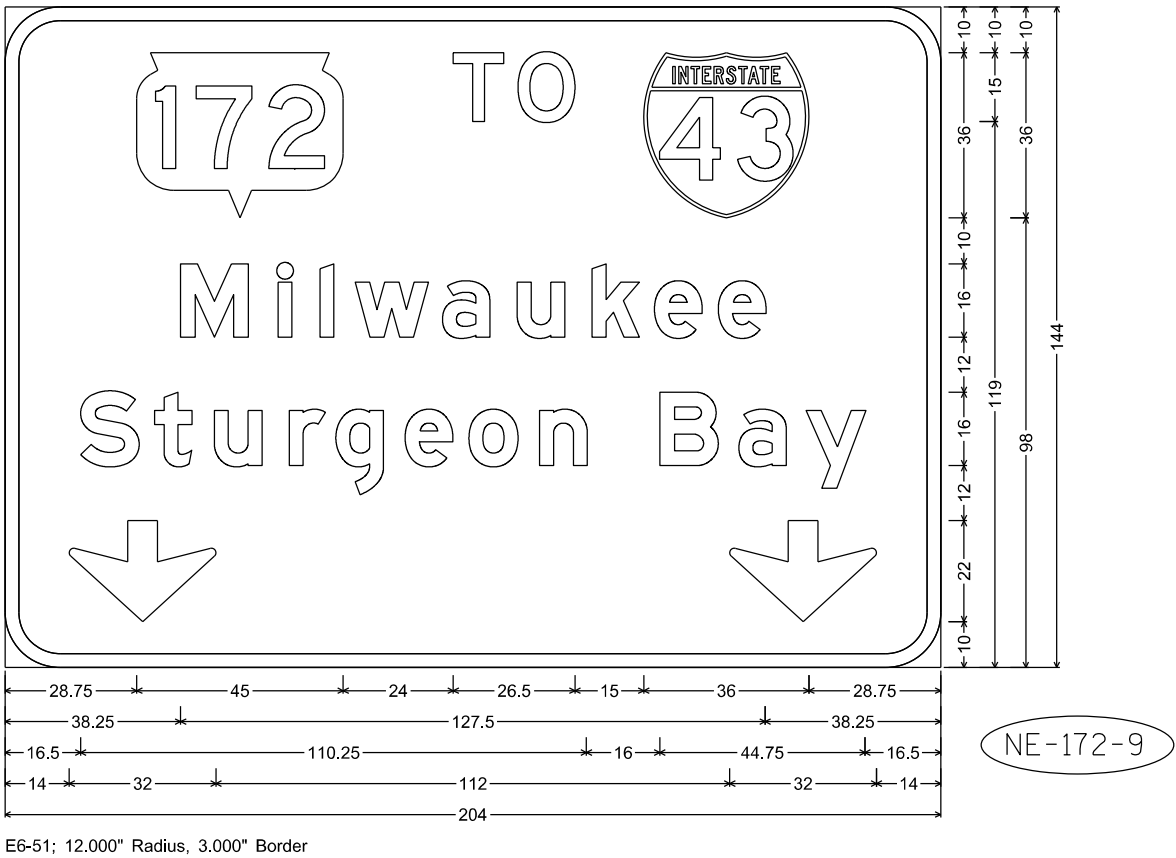
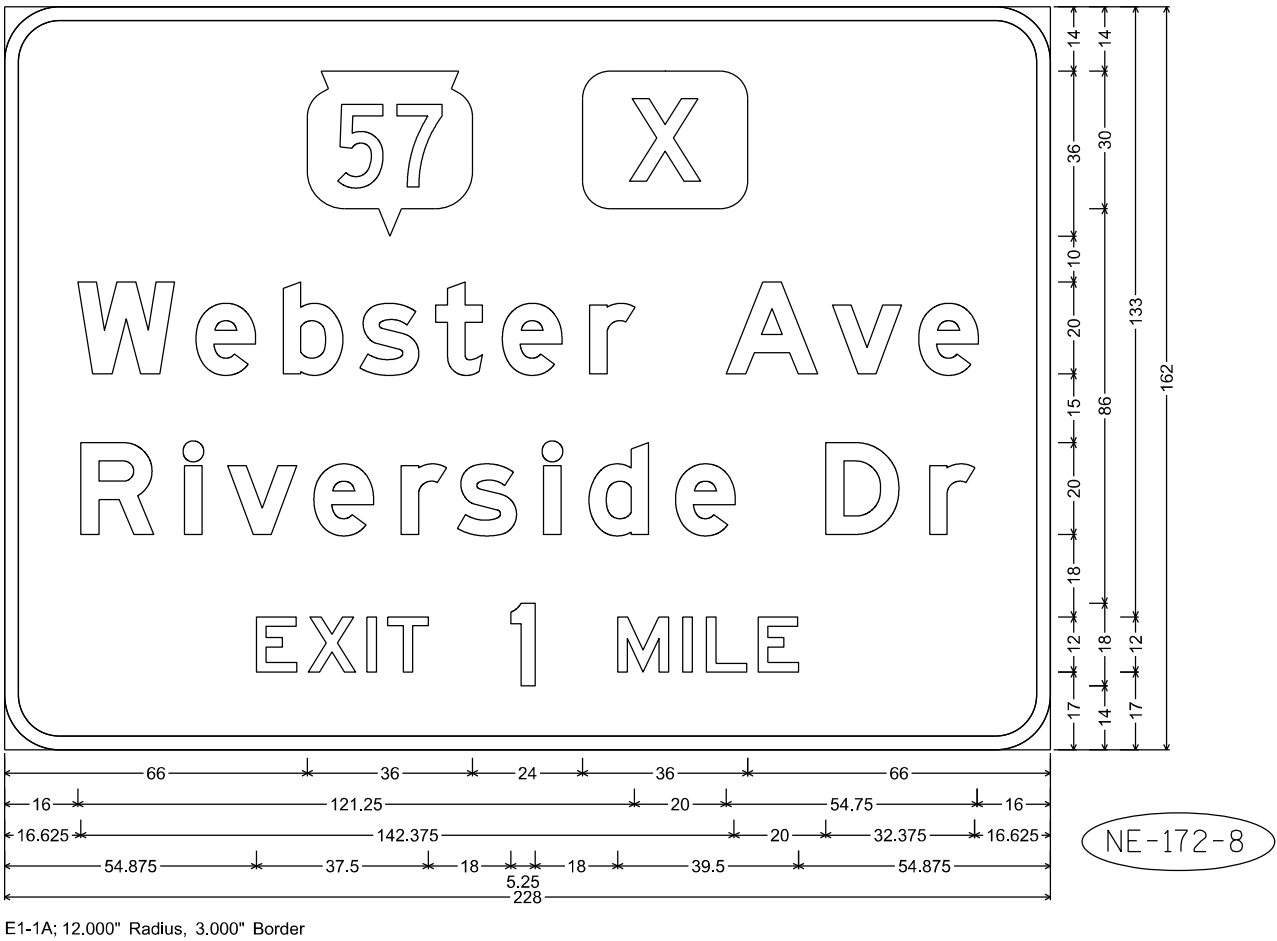


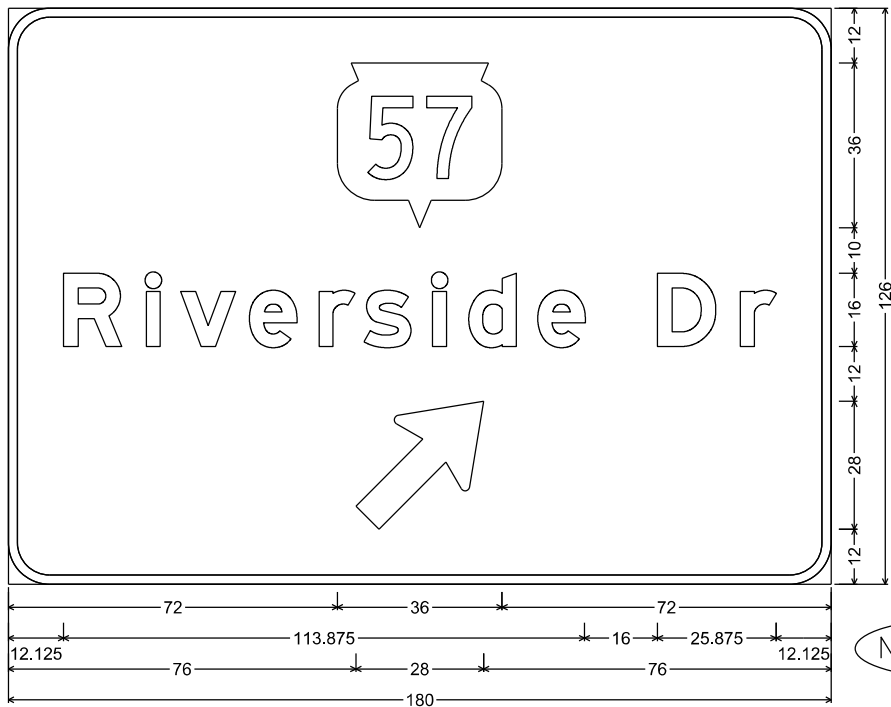
E6-1: 12.000" Radius, 3.000" Border

NE-172-10

NOTES

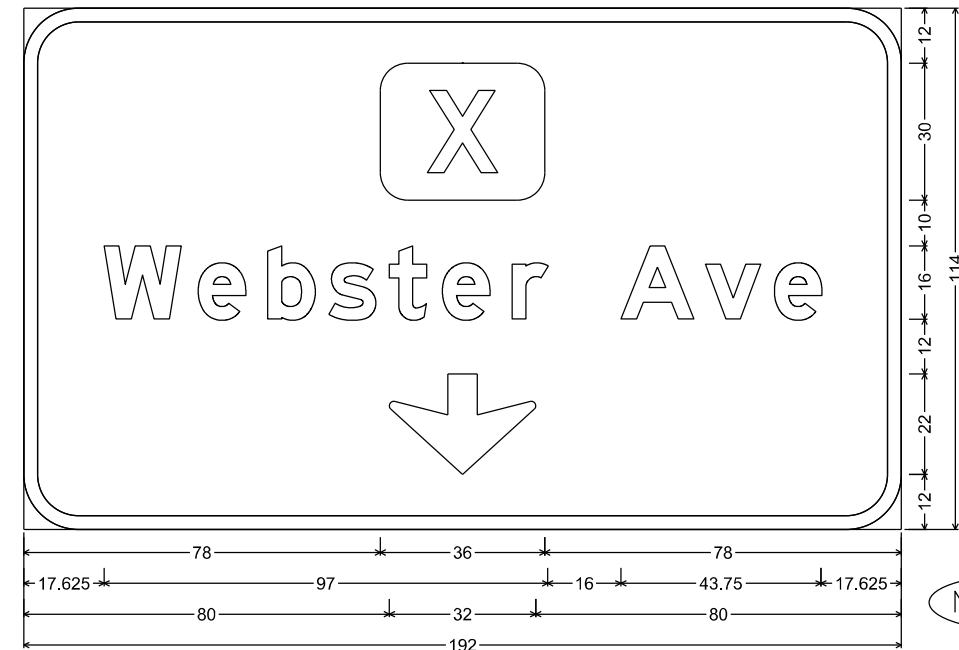
- 1. All Signs Type I - Type SH Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E Modified except all CAP words Series E





E6-1; 9.000" Radius, 2.000" Border

NE-172-11

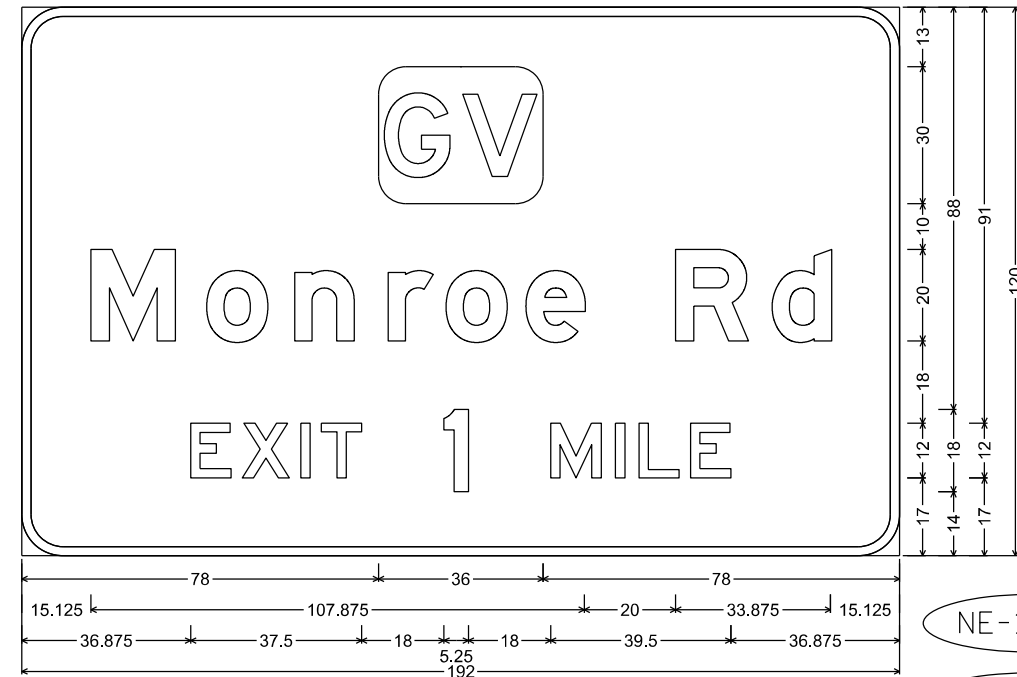


E6-51; 12.000" Radius, 3.000" Border

NE-172-12

NOTES

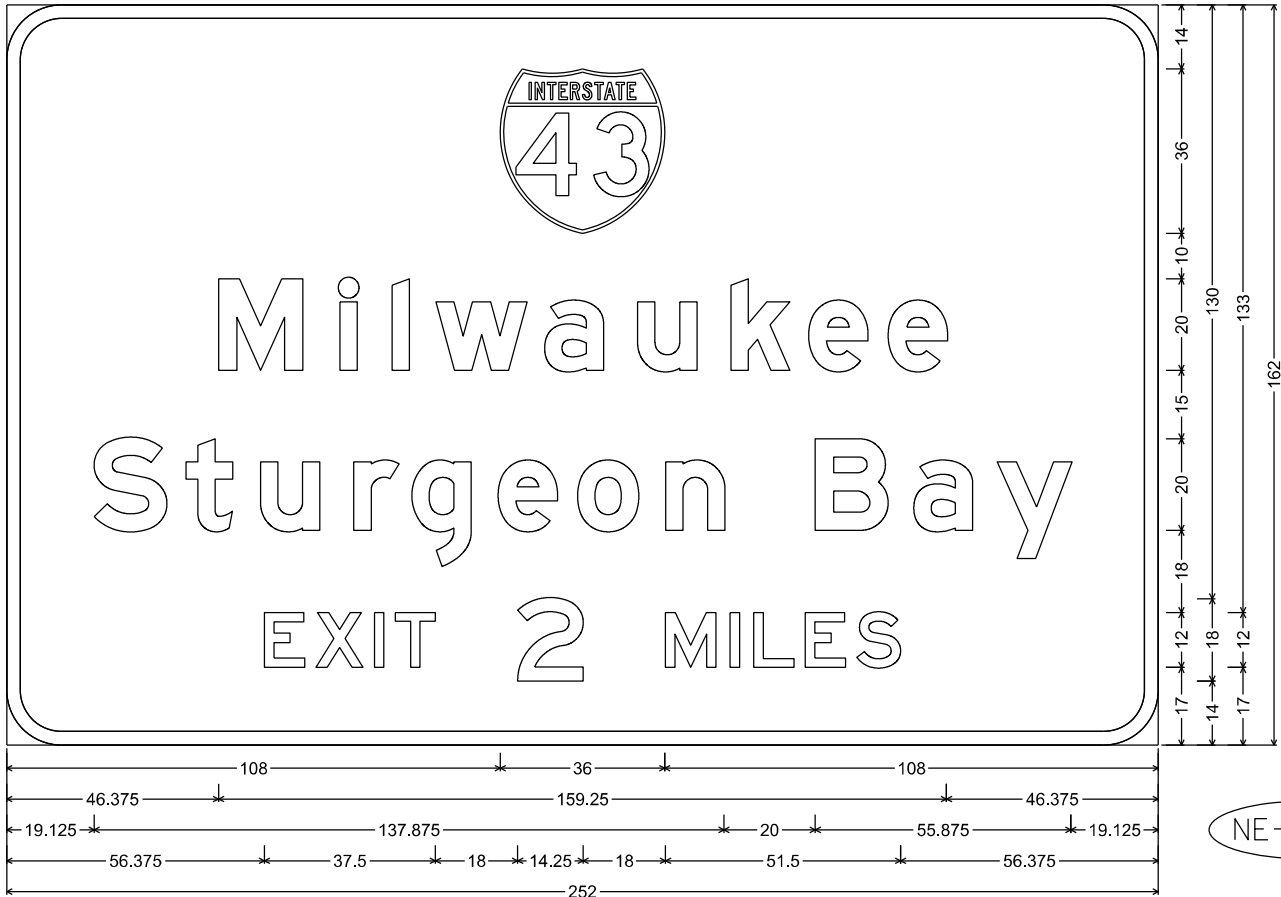
1. All Signs Type I - Type SH Reflective
2. Color:
Background - Green
Message - White
3. Message Series - E Modified except all CAP words Series E



E1-1A; 9.000" Radius, 2.000" Border

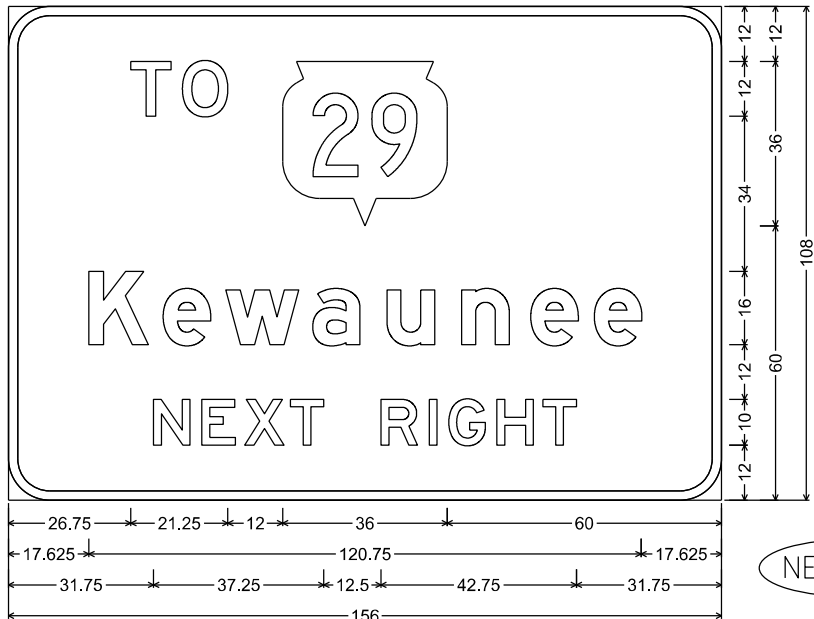
NE-172-13

NE-172-20



E1-1A; 12.000" Radius, 3.000" Border

NE-172-14

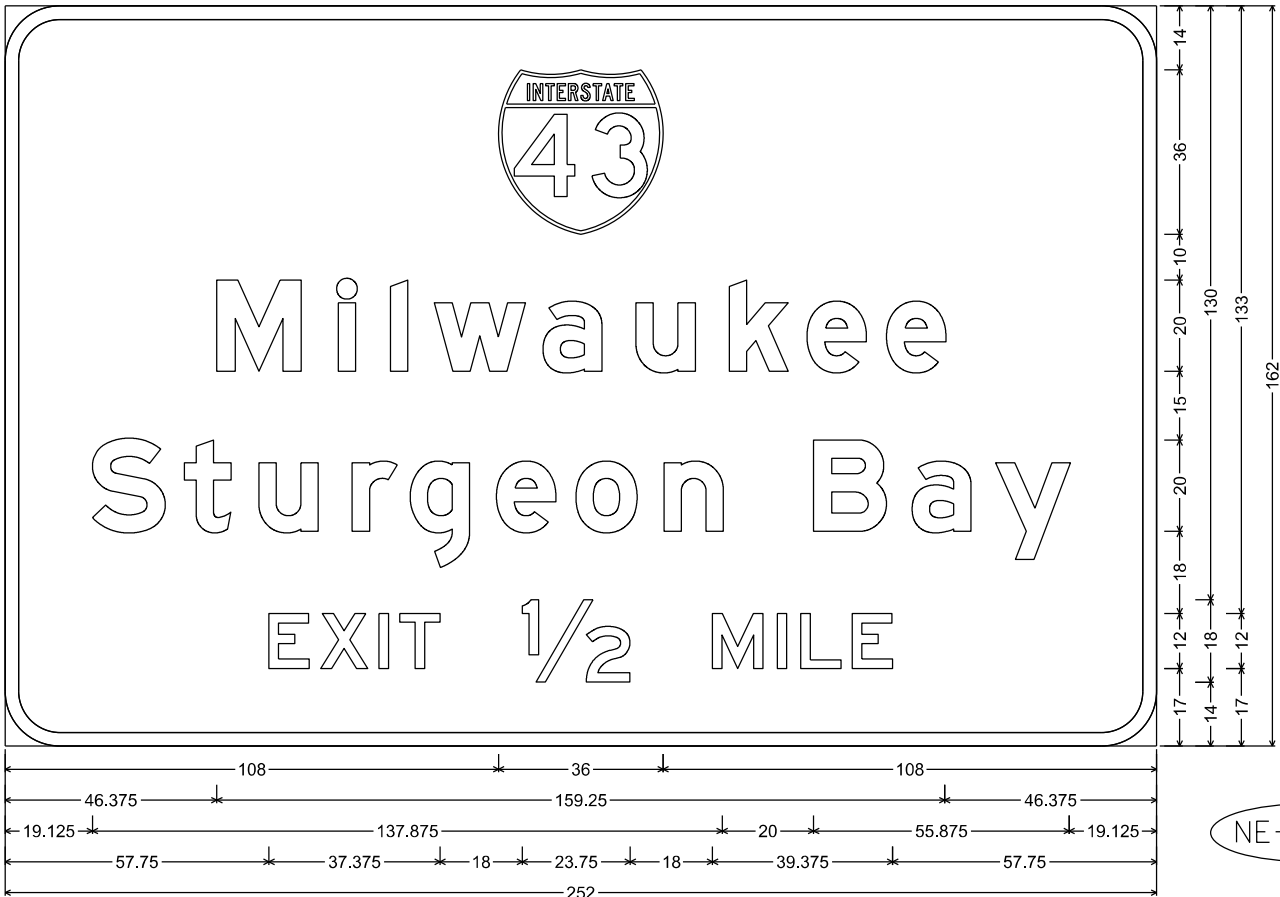


E3-1; 9.000" Radius, 2.000" Border

NE-172-17

NOTES

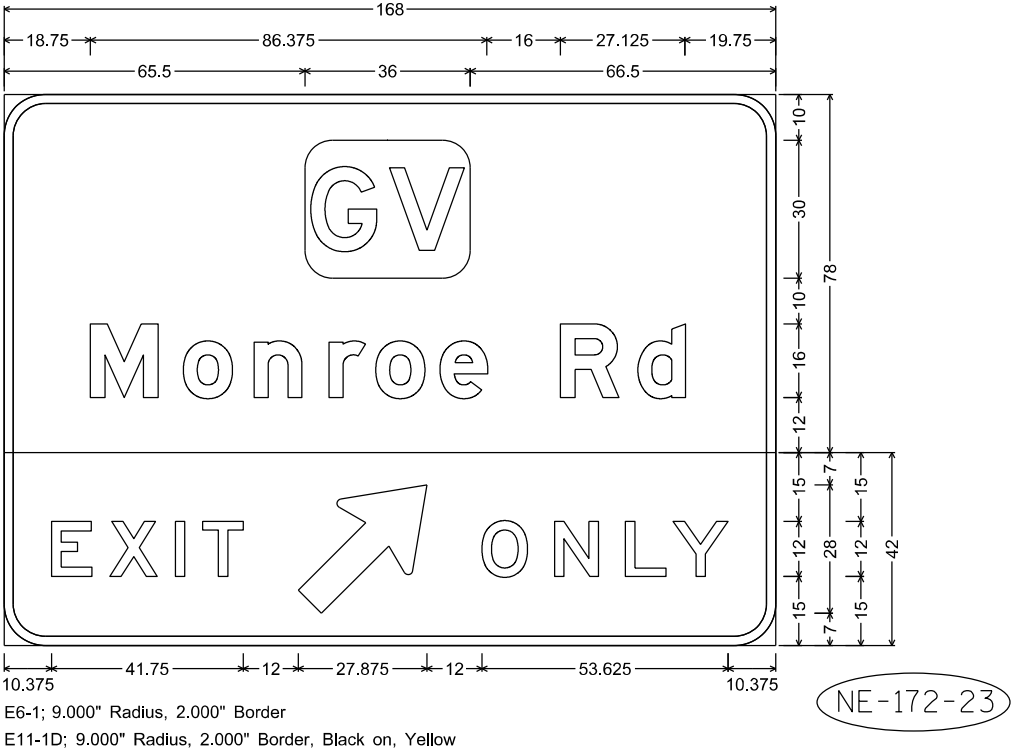
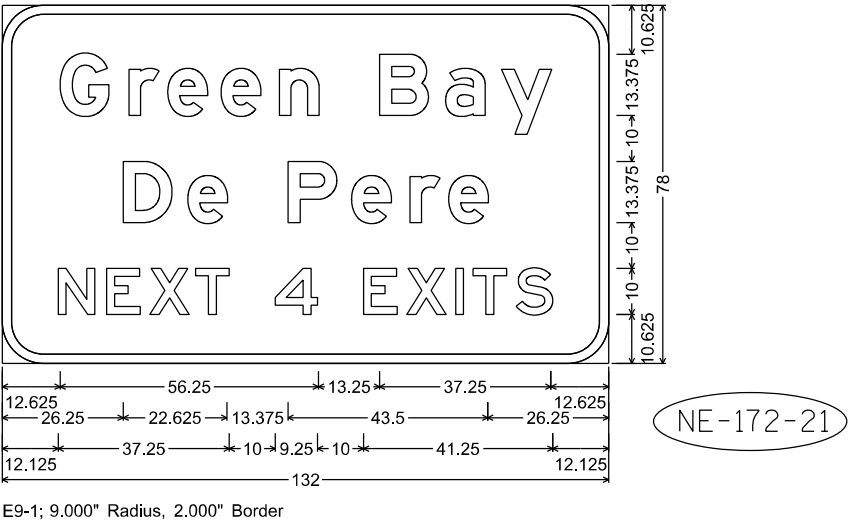
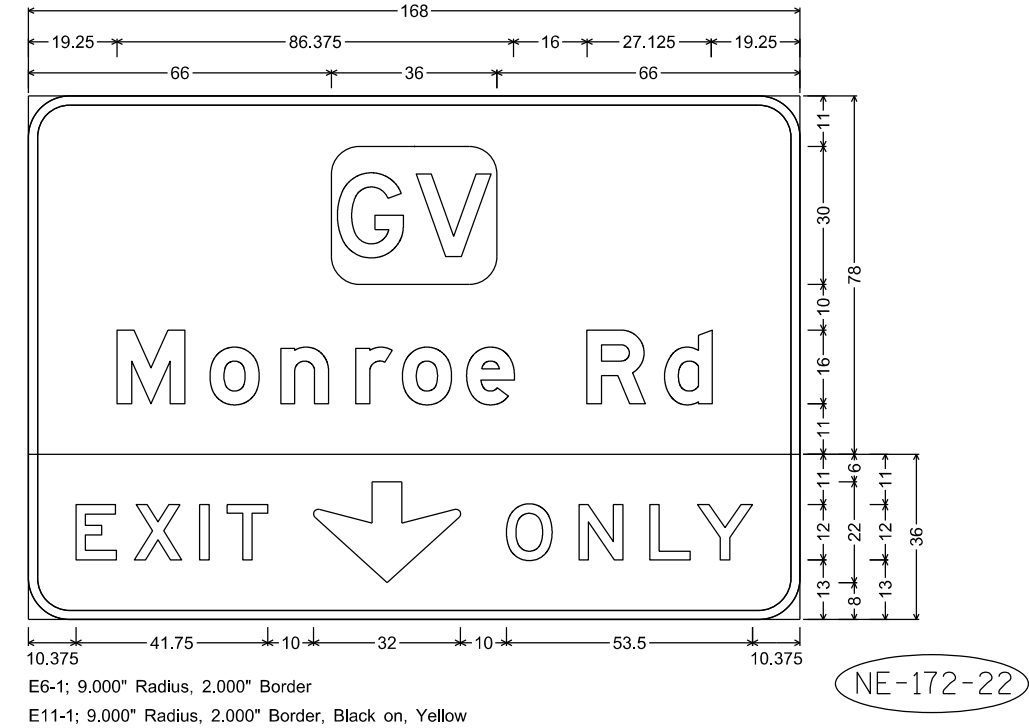
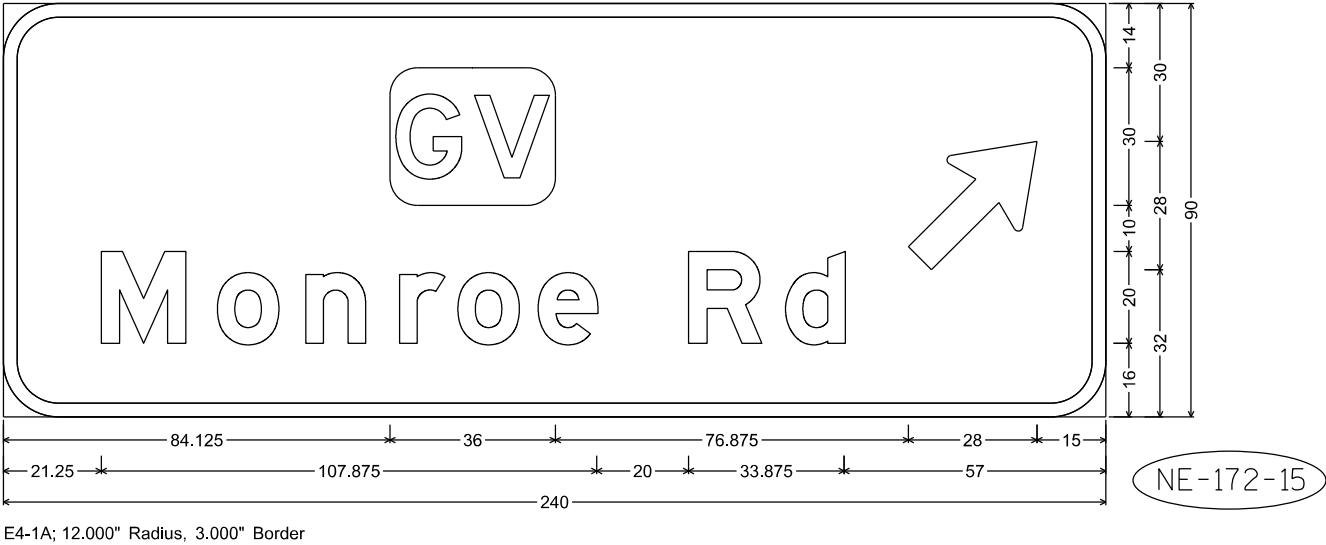
- 1. All Signs Type I - Type SH Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E Modified except all CAP words Series E



E1-1A; 12.000" Radius, 3.000" Border

NE-172-16

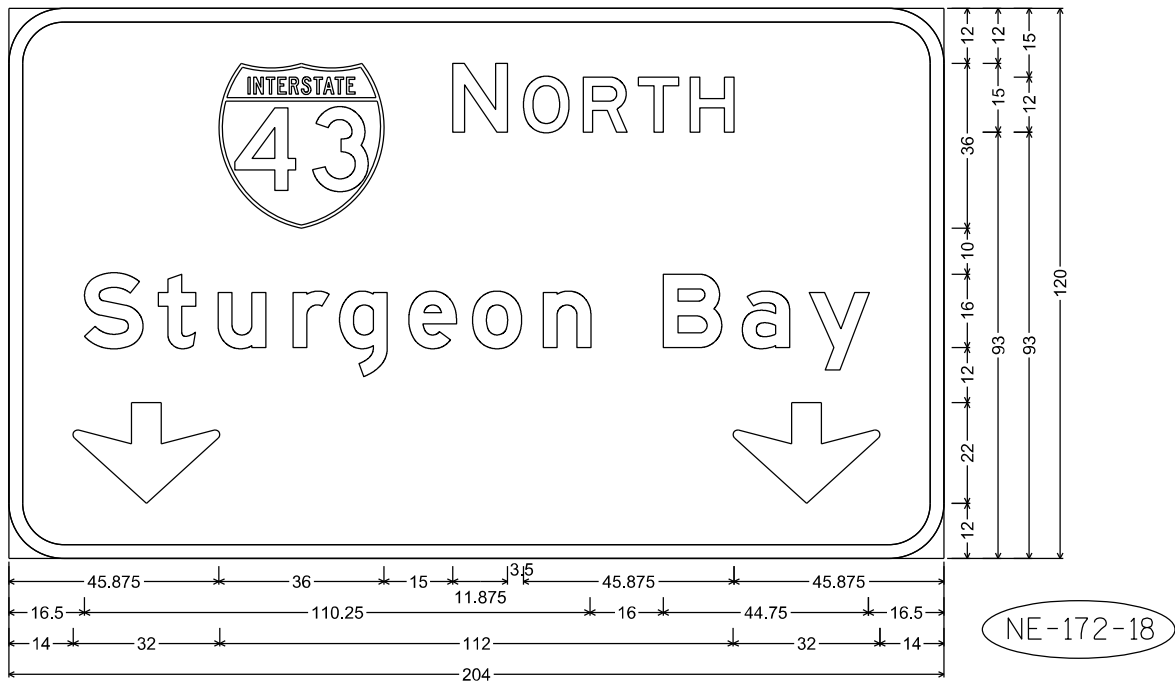
7



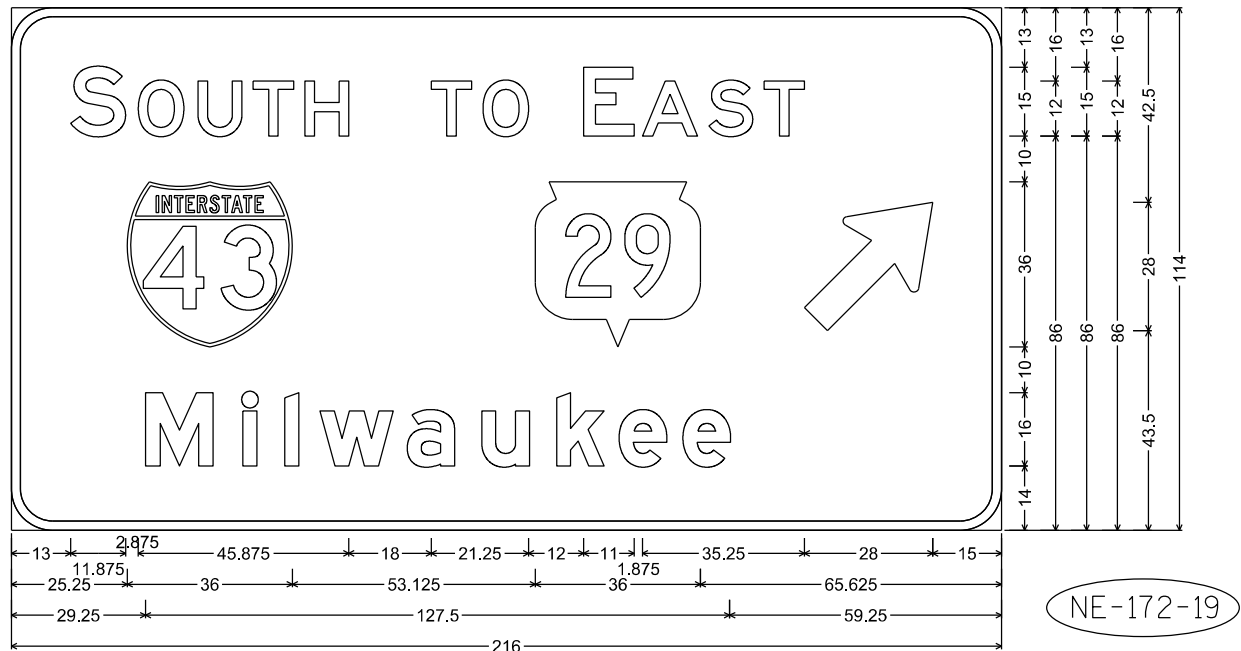
NOTES

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

7



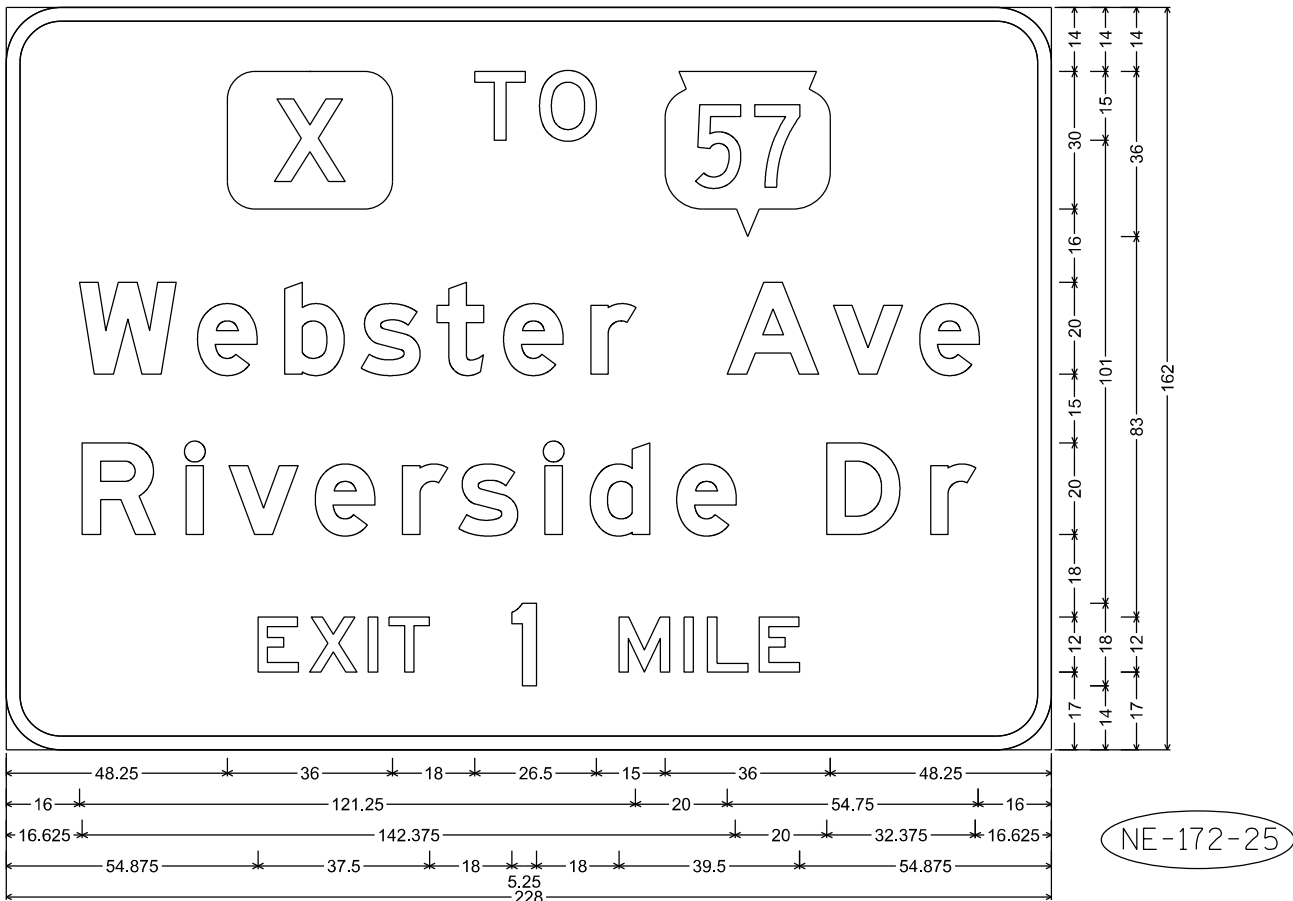
E6-51; 12.000" Radius, 3.000" Border



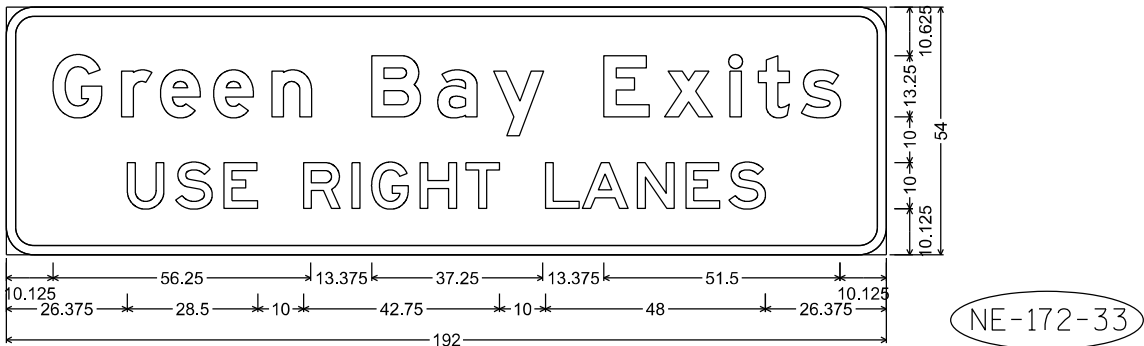
E6-1; 9.000" Radius, 2.000" Border

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



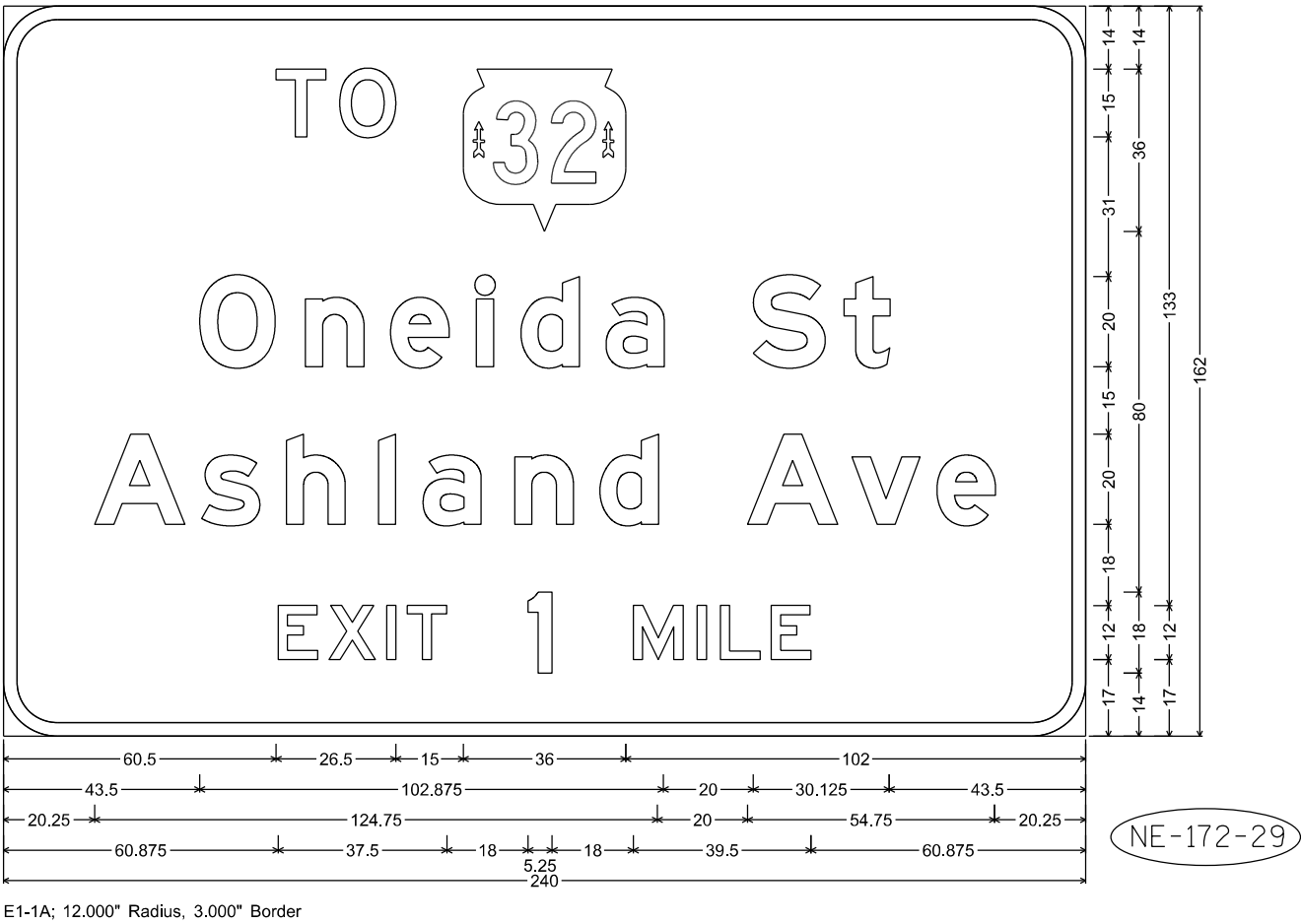
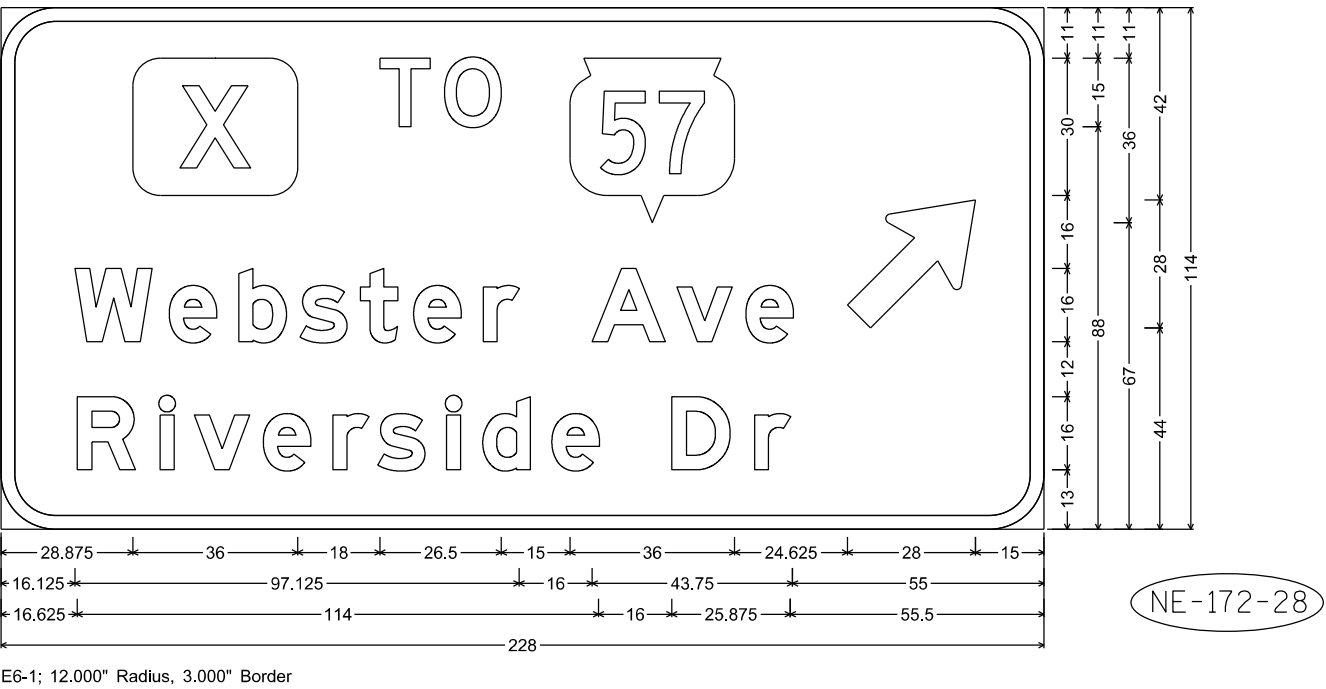
E1-1A; 12.000" Radius, 3.000" Border



E9-1; 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



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



E6-1; 12.000" Radius, 3.000" Border
E11-1; 12.000" Radius, 3.000" Border, Black on, Yellow

NE-172-30

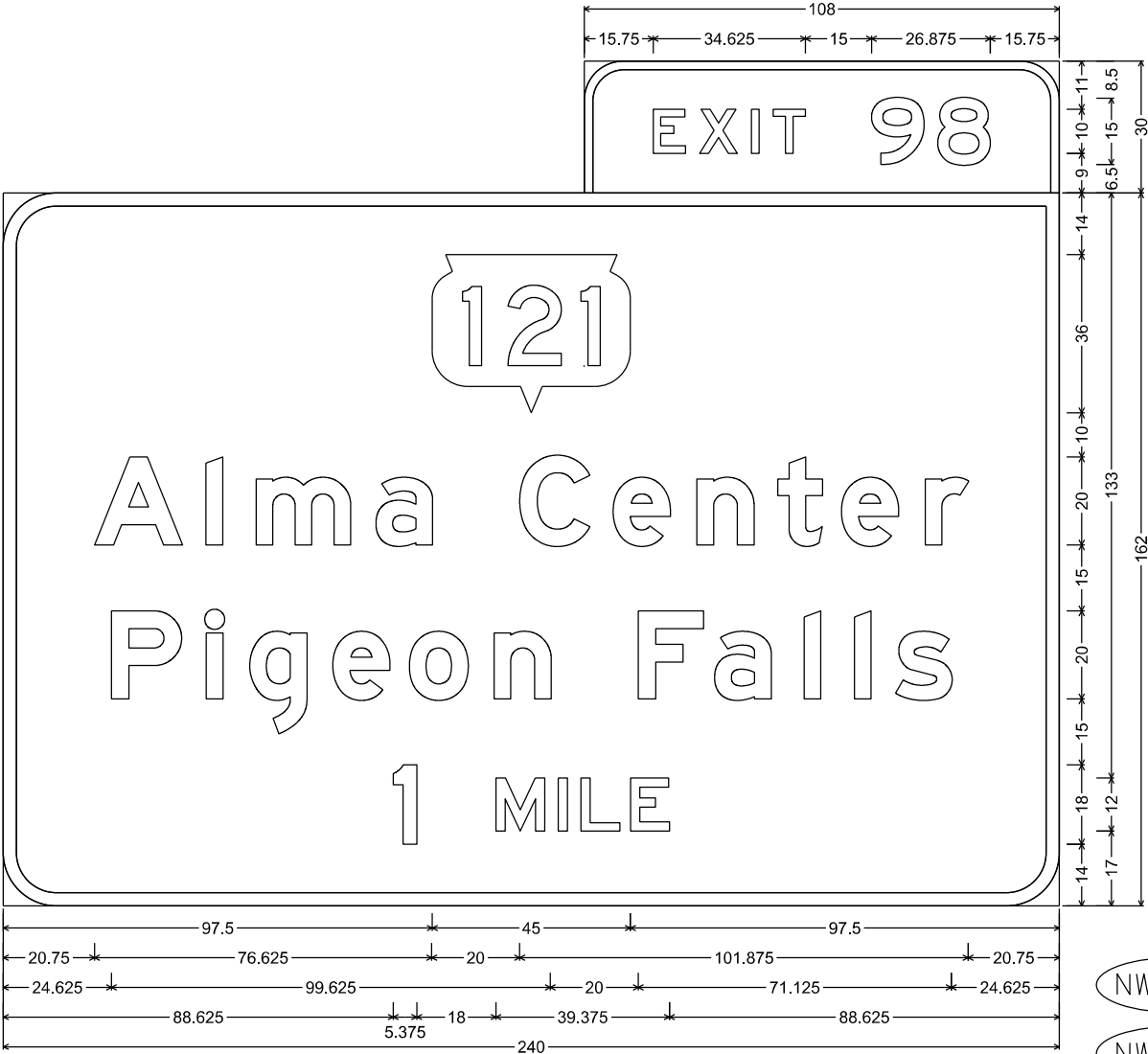


E6-1; 12.000" Radius, 3.000" Border
E11-1D; 12.000" Radius, 3.000" Border, Black on, Yellow

NE-172-32

NOTES

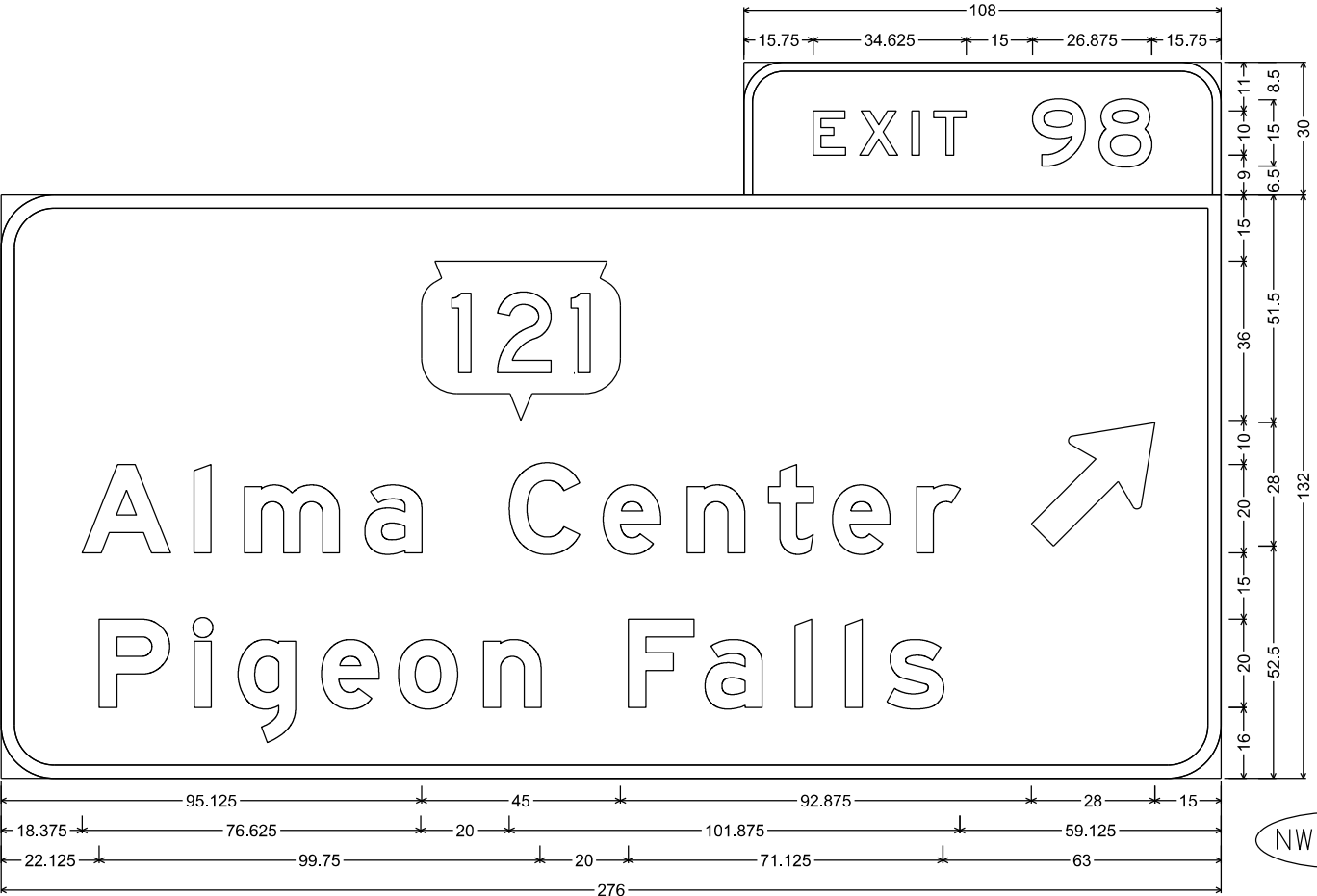
- 1. All Signs Type I - Type SH Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E Modified except all CAP words Series E



NW-94-1

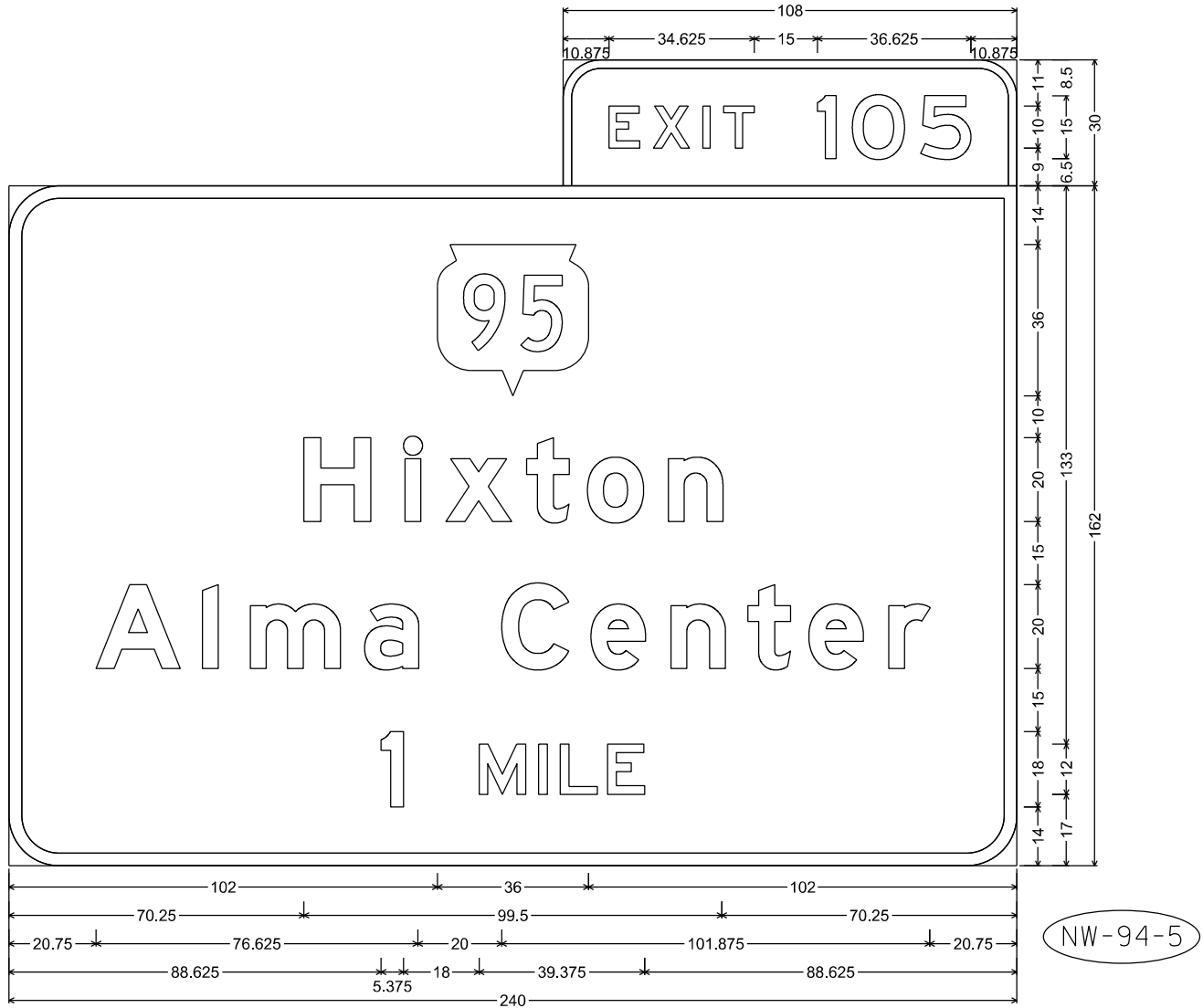
NW-94-8

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



NW-94-3

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

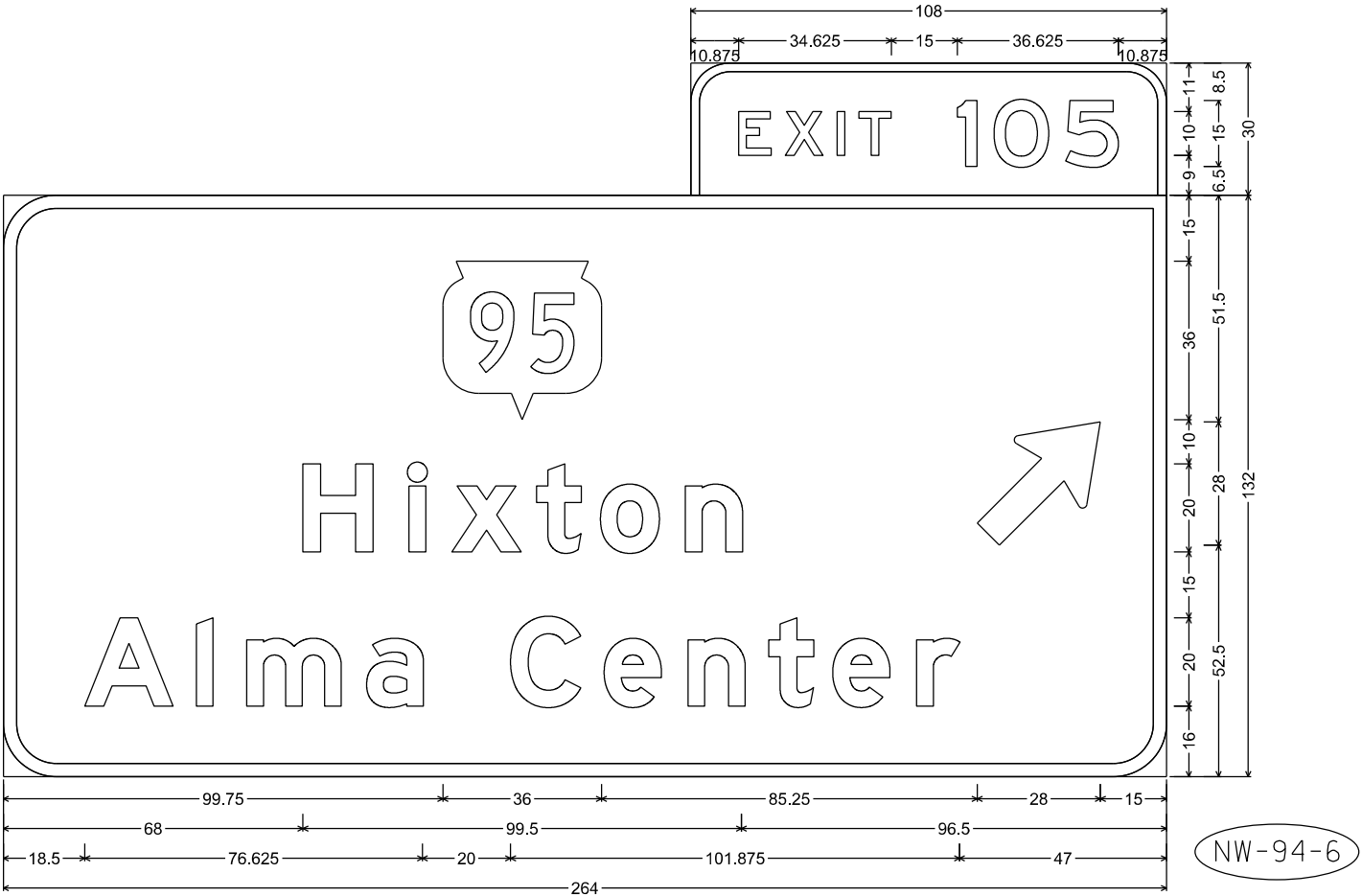


E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 12.000" Radius, 3.000" Border

NW-94-5

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



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

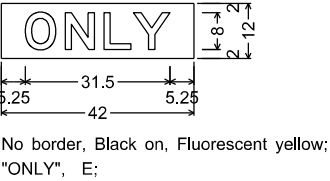
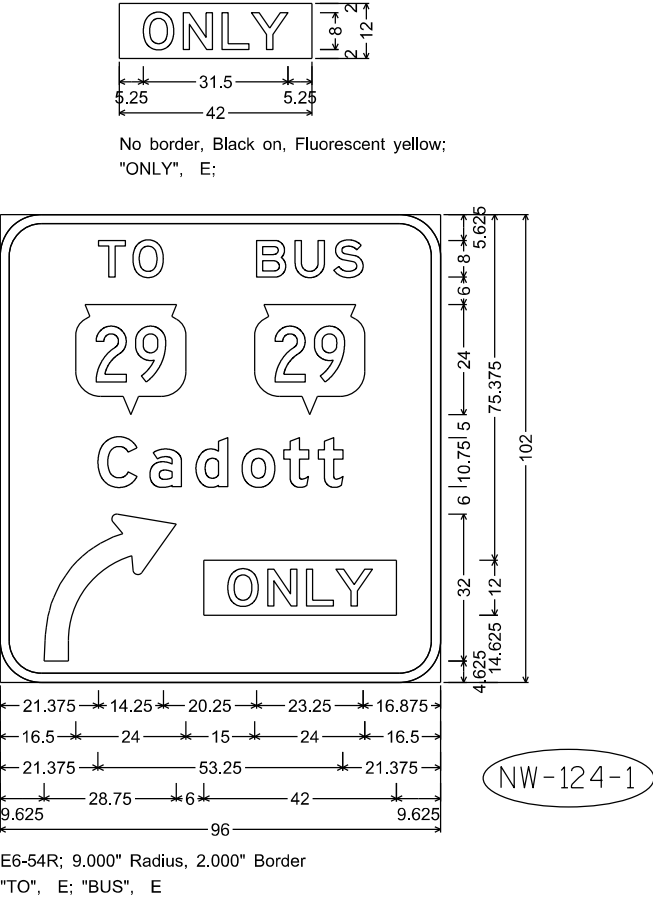
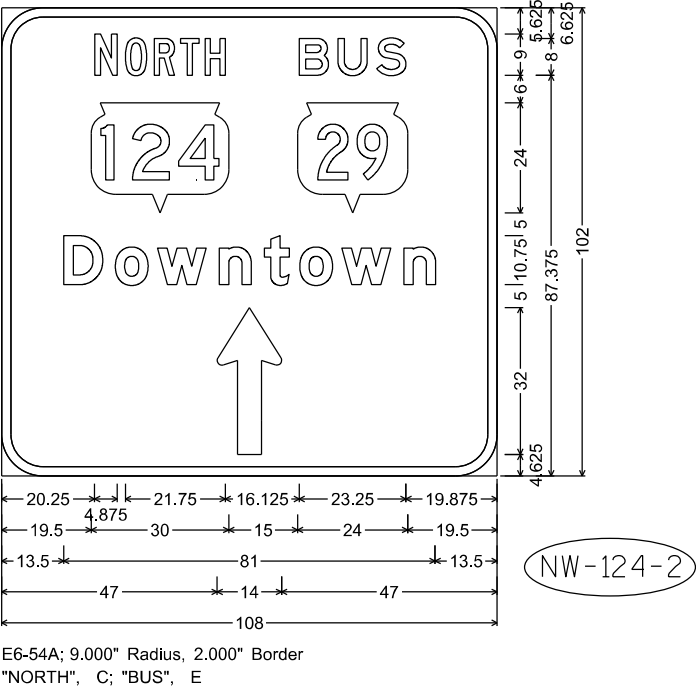
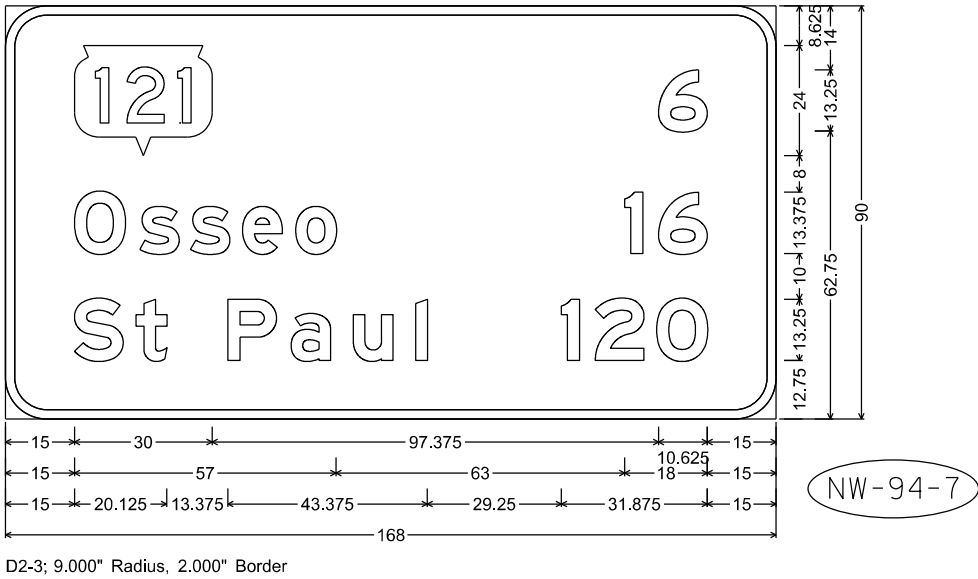
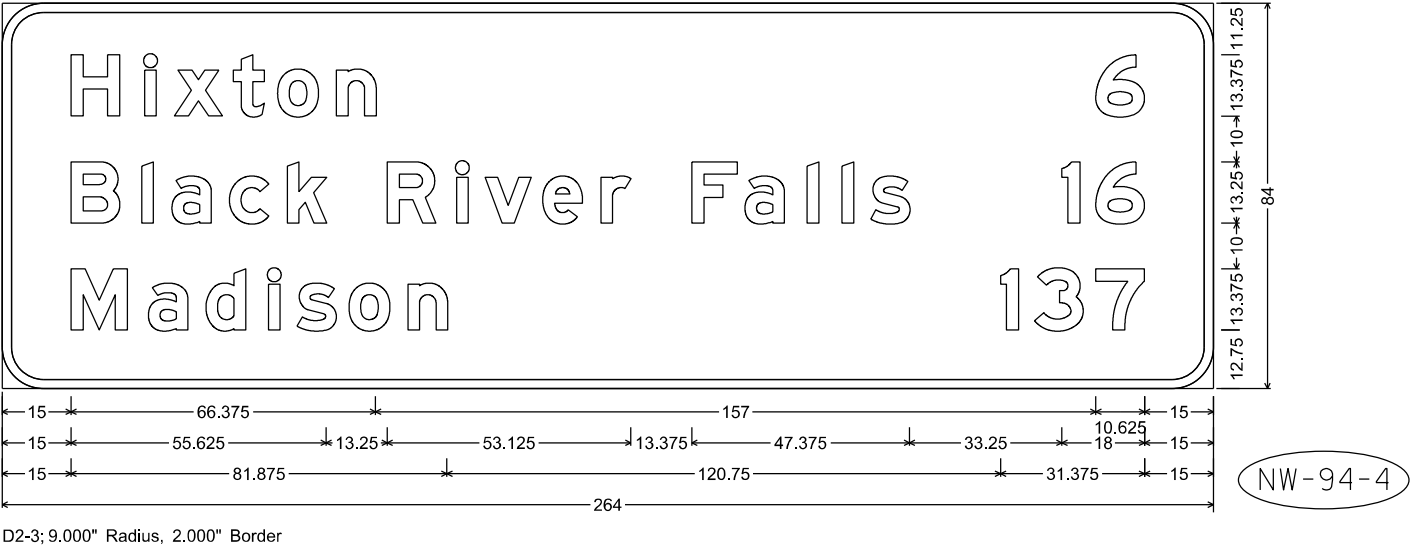
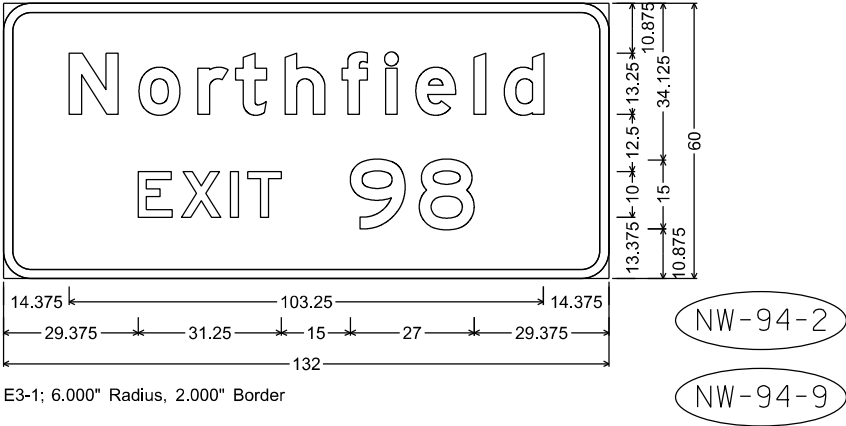
NW-94-6

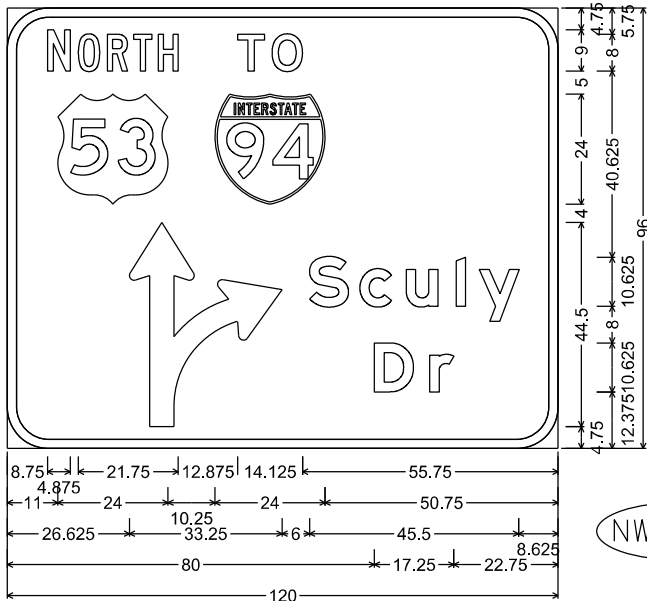
NOTES

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

Background - Green

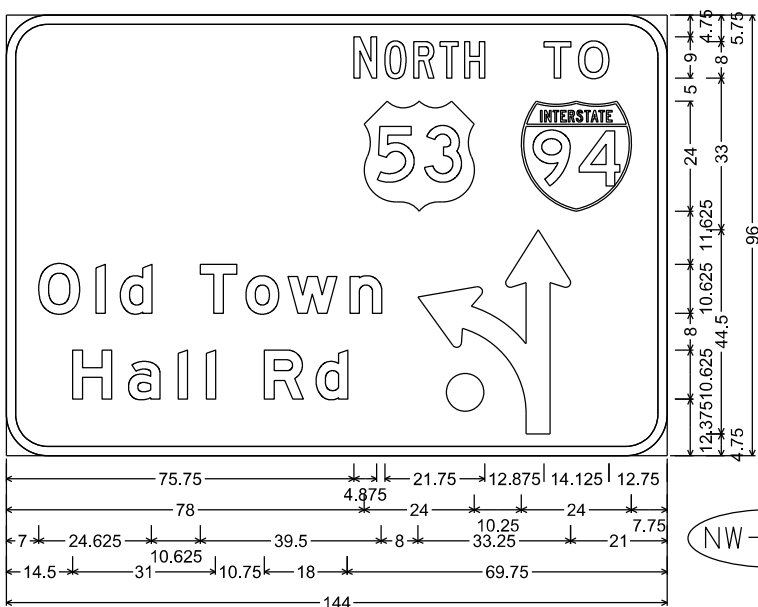
Message - White
3. Message Series - E Modified except all CAP words Series E or as noted
4. ONLY Plaque on Yellow Type F Reflective Sheeting with Black Non-Reflective Message





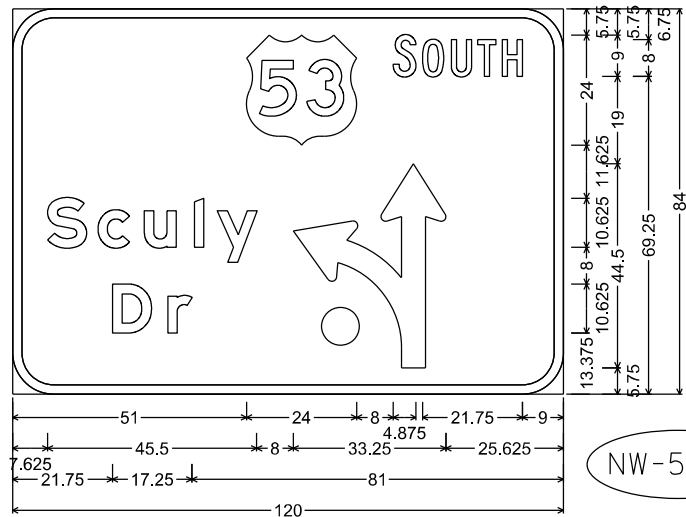
NW-53-1

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



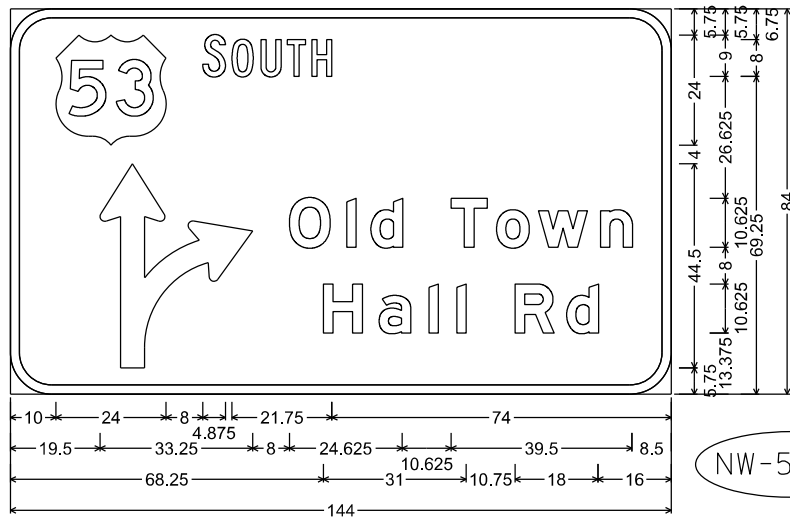
NW-53-2

E6-52; 9.000" Radius, 2.000" Border
"NORTH", C; "TO", E



NW-53-21

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

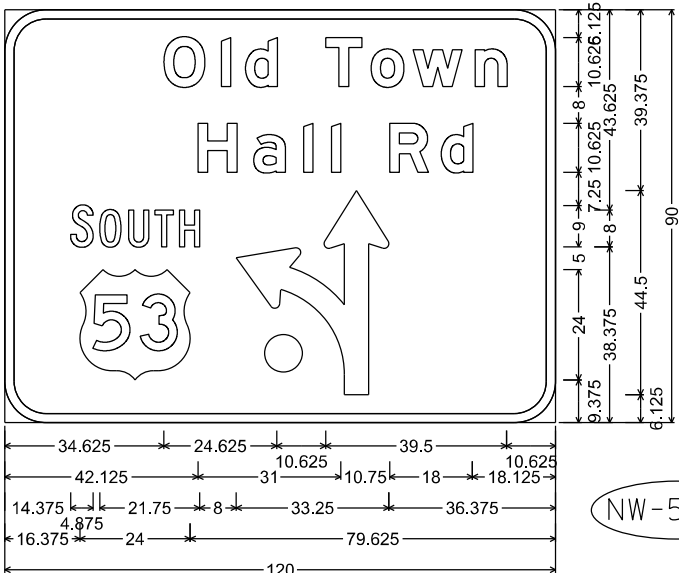


NW-53-22

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

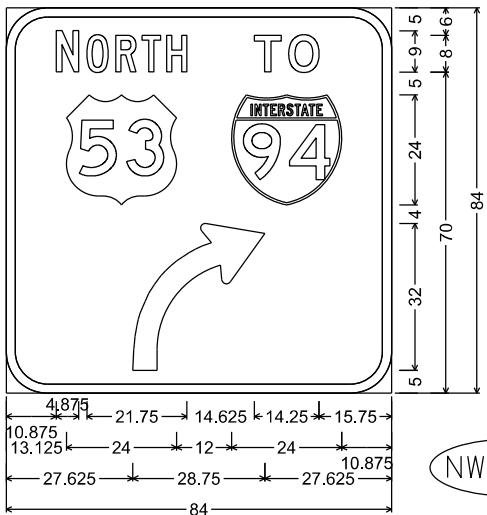
NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
Background - Green
Message - White
3. Message Series - E Modified except as noted



NW-53-3

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

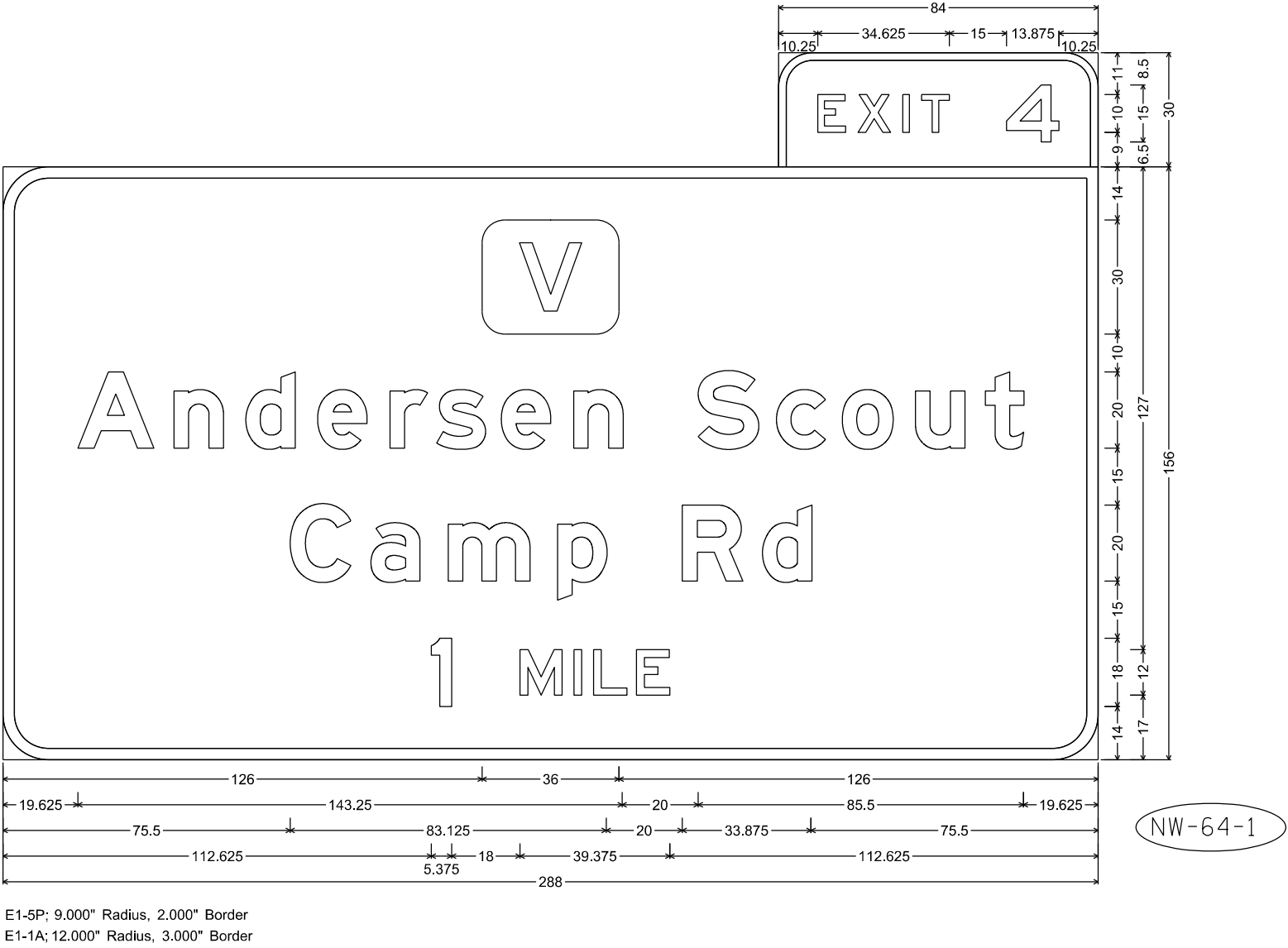


NW-53-4

E6-54R; 9.000" Radius, 2.000" Border
"NORTH", C; "TO", E

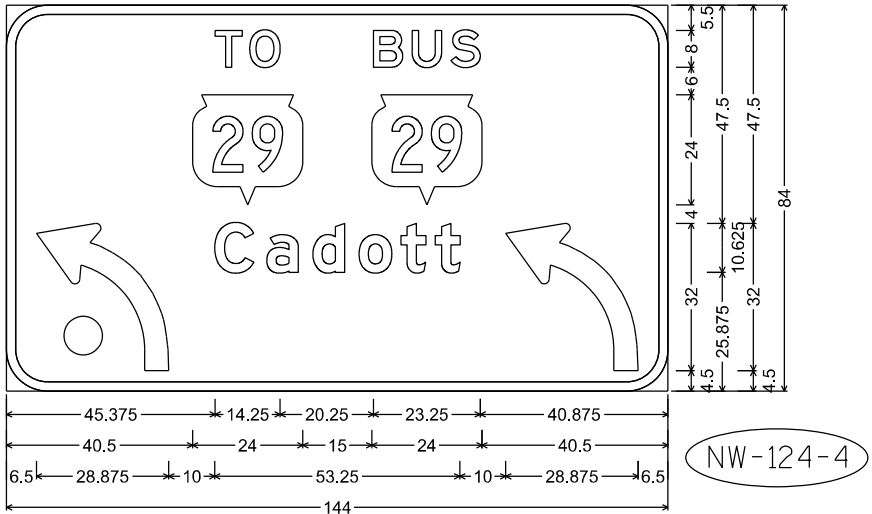
NOTES

- 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

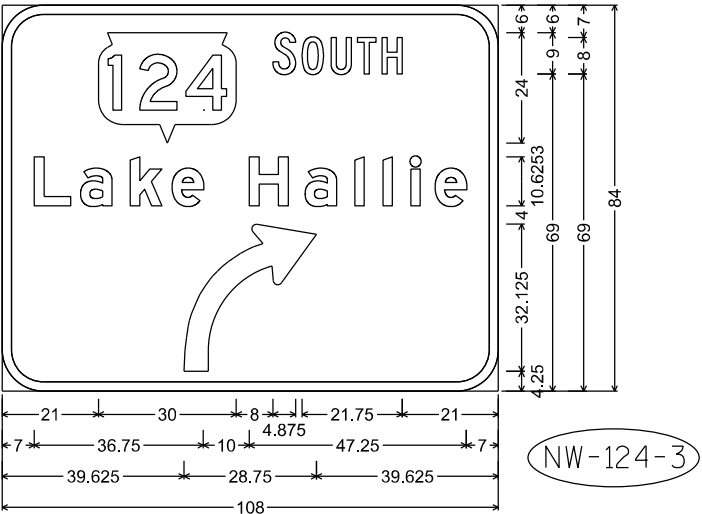


NOTES

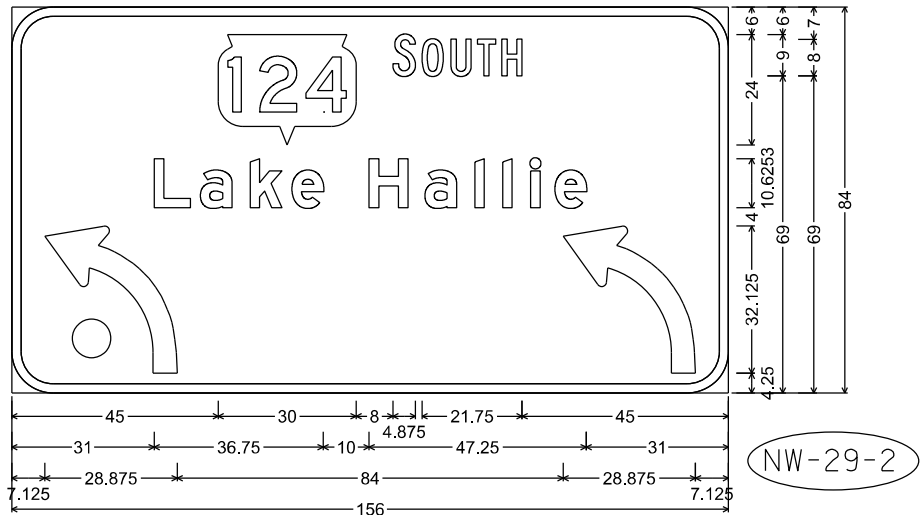
- 1. All Signs Type I - Type SH Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E Modified except as noted



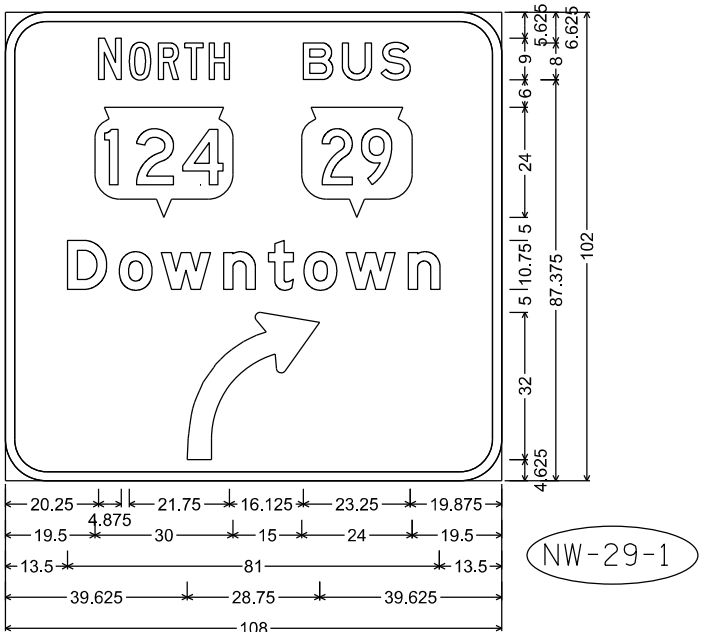
E6-54L; 9.000" Radius, 2.000" Border
"TO", E; "BUS", E



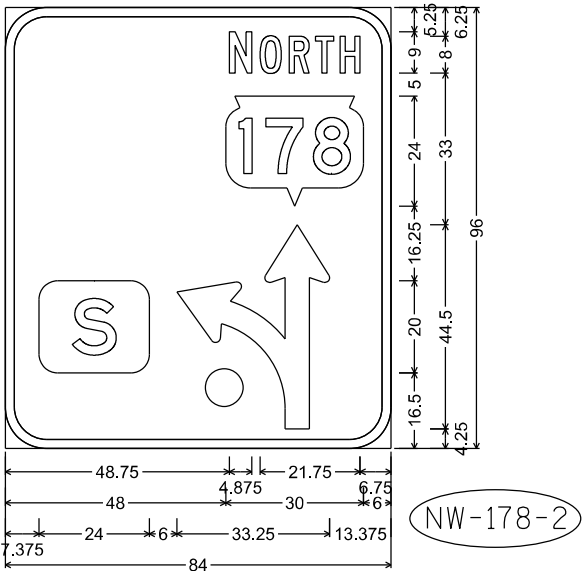
E6-54R; 9.000" Radius, 2.000" Border
"SOUTH", C



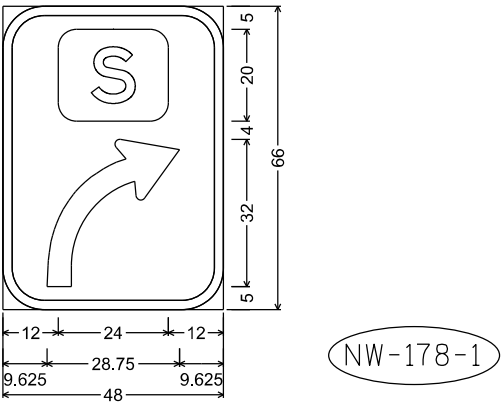
E6-54R; 9.000" Radius, 2.000" Border
"SOUTH", C



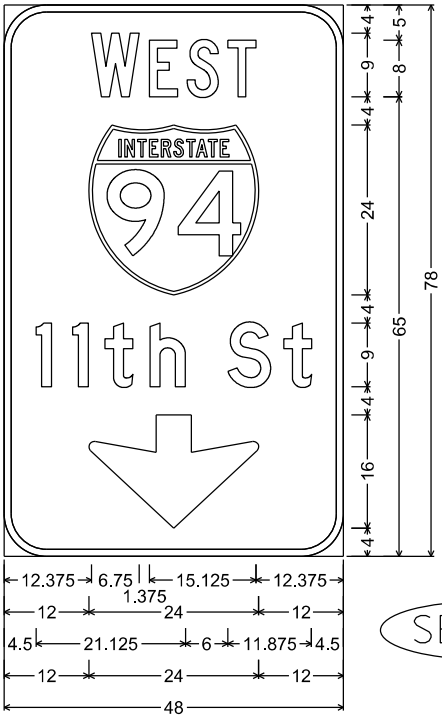
E6-54A; 9.000" Radius, 2.000" Border
"NORTH", C; "BUS", E



E6-52; 9.000" Radius, 2.000" Border
"NORTH", C

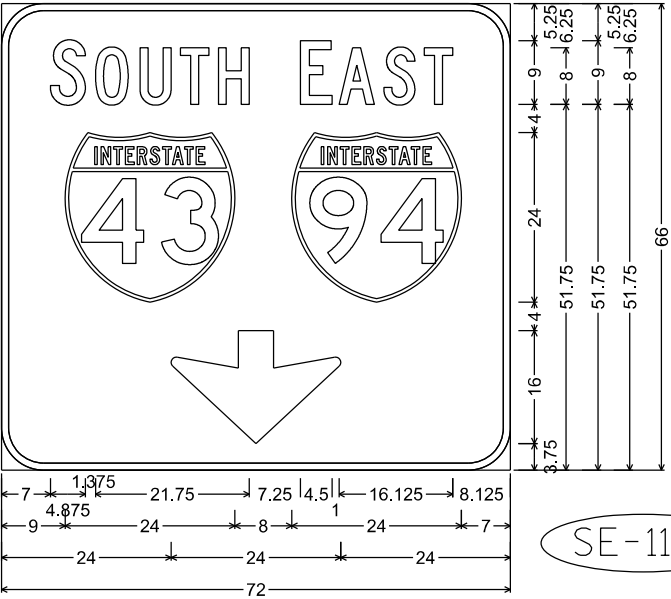


E6-54R; 9.000" Radius, 2.000" Border



D16-1; 6.000" Radius, 1.000" Border
"WEST", C; "11th", D; "St", D

SE-11-1

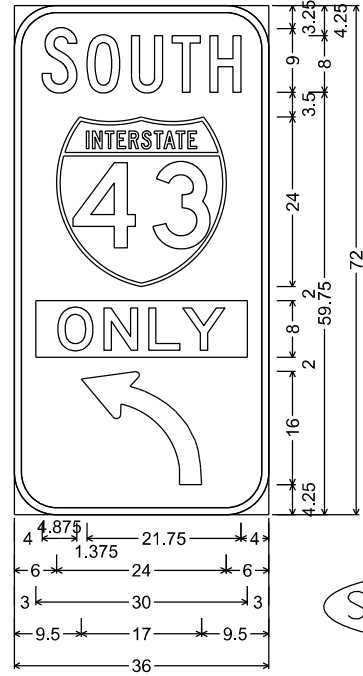


D16-1; 6.000" Radius, 1.000" Border
"SOUTH", C; "EAST", C

SE-11-2

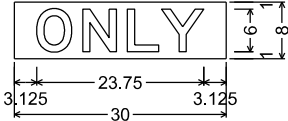
NOTES

- 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

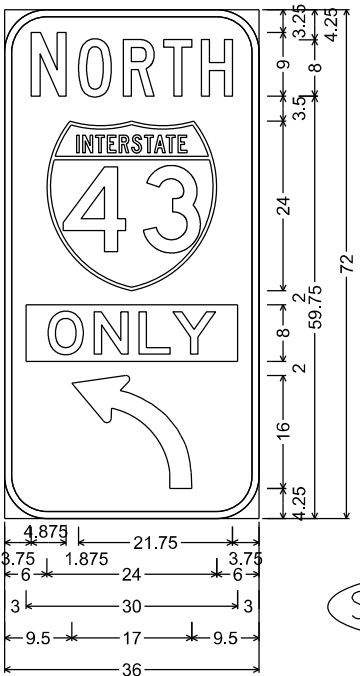


D16-1L; 6.000" Radius, 1.000" Border
"SOUTH", C

SE-Wash-1



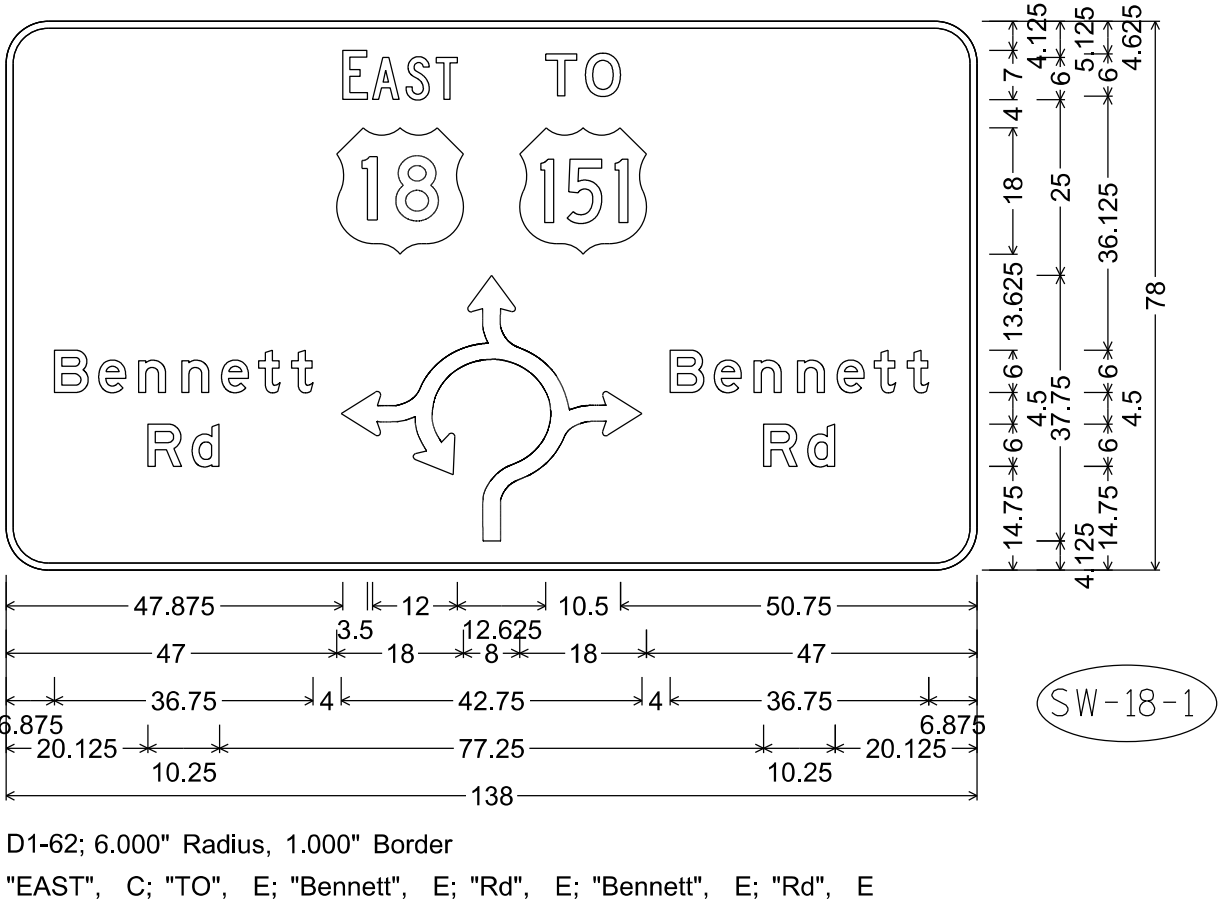
No border, White on, Fluorescent yellow;
"ONLY" Black, E;



D16-1L; 6.000" Radius, 1.000" Border
"NORTH", C

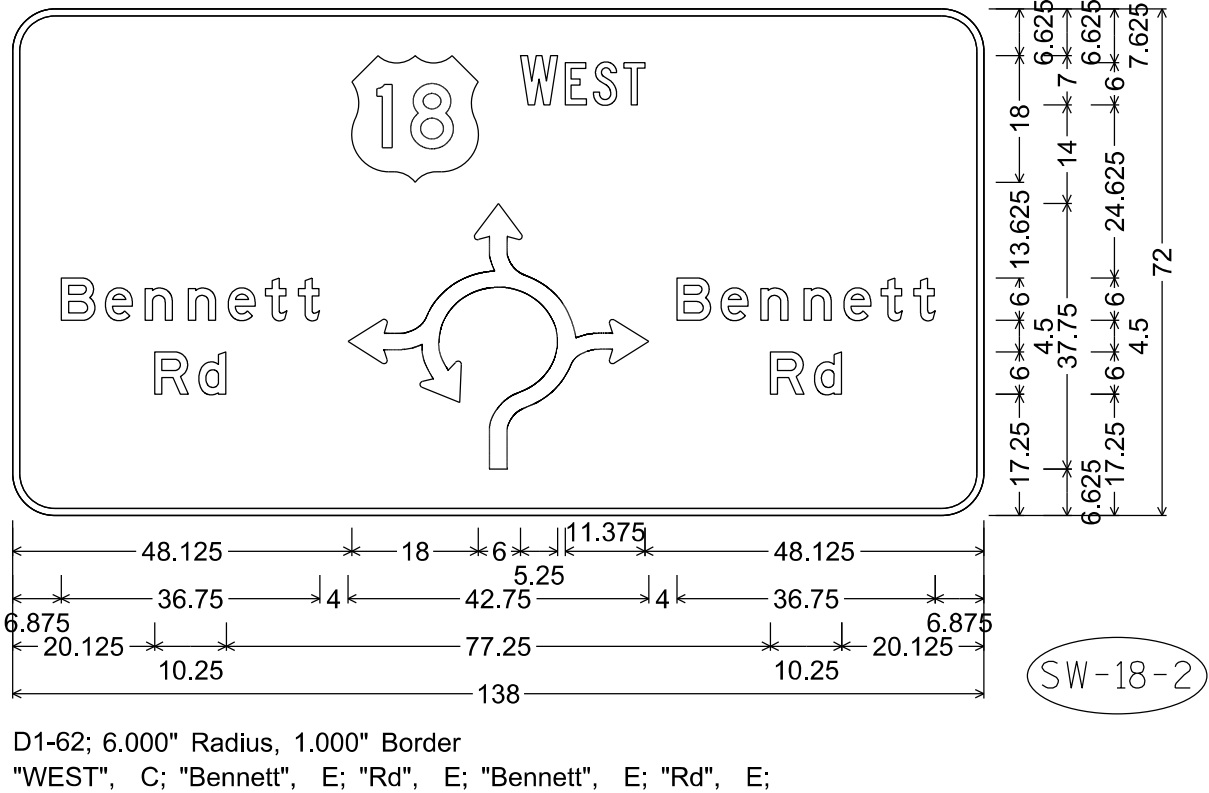
SE-Wash-2

7

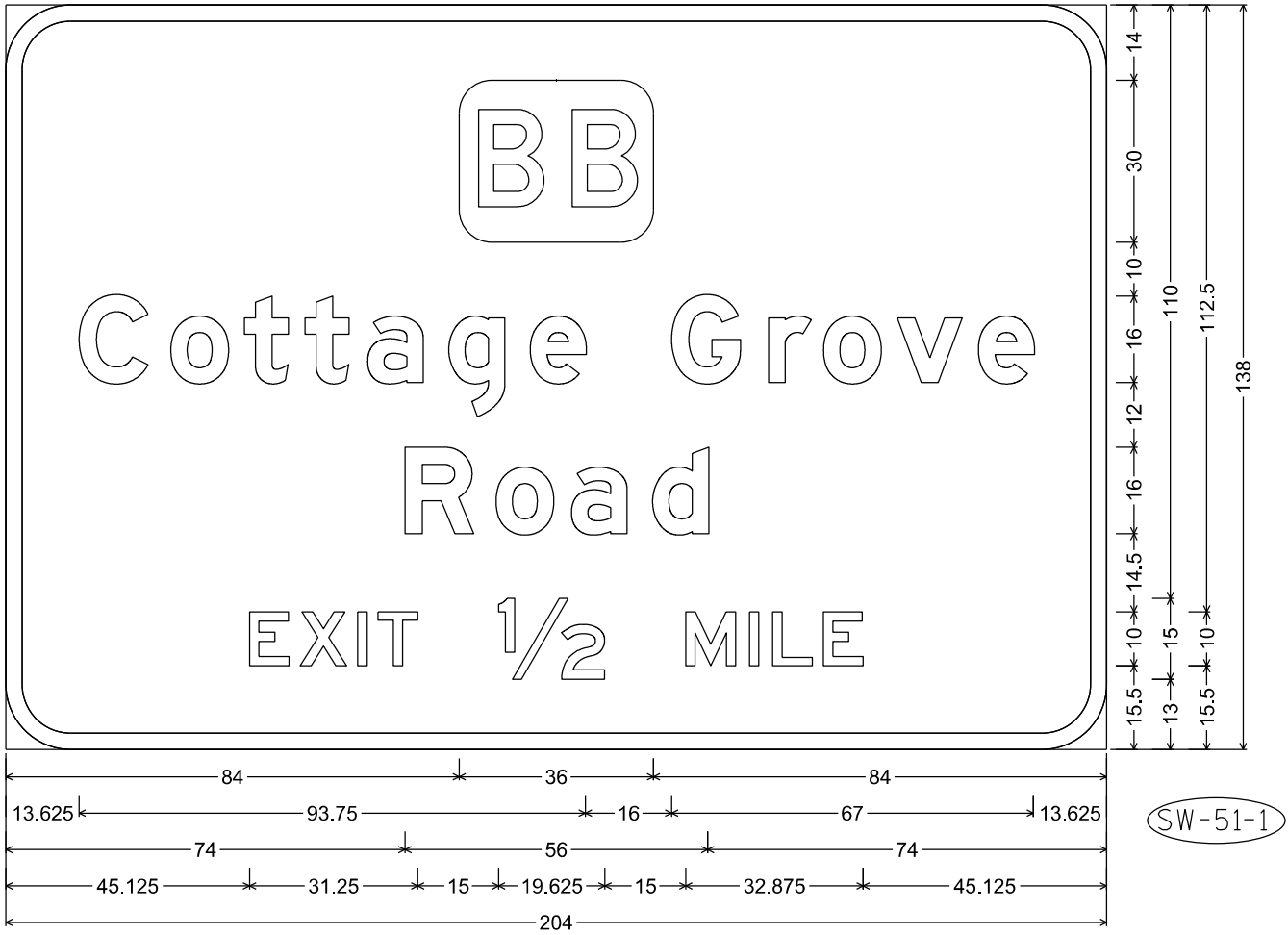


NOTES

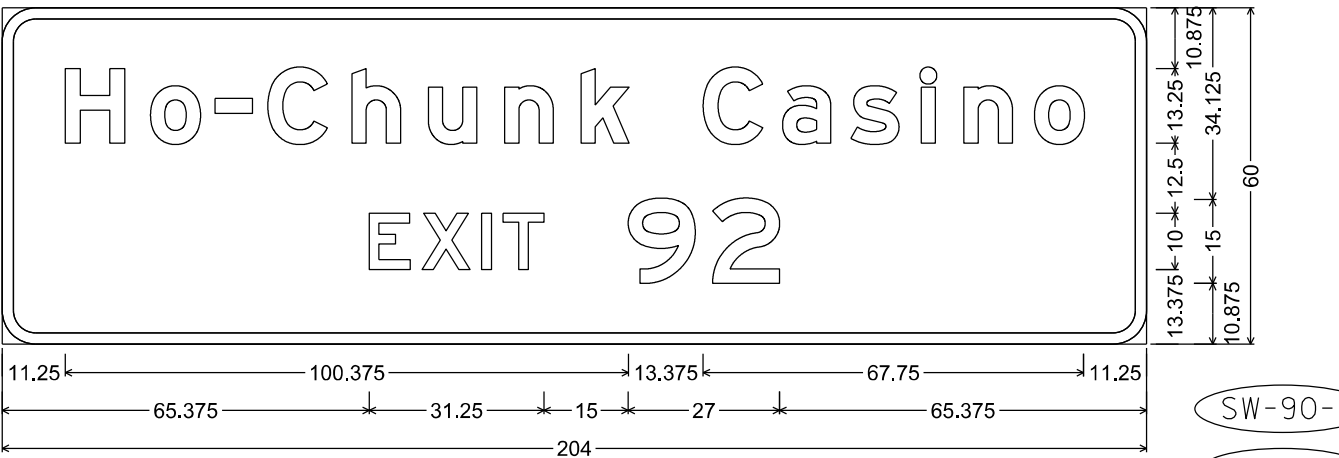
- 1. All Signs Type II - Type H Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E except as noted



7



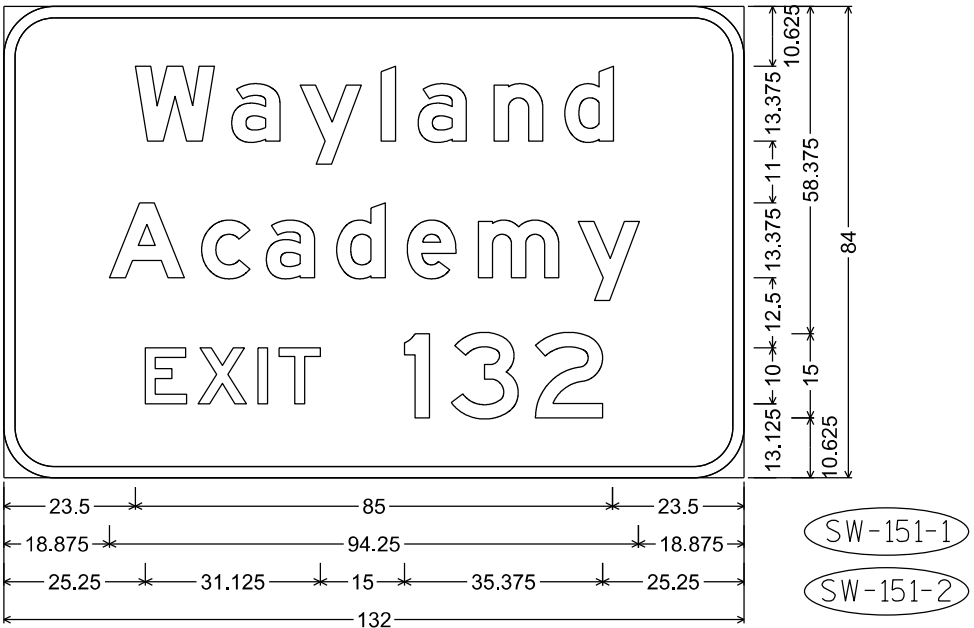
E1-1A; 12.000" Radius, 3.000" Border



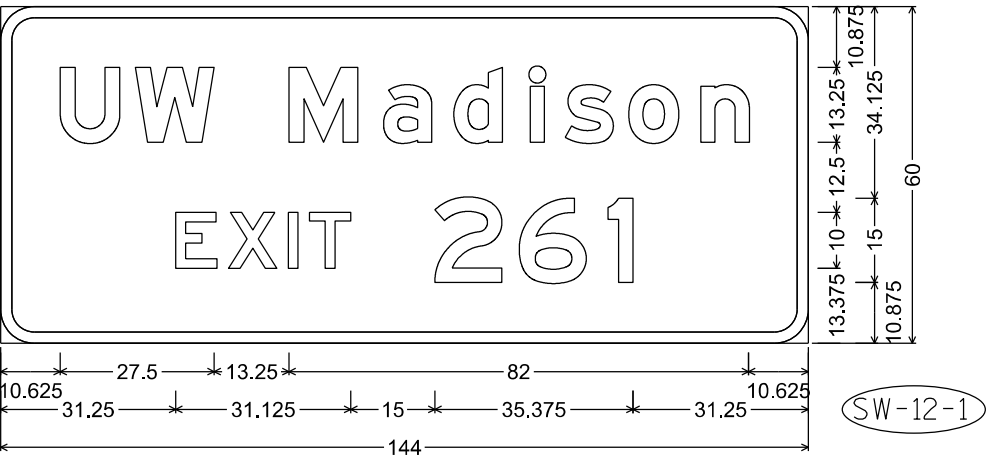
E3-1; 6.000" Radius, 2.000" Border

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



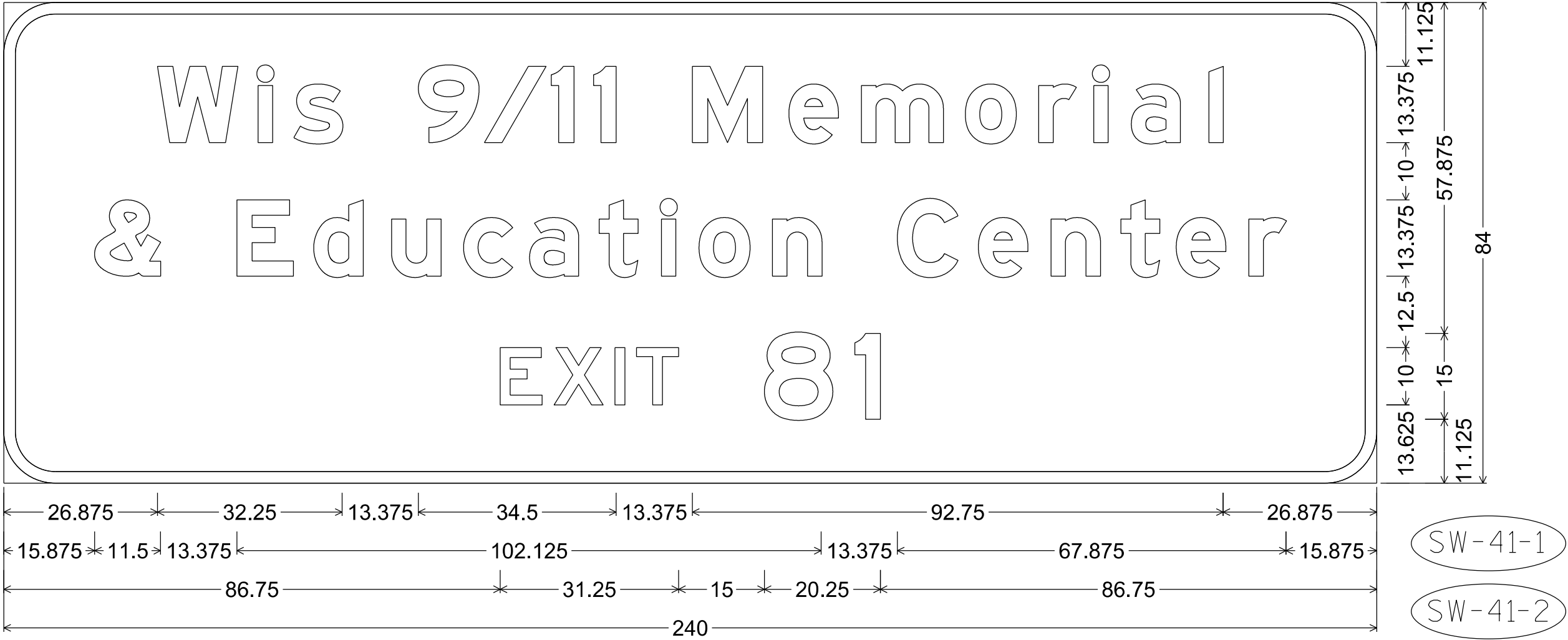
E3-1; 9.000" Radius, 2.000" Border



E3-1; 6.000" Radius, 2.000" Border

NOTES

- 1. Signs is Type I - Type SH Reflective
- 2. Color:
Background - Brown
Message - White
- 3. Message Series - E Modified except all Cap Words Series E

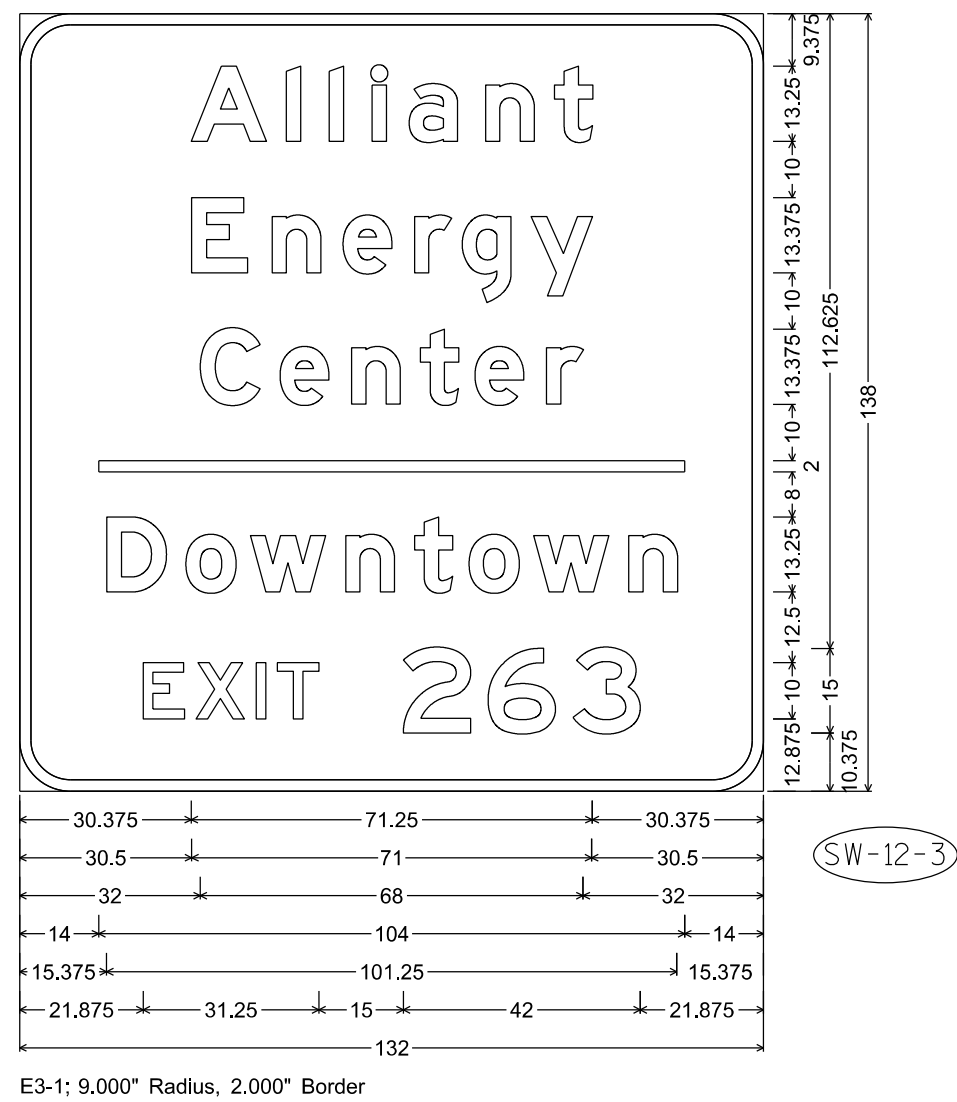


9.000" Radius, 2.000" Border



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 or as noted





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