

EAU
WITH: N/A

PROJECT ID:
1020-00-81

COUNTY:
NW REGION WIDE

MARCH 2025
ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	0	Cross Sections

TOTAL SHEETS = 44

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY REHABILITATION - BRIDGE PREVENTIVE PROJECT

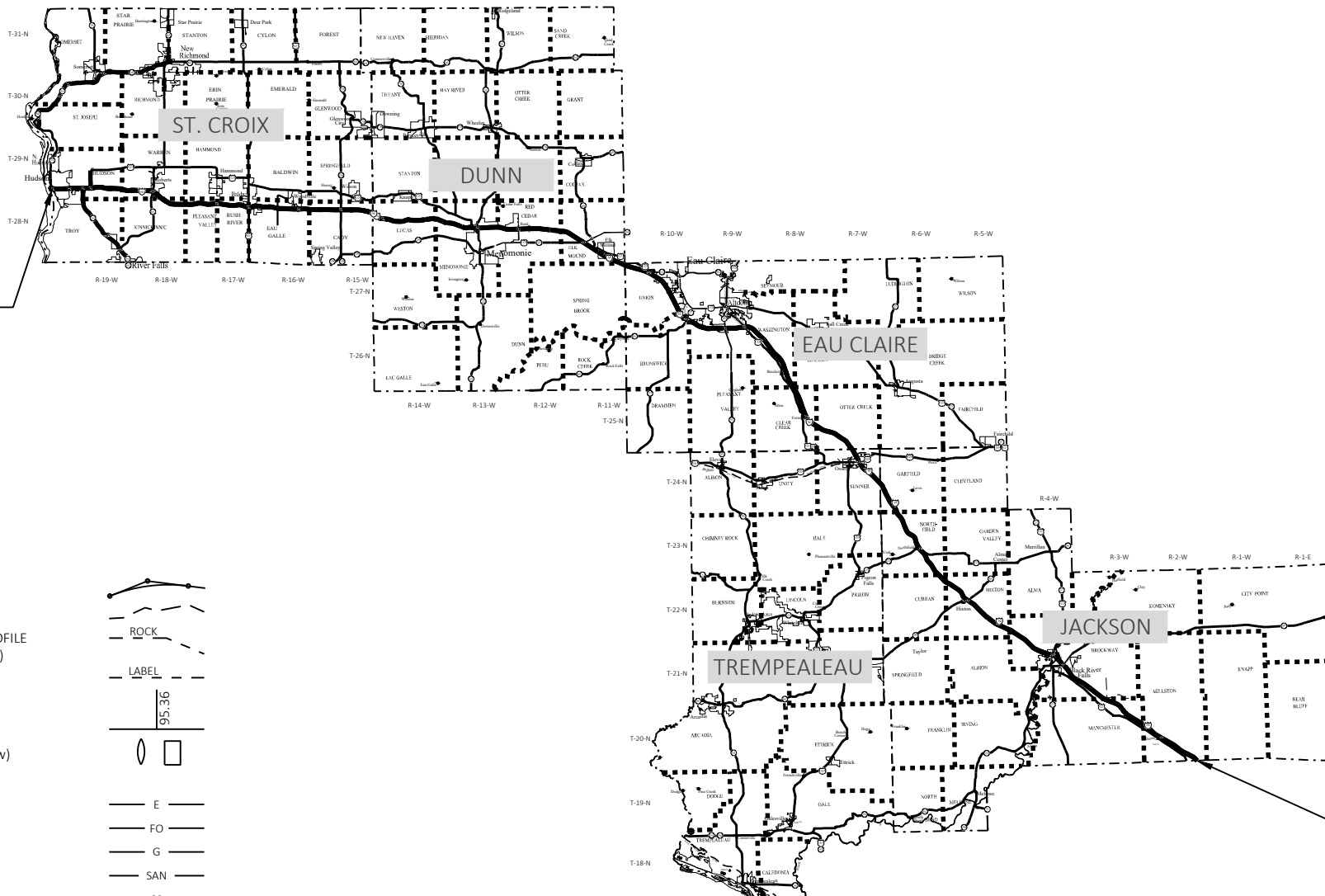
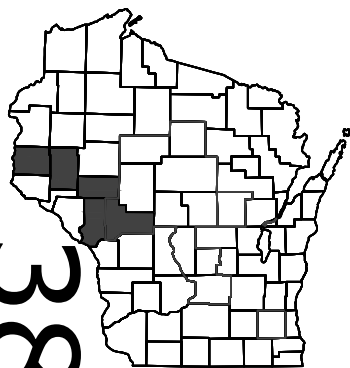
NW REGION, IH94 BRIDGE DECK SEALING

BRIDGE DECK SEALING (VAR)

IH 94

ST. CROIX, DUNN, EAU CLAIRE, TREMPEALEAU, JACKSON COUNTIES

STATE PROJECT NUMBER
1020-00-81



DESIGN DESIGNATION 1020-00-11 BEGIN PROJECT

A.A.D.T. 2025 = 37000
A.A.D.T. = N/A
D.H.V. = N/A
D.D. = N/A
T. = N/A
DESIGN SPEED = N/A
ESALS = N/A

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

LAYOUT
SCALE 0 15 MI
TOTAL NET LENGTH OF CENTERLINE = 0.000 MI

END PROJECT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	N/A
Designer	JACOB KLAGES
Project Manager	BETH CUNNINGHAM, PE
Regional Examiner	NW REGION
Regional Supervisor	TOU YANG, PE

APPROVED FOR THE DEPARTMENT
DATE: _____ (Signature)

E

GENERAL NOTES

- 1) WORK CONSISTS OF PREPARATION OF UPPER SIDE OF CONCRETE DECK, PARAPET SURFACE AND PIER COLUMNS AND APPLICATION OF CONCRETE PROTECTIVE SURFACE TREATMENT RESEAL.
- 2) THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS, THE CONTRACTOR WILL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
- 3) IH-94 WILL BE KEPT OPEN TO A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES.
- 4) LANE CLOSURES WILL ONLY BE ALLOWED DURING TIMES SPECIFIED IN THE SPECIAL PROVISIONS
- 5) THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES WILL BE ADJUSTED TO FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 6) REPORT ANY INADVERTENT SPILLS TO THE HOTLINE 1-800-943-0003. RESTORE ANY INADVERTENT GROUND DISTURBANCE AS SOON AS CONDITIONS PERMIT. IMMEDIATELY REMOVE ANY MATERIALS THAT FALL INTO ANY WATERWAYS. ALL RESTORATION AND MATERIAL RECOVERY EFFORTS ARE INCIDENTAL TO THE CONTRACT.



Dial **811** or (800)242-8511

www.DiggersHotline.com

AREA CONTACTS

WI DNR CONTACT

WISDOT NW REGION CONTACTS

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EAU CLAIRE, WI 54701
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WISDOT NW REGION COUNTY CONTACTS

ST. CROIX
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(715) 577-5395

DUNN COUNTY
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EAU CLAIRE COUNTY
ROSS KRAUSE
(715) 577-9544

TREMPEALEAU AND JACKSON COUNTIES
NICK CARROLL
(715) 340-7920

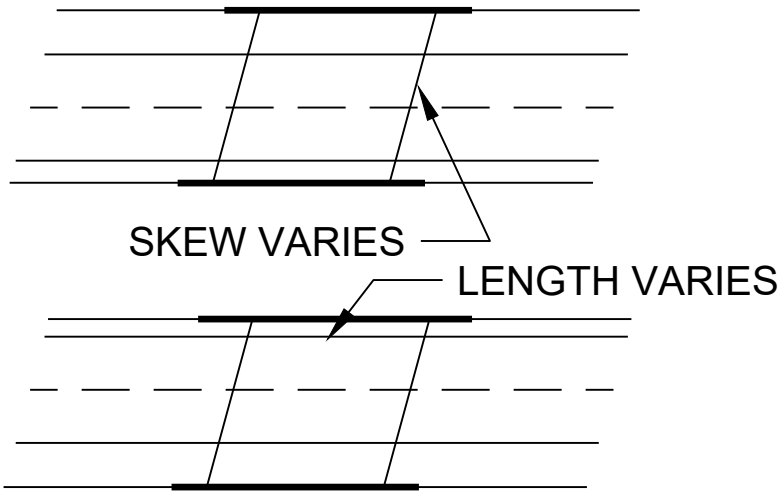
LEAH NICOL
DNR NORTHERN REGION HQ
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(715)-225-4159

NW REGION MAINTENANCE SUPERVISOR

DECK NOTES

- ENTIRE DECK SURFACE TO BE CLEANED AND SEALED
- INLET PROTECTION REQUIRED DURING CLEANING AND SEALING WORK IN THE STRUCTURES WITH FLOOR DRAINS
- USE TYPE FF FABRIC DURING CLEANING ACTIVITIES
- USE IMPERVIOUS FABRIC DURING SEALING ACTIVITIES

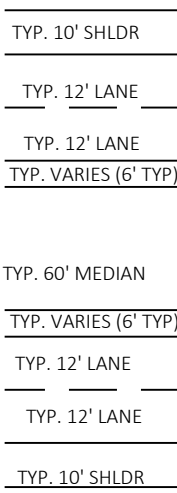


TYPICAL DECK PLAN VIEW

4 LANE DIVIDED HWY - TYPICAL IH-94

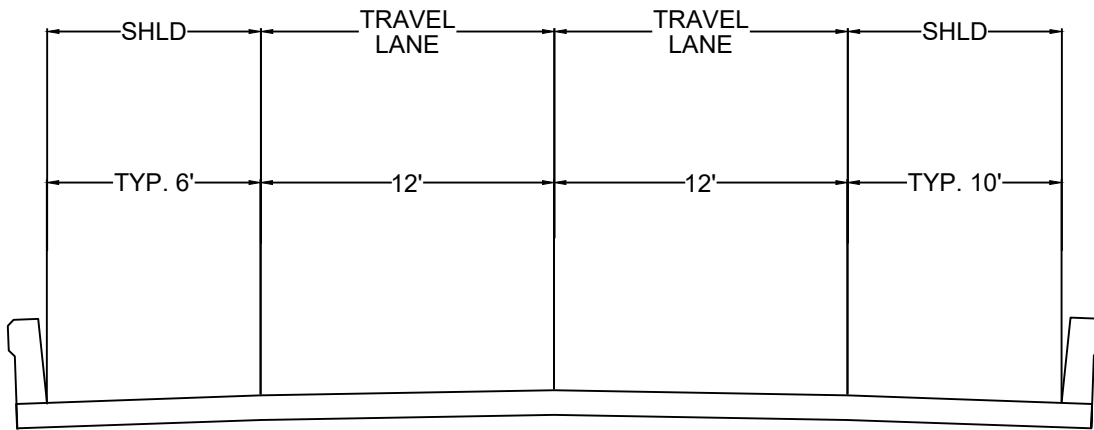
PIER COLUMN NOTES

- CLEAN AND SEAL ALL EXPOSED SURFACES OF ALL PIER COLUMNS FROM THE GROUND LEVEL TO 10-FOOT HEIGHT OR TO THE BOTTOM OF THE PIER CAP, WHICHEVER IS LOWER.



PARAPET NOTES

- INSIDE FACE AND TOP TO BE CLEANED AND SEALED.
- TOP SURFACE TO BE ROLLED OR BRUSHED
- PARAPET TYPE AND HEIGHT VARIES
- SURFACE AREA INCLUDED IN QUANTITY SUMMARY
- AVERAGE 2'-6" HEIGHT USED FOR QUANTITY ESTIMATE

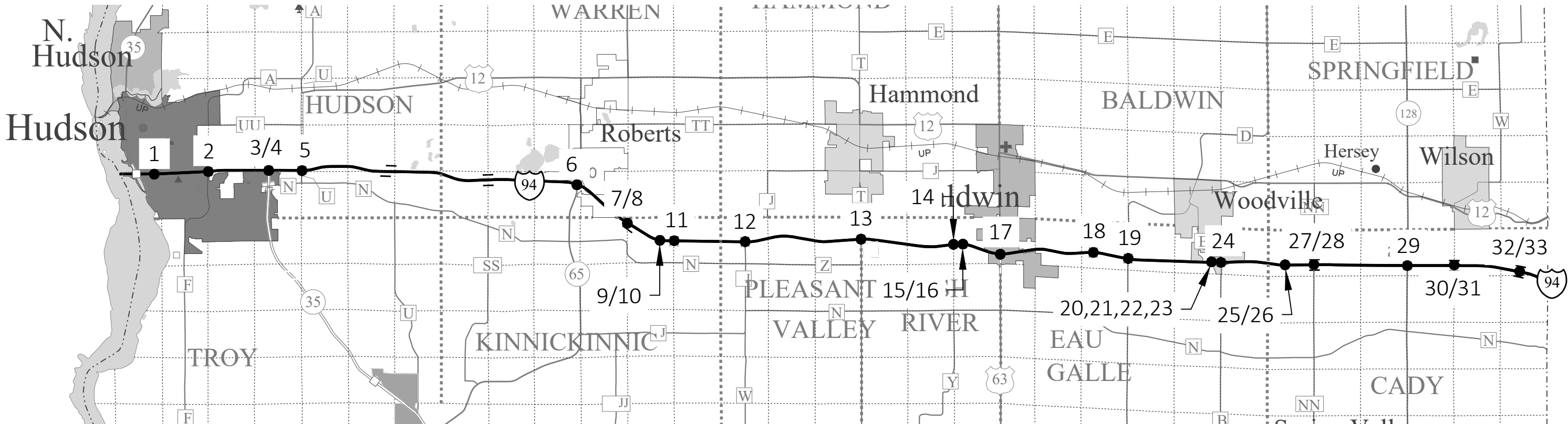


TYPICAL BRIDGE DECK CROSS SECTION

4 LANE DIVIDED HIGHWAY - IH 94

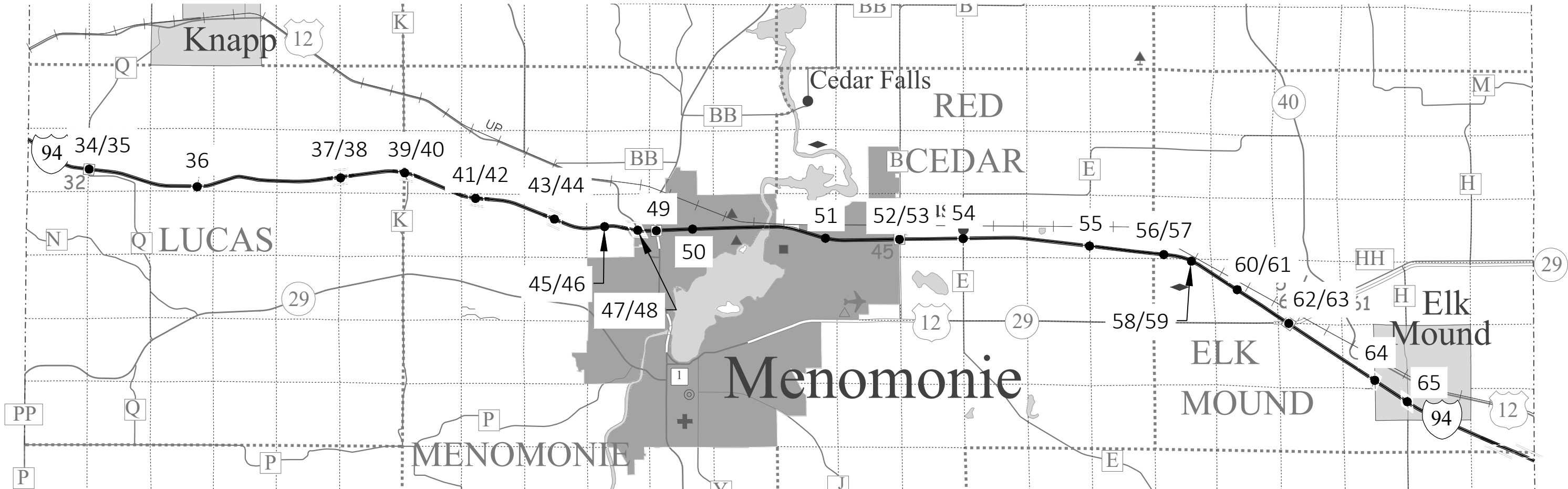
ST. CROIX COUNTY STRUCTURES SUMMARY

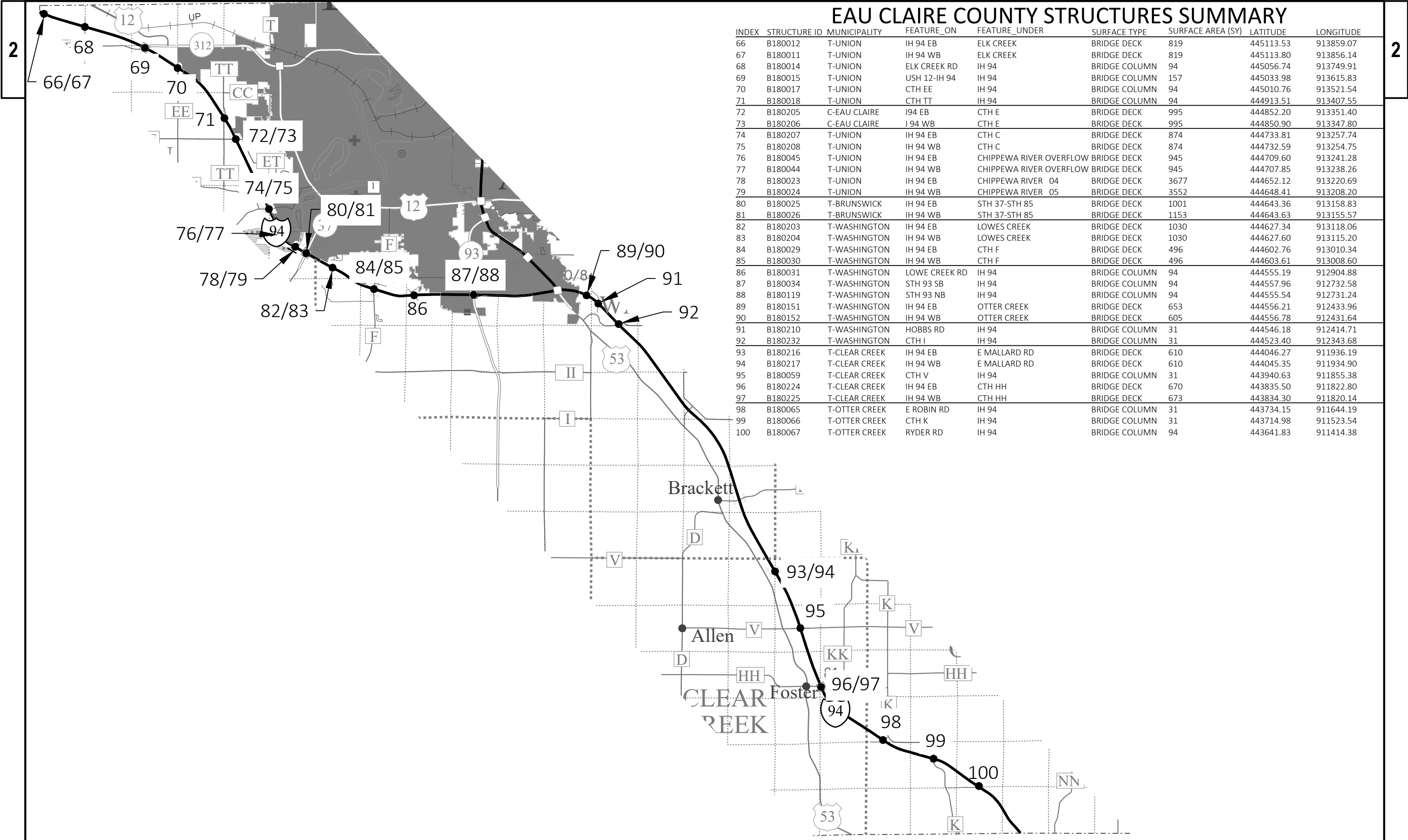
INDEX	STRUCTURE ID	MUNICIPALITY	FEATURE_ON	FEATURE_UNDER	SURFACE TYPE	SURFACE AREA (SY)	LATITUDE	LONGITUDE
1	B550026	C-HUDSON	11TH ST	IH 94-USH 12-STH 35	BRIDGE COLUMN	31	445744.73	924436.02
2	B550118	T-HUDSON	CARMICHAEL RD	IH 94-USH 12-STH 35	BRIDGE COLUMN	63	445747.34	924315.27
3	B550147	T-HUDSON	IH 94 EB	STH 35	BRIDGE DECK	1078	445749.36	924141.59
4	B550148	T-HUDSON	IH 94 WB	STH 35	BRIDGE DECK	1078	445750.66	924139.69
5	B550151	T-HUDSON	USH 12	IH 94	BRIDGE COLUMN	63	445748.68	924047.98
6	B550249	T-WARREN	STH 65	IH 94	BRIDGE COLUMN	94	445735.35	923334.25
7	B550254	T-KINNICKINNIC	IH 94 WB	130TH ST	BRIDGE DECK	580	445652.08	923215.72
8	B550255	T-KINNICKINNIC	IH 94 EB	130TH ST	BRIDGE DECK	580	445649.20	923215.72
9	B550257	T-KINNICKINNIC	IH 94 EB	KINNICKINNIC RIVER	BRIDGE DECK	632	445630.72	923119.38
10	B550256	T-KINNICKINNIC	IH 94 WB	KINNICKINNIC RIVER	BRIDGE DECK	637	445631.70	923119.01
11	B550258	T-KINNICKINNIC	HIGHLAND DR	IH 94	BRIDGE COLUMN	94	445629.91	923102.81
12	B550259	T-PLEASANT VALLEY	CTH J	IH 94	BRIDGE COLUMN	94	445628.06	922910.74
13	B550260	T-RUSH RIVER	CTH T	IH 94	BRIDGE COLUMN	94	445631.92	922608.33
14	B550261	T-RUSH RIVER	200TH STREET	IH 94	BRIDGE COLUMN	94	445625.73	922342.43
15	B550262	T-RUSH RIVER	IH 94 WB	RUSH RIVER	BRIDGE DECK	609	445627.60	922330.24
16	B550263	T-RUSH RIVER	IH 94 EB	RUSH RIVER	BRIDGE DECK	610	445626.05	922330.05
17	B550202	T-EAU GALLE	USH 63N	IH 94W	BRIDGE COLUMN	52	445614.42	922228.25
18	B550264	T-EAU GALLE	233RD STREET	IH 94	BRIDGE COLUMN	94	445617.15	922002.61
19	B550265	T-EAU GALLE	CTH BB	IH 94	BRIDGE COLUMN	94	445608.53	921907.10
20	B550281	T-EAU GALLE	IH 94 EB	CARR CREEK	BRIDGE DECK	849	445604.45	921655.17
21	B550282	T-EAU GALLE	IH 94 WB	CARR CREEK	BRIDGE DECK	849	445605.70	921654.43
22	B550285	T-EAU GALLE	IH 94 EB	CARR CREEK	BRIDGE DECK	417	445603.80	921656.20
23	B550286	T-EAU GALLE	IH 94 WB	CARR CREEK	BRIDGE DECK	430	445606.20	921655.90
24	B550233	T-EAU GALLE	CTH B	IH 94	BRIDGE COLUMN	67	445603.92	921640.84
25	B550015	T-CADY	IH 94 EB	EAU GALLE RIVER	BRIDGE DECK	633	445600.95	921457.93
26	B550016	T-CADY	IH 94 WB	EAU GALLE RIVER	BRIDGE DECK	632	445602.58	921455.65
27	B550271	T-CADY	IH 94 EB	CTH NN	BRIDGE DECK	487	445601.45	921415.94
28	B550270	T-CADY	IH 94 WB	CTH NN	BRIDGE DECK	487	445602.68	921414.46
29	B550266	T-CADY	STH 128	IH 94	BRIDGE COLUMN	94	445559.47	921147.27
30	B550248	T-CADY	IH 94 EB	WILSON RD	BRIDGE DECK	491	445559.27	921034.33
31	B550247	T-CADY	IH 94 WB	WILSON RD	BRIDGE DECK	490	445600.85	921033.01
32	B550246	T-CADY	IH 94 EB	NORSEMAN DR	BRIDGE DECK	491	445552.03	920851.75
33	B550245	T-CADY	IH 94 WB	NORSEMAN DR	BRIDGE DECK	660	445553.36	920849.62



DUNN COUNTY STRUCTURES SUMMARY

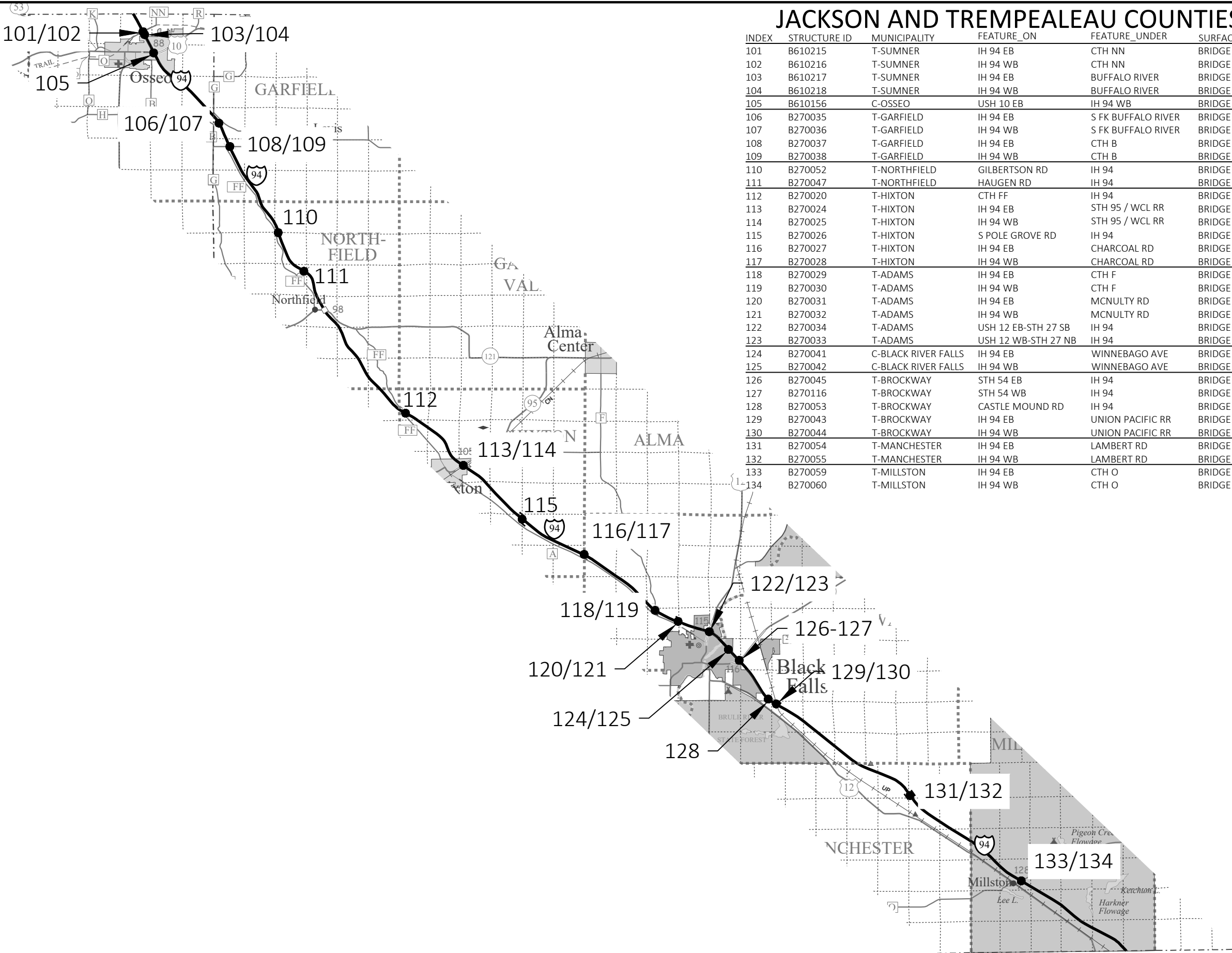
INDEX	STRUCTURE ID	MUNICIPALITY	FEATURE_ON	FEATURE_UNDER	SURFACE TYPE	SURFACE AREA (SY)	LATITUDE	LONGITUDE
34	B170214	T-LUCAS	IH 94 EB	CTH Q	BRIDGE DECK	490	445514.78	920657.65
35	B170215	T-LUCAS	IH 94 WB	CTH Q	BRIDGE DECK	490	445515.78	920656.35
36	B170216	T-LUCAS	HALL ESTATE RD	IH 94	BRIDGE COLUMN	94	445500.35	920450.97
37	B170217	T-LUCAS	IH 94 EB	VALLEY RD	BRIDGE DECK	492	445508.25	920205.22
38	B170218	T-LUCAS	IH 94 WB	VALLEY RD	BRIDGE DECK	491	445509.95	920203.95
39	B170219	T-MENOMONIE	IH 94 EB	CTH K	BRIDGE DECK	547	445512.30	920050.66
40	B170220	T-MENOMONIE	IH 94 WB	CTH K	BRIDGE DECK	546	445513.47	920049.65
41	B170221	T-MENOMONIE	IH 94 EB	STEWARD RD	BRIDGE DECK	491	445451.08	915926.70
42	B170222	T-MENOMONIE	IH 94 WB	STEWARD RD	BRIDGE DECK	490	445452.59	915925.40
43	B170223	T-MENOMONIE	IH 94 WB	RUDINGER RD	BRIDGE DECK	542	445433.84	915755.55
44	B170224	T-MENOMONIE	IH 94 EB	RUDINGER RD	BRIDGE DECK	543	445434.64	915754.24
45	B170175	T-MENOMONIE	IH 94 EB	WILSON CREEK	BRIDGE DECK	900	445427.81	915701.32
46	B170174	T-MENOMONIE	IH 94 WB	WILSON CREEK	BRIDGE DECK	707	445429.28	915659.78
47	B170055	T-MENOMONIE	IH 94 EB	USH 12	BRIDGE DECK	639	445424.98	915620.12
48	B170054	T-MENOMONIE	IH 94 WB	USH 12	BRIDGE DECK	751	445426.09	915619.23
49	B170029	C-MENOMONIE	STH 25-BROADWAY ST	IH 94	BRIDGE COLUMN	63	445424.49	915557.47
50	B170040	C-MENOMONIE	WILSON ST	IH 94	BRIDGE COLUMN	94	445425.20	915528.80
51	B170193	C-MENOMONIE	STOKKE PRWY.	IH94WB	BRIDGE COLUMN	42	445419.80	915248.28
52	B170145	T-RED CEDAR	CTH B SB	IH 94	BRIDGE COLUMN	31	445419.51	915117.02
53	B170144	T-RED CEDAR	CTH B NB	IH 94	BRIDGE COLUMN	31	445416.99	915115.74
54	B170043	T-RED CEDAR	CTH E	IH 94	BRIDGE COLUMN	94	445418.14	915002.30
55	B170044	T-RED CEDAR	730TH ST	IH 94	BRIDGE COLUMN	94	445411.73	914735.45
56	B170035	T-ELK MOUND	IH 94 EB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	288	445404.90	914609.92
57	B170034	T-ELK MOUND	IH 94 WB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	288	445405.95	914608.23
58	B170037	T-ELK MOUND	IH 94 EB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	148	445400.13	914539.15
59	B170036	T-ELK MOUND	IH 94 WB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	148	445401.06	914538.27
60	B170039	T-ELK MOUND	IH 94 EB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	147	445334.98	914443.32
61	B170038	T-ELK MOUND	IH 94 WB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	148	445335.77	914442.20
62	B170060	T-ELK MOUND	IH 94 EB	USH 12-STH 29	BRIDGE DECK	1595	445310.09	914350.52
63	B170059	T-ELK MOUND	IH 94 WB	USH 12-STH 29	BRIDGE DECK	1595	445308.15	914343.49
64	B170061	T-ELK MOUND	DIVISION ST	IH 94	BRIDGE COLUMN	94	445220.57	914206.52
65	B170049	V-ELK MOUND	HOLLY AVE	IH 94	BRIDGE COLUMN	94	445202.10	914127.37





EAU CLAIRE COUNTY STRUCTURES SUMMARY

INDEX	STRUCTURE ID	MUNICIPALITY	FEATURE_ON	FEATURE_UNDER	SURFACE TYPE	SURFACE AREA (SY)	LATITUDE	LONGITUDE
66	B180012	T-UNION	IH 94 EB	ELK CREEK	BRIDGE DECK	819	445113.53	913859.07
67	B180011	T-UNION	IH 94 WB	ELK CREEK	BRIDGE DECK	819	445113.80	913856.14
68	B180014	T-UNION	ELK CREEK RD	IH 94	BRIDGE COLUMN	94	445056.74	913749.91
69	B180015	T-UNION	USH 12-IH 94	IH 94	BRIDGE COLUMN	157	445033.98	913615.83
70	B180017	T-UNION	CTH EE	IH 94	BRIDGE COLUMN	94	445010.76	913521.54
71	B180018	T-UNION	CTH TT	IH 94	BRIDGE COLUMN	94	444913.51	913407.55
72	B180205	C-EAU CLAIRE	I94 EB	CTH E	BRIDGE DECK	995	444852.20	913351.40
73	B180206	C-EAU CLAIRE	I 94 WB	CTH E	BRIDGE DECK	995	444850.90	913347.80
74	B180207	T-UNION	IH 94 EB	CTH C	BRIDGE DECK	874	444733.81	913257.74
75	B180208	T-UNION	IH 94 WB	CTH C	BRIDGE DECK	874	444732.59	913254.75
76	B180045	T-UNION	IH 94 EB	CHIPPEWA RIVER OVERFLOW	BRIDGE DECK	945	444709.60	913241.28
77	B180044	T-UNION	IH 94 WB	CHIPPEWA RIVER OVERFLOW	BRIDGE DECK	945	444707.85	913238.26
78	B180023	T-UNION	IH 94 EB	CHIPPEWA RIVER 04	BRIDGE DECK	3677	444652.12	913220.69
79	B180024	T-UNION	IH 94 WB	CHIPPEWA RIVER 05	BRIDGE DECK	3552	444648.41	913208.20
80	B180025	T-BRUNSWICK	IH 94 EB	STH 37-STH 85	BRIDGE DECK	1001	444643.36	913158.83
81	B180026	T-BRUNSWICK	IH 94 WB	STH 37-STH 85	BRIDGE DECK	1153	444643.63	913155.57
82	B180203	T-WASHINGTON	IH 94 EB	LOWES CREEK	BRIDGE DECK	1030	444627.34	913118.06
83	B180204	T-WASHINGTON	IH 94 WB	LOWES CREEK	BRIDGE DECK	1030	444627.60	913115.20
84	B180029	T-WASHINGTON	IH 94 EB	CTH F	BRIDGE DECK	496	444602.76	913010.34
85	B180030	T-WASHINGTON	IH 94 WB	CTH F	BRIDGE DECK	496	444603.61	913008.60
86	B180031	T-WASHINGTON	LOWE CREEK RD	IH 94	BRIDGE COLUMN	94	444555.19	912904.88
87	B180034	T-WASHINGTON	STH 93 SB	IH 94	BRIDGE COLUMN	94	444557.96	912732.58
88	B180119	T-WASHINGTON	STH 93 NB	IH 94	BRIDGE COLUMN	94	444555.54	912731.24
89	B180151	T-WASHINGTON	IH 94 EB	OTTER CREEK	BRIDGE DECK	653	444556.21	912433.96
90	B180152	T-WASHINGTON	IH 94 WB	OTTER CREEK	BRIDGE DECK	605	444556.78	912431.64
91	B180210	T-WASHINGTON	HOBBS RD	IH 94	BRIDGE COLUMN	31	444546.18	912414.71
92	B180232	T-WASHINGTON	CTH I	IH 94	BRIDGE COLUMN	31	444523.40	912343.68
93	B180216	T-CLEAR CREEK	IH 94 EB	E MALLARD RD	BRIDGE DECK	610	444046.27	911936.19
94	B180217	T-CLEAR CREEK	IH 94 WB	E MALLARD RD	BRIDGE DECK	610	444045.35	911934.90
95	B180059	T-CLEAR CREEK	CTH V	IH 94	BRIDGE COLUMN	31	443940.63	911855.38
96	B180224	T-CLEAR CREEK	IH 94 EB	CTH HH	BRIDGE DECK	670	443835.50	911822.80
97	B180225	T-CLEAR CREEK	IH 94 WB	CTH HH	BRIDGE DECK	673	443834.30	911820.14
98	B180065	T-OTTER CREEK	E ROBIN RD	IH 94	BRIDGE COLUMN	31	443734.15	911644.19
99	B180066	T-OTTER CREEK	CTH K	IH 94	BRIDGE COLUMN	31	443714.98	911523.54
100	B180067	T-OTTER CREEK	RYDER RD	IH 94	BRIDGE COLUMN	94	443641.83	911414.38



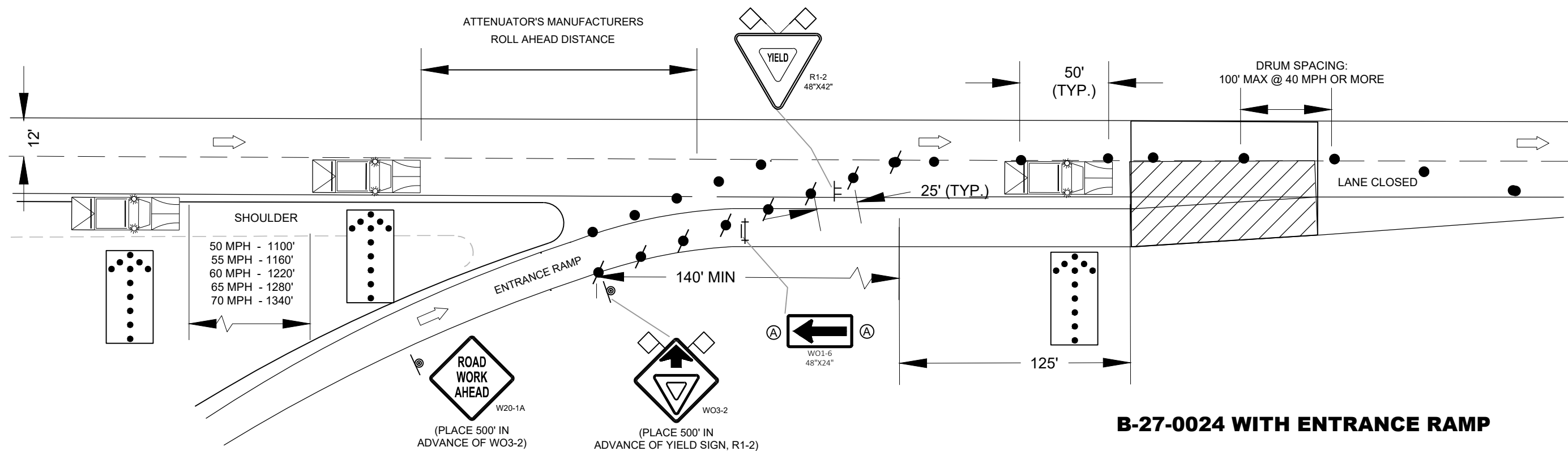
JACKSON AND TREMPEALEAU COUNTIES STRUCTURES SUMMARY

INDEX	STRUCTURE ID	MUNICIPALITY	FEATURE_ON	FEATURE_UNDER	SURFACE TYPE	SURFACE AREA (SY)	LATITUDE	LONGITUDE
101	B610215	T-SUMNER	IH 94 EB	CTH NN	BRIDGE DECK	1106	443519.68	911244.28
102	B610216	T-SUMNER	IH 94 WB	CTH NN	BRIDGE DECK	1106	443520.04	911243.20
103	B610217	T-SUMNER	IH 94 EB	BUFFALO RIVER	BRIDGE DECK	986	443516.80	911242.10
104	B610218	T-SUMNER	IH 94 WB	BUFFALO RIVER	BRIDGE DECK	986	443517.10	911241.00
105	B610156	C-OSSEO	USH 10 EB	IH 94 WB	BRIDGE COLUMN	73	443444.44	911218.98
106	B270035	T-GARFIELD	IH 94 EB	S FK BUFFALO RIVER	BRIDGE DECK	602	443248.32	910948.25
107	B270036	T-GARFIELD	IH 94 WB	S FK BUFFALO RIVER	BRIDGE DECK	554	443246.79	910941.20
108	B270037	T-GARFIELD	IH 94 EB	CTH B	BRIDGE DECK	528	443207.74	910920.15
109	B270038	T-GARFIELD	IH 94 WB	CTH B	BRIDGE DECK	528	443206.58	910917.43
110	B270052	T-NORTHFIELD	GILBERTSON RD	IH 94	BRIDGE COLUMN	31	442942.76	910724.66
111	B270047	T-NORTHFIELD	HAUGEN RD	IH 94	BRIDGE COLUMN	31	442838.34	910624.84
112	B270020	T-HIXTON	CTH FF	IH 94	BRIDGE COLUMN	31	442439.28	910223.82
113	B270024	T-HIXTON	IH 94 EB	STH 95 / WCL RR	BRIDGE DECK	1,708	442312.92	910010.49
114	B270025	T-HIXTON	IH 94 WB	STH 95 / WCL RR	BRIDGE DECK	1,392	442312.34	910005.84
115	B270026	T-HIXTON	S POLE GROVE RD	IH 94	BRIDGE COLUMN	31	442141.86	905750.07
116	B270027	T-HIXTON	IH 94 EB	CHARCOAL RD	BRIDGE DECK	533	442042.09	905525.45
117	B270028	T-HIXTON	IH 94 WB	CHARCOAL RD	BRIDGE DECK	566	442043.00	905523.89
118	B270029	T-ADAMS	IH 94 EB	CTH F	BRIDGE DECK	540	441908.65	905238.74
119	B270030	T-ADAMS	IH 94 WB	CTH F	BRIDGE DECK	554	441909.69	905237.36
120	B270031	T-ADAMS	IH 94 EB	MCNULTY RD	BRIDGE DECK	491	441849.65	905144.12
121	B270032	T-ADAMS	IH 94 WB	MCNULTY RD	BRIDGE DECK	491	441850.69	905142.75
122	B270034	T-ADAMS	USH 12 EB-STH 27 SB	IH 94	BRIDGE COLUMN	31	441835.12	905032.62
123	B270033	T-ADAMS	USH 12 WB-STH 27 NB	IH 94	BRIDGE COLUMN	31	441832.29	905032.52
124	B270041	C-BLACK RIVER FALLS	IH 94 EB	WINNEBAGO AVE	BRIDGE DECK	1,249	441802.31	904945.21
125	B270042	C-BLACK RIVER FALLS	IH 94 WB	WINNEBAGO AVE	BRIDGE DECK	1,267	441801.42	904941.55
126	B270045	T-BROCKWAY	STH 54 EB	IH 94	BRIDGE COLUMN	31	441744.78	904923.50
127	B270116	T-BROCKWAY	STH 54 WB	IH 94	BRIDGE COLUMN	31	441746.63	904921.71
128	B270053	T-BROCKWAY	CASTLE MOUND RD	IH 94	BRIDGE COLUMN	31	441639.41	904813.59
129	B270043	T-BROCKWAY	IH 94 EB	UNION PACIFIC RR	BRIDGE DECK	891	441631.42	904755.16
130	B270044	T-BROCKWAY	IH 94 WB	UNION PACIFIC RR	BRIDGE DECK	891	441632.11	904753.48
131	B270054	T-MANCHESTER	IH 94 EB	LAMBERT RD	BRIDGE DECK	458	441357.32	904245.38
132	B270055	T-MANCHESTER	IH 94 WB	LAMBERT RD	BRIDGE DECK	642	441358.83	904239.92
133	B270059	T-MILLSTON	IH 94 EB	CTH O	BRIDGE DECK	615	441134.69	903825.33
134	B270060	T-MILLSTON	IH 94 WB	CTH O	BRIDGE DECK	608	441134.62	903821.89

LEGEND



SEE SEPARATE LANE CLOSURE
DETAIL FOR TRAFFIC CONTROL
ITEMS AND LAYOUT

B-17-0054 WITH ENTRANCE RAMP**B-27-0024 WITH ENTRANCE RAMP**

PROJECT NO: 1020-00-81

HWY: IH-94

COUNTY: NW REGION

TRAFFIC CONTROL DETAILS

SHEET

E

FILE NAME : N:\PDS\C3D\10200011\SHEETS\025001-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 1/22/2025 7:30 AM

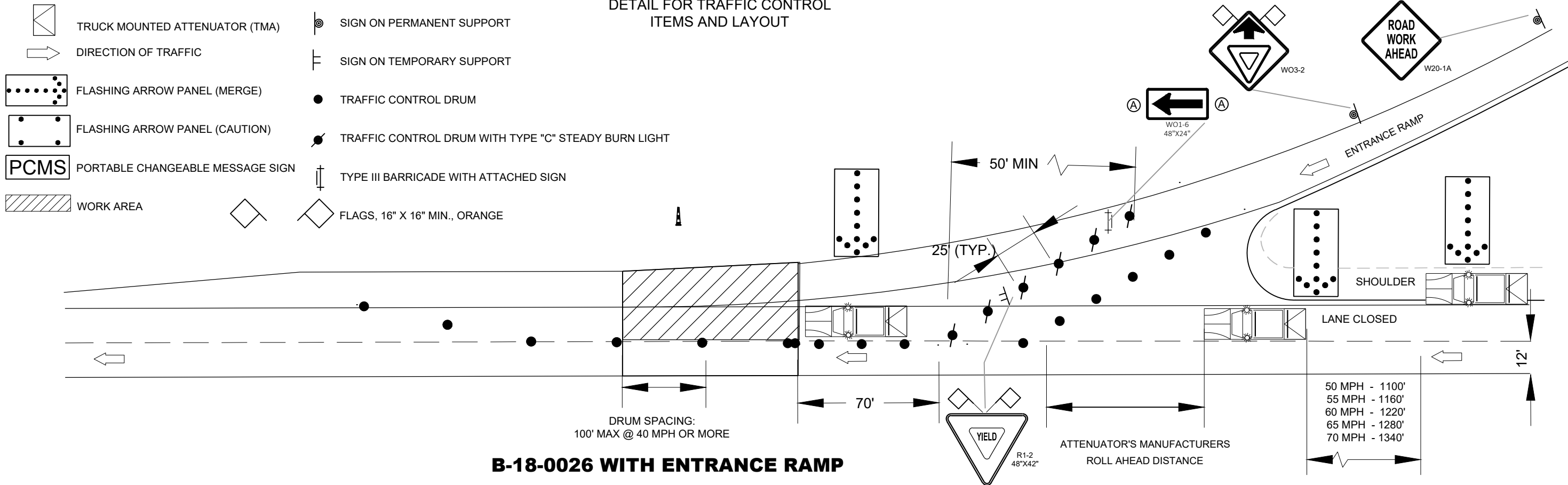
PLOT BY : KLAGES, JACOB W

PLOT NAME :

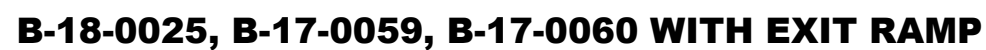
PLOT SCALE : 1 IN:10 FT

WISDOT/CADDs SHEET 42

SEE SEPARATE LANE CLOSURE
DETAIL FOR TRAFFIC CONTROL
ITEMS AND LAYOUT



B-18-0026 WITH ENTRANCE RAMP



Estimate Of Quantities

1020-00-81

Line	Item	Item Description	Unit	Total	Qty
0002	213.0100	Finishing Roadway (project) 01. 1020-00-81	EACH	1.000	1.000
0004	502.3215	Protective Surface Treatment Reseal	SY	71,162.000	71,162.000
0006	619.1000	Mobilization	EACH	1.000	1.000
0008	628.7010	Inlet Protection Type B	EACH	50.000	50.000
0010	643.0300	Traffic Control Drums	DAY	372.000	372.000
0012	643.0420	Traffic Control Barricades Type III	DAY	20.000	20.000
0014	643.0705	Traffic Control Warning Lights Type A	DAY	28.000	28.000
0016	643.0715	Traffic Control Warning Lights Type C	DAY	53.000	53.000
0018	643.0800	Traffic Control Arrow Boards	DAY	42.000	42.000
0020	643.0900	Traffic Control Signs	DAY	136.000	136.000
0022	643.1051	Traffic Control Signs PCMS with TMC Communications	DAY	28.000	28.000
0024	643.1070	Traffic Control Cones 42-Inch	DAY	696.000	696.000
0026	643.5000	Traffic Control	EACH	1.000	1.000

Project Items		213.0100.01 FINISHING ROADWAY (PROJECT) (01. 1020-00-81)	619.1000 MOBILIZATION	643.5000 TRAFFIC CONTROL
CATEGORY	Project	EACH	EACH	EACH
0010	1020-00-81	1	1	1
TOTAL 0010		1	1	1

BRIDGES							502.3215 PROTECTIVE SURFACE TREATMENT RESEAL	628.7010 INLET PROTECTION TYPE B	REMARKS
CATEGORY	INDEX	STRUCTURE ID	ST. CROIX COUNTY VILLAGE, TOWN, OR CITY	FEATURE ON	FEATURE UNDER	SURFACE TYPE	SY	EACH	
0010	1	B550026	C-HUDSON	11TH ST	IH 94-USH 12-STH 35	BRIDGE COLUMN	32		
0010	2	B550118	T-HUDSON	CARMICHAEL RD	IH 94-USH 12-STH 35	BRIDGE COLUMN	63		
0010	3	B550147	T-HUDSON	IH 94 EB	STH 35	BRIDGE DECK	1079	2	
0010	4	B550148	T-HUDSON	IH 94 WB	STH 35	BRIDGE DECK	1079	2	
0010	5	B550151	T-HUDSON	USH 12	IH 94	BRIDGE COLUMN	63		
0010	6	B550249	T-WARREN	STH 65	IH 94	BRIDGE COLUMN	95		
0010	7	B550254	T-KINNICKINNIC	IH 94 WB	130TH ST	BRIDGE DECK	580	2	
0010	8	B550255	T-KINNICKINNIC	IH 94 EB	130TH ST	BRIDGE DECK	580	2	
0010	9	B550257	T-KINNICKINNIC	IH 94 EB	KINNICKINNIC RIVER	BRIDGE DECK	633	1	
0010	10	B550256	T-KINNICKINNIC	IH 94 WB	KINNICKINNIC RIVER	BRIDGE DECK	637	1	
0010	11	B550258	T-KINNICKINNIC	HIGHLAND DR	IH 94	BRIDGE COLUMN	95		
0010	12	B550259	T-PLEASANT VALLEY	CTH J	IH 94	BRIDGE COLUMN	95		
0010	13	B550260	T-RUSH RIVER	CTH T	IH 94	BRIDGE COLUMN	95		
0010	14	B550261	T-RUSH RIVER	200TH STREET	IH 94	BRIDGE COLUMN	95		
0010	15	B550262	T-RUSH RIVER	IH 94 WB	RUSH RIVER	BRIDGE DECK	610	2	
0010	16	B550263	T-RUSH RIVER	IH 94 EB	RUSH RIVER	BRIDGE DECK	611	2	
0010	17	B550202	T-EAU GALLE	USH 63N	IH 94W	BRIDGE COLUMN	53		
0010	18	B550264	T-EAU GALLE	233RD STREET	IH 94	BRIDGE COLUMN	95		
0010	19	B550265	T-EAU GALLE	CTH BB	IH 94	BRIDGE COLUMN	95		
0010	20	B550281	T-EAU GALLE	IH 94 EB	CARR CREEK	BRIDGE DECK	849		
0010	21	B550282	T-EAU GALLE	IH 94 WB	CARR CREEK	BRIDGE DECK	849		
0010	22	B550285	T-EAU GALLE	IH 94 EB	CARR CREEK	BRIDGE DECK	417		
0010	23	B550286	T-EAU GALLE	IH 94 WB	CARR CREEK	BRIDGE DECK	430		
0010	24	B550233	T-EAU GALLE	CTH B	IH 94	BRIDGE COLUMN	67		
0010	25	B550015	T-CADY	IH 94 EB	EAU GALLE RIVER	BRIDGE DECK	633		
0010	26	B550016	T-CADY	IH 94 WB	EAU GALLE RIVER	BRIDGE DECK	633		
0010	27	B550271	T-CADY	IH 94 EB	CTH NN	BRIDGE DECK	487		
0010	28	B550270	T-CADY	IH 94 WB	CTH NN	BRIDGE DECK	487		
0010	29	B550266	T-CADY	STH 128	IH 94	BRIDGE COLUMN	95		
0010	30	B550248	T-CADY	IH 94 EB	WILSON RD	BRIDGE DECK	491		
0010	31	B550247	T-CADY	IH 94 WB	WILSON RD	BRIDGE DECK	491		
0010	32	B550246	T-CADY	IH 94 EB	NORSEMAN DR	BRIDGE DECK	492		
0010	33	B550245	T-CADY	IH 94 WB	NORSEMAN DR	BRIDGE DECK	661		
ST. CROIX COUNTY TOTAL							13767	14	

BRIDGES							502.3215	628.7010	REMARKS
DUNN COUNTY							PROTECTIVE SURFACE	INLET PROTECTION TYPE	
CATEGORY	INDEX	STRUCTURE ID	VILLAGE, TOWN, OR CITY	FEATURE ON	FEATURE UNDER	SURFACE TYPE	TREATMENT RESEAL	B	
							SY	EACH	
0010	34	B170214	T-LUCAS	IH 94 EB	CTH Q	BRIDGE DECK	491		
0010	35	B170215	T-LUCAS	IH 94 WB	CTH Q	BRIDGE DECK	491		
0010	36	B170216	T-LUCAS	HALL ESTATE RD	IH 94	BRIDGE COLUMN	95		
0010	37	B170217	T-LUCAS	IH 94 EB	VALLEY RD	BRIDGE DECK	492		
0010	38	B170218	T-LUCAS	IH 94 WB	VALLEY RD	BRIDGE DECK	491		
0010	39	B170219	T-MENOMONIE	IH 94 EB	CTH K	BRIDGE DECK	547		
0010	40	B170220	T-MENOMONIE	IH 94 WB	CTH K	BRIDGE DECK	546		
0010	41	B170221	T-MENOMONIE	IH 94 EB	STEWARD RD	BRIDGE DECK	492		
0010	42	B170222	T-MENOMONIE	IH 94 WB	STEWARD RD	BRIDGE DECK	491		
0010	43	B170223	T-MENOMONIE	IH 94 WB	RUDINGER RD	BRIDGE DECK	542		
0010	44	B170224	T-MENOMONIE	IH 94 EB	RUDINGER RD	BRIDGE DECK	544		
0010	45	B170175	T-MENOMONIE	IH 94 EB	WILSON CREEK	BRIDGE DECK	901		
0010	46	B170174	T-MENOMONIE	IH 94 WB	WILSON CREEK	BRIDGE DECK	708		
0010	47	B170055	T-MENOMONIE	IH 94 EB	USH 12	BRIDGE DECK	640		
0010	48	B170054	T-MENOMONIE	IH 94 WB	USH 12	BRIDGE DECK	751		
0010	49	B170029	C-MENOMONIE	STH 25-BROADWAY ST	IH 94	BRIDGE COLUMN	63		
0010	50	B170040	C-MENOMONIE	WILSON ST	IH 94	BRIDGE COLUMN	95		
0010	51	B170193	C-MENOMONIE	STOKKE PRWY.	IH94WB	BRIDGE COLUMN	42		
0010	52	B170145	T-RED CEDAR	CTH B SB	IH 94	BRIDGE COLUMN	32		
0010	53	B170144	T-RED CEDAR	CTH B NB	IH 94	BRIDGE COLUMN	32		
0010	54	B170043	T-RED CEDAR	CTH E	IH 94	BRIDGE COLUMN	95		
0010	55	B170044	T-RED CEDAR	730TH ST	IH 94	BRIDGE COLUMN	95		
0010	56	B170035	T-ELK MOUND	IH 94 EB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	289		
0010	57	B170034	T-ELK MOUND	IH 94 WB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	289		
0010	58	B170037	T-ELK MOUND	IH 94 EB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	148		
0010	59	B170036	T-ELK MOUND	IH 94 WB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	148		
0010	60	B170039	T-ELK MOUND	IH 94 EB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	147		
0010	61	B170038	T-ELK MOUND	IH 94 WB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	148		
0010	62	B170060	T-ELK MOUND	IH 94 EB	USH 12-STH 29	BRIDGE DECK	1595		
0010	63	B170059	T-ELK MOUND	IH 94 WB	USH 12-STH 29	BRIDGE DECK	1595		
0010	64	B170061	T-ELK MOUND	DIVISION ST	IH 94	BRIDGE COLUMN	95		
0010	65	B170049	V-ELK MOUND	HOLLY AVE	IH 94	BRIDGE COLUMN	95		
DUNN COUNTY TOTAL							13,225	0	

BRIDGES							502.3215	628.7010	REMARKS
EAU CLAIRE COUNTY							PROTECTIVE SURFACE	INLET PROTECTION TYPE	
CATEGORY	INDEX	STRUCTURE ID	VILLAGE, TOWN, OR CITY	FEATURE ON	FEATURE UNDER	SURFACE TYPE	TREATMENT RESEAL	B	
							SY	EACH	
0010	66	B180012	T-UNION	IH 94 EB	ELK CREEK	BRIDGE DECK	819		
0010	67	B180011	T-UNION	IH 94 WB	ELK CREEK	BRIDGE DECK	819		
0010	68	B180014	T-UNION	ELK CREEK RD	IH 94	BRIDGE COLUMN	95		
0010	69	B180015	T-UNION	USH 12-IH 94	IH 94	BRIDGE COLUMN	157		
0010	70	B180017	T-UNION	CTH EE	IH 94	BRIDGE COLUMN	95		
0010	71	B180018	T-UNION	CTH TT	IH 94	BRIDGE COLUMN	95		
0010	72	B180205	C-EAU CLAIRE	I94 EB	CTH E	BRIDGE DECK	996		
0010	73	B180206	C-EAU CLAIRE	I 94 WB	CTH E	BRIDGE DECK	996		
0010	74	B180207	T-UNION	IH 94 EB	CTH C	BRIDGE DECK	875	4	
0010	75	B180208	T-UNION	IH 94 WB	CTH C	BRIDGE DECK	874	4	
0010	76	B180045	T-UNION	IH 94 EB	CHIPPEWA RIVER OVERFLOW	BRIDGE DECK	945		
0010	77	B180044	T-UNION	IH 94 WB	CHIPPEWA RIVER OVERFLOW	BRIDGE DECK	945		
0010	78	B180023	T-UNION	IH 94 EB	CHIPPEWA RIVER 04	BRIDGE DECK	3677	5	
0010	79	B180024	T-UNION	IH 94 WB	CHIPPEWA RIVER 05	BRIDGE DECK	3553	5	
0010	80	B180025	T-BRUNSWICK	IH 94 EB	STH 37-STH 85	BRIDGE DECK	1001	2	
0010	81	B180026	T-BRUNSWICK	IH 94 WB	STH 37-STH 85	BRIDGE DECK	1154	2	
0010	82	B180203	T-WASHINGTON	IH 94 EB	LOWES CREEK	BRIDGE DECK	1030		
0010	83	B180204	T-WASHINGTON	IH 94 WB	LOWES CREEK	BRIDGE DECK	1030		
0010	84	B180029	T-WASHINGTON	IH 94 EB	CTH F	BRIDGE DECK	496		
0010	85	B180030	T-WASHINGTON	IH 94 WB	CTH F	BRIDGE DECK	496		
0010	86	B180031	T-WASHINGTON	LOWE CREEK RD	IH 94	BRIDGE COLUMN	95		
0010	87	B180034	T-WASHINGTON	STH 93 SB	IH 94	BRIDGE COLUMN	95		
0010	88	B180119	T-WASHINGTON	STH 93 NB	IH 94	BRIDGE COLUMN	95		
0010	89	B180151	T-WASHINGTON	IH 94 EB	OTTER CREEK	BRIDGE DECK	653		
0010	90	B180152	T-WASHINGTON	IH 94 WB	OTTER CREEK	BRIDGE DECK	605		
0010	91	B180210	T-WASHINGTON	HOBBS RD	IH 94	BRIDGE COLUMN	32		
0010	92	B180232	T-WASHINGTON	CTH I	IH 94	BRIDGE COLUMN	32		
0010	93	B180216	T-CLEAR CREEK	IH 94 EB	E MALLARD RD	BRIDGE DECK	610		
0010	94	B180217	T-CLEAR CREEK	IH 94 WB	E MALLARD RD	BRIDGE DECK	610		
0010	95	B180059	T-CLEAR CREEK	CTH V	IH 94	BRIDGE COLUMN	32		
0010	96	B180224	T-CLEAR CREEK	IH 94 EB	CTH HH	BRIDGE DECK	670		
0010	97	B180225	T-CLEAR CREEK	IH 94 WB	CTH HH	BRIDGE DECK	673		
0010	98	B180065	T-OTTER CREEK	E ROBIN RD	IH 94	BRIDGE COLUMN	32		
0010	99	B180066	T-OTTER CREEK	CTH K	IH 94	BRIDGE COLUMN	32		
0010	100	B180067	T-OTTER CREEK	RYDER RD	IH 94	BRIDGE COLUMN	95		
EAU CLAIRE COUNTY TOTAL							24,509	22	

BRIDGES							502.3215	628.7010
CATEGORY	INDEX	STRUCTURE ID	TREMPEALEAU COUNTY VILLAGE, TOWN, OR CITY	FEATURE ON	FEATURE UNDER	SURFACE TYPE	PROTECTIVE SURFACE TREATMENT RESEAL	INLET PROTECTION TYPE B
							SY	EACH
0010	101	B610215	T-SUMNER	IH 94 EB	CTH NN	BRIDGE DECK	1106	1
0010	102	B610216	T-SUMNER	IH 94 WB	CTH NN	BRIDGE DECK	1106	1
0010	103	B610217	T-SUMNER	IH 94 EB	BUFFALO RIVER	BRIDGE DECK	987	1
0010	104	B610218	T-SUMNER	IH 94 WB	BUFFALO RIVER	BRIDGE DECK	987	1
0010	105	B610156	C-OSSEO	USH 10 EB	IH 94 WB	BRIDGE COLUMN	74	
TREMPEALEAU COUNTY TOTAL							4,260	4
JACKSON COUNTY								
0010	106	B270035	T-GARFIELD	IH 94 EB	S FK BUFFALO RIVER	BRIDGE DECK	602	2
0010	107	B270036	T-GARFIELD	IH 94 WB	S FK BUFFALO RIVER	BRIDGE DECK	554	2
0010	108	B270037	T-GARFIELD	IH 94 EB	CTH B	BRIDGE DECK	529	
0010	109	B270038	T-GARFIELD	IH 94 WB	CTH B	BRIDGE DECK	529	
0010	110	B270052	T-NORTHFIELD	GILBERTSON RD	IH 94	BRIDGE COLUMN	32	
0010	111	B270047	T-NORTHFIELD	HAUGEN RD	IH 94	BRIDGE COLUMN	32	
0010	112	B270020	T-HIXTON	CTH FF	IH 94	BRIDGE COLUMN	32	
0010	113	B270024	T-HIXTON	IH 94 EB	STH 95 / WCL RR	BRIDGE DECK	1,709	1
0010	114	B270025	T-HIXTON	IH 94 WB	STH 95 / WCL RR	BRIDGE DECK	1,392	1
0010	115	B270026	T-HIXTON	S POLE GROVE RD	IH 94	BRIDGE COLUMN	32	
0010	116	B270027	T-HIXTON	IH 94 EB	CHARCOAL RD	BRIDGE DECK	533	1
0010	117	B270028	T-HIXTON	IH 94 WB	CHARCOAL RD	BRIDGE DECK	566	2
0010	118	B270029	T-ADAMS	IH 94 EB	CTH F	BRIDGE DECK	540	
0010	119	B270030	T-ADAMS	IH 94 WB	CTH F	BRIDGE DECK	554	
0010	120	B270031	T-ADAMS	IH 94 EB	MCNULTY RD	BRIDGE DECK	491	
0010	121	B270032	T-ADAMS	IH 94 WB	MCNULTY RD	BRIDGE DECK	491	
0010	122	B270034	T-ADAMS	USH 12 EB-STH 27 SB	IH 94	BRIDGE COLUMN	32	
0010	123	B270033	T-ADAMS	USH 12 WB-STH 27 NB	IH 94	BRIDGE COLUMN	32	
0010	124	B270041	C-BLACK RIVER FALLS	IH 94 EB	WINNEBAGO AVE	BRIDGE DECK	1,250	
0010	125	B270042	C-BLACK RIVER FALLS	IH 94 WB	WINNEBAGO AVE	BRIDGE DECK	1,267	
0010	126	B270045	T-BROCKWAY	STH 54 EB	IH 94	BRIDGE COLUMN	32	
0010	127	B270116	T-BROCKWAY	STH 54 WB	IH 94	BRIDGE COLUMN	32	
0010	128	B270053	T-BROCKWAY	CASTLE MOUND RD	IH 94	BRIDGE COLUMN	32	
0010	129	B270043	T-BROCKWAY	IH 94 EB	UNION PACIFIC RR	BRIDGE DECK	891	
0010	130	B270044	T-BROCKWAY	IH 94 WB	UNION PACIFIC RR	BRIDGE DECK	891	
0010	131	B270054	T-MANCHESTER	IH 94 EB	LAMBERT RD	BRIDGE DECK	459	
0010	132	B270055	T-MANCHESTER	IH 94 WB	LAMBERT RD	BRIDGE DECK	642	
0010	133	B270059	T-MILLSTON	IH 94 EB	CTH O	BRIDGE DECK	615	1
0010	134	B270060	T-MILLSTON	IH 94 WB	CTH O	BRIDGE DECK	608	
JACKSON COUNTY TOTAL							15,401	10
TOTAL 0010							71,162	50

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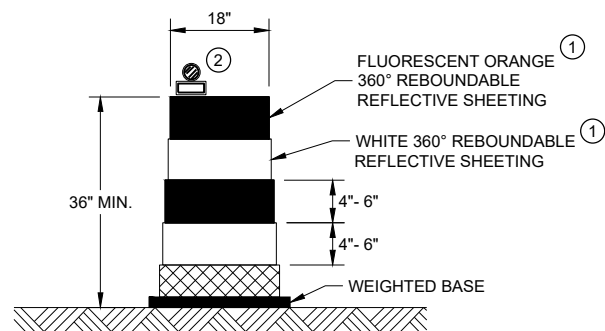
643-TRAFFIC CONTROL																
						643.0300	643.0420	643.0705	643.0715	643.0800	643.0900	643.1051	643.1070	ACCEL		
						TRAFFIC CONTROL	BARRICADES TYPE	WARNING LIGHTS	WARNING LIGHTS	CONTROL ARROW	TRAFFIC	TRAFFIC CONTROL	TRAFFIC			
						DRUMS	III	TYPE A	TYPE C	BOARDS	CONTROL SIGNS	SIGNS PCMS WITH	CONES	DECEL		
CATEGORY	COUNTY	STRUCTURE ID	VILLAGE, TOWN, OR CITY	FEATURE ON	FEATURE UNDER	DAY	DAY	DAY	DAY	DAY	DAY	CELLULAR	42-INCH	DRUM		
0010	ST. CROIX	VARIOUS	VARIOUS	-	-	72	0	0	0	9	12	6	25	FT		
0010	ST. CROIX	B-55-0148	T-HUDSON	IH 94 WB	STH 35	0	2	2	4	0	6	0	80	350	EXIT LANE ACROSS BRIDGE DECK TO EXIT RAMP BEYOND BRIDGE	
0010	ST. CROIX	B-55-0285	T-WOODVILLE	IH 94 WB ENTRANCE RAMP	CARR CREEK	0	1	2	4	0	4	0	25	350	STAGE BRIDGE USING SHORT DURATION MOBILE OPERATIONS WHILE MAINTAINING 12' DRIVING LANE*	
0010	ST. CROIX	B-55-0286	T-WOODVILLE	IH 94 EB EXIT RAMP	CARR CREEK	0	1	2	4	0	4	0	25	350	STAGE BRIDGE USING SHORT DURATION MOBILE OPERATIONS WHILE MAINTAINING 12' DRIVING LANE*	
0010	DUNN	VARIOUS	VARIOUS	-	-	72	0	0	0	9	12	6	25	-		
0010	DUNN	B-17-0054	T-MENOMONIE	IH 94 WB	USH 12	0	1	2	7	0	6	0	25	400	v ENTRANCE RAMP TAPER FROM STH 25 INTERCHANGE ACROSS BRIDGE	
0011	DUNN	B-17-0055	T-MENOMONIE	IH 94 EB	USH 12	0	2	2	2	0	6	0	80	200	EXIT RAMP TAPER TO STH 25 INTERCHANGE BEGINS AT EAST END OF DECK	
0010	DUNN	B-17-0059	T-ELK MOUND	IH 94 WB	USH 12-STH 29	0	2	2	4	0	6	0	25	50	v ENTRANCE LANE ACROSS BRIDGE DECK	
0012	DUNN	B-17-0060	T-ELK MOUND	IH 94 EB	USH 12-STH 29	0	2	2	4	0	6	0	25	50	v EXIT LANE ACROSS BRIDGE TO EXIT RAMP JUST BEYOND END OF DECK	
0010	EAU CLAIRE	VARIOUS	VARIOUS	-	-	96	0	0	0	12	16	8	25	-		
0010	EAU CLAIRE	B-18-0015	T-UNION	CONNECTOR USH 12-IH 94	IH 94	12	1	2	2	0	6	0	25	50	EXIT RAMP TAPER TO STH 312 BEGINS AFTER SOUTHERN MOST PIER	
0010	EAU CLAIRE	B-18-0025	T-BRUNSWICK	IH 94 EB	STH 37-STH 85	0	2	2	4	0	6	0	25	50	v EXIT LANE ACROSS BRIDGE TO EXIT RAMP JUST BEYOND END OF DECK	
0010	EAU CLAIRE	B-18-0026	T-BRUNSWICK	IH 94 WB	STH 37-STH 85	0	1	2	2	0	6	0	25	50	v ENTRANCE LANE ACROSS BRIDGE DECK	
0010	EAU CLAIRE	B-18-0151	T-WASHINGTON	IH 94 EB	OTTER CREEK	12	1	2	2	0	6	0	80	900	ENTRANCE RAMP TAPER FROM USH 53 INTERCHANGE ENDS AT WEST END OF BRIDGE	
0010	TREMPEALEAU	VARIOUS	VARIOUS	-	-	24	0	0	0	3	4	2	25	-		
0010	JACKSON	VARIOUS	VARIOUS	-	-	72	0	0	0	9	12	6	25	-		
0010	JACKSON	B-27-0024	T-HIXTON	IH 94 EB	STH 95	0	1	2	8	0	6	0	25	140	v ENTRANCE LANE ACROSS BRIDGE DECK	
0010	JACKSON	B-27-0025	T-HIXTON	IH 94 WB	STH 95	0	2	2	4	0	6	0	80	150	EXIT LANE TAPER & EXIT LANE ACROSS BRIDGE DECK TO EXIT RAMP BEYOND BRIDGE	
0011	JACKSON	B-27-0042	C-BLACK RIVER FALLS	IH 94 WB	WINNEBAGO AVE	12	1	2	2	0	6	0	26	500	ENTRANCE RAMP TAPER FROM STH 54 INTERCHANGE ENDS AT EAST END OF BRIDGE DECK	
TOTAL 0010						372	20	28	53	42	136	28	696			
NOTE: QUANTITIES BASED OFF OF STANDARD DETAIL DRAWINGS LISTED BELOW AND IN NOTES TO THE RIGHT. TRAFFIC CONTROL SHORT DURATION MOBILE OPERATIONS						❖ SEE PROJECT TRAFFIC CONTROL DETAIL										
						SDD 15D15-07e Traffic Control, Parallel Exit Ramp Within Lane Closure			USE TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE SDD WITH THE MODIFIED DECELERATION DRUM TAPER LENGTH SHOWN. THE DISTANCE BETWEEN THE END OF THE DRUM TAPER AND THE BEGINNING OF THE EXIT RAMP WILL VARY DEPENDING ON LOCATION.							
- FOR MOVING OPERATIONS SIGNS CAN BE PLACED ON TEMPORARY SUPPORT RATHER THAN PERMANENT SUPPORT IF CLOSURE AND SPEED REDUCTION MOVE WITH CONSTRUCTION OPERATIONS.						SDD 15D15-07d Traffic Control, Tapered Entrance Ramp Within Lane Closure			USE TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE SDD WITH THE MODIFIED ACCELERATION DRUM TAPER LENGTH SHOWN.							
- FOR MOVING OPERATIONS TEMPORARY PAVEMENT MARKING NOT REQUIRED.						NOTE: THE ACCELERATION/DECELERATION DRUM TAPER LENGTHS SHOWN IN THE TABLE ARE FOR THE SITUATION WHERE THE RIGHT TRAFFIC LANE AND THE ENTRANCE/EXIT LANE AND/OR ENTRANCE/EXIT TAPER ARE CLOSED ON THE BRIDGE AND ITS APPROACHES. ADJUST THE ACCELERATION DRUM TAPERS AT ENTRANCE RAMPS AS NEEDED FOR THE SITUATION WHERE THE LEFT TRAFFIC LANE IS CLOSED ON THE BRIDGE AND ITS APPROACHES.										
						*BRIDGE DECK WIDTH IS 28'										
PROJECT NO: 1020-00-81			HWY: IH-94			COUNTY: NW REGION			MISCELLANEOUS QUANTITIES					SHEET		E

3

Standard Detail Drawing List

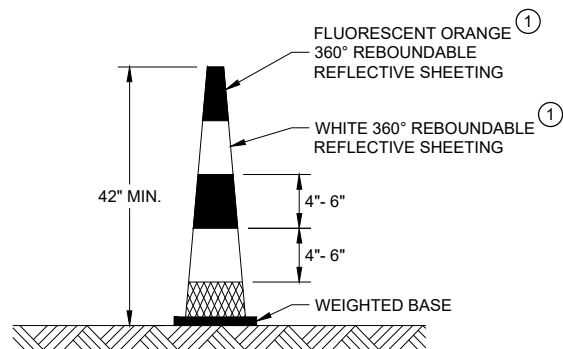
08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D12-13B	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D14-07	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY
15D15-07A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07B	TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D40-05D	TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D43-02	TRAFFIC CONTROL, SHORT DURATION MOBILE OPERATIONS

S.D.D. 8 E 10-2



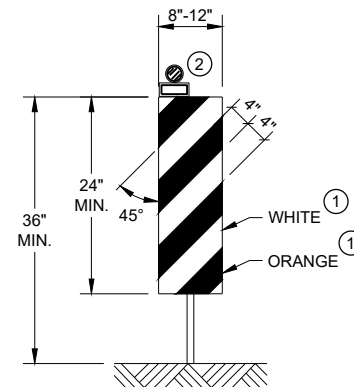
DRUM

BALLAST WIDTHS
RANGE FROM 24"-36"



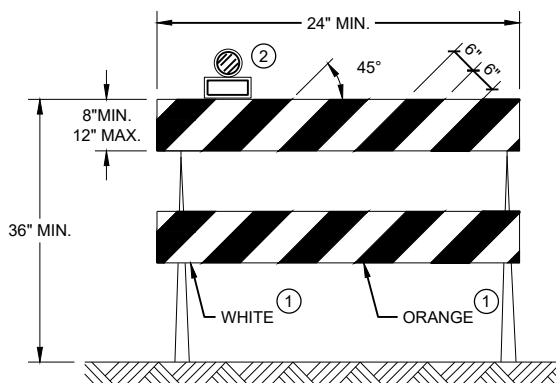
42" CONE

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



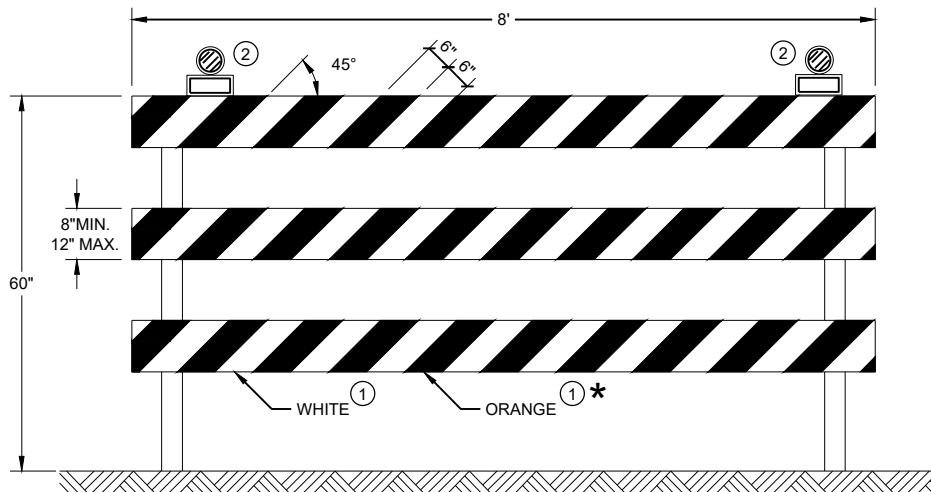
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

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
November 2022 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

FHWA

GENERAL NOTES

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

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

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

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

"WO" SIGNS ARE THE SAME AS "W" SIGNS 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.

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

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

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

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

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

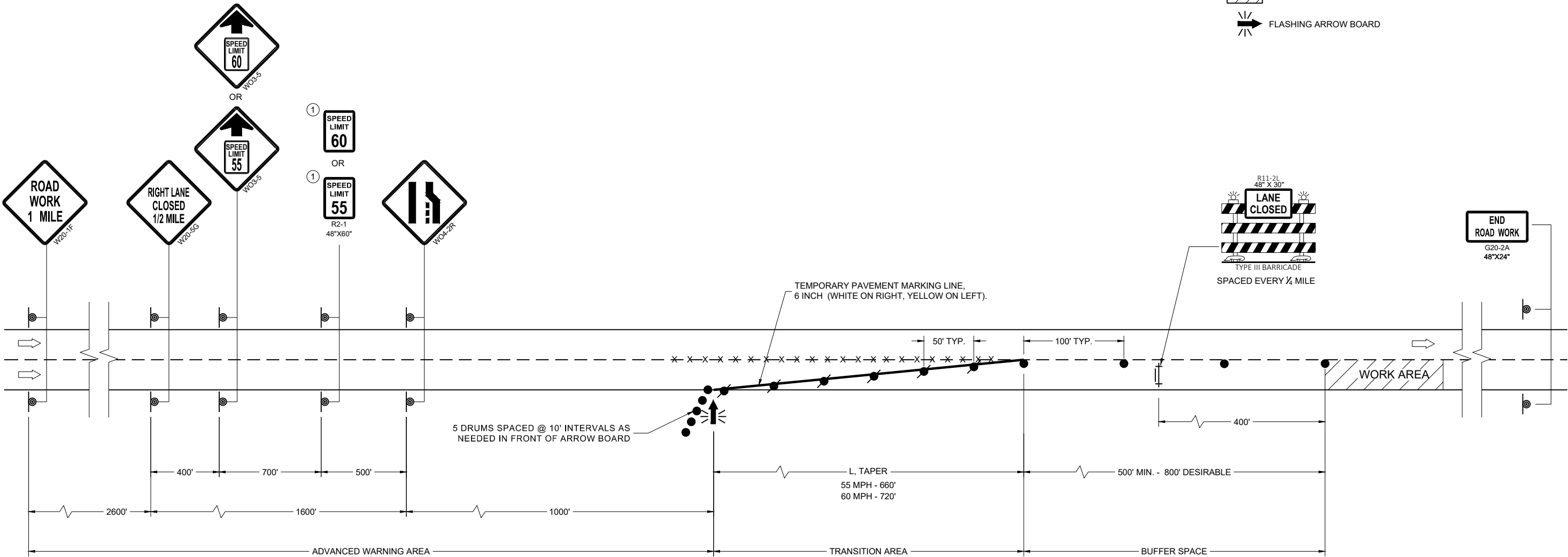
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE 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.

1 A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

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)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD

6



6

SDD 15D12-13b

TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2024 DATE	/S/ Andrew Heidtke Work Zone Engineer
FHWA	

SDD 15D12-13b

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)
- REMOVING PAVEMENT MARKINGS
- 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.

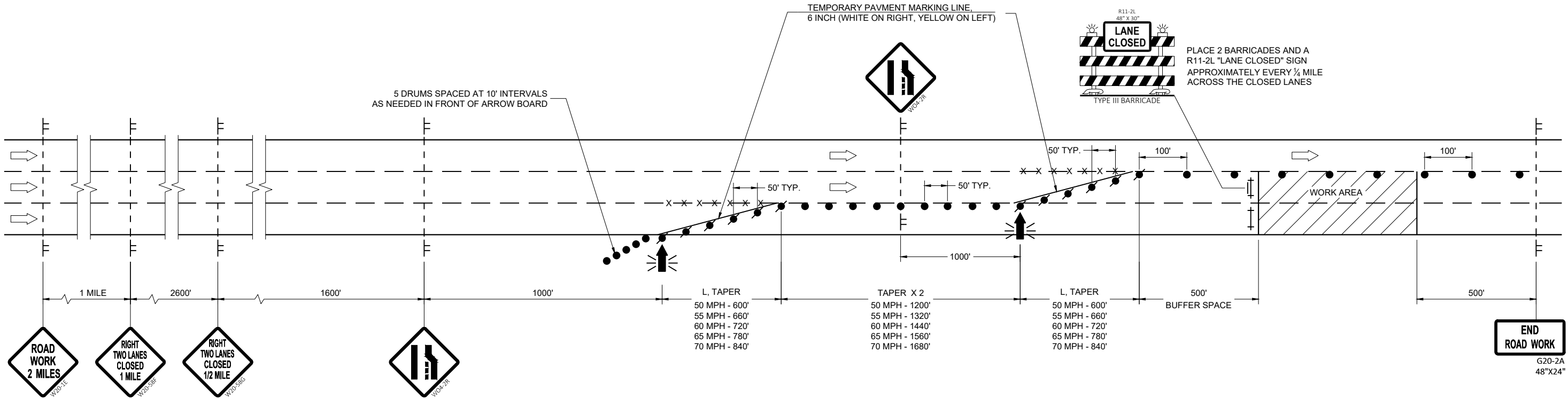
WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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.

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



TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2024 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. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

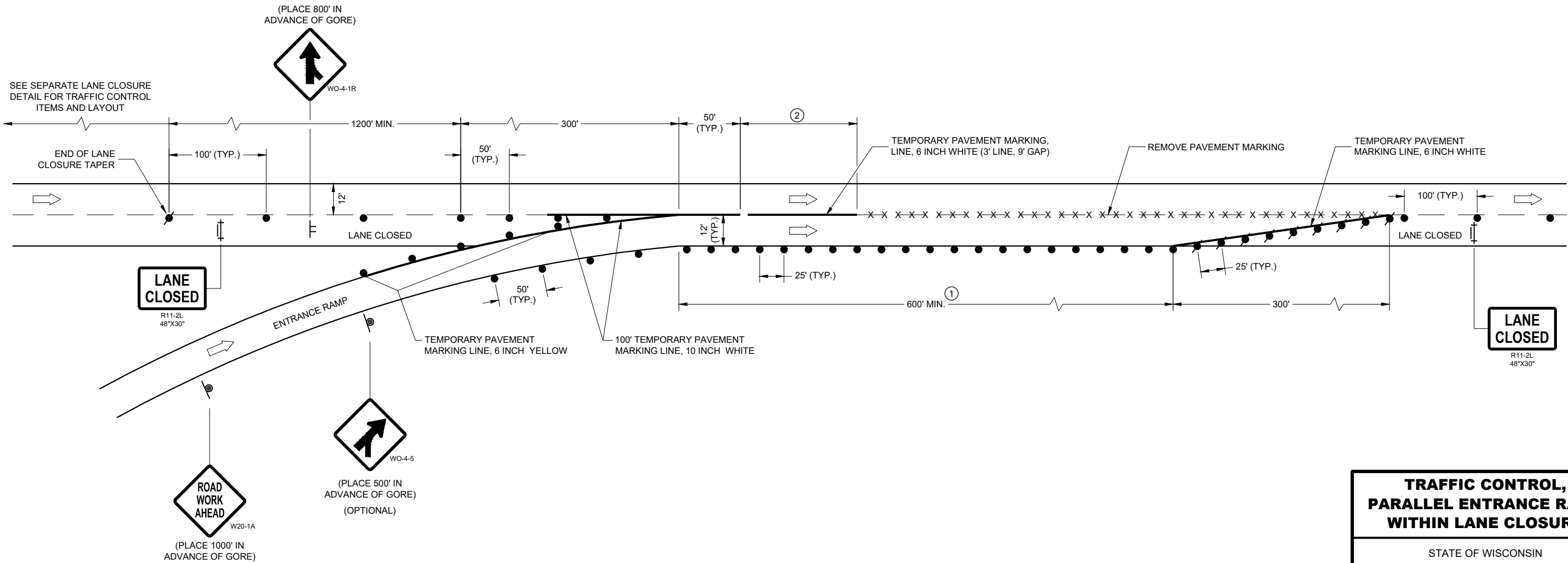
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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 LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

- 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 PAVEMENT MARKING LINE AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.



TRAFFIC CONTROL,
PARALLEL ENTRANCE RAMP
WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
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
- 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.

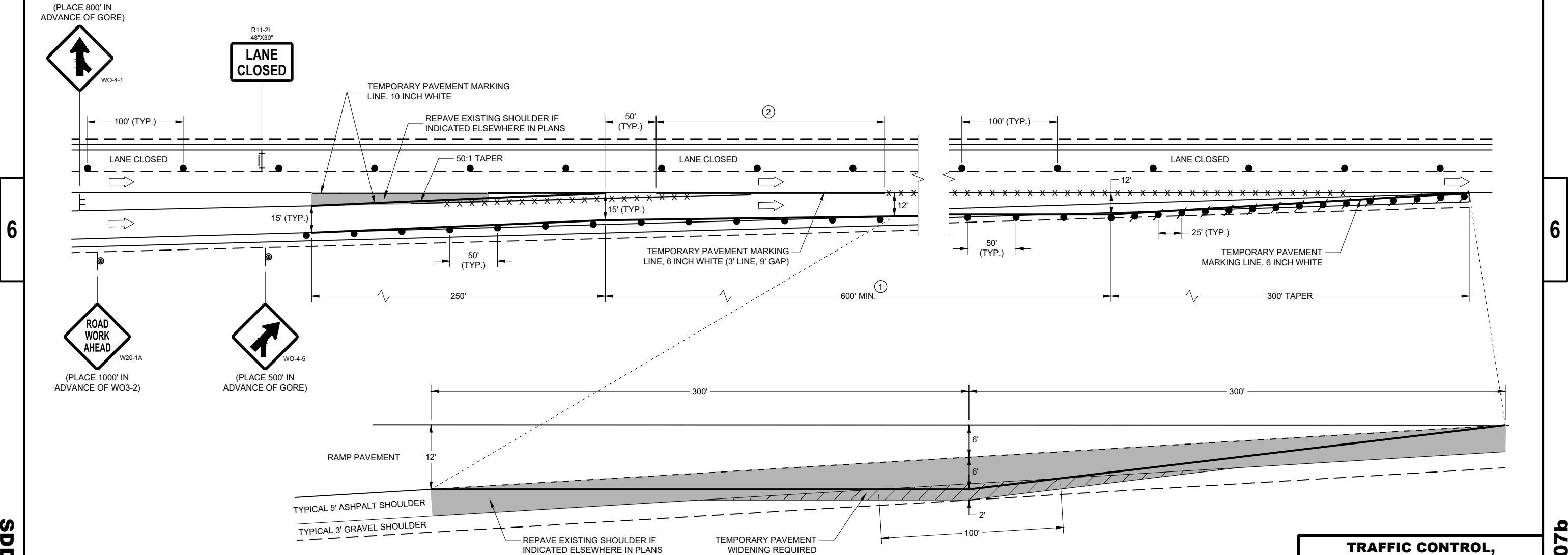
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS /OR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

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

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

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

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



TEMPORARY PAVEMENT DETAIL

(EXISTING RAMP DIMENSIONS MAY VARY, ADJUST TEMPORARY PAVEMENT ACCORDINGLY)

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15D15-07b

SDD 15D15-07b

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.

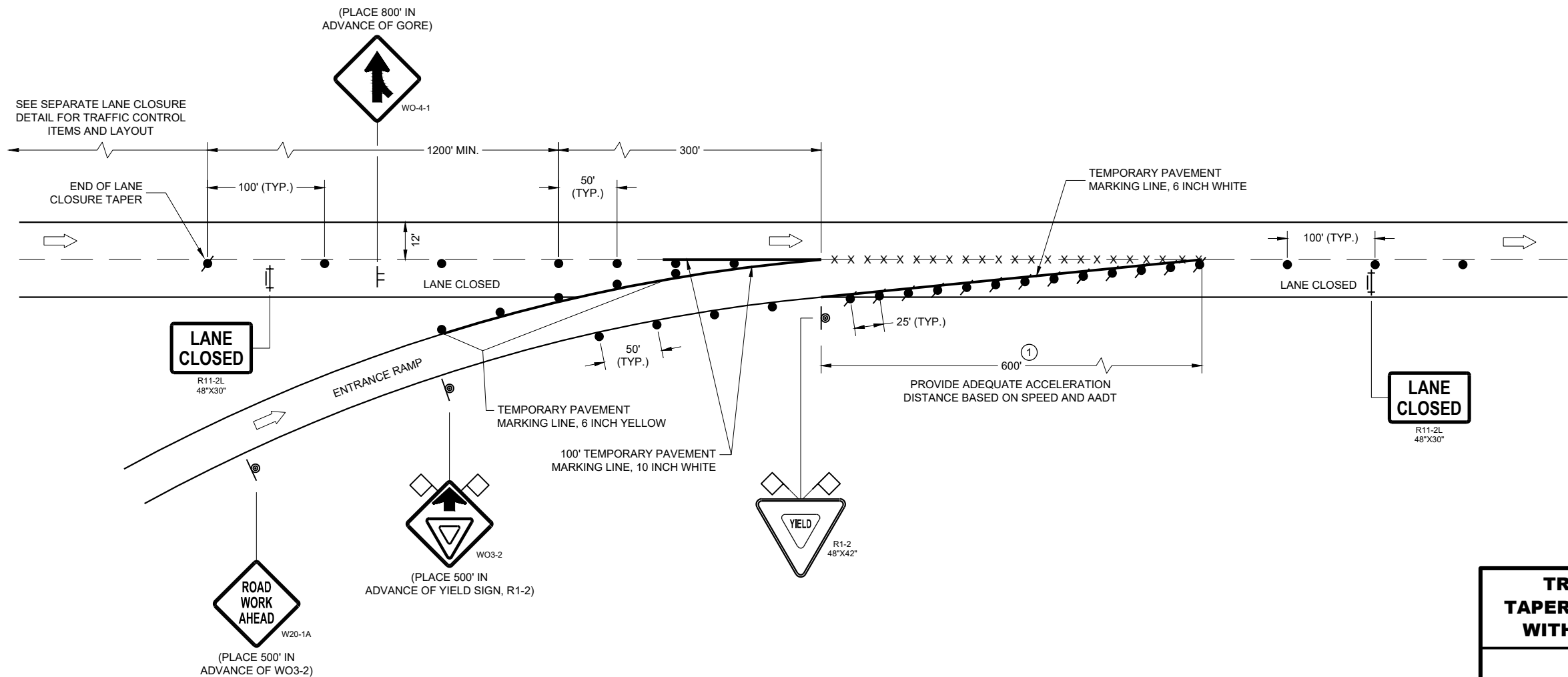
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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 LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

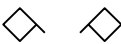
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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



TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2023 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.

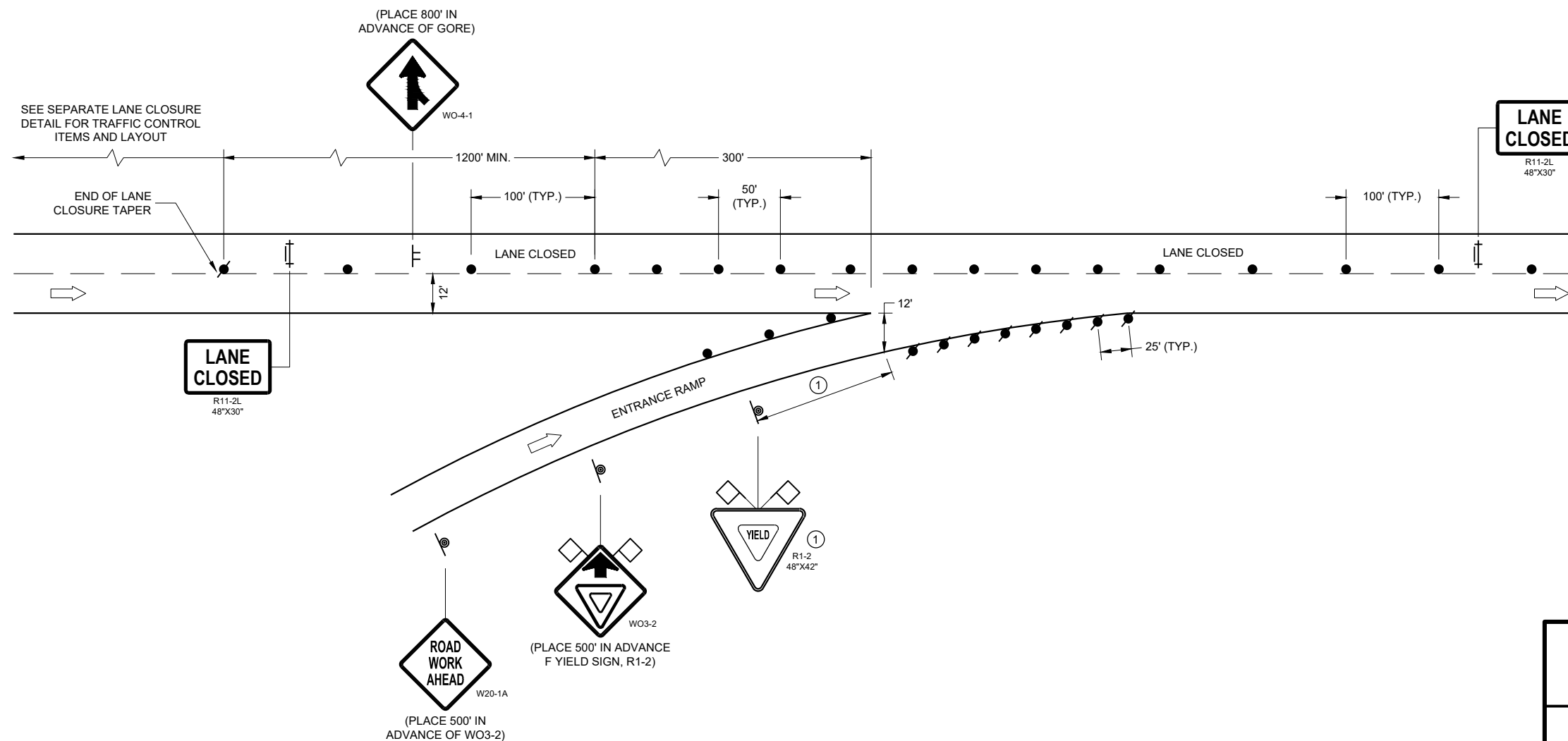
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

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.

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 2023
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
-  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.

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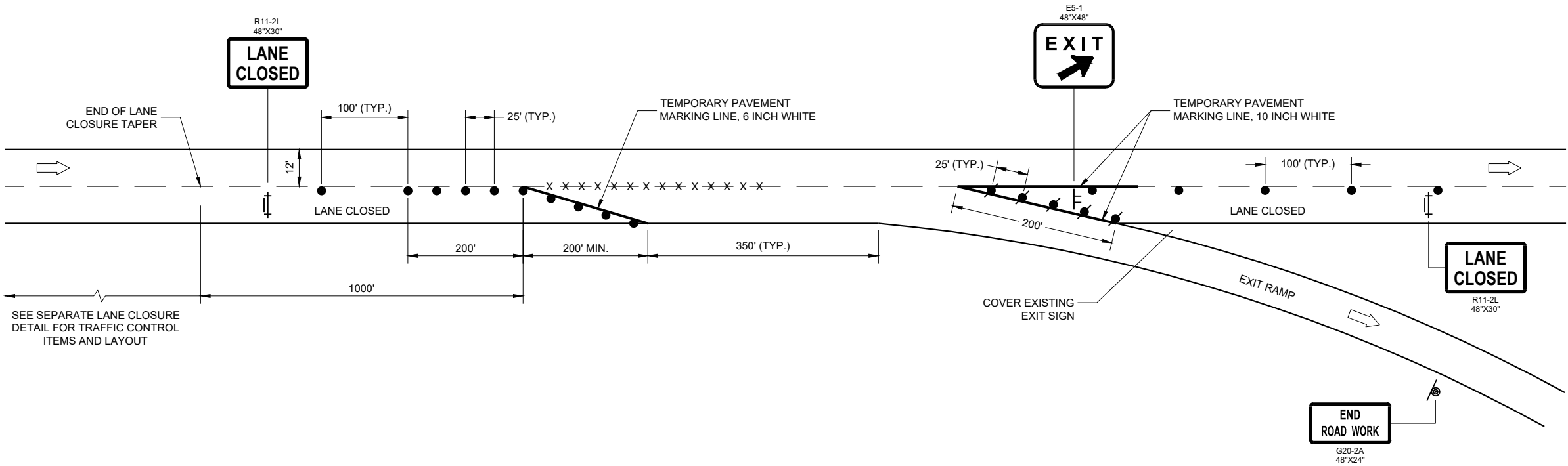
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

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

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



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
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.

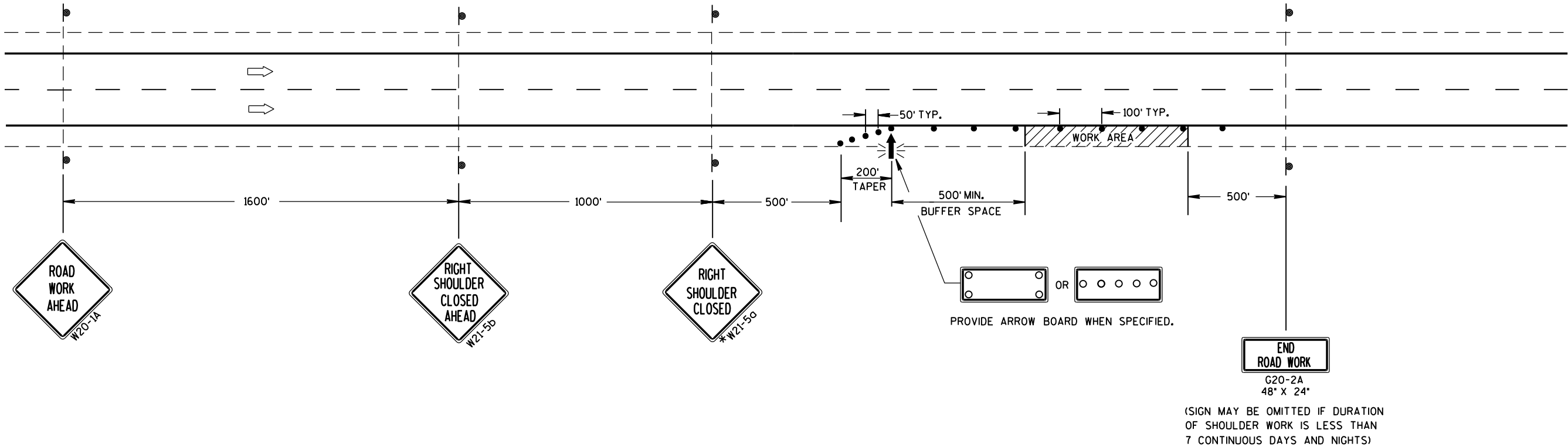
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

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

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

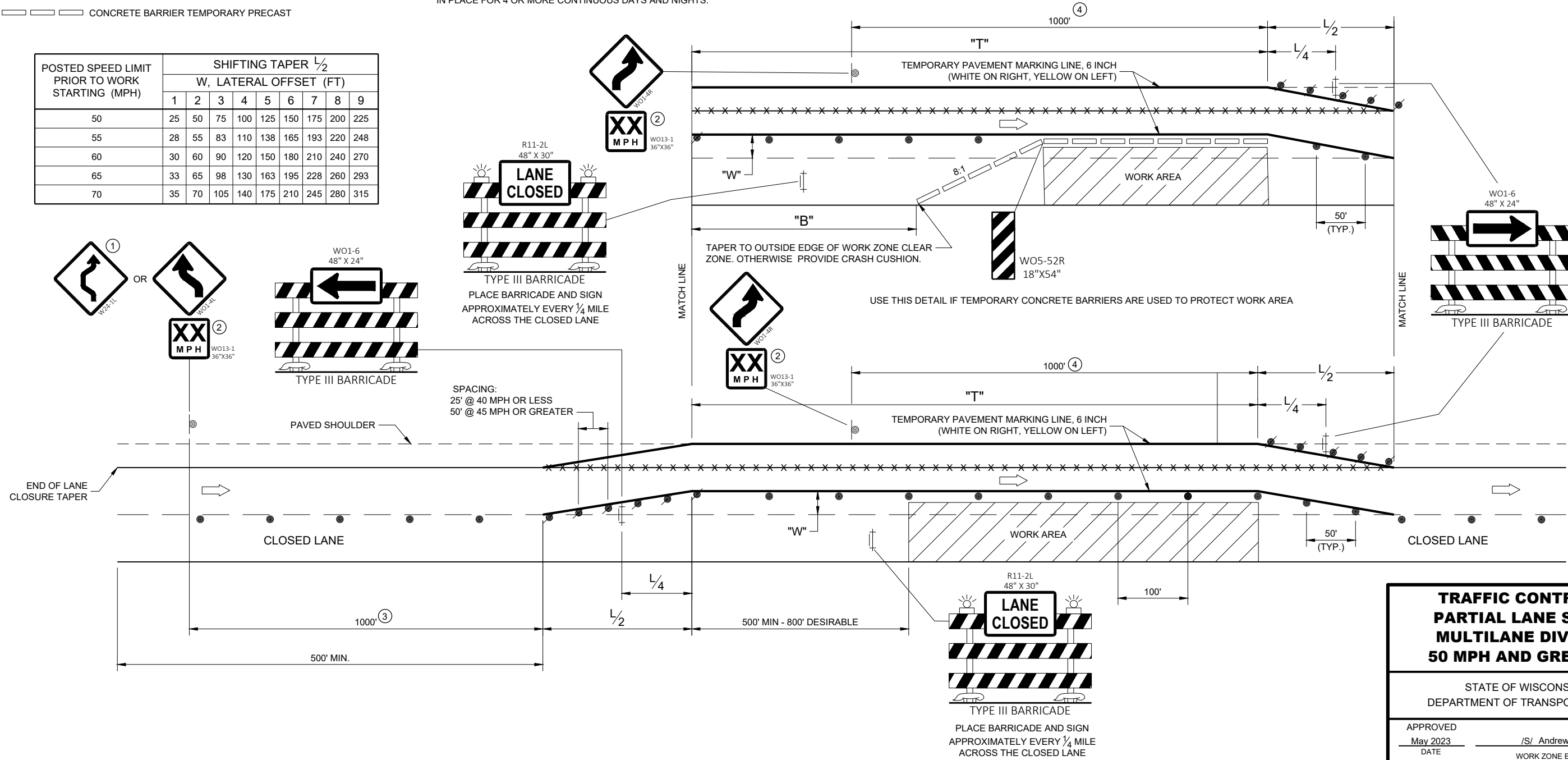
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

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

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT 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 1/2 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.

- USE ONLY WHEN T<600', OMIT WO1-4R.
- IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.
- IF THE BEGINNING OF LANE SHIFT TAPER IS 1200 FEET OR LESS FROM END OF LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE TAPER.
- IF THE BEGINNING OF THE SECOND LANE SHIFT TAPER IS 1200 FEET OR LESS FROM END OF THE FIRST LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE FIRST LANE CLOSURE TAPER.



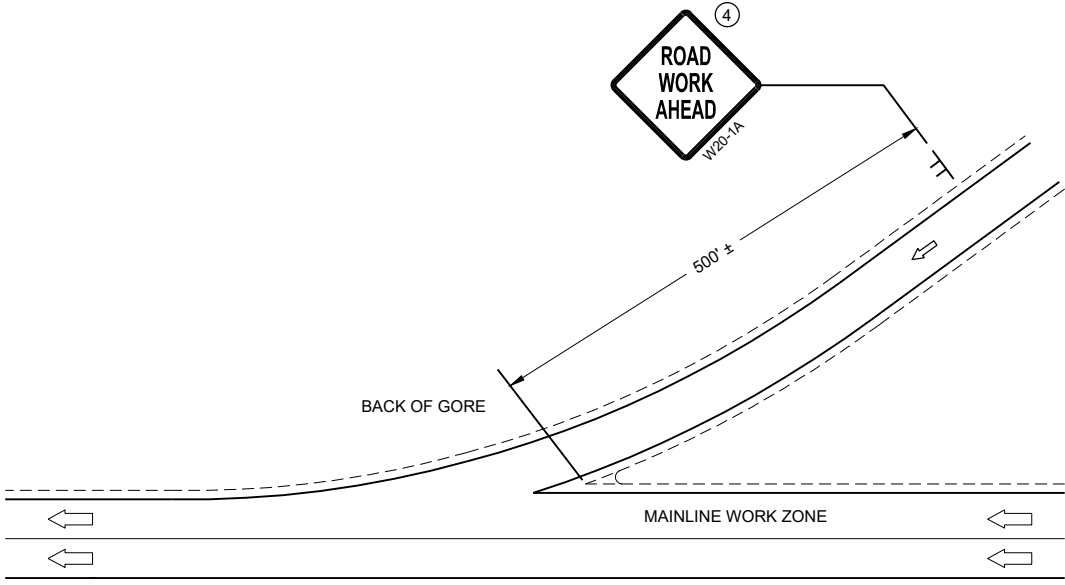
TRAFFIC CONTROL,
PARTIAL LANE SHIFT
MULTILANE DIVIDED
50 MPH AND GREATER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

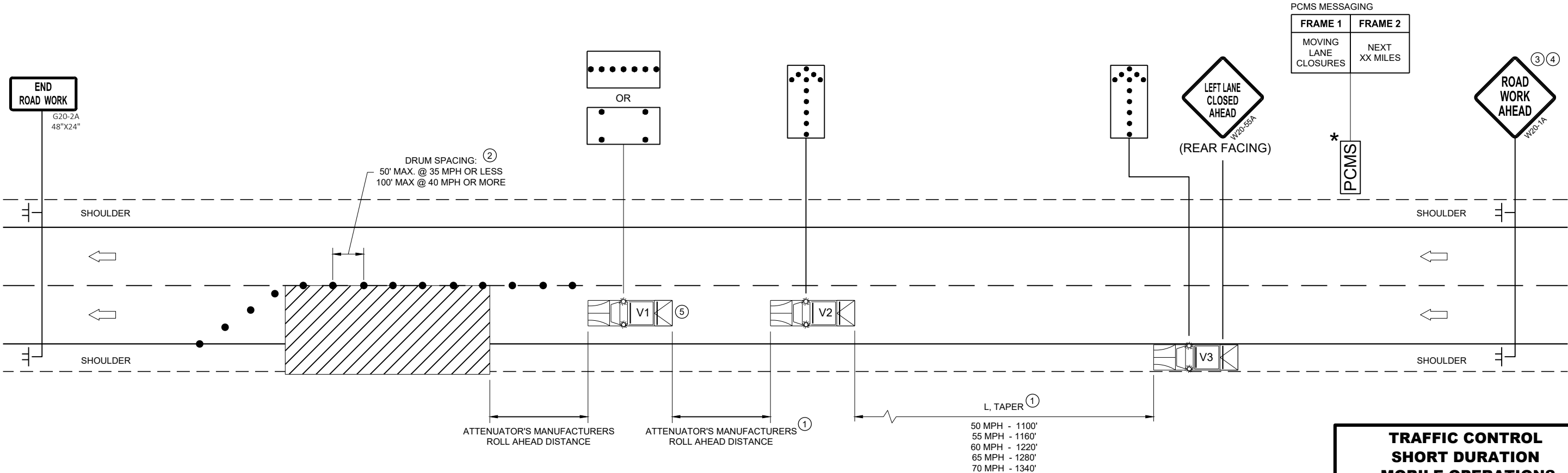
LEGEND

- V1 SHADOW VEHICLE 1
- V2 SHADOW VEHICLE 2
- V3 ADVANCE WARNING TRUCK
- TRAFFIC CONTROL DRUM
- ☐ TRUCK MOUNTED ATTENUATOR (TMA)
- ⊥ SIGN ON TEMPORARY SUPPORT
- ➡ DIRECTION OF TRAFFIC
- FLASHING ARROW PANEL (MERGE)
- FLASHING ARROW PANEL (CAUTION)
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- ▨ WORK AREA



GENERAL NOTES

- SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.
- MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.
- ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.
- ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.
- WHEN WORK ACTIVITY BLOCKS THE RIGHT LANE, REVERSE TRAFFIC CONTROL.
- WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.
- USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.
- WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC
- ① DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
 - ② DRUMS ARE TO BE USED FOR BRIDGE DECK SEALING AND OTHER PROJECTS THAT REQUIRE DELINEATION.
 - ③ WITHIN 5 MILES, RELOCATE SIGNS AS WORK PROGRESSES AND NECESSARY OR AS DIRECTED BY THE ENGINEER.
 - ④ SIGN NOT REQUIRED IF MOVING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
 - ⑤ SHADOW VEHICLE 1 (V1) IS OPTIONAL
- * PCMS OPTIONAL



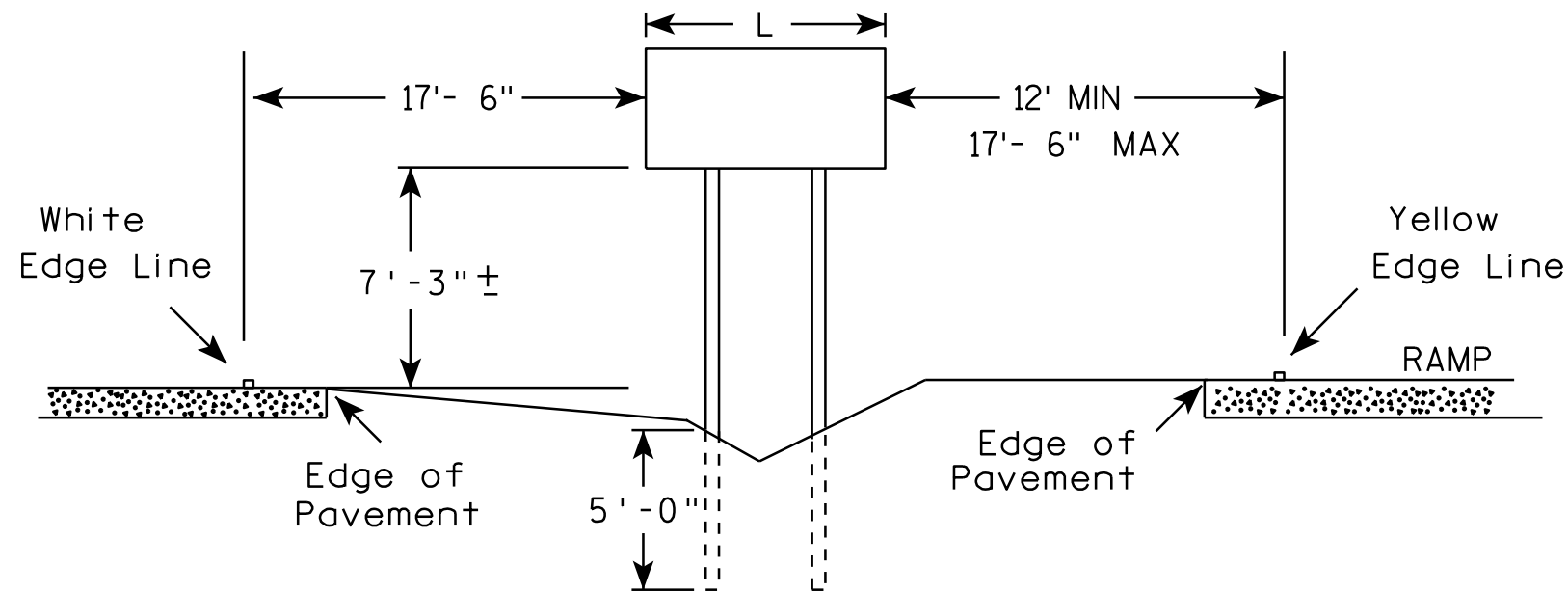
**TRAFFIC CONTROL
SHORT DURATION
MOBILE OPERATIONS**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2021
DATE

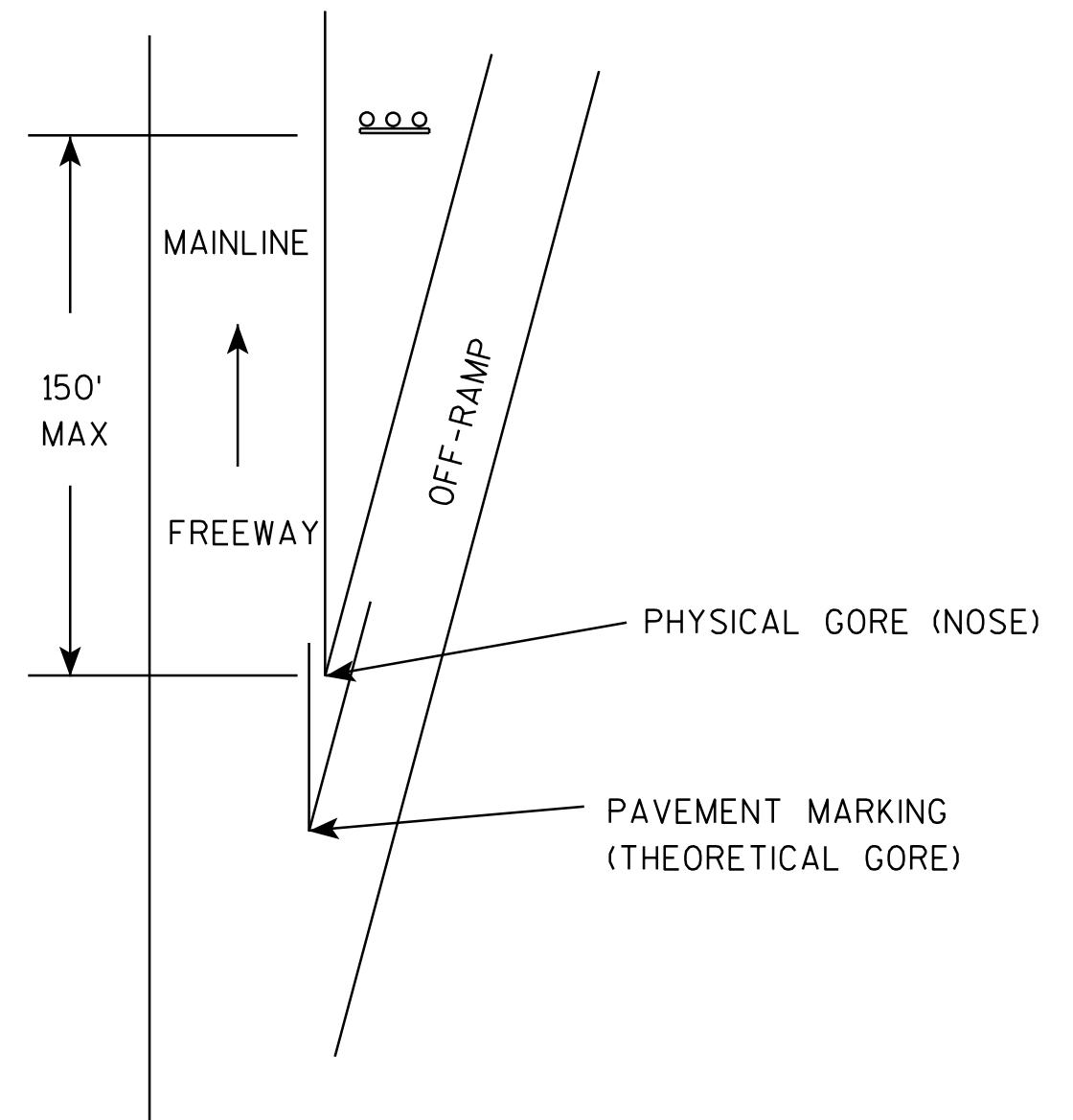
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA



GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The ($\pm$) tolerance for the mounting height is 3 inches.



TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

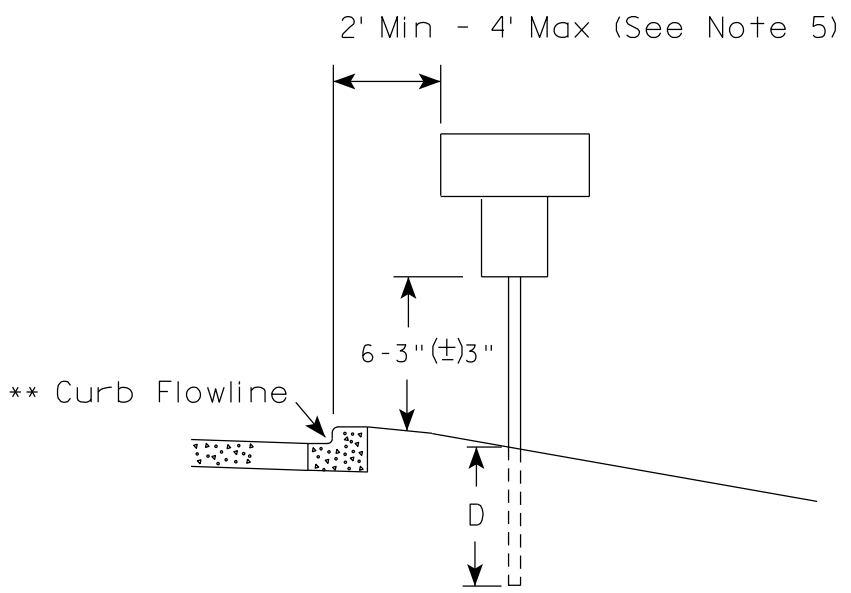
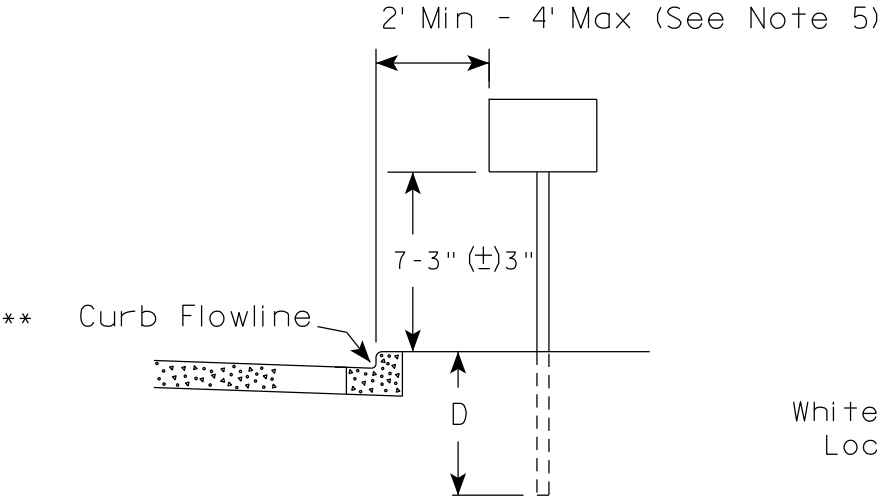
DATE 2/06/14 PLATE NO. A4-2.3

PROJECT NO:

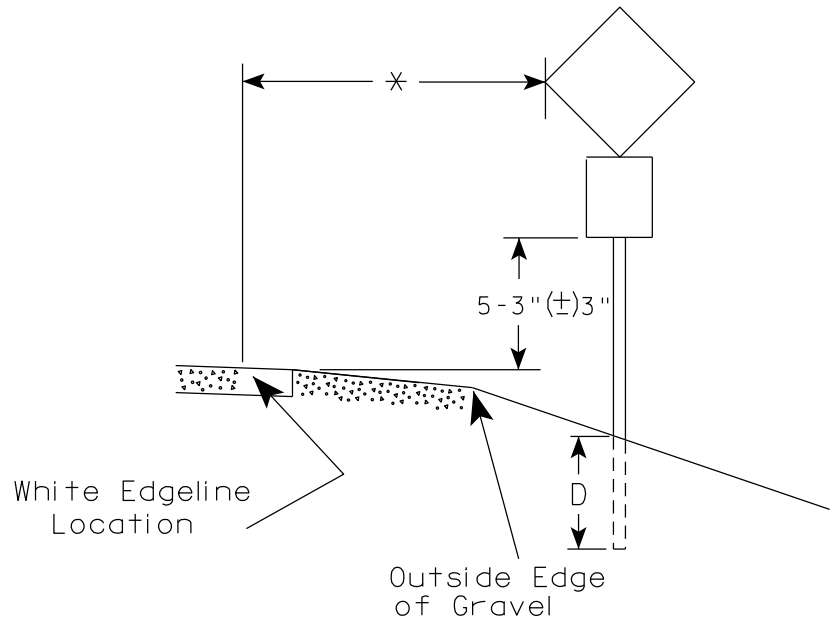
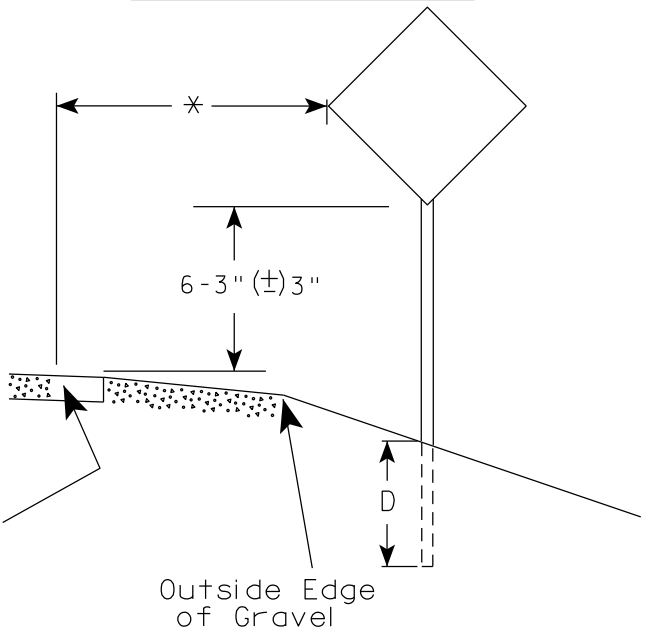
SHEET NO:

E

URBAN AREA



RURAL AREA (See Note 2)



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

POST EMBEDMENT DEPTH

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

* * 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.

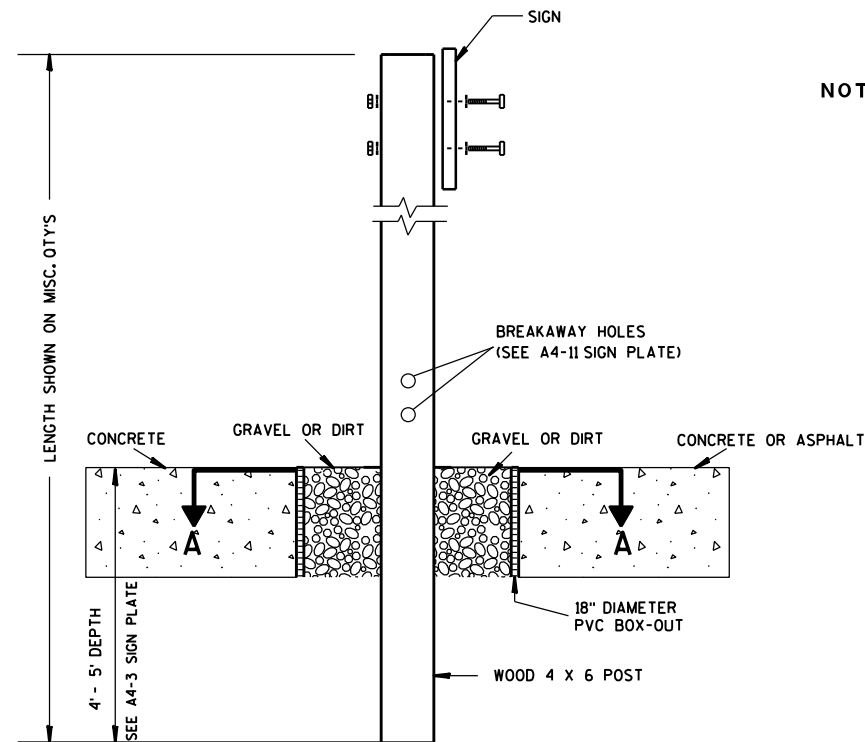
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

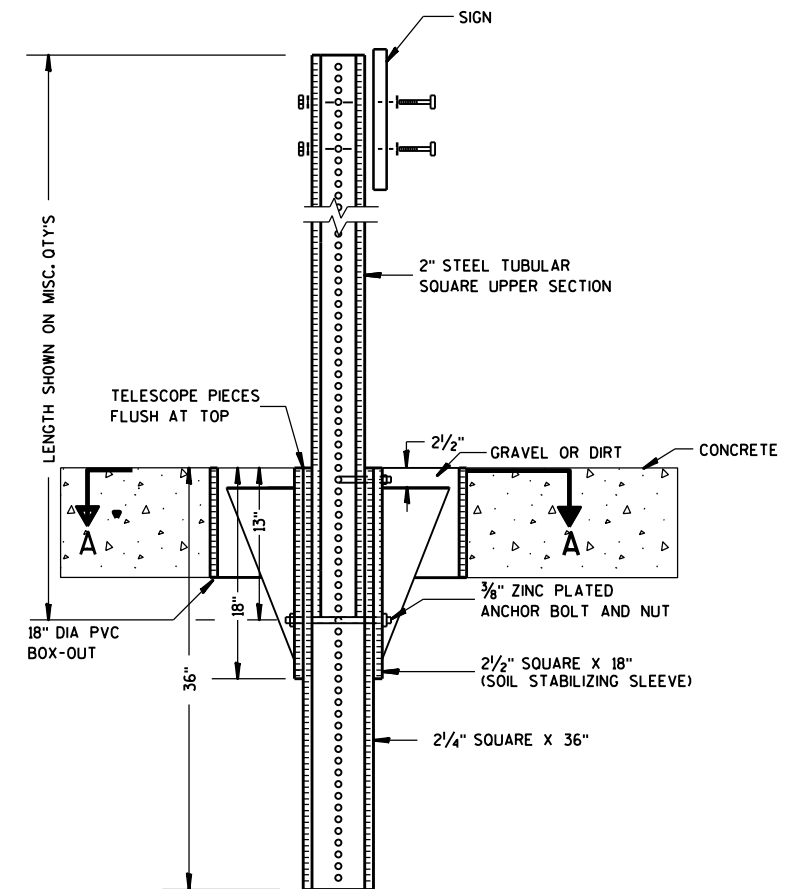
DATE 12/6/23 PLATE NO. A4-3.23



ELEVATION VIEW

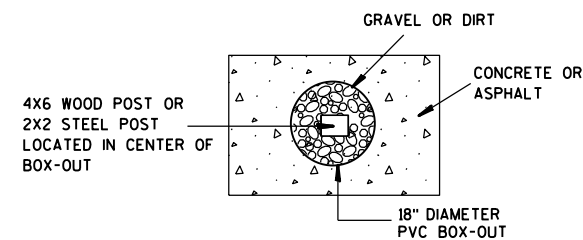
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- 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

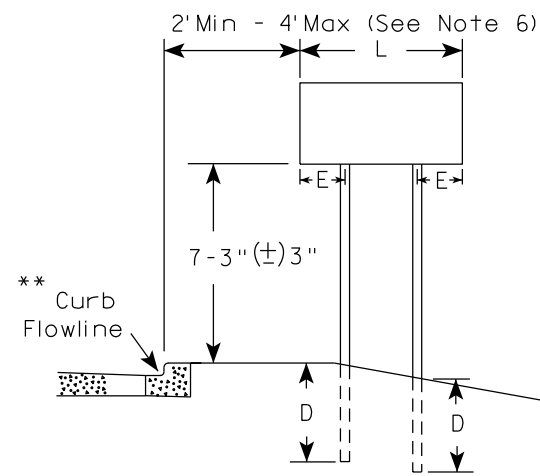
- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height 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" (±) 3" or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 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" (±) 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.

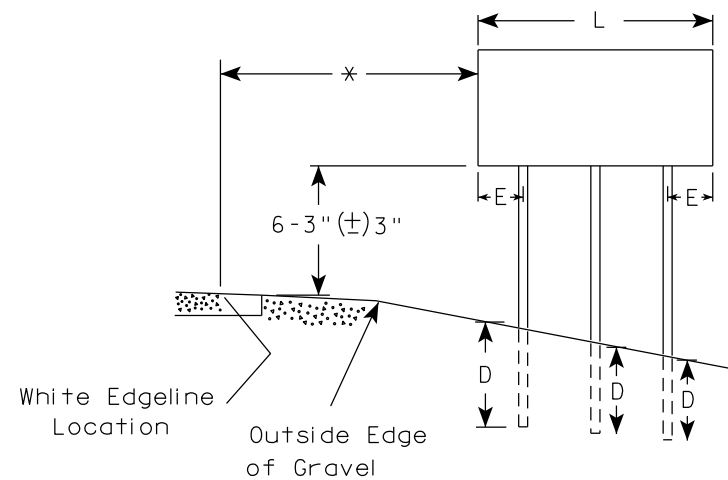
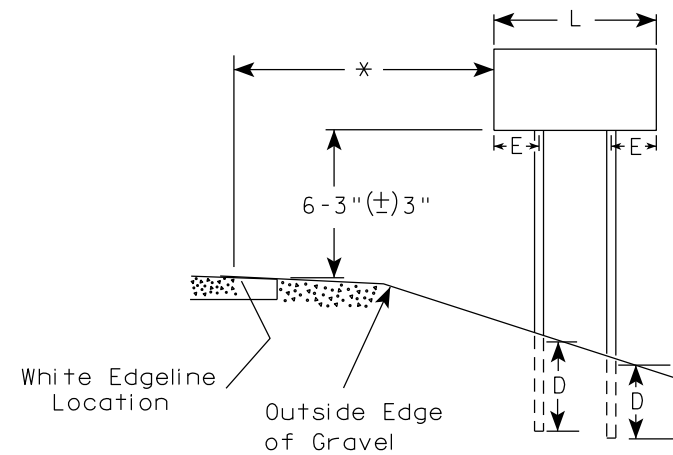
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs 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.

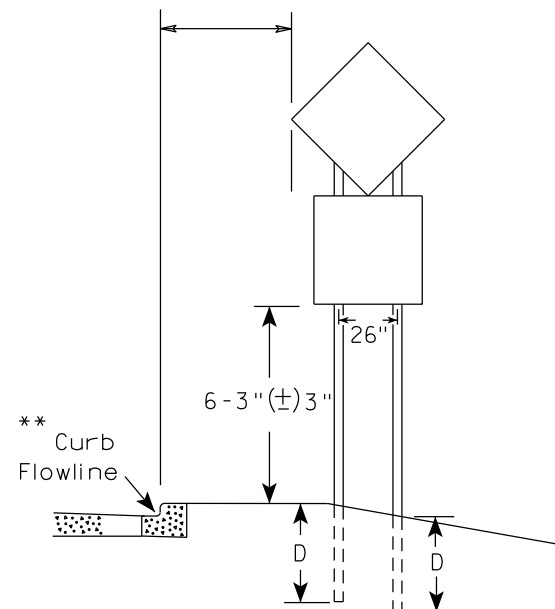
URBAN AREA



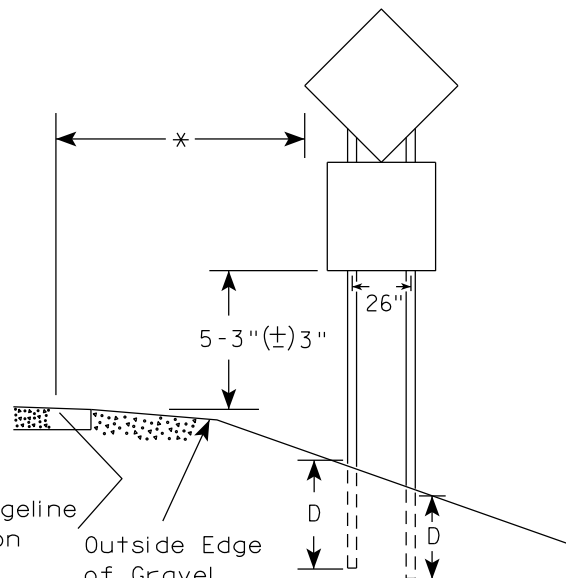
RURAL AREA (See Note 3)



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



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

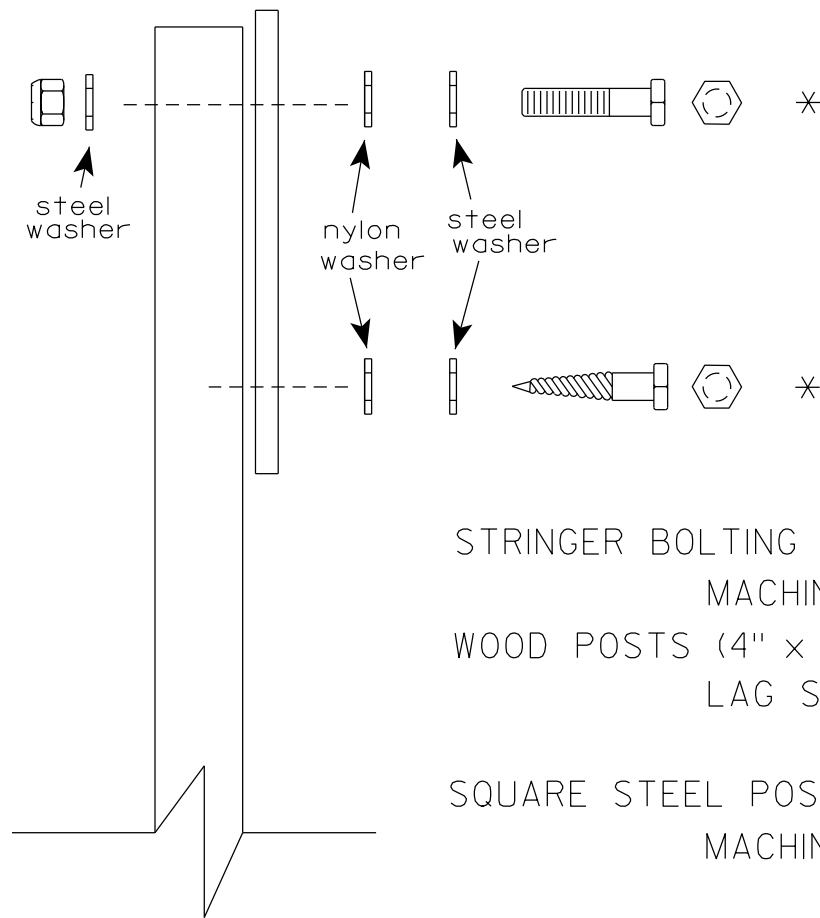
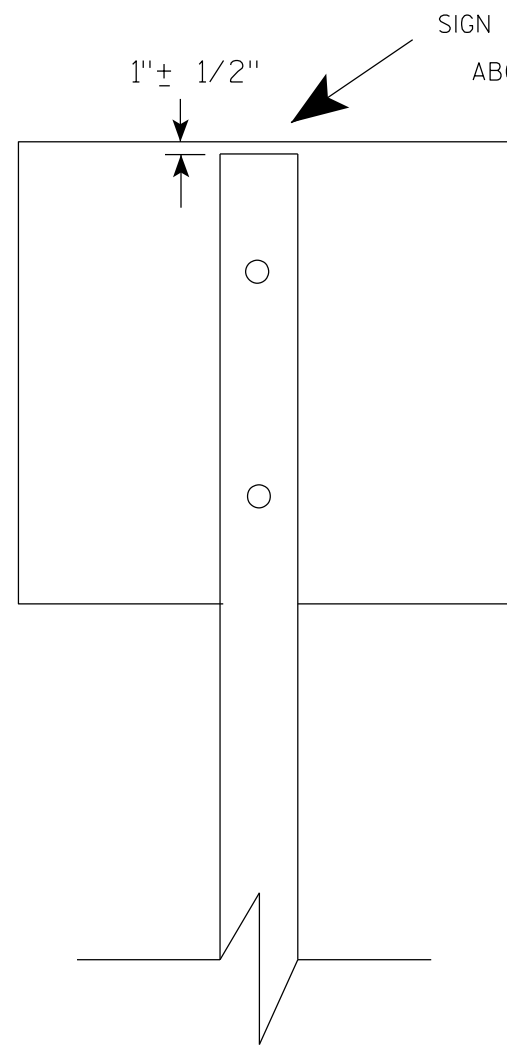
Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16



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.

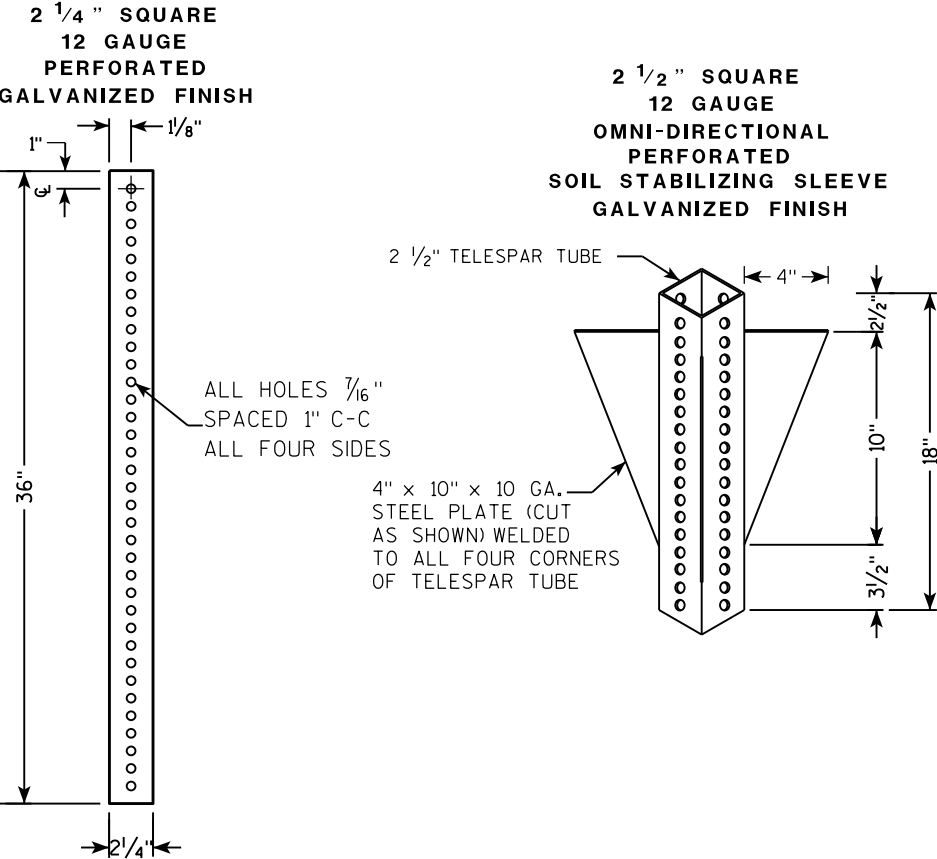
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- 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

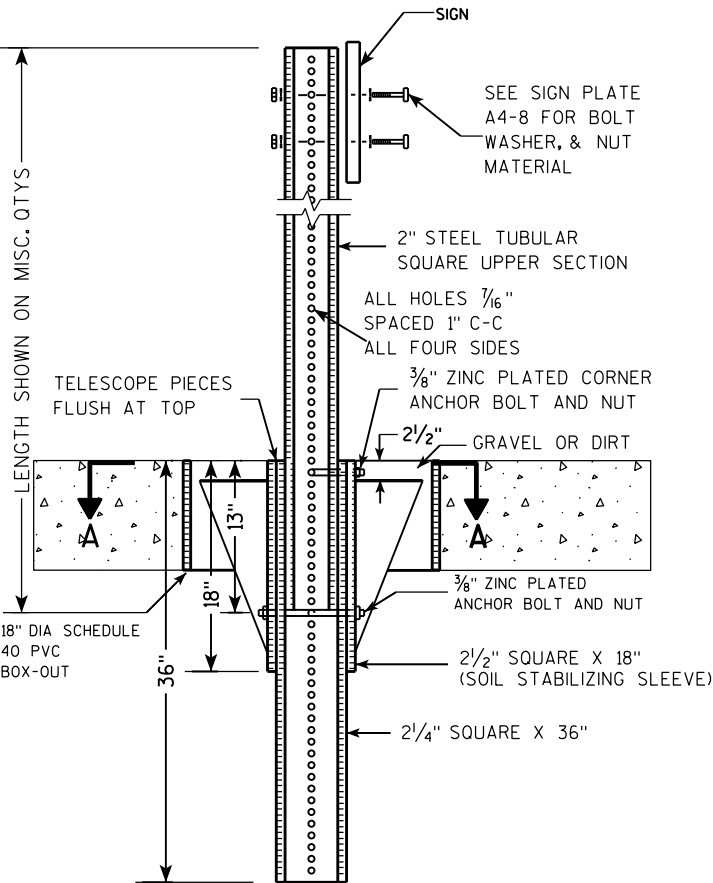
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require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

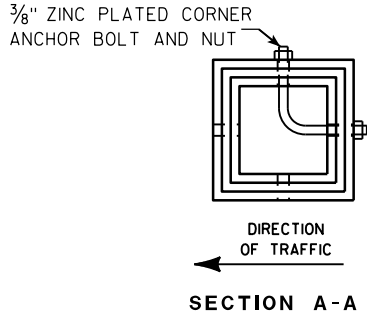
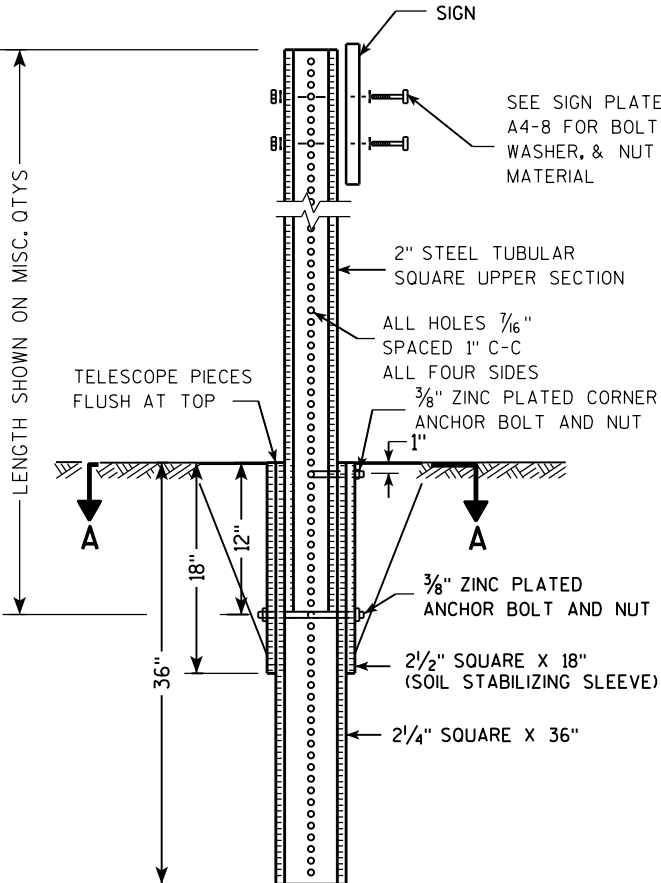
TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM



DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)



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).

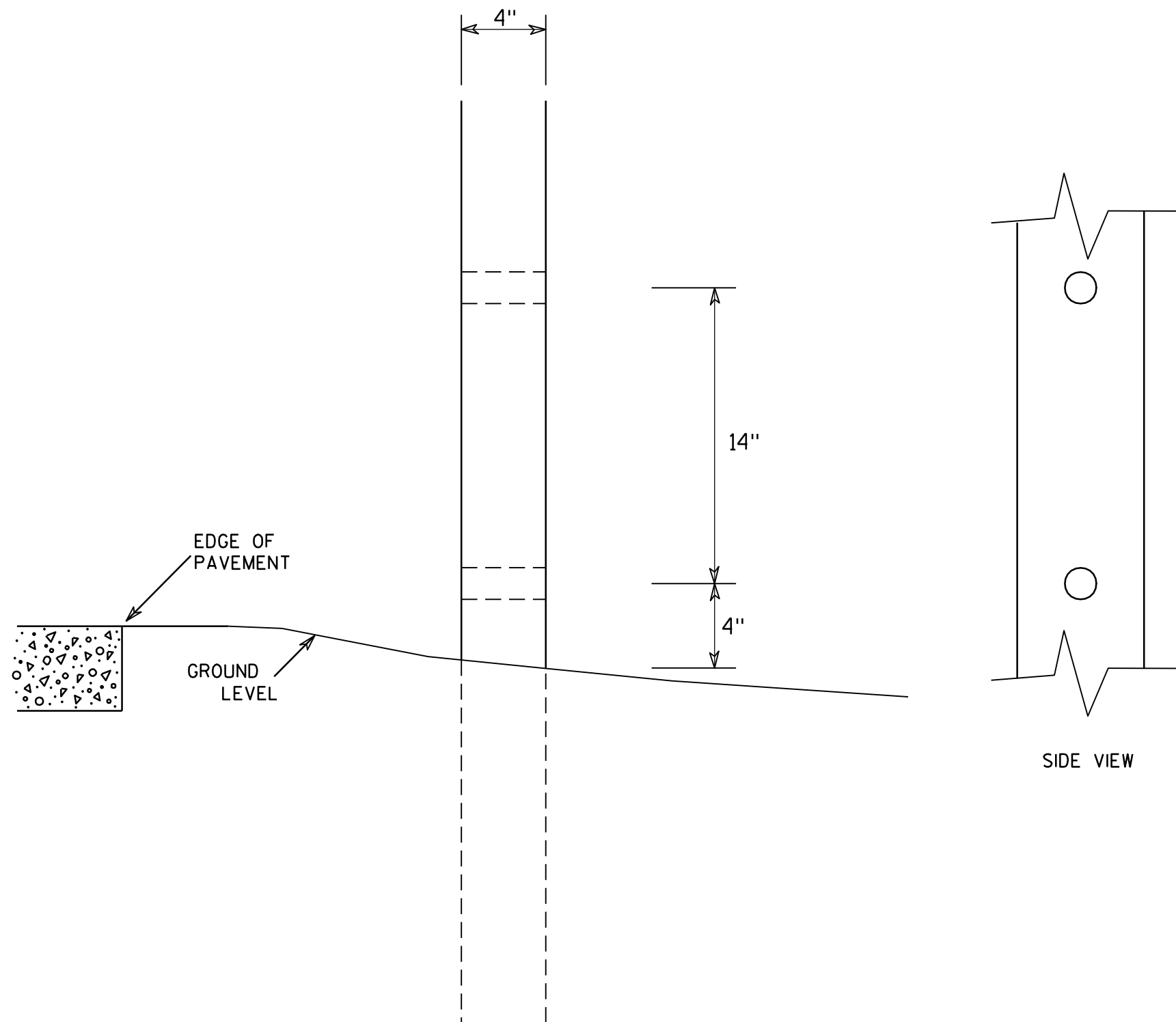
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

7

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

**4 X 6 WOOD POST
MODIFICATIONS**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

HWY:

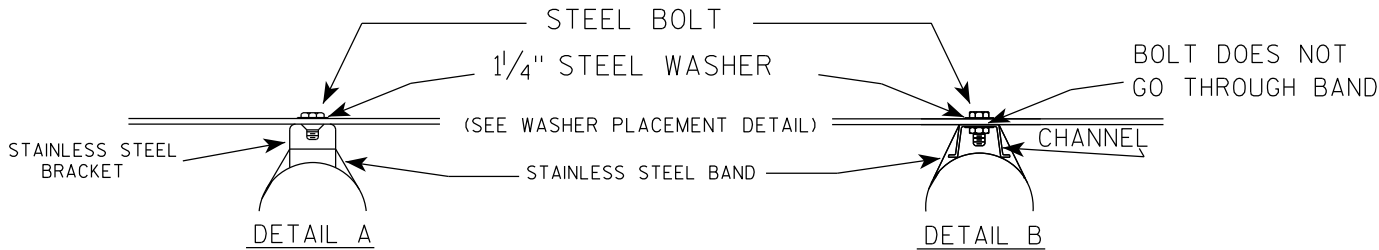
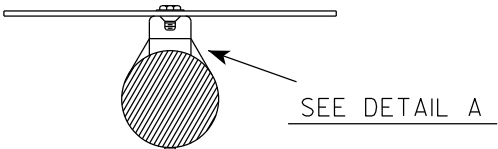
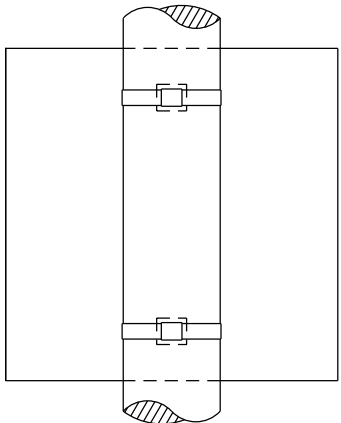
COUNTY:

SHEET NO:

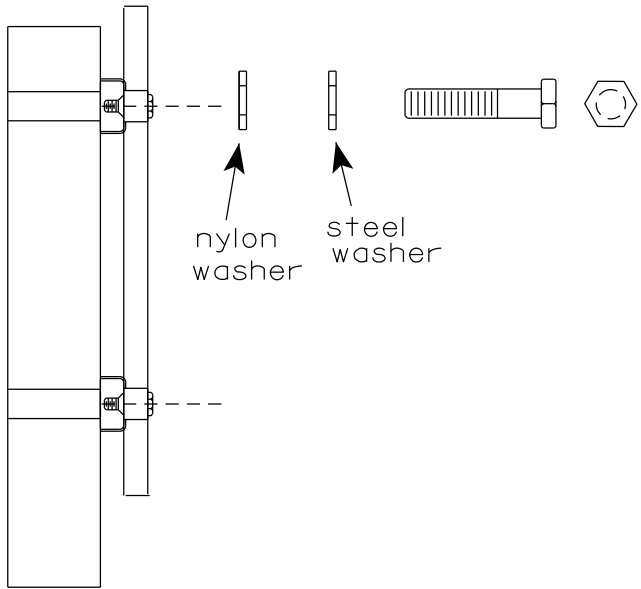
E

BANDING

SINGLE SIGN



WASHER PLACEMENT

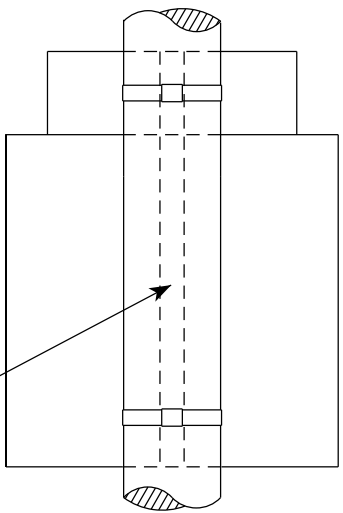


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY

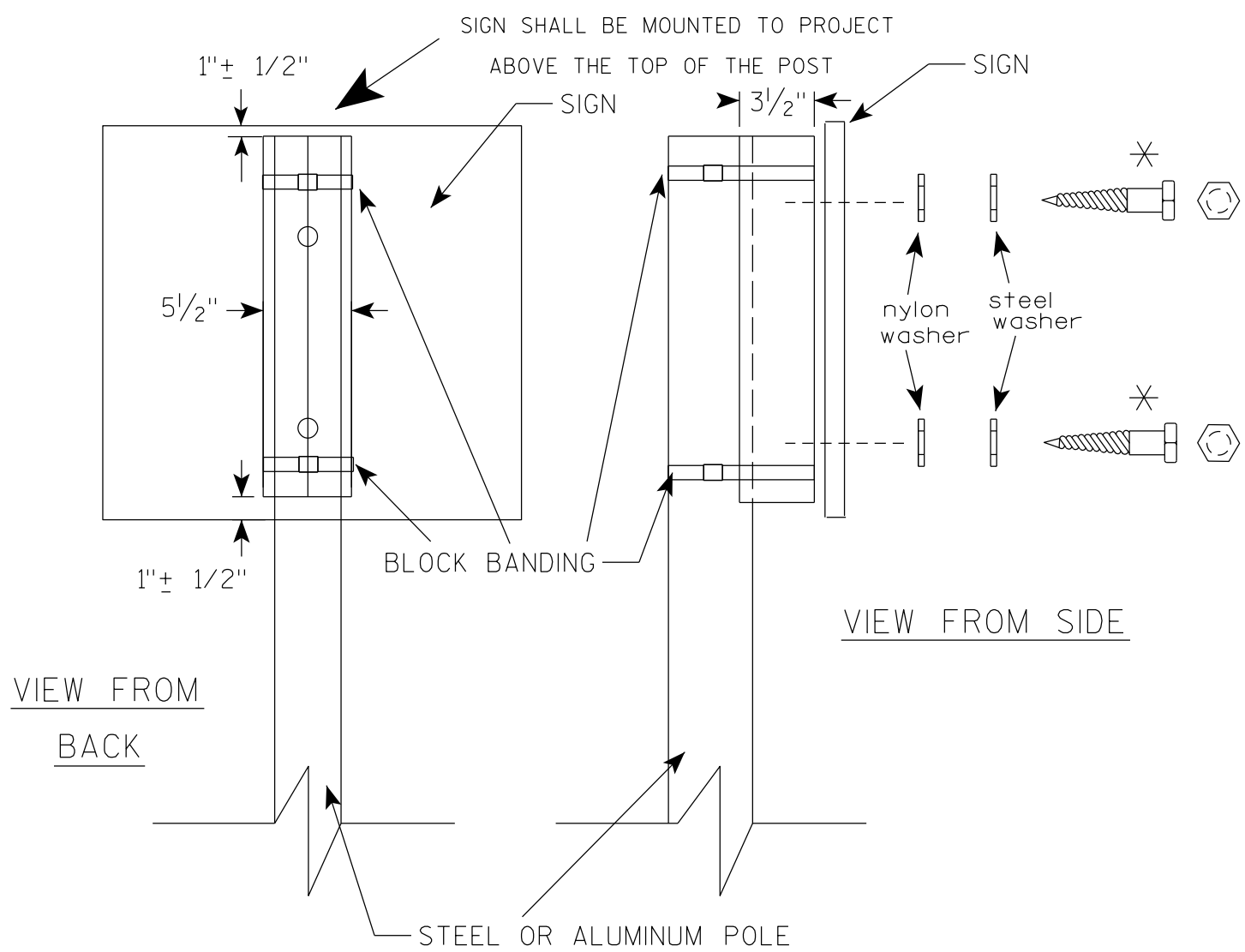


SEE DETAIL B

STANDARD SIGN
SIGN BANDING DETAILS

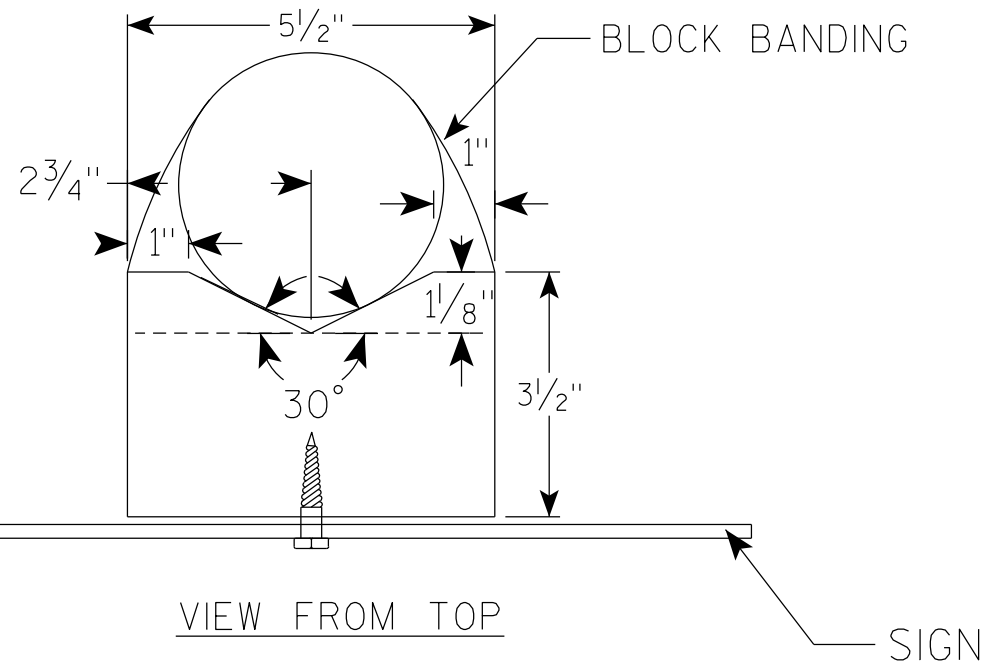
WISCONSIN DEPT OF TRANSPORTATION

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 $\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ "
8. NYLON WASHERS SHALL BE $\frac{1}{4}$ " 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 4/19/2022 PLATE NO. A5-10.3

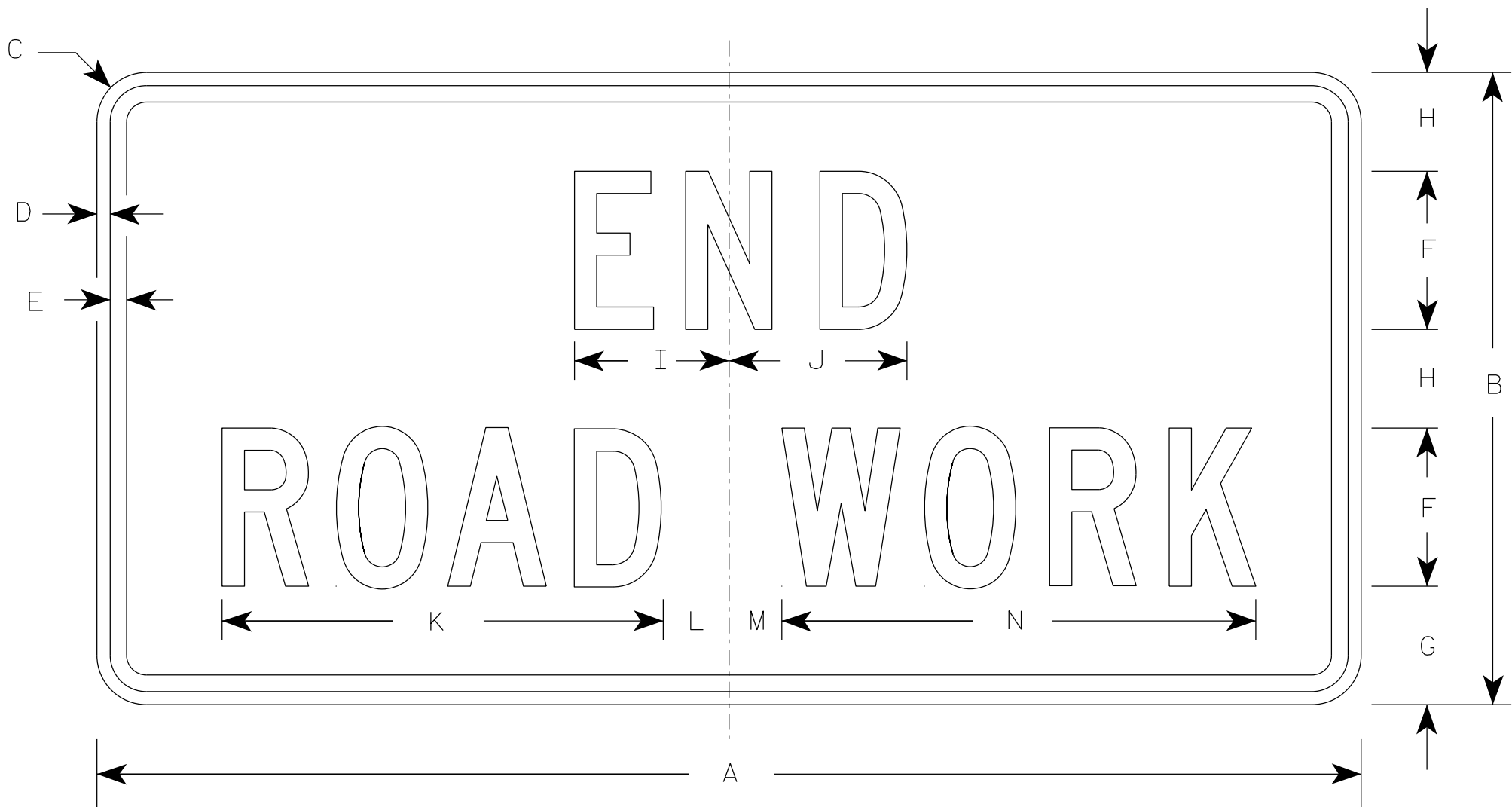
PROJECT NO:

SHEET NO:

E

NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
Background - Orange
Message - Black
- 3. Message Series - C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



G20-2A

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	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

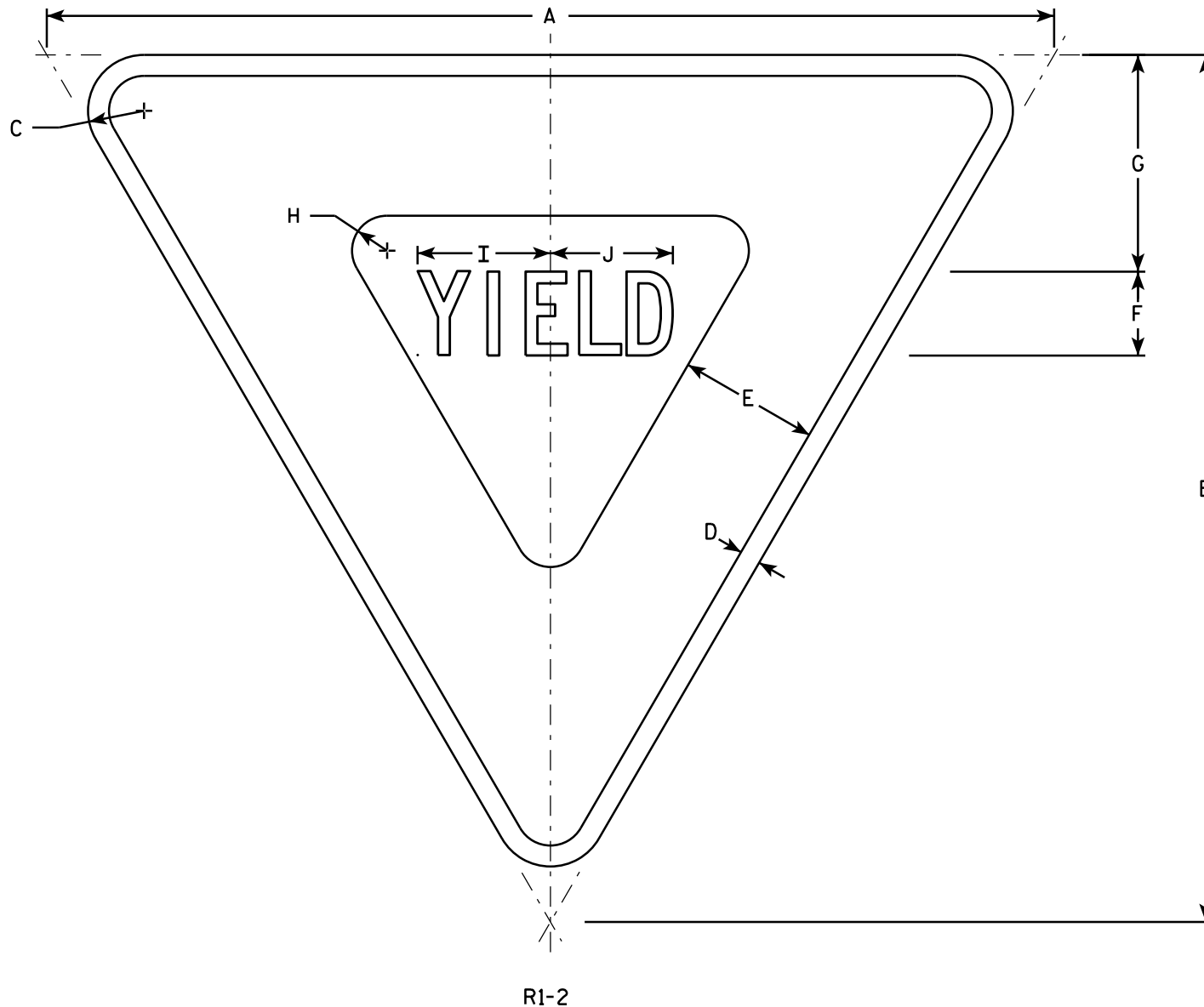
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



NOTES

- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - White
Message - See note 5
- 3. Message Series - C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. The border strip and word message are reflectorized red.

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	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

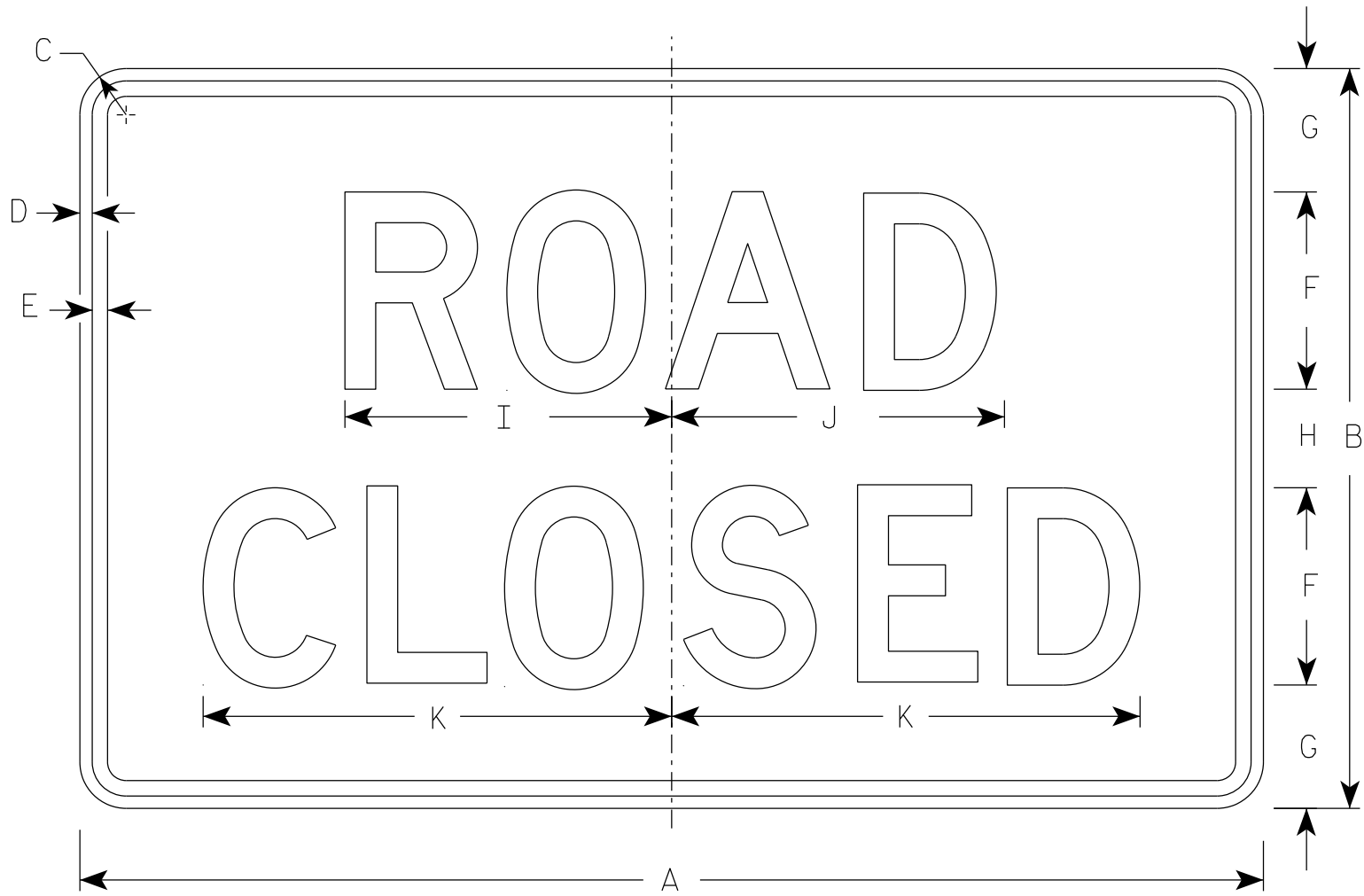
STANDARD SIGN

R1-2

WISCONSIN DEPT OF TRANSPORTATION

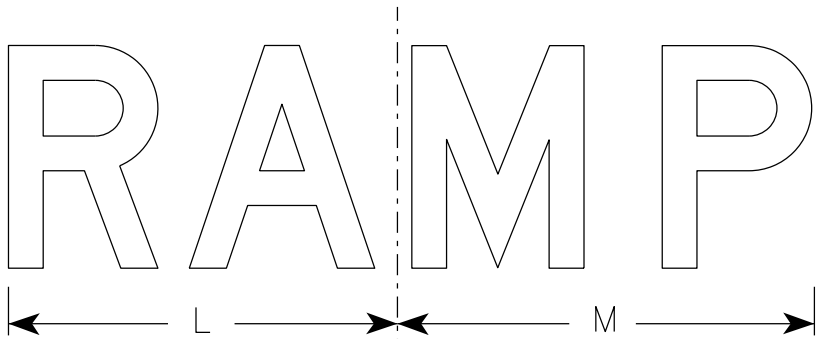
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 10/13/14 PLATE NO. R1-2.12

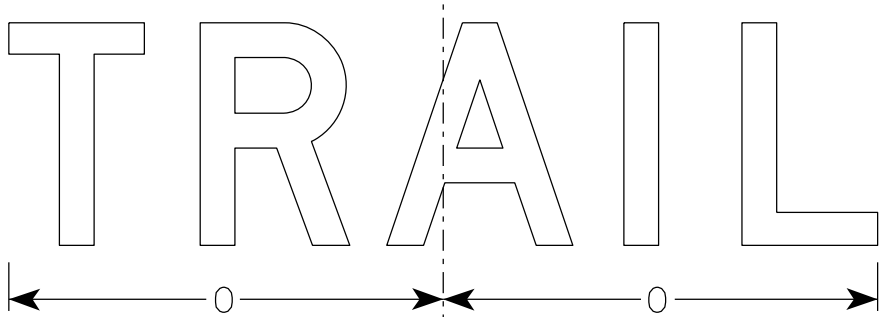


R11-2

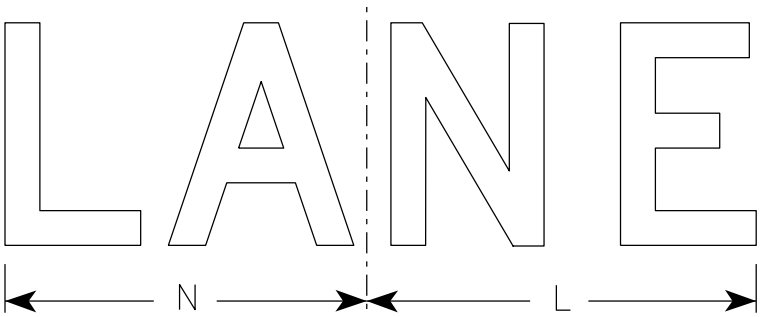
- NOTES
1. Sign is Type II - Type H Reflective
 2. Color:
Background - White
Message - Black
 3. Message Series - D
 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
 5. Modify the message as required.



R11-2R



R11-2T

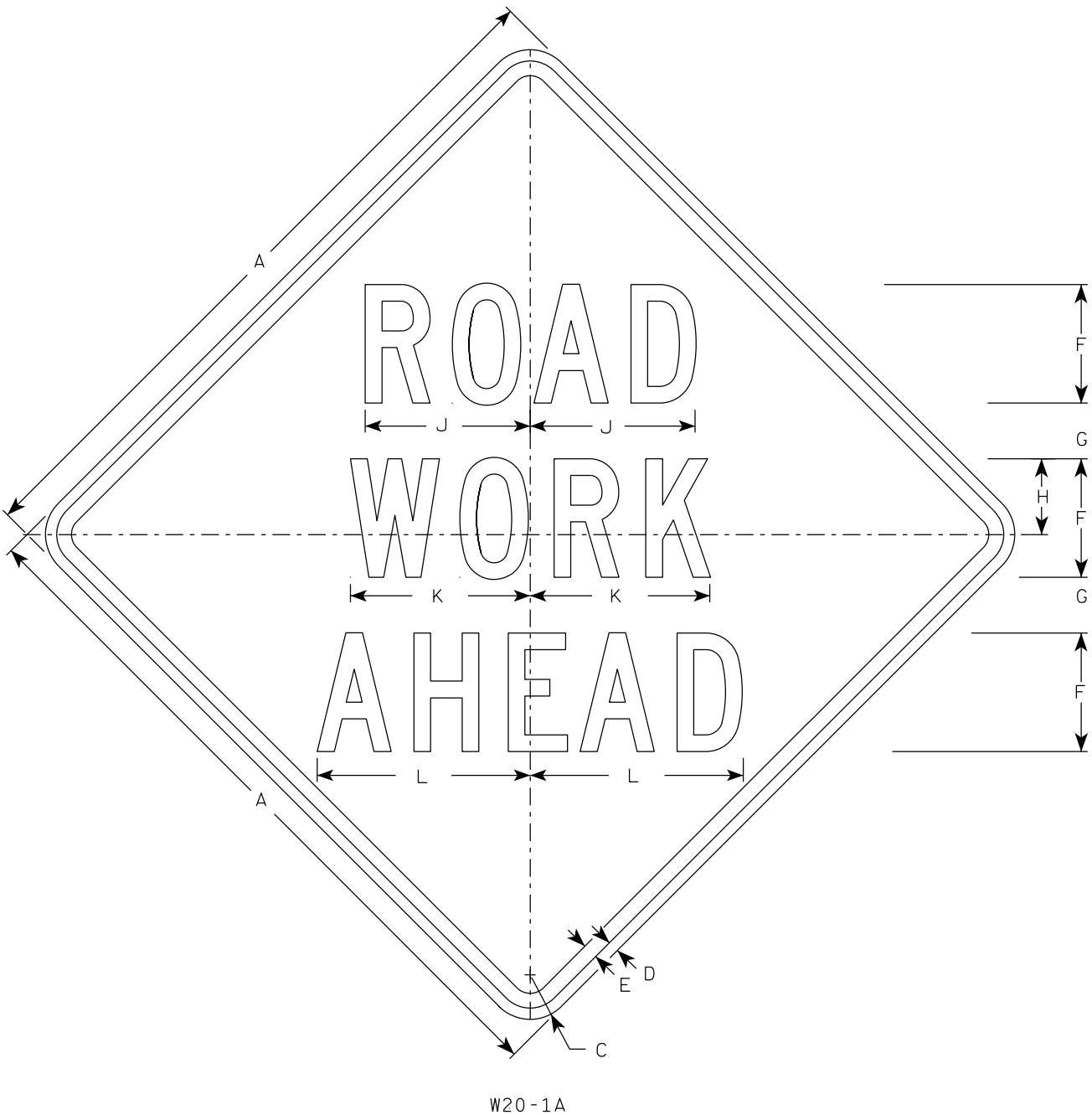


R11-2L

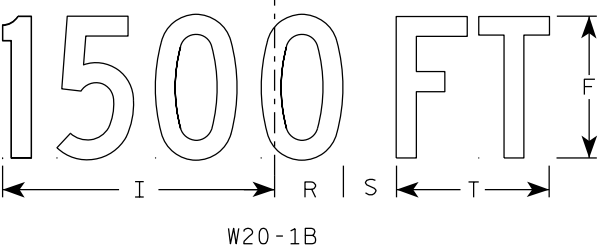
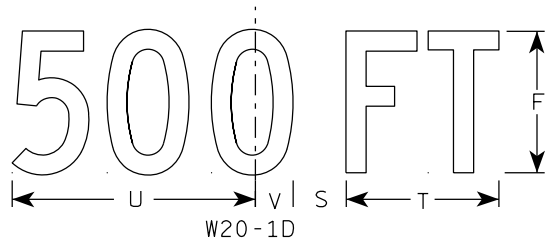
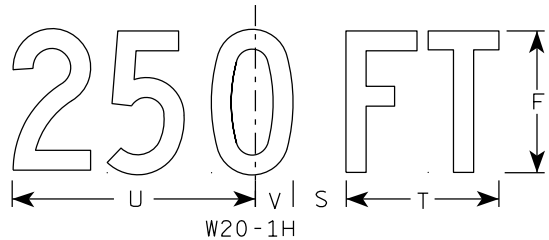
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN R11-2	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 2/5/24	PLATE NO. R11-2.12

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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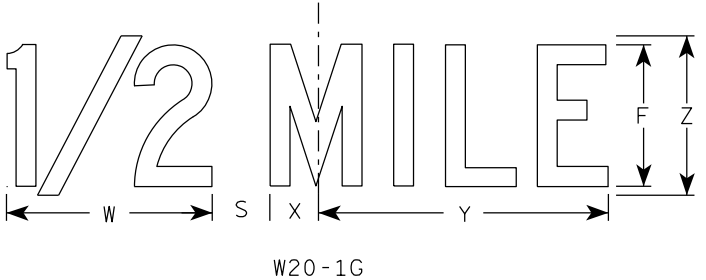


W20-1A

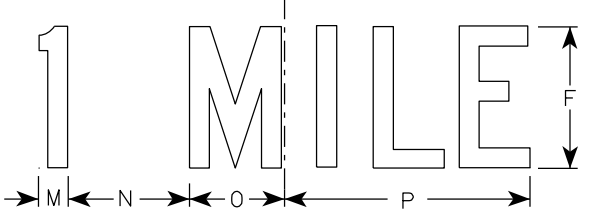


W20-1B

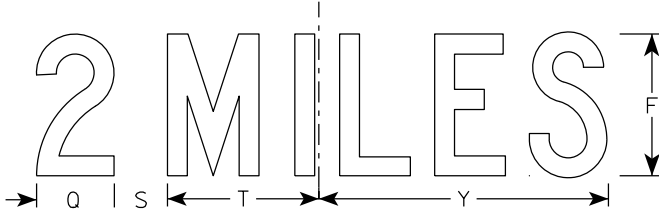
- NOTES
1. Sign is Type II - Type F Reflective
 2. Color:
Background - Orange
Message - Black
 3. Message Series - C
 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

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	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

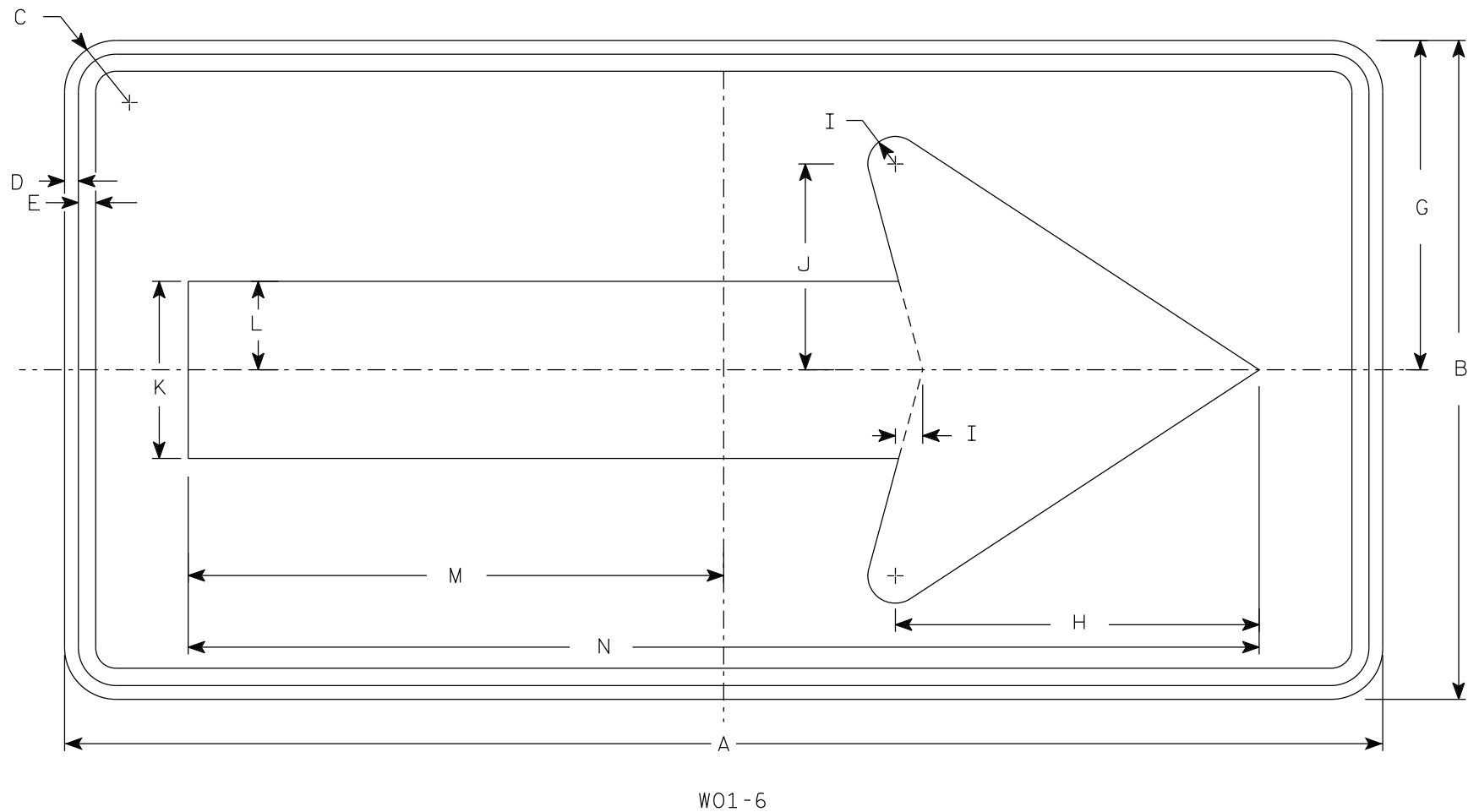
STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-1.12

7



NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
 - Background - Orange
 - Message - Black
- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

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																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN

W01-6

WISCONSIN DEPT OF TRANSPORTATION

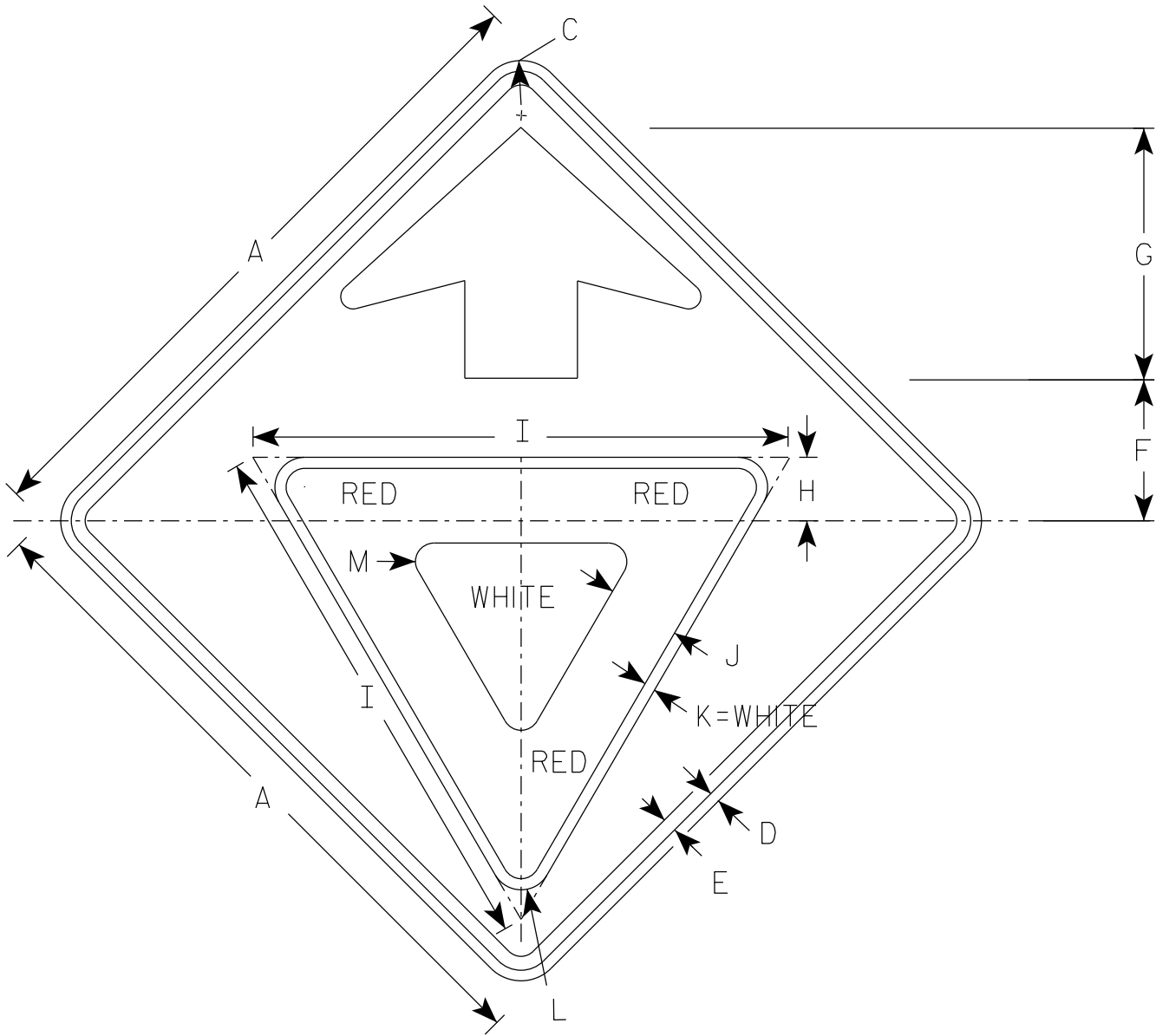
APPROVED

Matthew R. Rauch

for State Traffic Engineer

DATE 1/24/2024

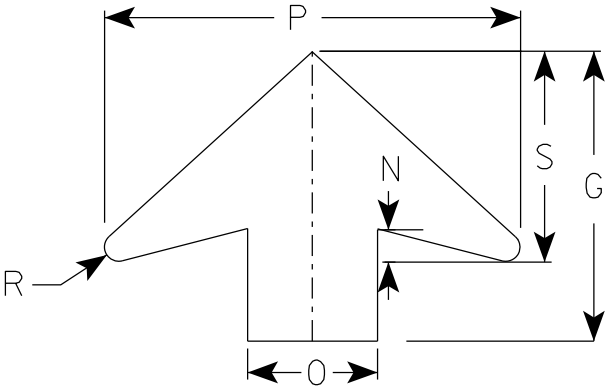
PLATE NO. W01-6.2



W03-2

NOTES

- 1. All Signs Type II - Type F Reflective
- 2. Color:
 - Background - ORANGE
 - Arrow & Border - BLACK
 - Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

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	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2S	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
2M	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
3	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
4	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

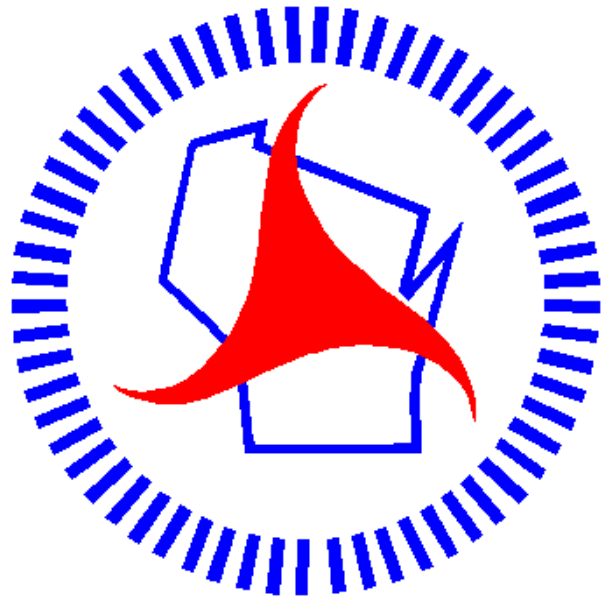
STANDARD SIGN
W03-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-2.2

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

<http://www.dot.wisconsin.gov>