

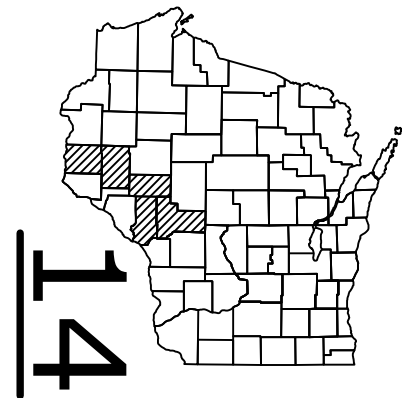
EAU
PROJECT ID: 1020-00-79
WITH: N/A
COUNTY: JACKSON, EAU CLAIRE

APRIL 2021

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.	9	Cross Sections

TOTAL SHEETS = 44



DESIGN DESIGNATION

A.A.D.T.	2019	=	37000
A.A.D.T.		=	
D.H.V.		=	
D.D.		=	
T.		=	
DESIGN SPEED		=	
ESALS		=	

CONVENTIONAL SYMBOLS

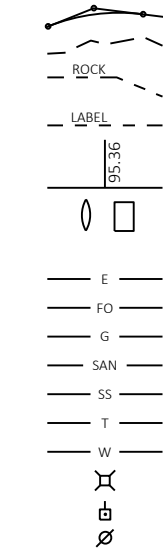
PLAN

CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (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	

BEGIN PROJECT



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

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

1020-00-79

STATE PROJECT

FEDERAL PROJECT

PROJECT

CONTRACT

1020-00-79

END PROJECT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	N/A
Designer	GREG PESOLA
Project Manager	PHIL KEPPERS
Regional Examiner	JENNIFER OLDENBURG
Regional Supervisor	JEFFREY OLSON

APPROVED FOR THE DEPARTMENT
DATE: 12/18/2020
Philip L. Keppers
(Signature)

E

GENERAL NOTES

- 1) THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
- 2) IH-94 SHALL BE KEPT OPEN TO A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES.
- 3) THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

DIGGERSHOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com

AREA CONTACTS

WISDOT NW REGION CONTACTS

JESSE LARSON
718 W. CLAIREMONT AVE
EAU CLAIRE, WI 54701
(715) 491-1470
JESSE.LARSON@DOT.WI.GOV

WISDOT NW REGION COUNTY CONTACTS

ST. CROIX & DUNN COUNTIES
MIKE BURKE
(715) 577-5395
MICHAEL.BURKE@DOT.WI.GOV

EAU CLAIRE COUNTY
CHRIS MICHELS
(715) 225-9318
CHRIS.MICHELS@DOT.WI.GOV

JACKSON COUNTY
ROSS KRAUSE
(715) 577-9544
ROSS.KRAUSE@DOT.WI.GOV

TREMPEALEAU County
BRENDA MCNALLAN
(715) 577-3540
BRENDA.MCNALLAN@DOT.WI.GOV

WI DNR CONTACT

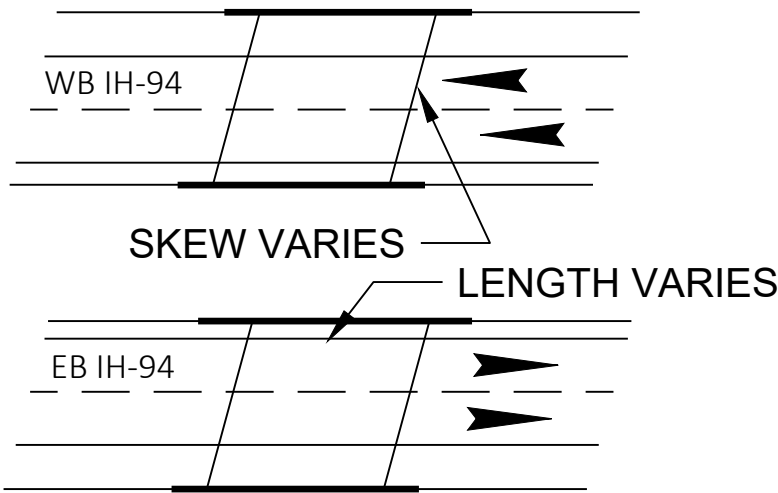
LEAH NICOL
DNR NORTHERN REGION HQ
1300 WEST CLAIREMONT STREET
EAU CLAIRE, WI 54701
(715) 934-9014
LEAH.NICHOL@WISCONSIN.GOV

NW REGION MAINTENANCE SUPERVISOR

JEFF KERN
(715) 579-0794
JEFFREY.KERN@DOT.WI.GOV

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

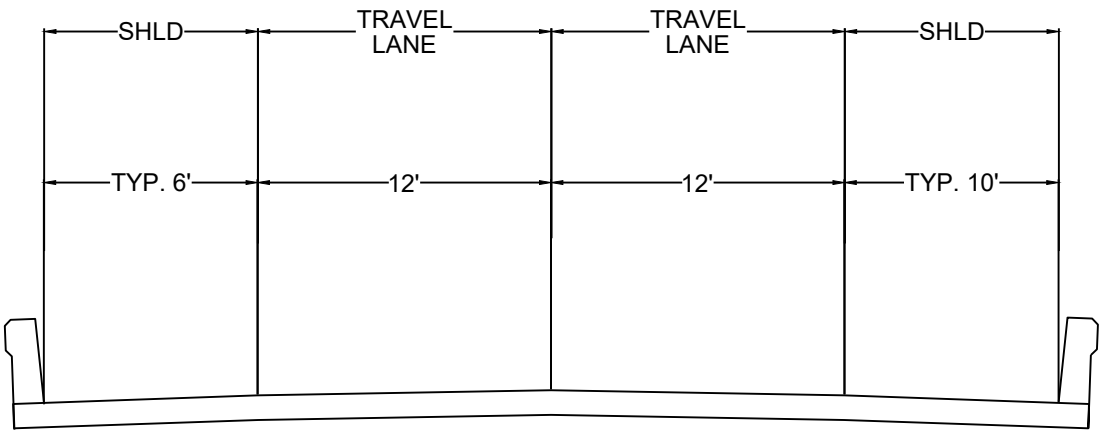
PIER COLUMN NOTES

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

- TYP. 10' SHLDR
- TYP. 12' LANE
- TYP. 12' LANE
- TYP. VARIES (6' TYP)
- TYP. 60' MEDIAN
- TYP. VARIES (6' TYP)
- TYP. 12' LANE
- TYP. 12' LANE
- TYP. 10' SHLDR

PARAPET NOTES

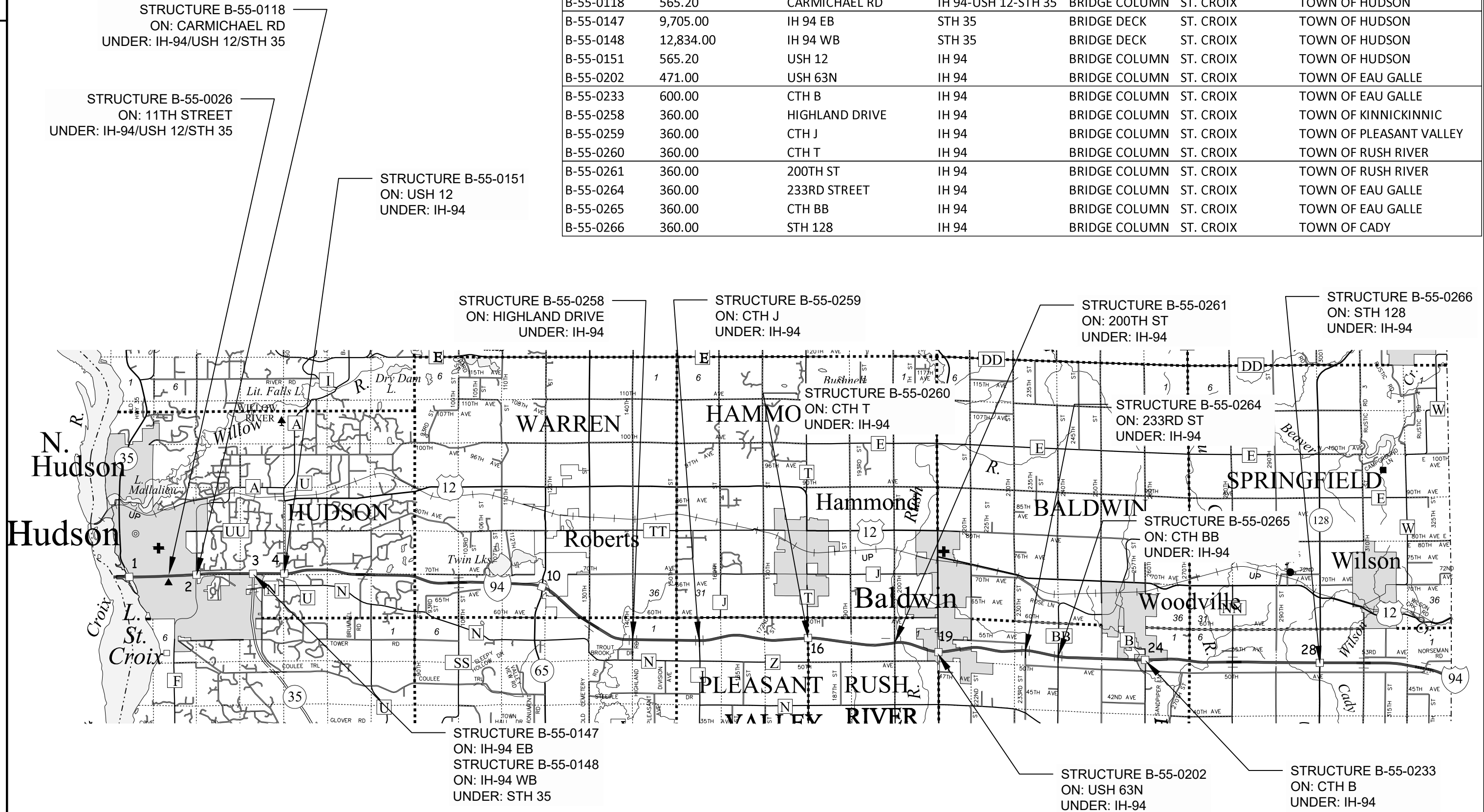
- INSIDE FACE AND TOP TO BE CLEANED AND SEALED.
- TOP SURFACE TO BE ROLLED OR BRUSHED.
- PARAPET TYPE AND HEIGHT VARIES.
- SURFACE AREA INCLUDED IN QUANTITY SUMMARY.
- AVERAGE 2'-6" HEIGHT USED FOR QUANTITY ESTIMATE.



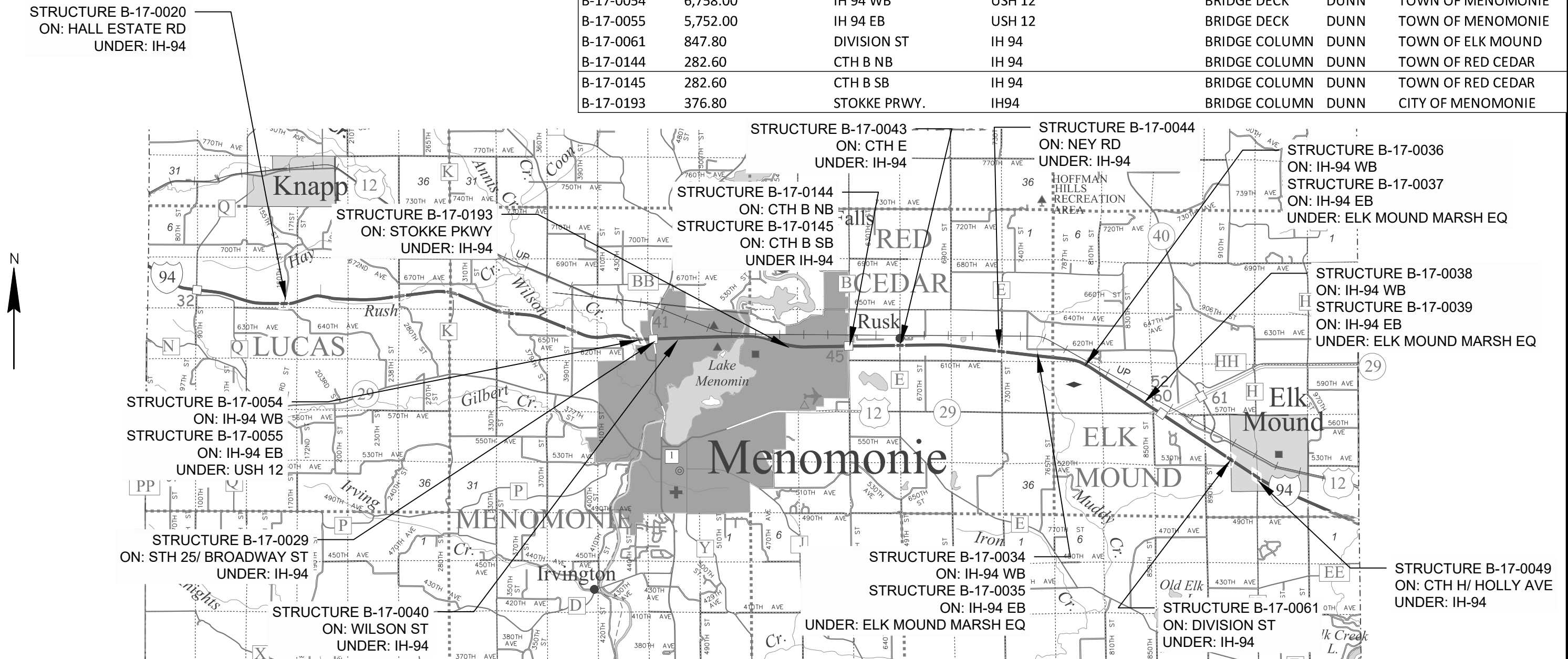
TYPICAL BRIDGE DECK CROSS SECTION
4 LANE DIVIDED HIGHWAY - IH 94

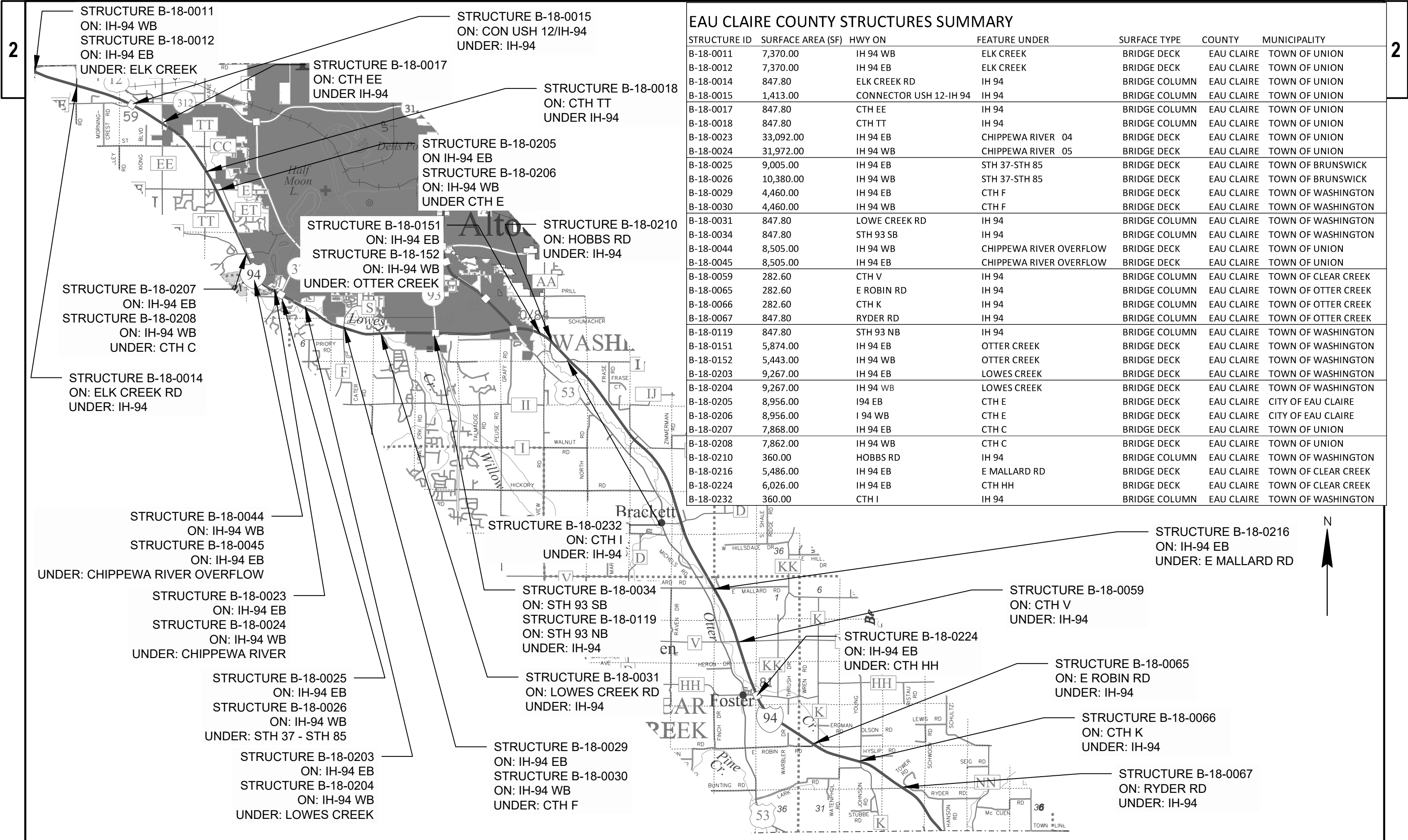
ST. CROIX COUNTY STRUCTURES SUMMARY

STRUCTURE ID	SURFACE AREA (SF)	HWY ON	FEATURE UNDER	SURFACE TYPE	COUNTY	MUNICIPALITY
B-55-0026	282.60	11TH ST	IH 94-USH 12-STH 35	BRIDGE COLUMN	ST. CROIX	CITY OF HUDSON
B-55-0118	565.20	CARMICHAEL RD	IH 94-USH 12-STH 35	BRIDGE COLUMN	ST. CROIX	TOWN OF HUDSON
B-55-0147	9,705.00	IH 94 EB	STH 35	BRIDGE DECK	ST. CROIX	TOWN OF HUDSON
B-55-0148	12,834.00	IH 94 WB	STH 35	BRIDGE DECK	ST. CROIX	TOWN OF HUDSON
B-55-0151	565.20	USH 12	IH 94	BRIDGE COLUMN	ST. CROIX	TOWN OF HUDSON
B-55-0202	471.00	USH 63N	IH 94	BRIDGE COLUMN	ST. CROIX	TOWN OF EAU GALLE
B-55-0233	600.00	CTH B	IH 94	BRIDGE COLUMN	ST. CROIX	TOWN OF EAU GALLE
B-55-0258	360.00	HIGHLAND DRIVE	IH 94	BRIDGE COLUMN	ST. CROIX	TOWN OF KINNICKINNIC
B-55-0259	360.00	CTH J	IH 94	BRIDGE COLUMN	ST. CROIX	TOWN OF PLEASANT VALLEY
B-55-0260	360.00	CTH T	IH 94	BRIDGE COLUMN	ST. CROIX	TOWN OF RUSH RIVER
B-55-0261	360.00	200TH ST	IH 94	BRIDGE COLUMN	ST. CROIX	TOWN OF RUSH RIVER
B-55-0264	360.00	233RD STREET	IH 94	BRIDGE COLUMN	ST. CROIX	TOWN OF EAU GALLE
B-55-0265	360.00	CTH BB	IH 94	BRIDGE COLUMN	ST. CROIX	TOWN OF EAU GALLE
B-55-0266	360.00	STH 128	IH 94	BRIDGE COLUMN	ST. CROIX	TOWN OF CADY



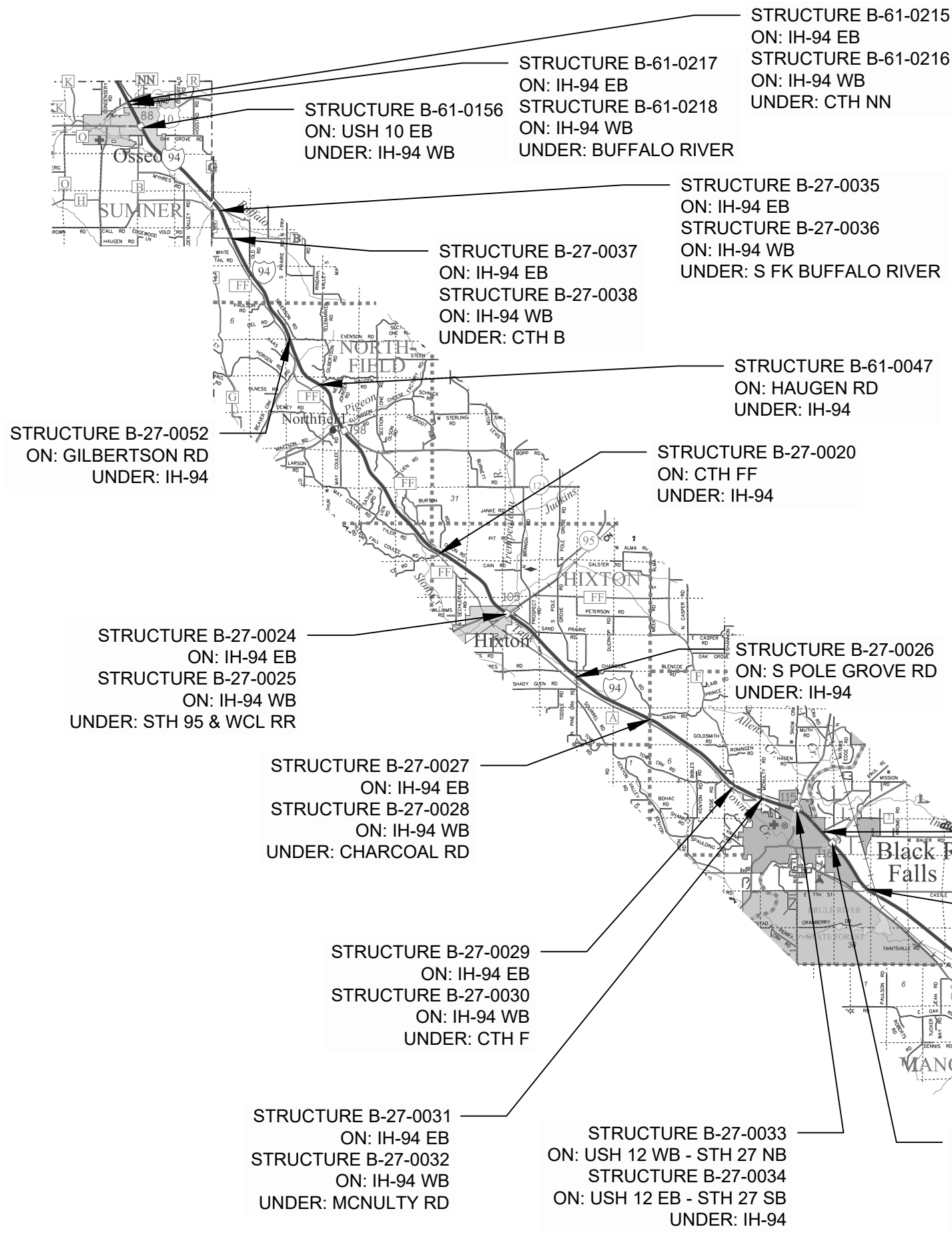
STRUCTURE ID	SURFACE AREA (SF)	HWY ON	FEATURE UNDER	SURFACE TYPE	COUNTY	MUNICIPALITY
B-17-0020	847.80	HALL ESTATE RD	IH 94	BRIDGE COLUMN	DUNN	TOWN OF LUCAS
B-17-0029	565.20	STH 25-BROADWAY ST	IH 94	BRIDGE COLUMN	DUNN	CITY OF MENOMONIE
B-17-0034	2,595.00	IH 94 WB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	DUNN	TOWN OF ELK MOUND
B-17-0035	2,595.00	IH 94 EB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	DUNN	TOWN OF ELK MOUND
B-17-0036	1,329.00	IH 94 WB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	DUNN	TOWN OF ELK MOUND
B-17-0037	1,329.00	IH 94 EB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	DUNN	TOWN OF ELK MOUND
B-17-0038	1,329.00	IH 94 WB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	DUNN	TOWN OF ELK MOUND
B-17-0039	1,323.00	IH 94 EB	ELK MOUND MARSH EQUALIZR	BRIDGE DECK	DUNN	TOWN OF ELK MOUND
B-17-0040	847.80	WILSON ST	IH 94	BRIDGE COLUMN	DUNN	CITY OF MENOMONIE
B-17-0043	847.80	CTH E	IH 94	BRIDGE COLUMN	DUNN	TOWN OF RED CEDAR
B-17-0044	847.80	NEY RD	IH 94	BRIDGE COLUMN	DUNN	TOWN OF RED CEDAR
B-17-0049	847.80	CTH H/ HOLLY AVE	IH 94	BRIDGE COLUMN	DUNN	VILLAGE OF ELK MOUND
B-17-0054	6,758.00	IH 94 WB	USH 12	BRIDGE DECK	DUNN	TOWN OF MENOMONIE
B-17-0055	5,752.00	IH 94 EB	USH 12	BRIDGE DECK	DUNN	TOWN OF MENOMONIE
B-17-0061	847.80	DIVISION ST	IH 94	BRIDGE COLUMN	DUNN	TOWN OF ELK MOUND
B-17-0144	282.60	CTH B NB	IH 94	BRIDGE COLUMN	DUNN	TOWN OF RED CEDAR
B-17-0145	282.60	CTH B SB	IH 94	BRIDGE COLUMN	DUNN	TOWN OF RED CEDAR
B-17-0193	376.80	STOKKE PRWY.	IH94	BRIDGE COLUMN	DUNN	CITY OF MENOMONIE





EAU CLAIRE COUNTY STRUCTURES SUMMARY

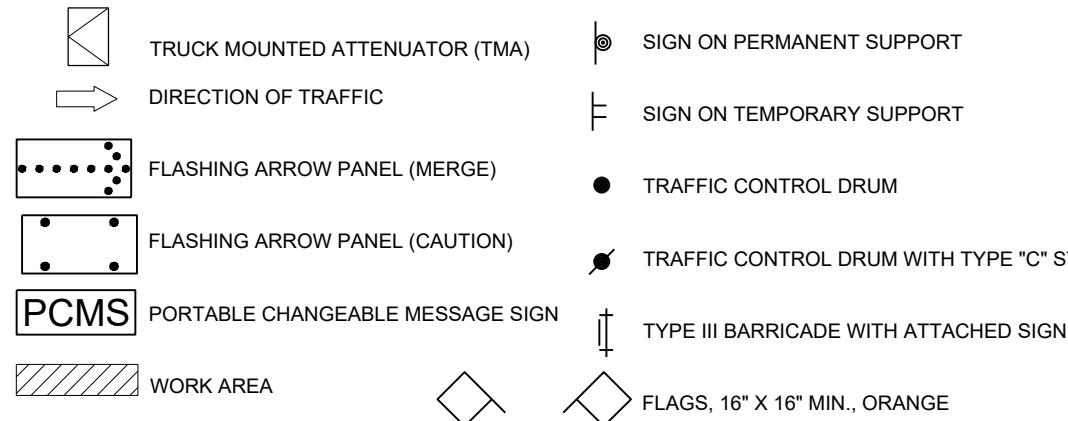
STRUCTURE ID	SURFACE AREA (SF)	HWY ON	FEATURE UNDER	SURFACE TYPE	COUNTY	MUNICIPALITY
B-18-0011	7,370.00	IH 94 WB	ELK CREEK	BRIDGE DECK	EAU CLAIRE	TOWN OF UNION
B-18-0012	7,370.00	IH 94 EB	ELK CREEK	BRIDGE DECK	EAU CLAIRE	TOWN OF UNION
B-18-0014	847.80	ELK CREEK RD	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF UNION
B-18-0015	1,413.00	CONNECTOR USH 12-IH 94	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF UNION
B-18-0017	847.80	CTH EE	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF UNION
B-18-0018	847.80	CTH TT	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF UNION
B-18-0023	33,092.00	IH 94 EB	CHIPPEWA RIVER 04	BRIDGE DECK	EAU CLAIRE	TOWN OF UNION
B-18-0024	31,972.00	IH 94 WB	CHIPPEWA RIVER 05	BRIDGE DECK	EAU CLAIRE	TOWN OF UNION
B-18-0025	9,005.00	IH 94 EB	STH 37-STH 85	BRIDGE DECK	EAU CLAIRE	TOWN OF BRUNSWICK
B-18-0026	10,380.00	IH 94 WB	STH 37-STH 85	BRIDGE DECK	EAU CLAIRE	TOWN OF BRUNSWICK
B-18-0029	4,460.00	IH 94 EB	CTH F	BRIDGE DECK	EAU CLAIRE	TOWN OF WASHINGTON
B-18-0030	4,460.00	IH 94 WB	CTH F	BRIDGE DECK	EAU CLAIRE	TOWN OF WASHINGTON
B-18-0031	847.80	LOWE CREEK RD	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF WASHINGTON
B-18-0034	847.80	STH 93 SB	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF WASHINGTON
B-18-0044	8,505.00	IH 94 WB	CHIPPEWA RIVER OVERFLOW	BRIDGE DECK	EAU CLAIRE	TOWN OF UNION
B-18-0045	8,505.00	IH 94 EB	CHIPPEWA RIVER OVERFLOW	BRIDGE DECK	EAU CLAIRE	TOWN OF UNION
B-18-0059	282.60	CTH V	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF CLEAR CREEK
B-18-0065	282.60	E ROBIN RD	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF OTTER CREEK
B-18-0066	282.60	CTH K	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF OTTER CREEK
B-18-0067	847.80	RYDER RD	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF OTTER CREEK
B-18-0119	847.80	STH 93 NB	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF WASHINGTON
B-18-0151	5,874.00	IH 94 EB	OTTER CREEK	BRIDGE DECK	EAU CLAIRE	TOWN OF WASHINGTON
B-18-0152	5,443.00	IH 94 WB	OTTER CREEK	BRIDGE DECK	EAU CLAIRE	TOWN OF WASHINGTON
B-18-0203	9,267.00	IH 94 EB	LOWES CREEK	BRIDGE DECK	EAU CLAIRE	TOWN OF WASHINGTON
B-18-0204	9,267.00	IH 94 WB	LOWES CREEK	BRIDGE DECK	EAU CLAIRE	TOWN OF WASHINGTON
B-18-0205	8,956.00	I94 EB	CTH E	BRIDGE DECK	EAU CLAIRE	CITY OF EAU CLAIRE
B-18-0206	8,956.00	I 94 WB	CTH E	BRIDGE DECK	EAU CLAIRE	CITY OF EAU CLAIRE
B-18-0207	7,868.00	IH 94 EB	CTH C	BRIDGE DECK	EAU CLAIRE	TOWN OF UNION
B-18-0208	7,862.00	IH 94 WB	CTH C	BRIDGE DECK	EAU CLAIRE	TOWN OF UNION
B-18-0210	360.00	HOBBS RD	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF WASHINGTON
B-18-0216	5,486.00	IH 94 EB	E MALLARD RD	BRIDGE DECK	EAU CLAIRE	TOWN OF CLEAR CREEK
B-18-0224	6,026.00	IH 94 EB	CTH HH	BRIDGE DECK	EAU CLAIRE	TOWN OF CLEAR CREEK
B-18-0232	360.00	CTH I	IH 94	BRIDGE COLUMN	EAU CLAIRE	TOWN OF WASHINGTON



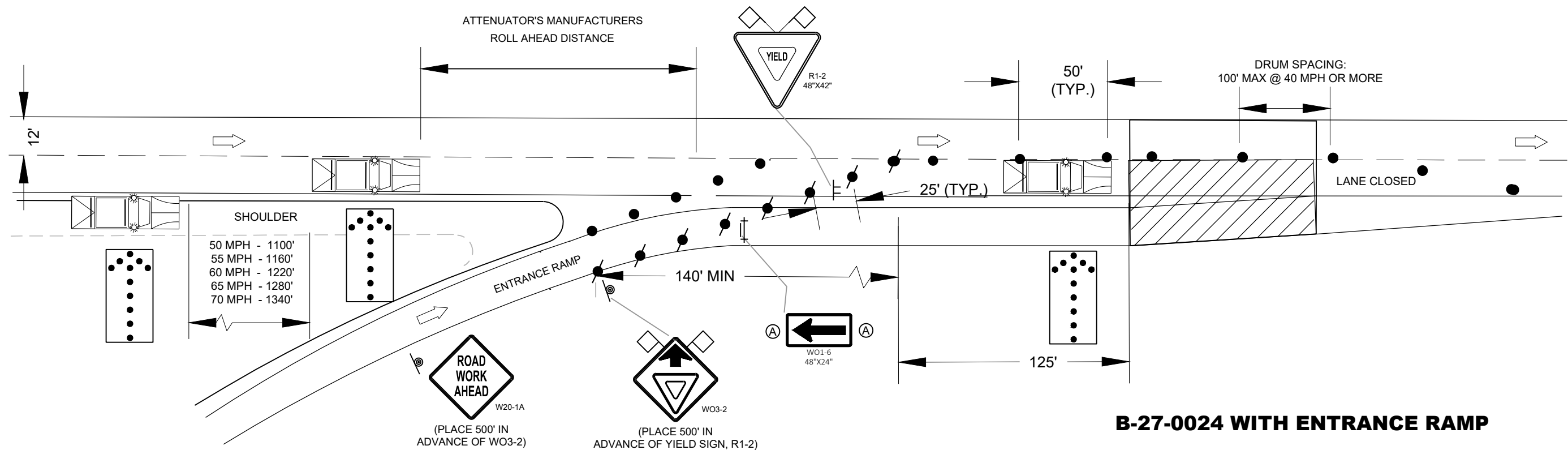
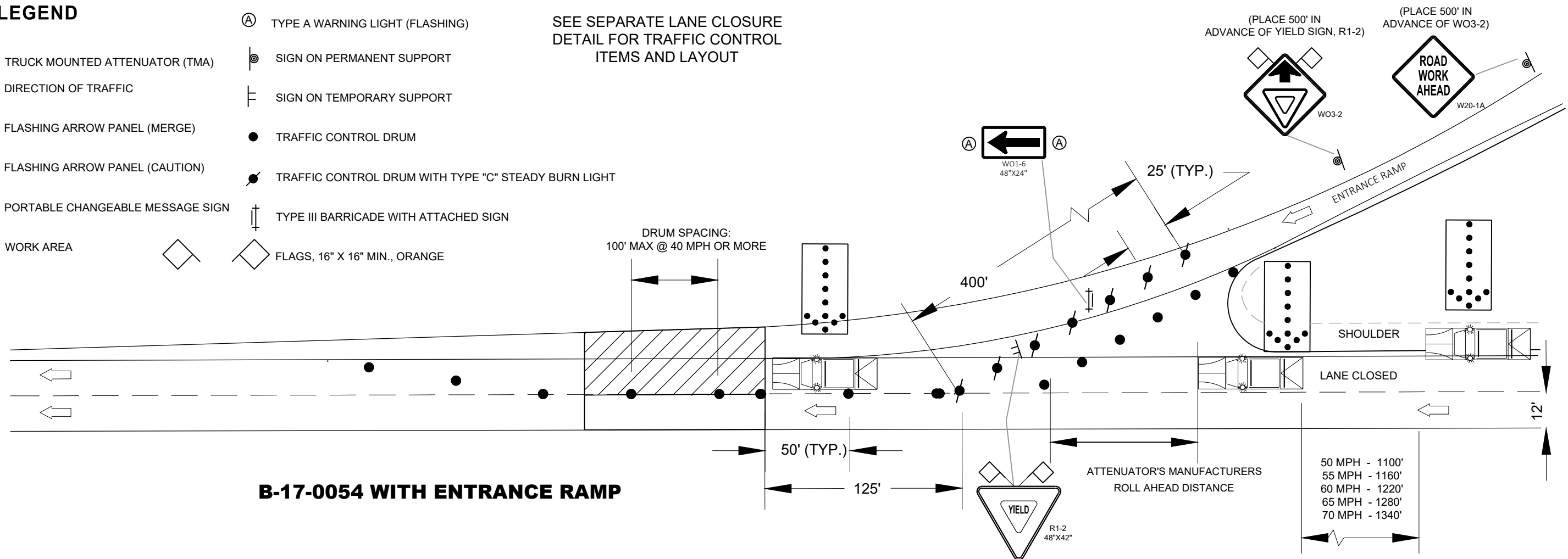
JACKSON AND TREMPLEALEU COUNTIES STRUCTURES SUMMARY

STRUCTURE ID	SURFACE AREA (SF)	HWY ON	FEATURE UNDER	SURFACE TYPE	COUNTY	MUNICIPALITY
B-61-0156	659.40	USH 10 EB	IH 94 WB	BRIDGE COLUMN	TREMPLEALEU	CITY OF OSSEO
B-61-0215	9,950.00	IH 94 EB	CTH NN	BRIDGE DECK	TREMPLEALEU	TOWN OF SUMNER
B-61-0216	9,950.00	IH 94 WB	CTH NN	BRIDGE DECK	TREMPLEALEU	TOWN OF SUMNER
B-61-0217	8,878.00	IH 94 EB	BUFFALO RIVER	BRIDGE DECK	TREMPLEALEU	TOWN OF SUMNER
B-61-0218	8,878.00	IH 94 WB	BUFFALO RIVER	BRIDGE DECK	TREMPLEALEU	TOWN OF SUMNER
B-27-0020	282.60	CTH FF	IH 94	BRIDGE COLUMN	JACKSON	TOWN OF HIXTON
B-27-0024	15,374.00	IH 94 EB	STH 95 & WCL RR	BRIDGE DECK	JACKSON	TOWN OF HIXTON
B-27-0025	12,526.00	IH 94 WB	STH 95 & WCL RR	BRIDGE DECK	JACKSON	TOWN OF HIXTON
B-27-0026	282.60	S POLE GROVE RD	IH 94	BRIDGE COLUMN	JACKSON	TOWN OF HIXTON
B-27-0027	4,796.00	IH 94 EB	CHARCOAL RD	BRIDGE DECK	JACKSON	TOWN OF HIXTON
B-27-0028	5,090.00	IH 94 WB	CHARCOAL RD	BRIDGE DECK	JACKSON	TOWN OF HIXTON
B-27-0029	4,859.00	IH 94 EB	CTH F	BRIDGE DECK	JACKSON	TOWN OF ADAMS
B-27-0030	4,985.00	IH 94 WB	CTH F	BRIDGE DECK	JACKSON	TOWN OF ADAMS
B-27-0031	4,418.00	IH 94 EB	MCNULTY RD	BRIDGE DECK	JACKSON	TOWN OF ADAMS
B-27-0032	4,418.00	IH 94 WB	MCNULTY RD	BRIDGE DECK	JACKSON	TOWN OF ADAMS
B-27-0033	282.60	USH 12 WB-STH 27 NB	IH 94	BRIDGE COLUMN	JACKSON	TOWN OF ADAMS
B-27-0034	282.60	USH 12 EB-STH 27 SB	IH 94	BRIDGE COLUMN	JACKSON	TOWN OF ADAMS
B-27-0035	5,414.00	IH 94 EB	S FK BUFFALO RIVER	BRIDGE DECK	JACKSON	TOWN OF GARFIELD
B-27-0036	4,982.00	IH 94 WB	S FK BUFFALO RIVER	BRIDGE DECK	JACKSON	TOWN OF GARFIELD
B-27-0037	4,754.00	IH 94 EB	CTH B	BRIDGE DECK	JACKSON	TOWN OF GARFIELD
B-27-0038	4,754.00	IH 94 WB	CTH B	BRIDGE DECK	JACKSON	TOWN OF GARFIELD
B-27-0041	11,243.00	IH 94 EB	WINNEBAGO AVE	BRIDGE DECK	JACKSON	CITY OF BLACK RIVER FALLS
B-27-0042	11,403.00	IH 94 WB	WINNEBAGO AVE	BRIDGE DECK	JACKSON	CITY OF BLACK RIVER FALLS
B-27-0045	282.60	STH 54 EB	IH 94	BRIDGE COLUMN	JACKSON	TOWN OF BROCKWAY
B-27-0047	282.60	HAUGEN RD	IH 94	BRIDGE COLUMN	JACKSON	TOWN OF NORTHFIELD
B-27-0052	282.60	GILBERTSON RD	IH 94	BRIDGE COLUMN	JACKSON	TOWN OF NORTHFIELD
B-27-0053	282.60	CASTLE MOUND RD	IH 94	BRIDGE COLUMN	JACKSON	TOWN OF BROCKWAY
B-27-0054	4,124.00	IH 94 EB	LAMBERT RD	BRIDGE DECK	JACKSON	TOWN OF MANCHESTER
B-27-0055	5,774.00	IH 94 WB	LAMBERT RD	BRIDGE DECK	JACKSON	TOWN OF MANCHESTER
B-27-0059	5,534.00	IH 94 EB	CTH O	BRIDGE DECK	JACKSON	TOWN OF MILLSTON
B-27-0060	5,472.00	IH 94 WB	CTH O	BRIDGE DECK	JACKSON	TOWN OF MILLSTON
B-27-0116	282.60	STH 54 WB	IH 94	BRIDGE COLUMN	JACKSON	TOWN OF BROCKWAY



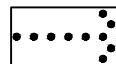











LEGEND



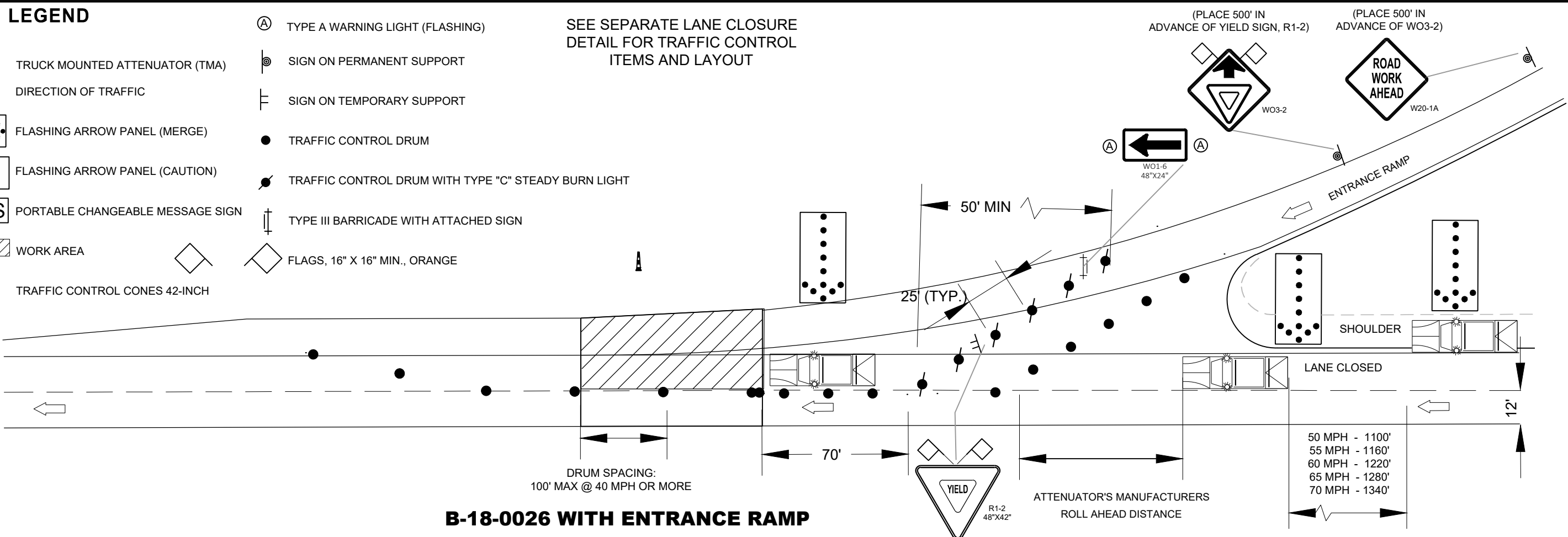
SEE SEPARATE LANE CLOSURE
DETAIL FOR TRAFFIC CONTROL
ITEMS AND LAYOUT



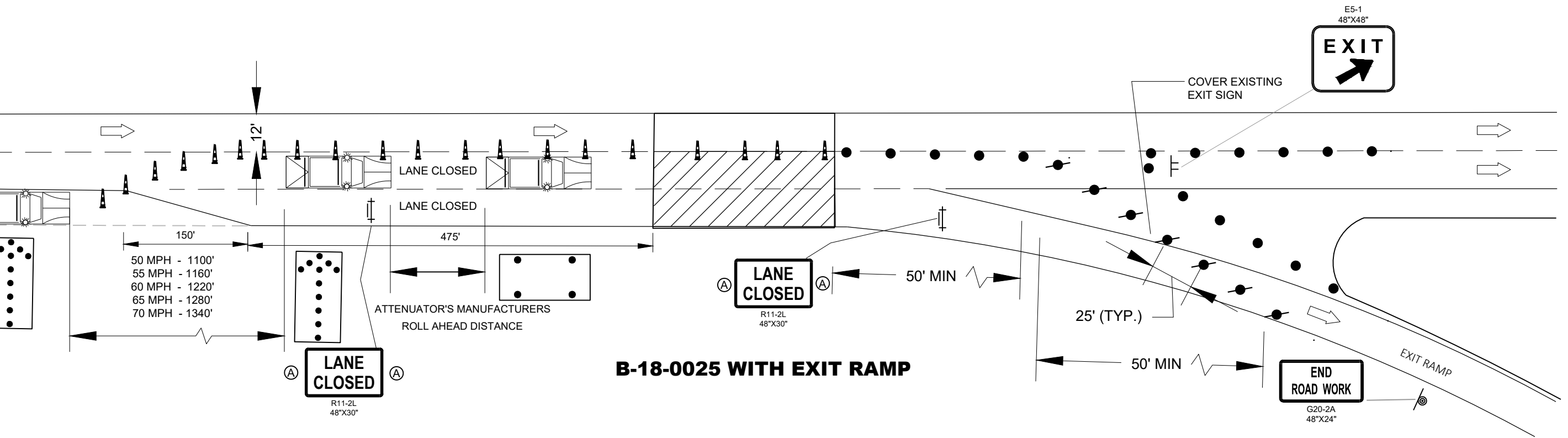
LEGEND

-  TRUCK MOUNTED ATTENUATOR (TMA)
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW PANEL (MERGE)
-  FLASHING ARROW PANEL (CAUTION)
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  WORK AREA
-  TRAFFIC CONTROL CONES 42-INCH
-  TYPE A WARNING LIGHT (FLASHING)
-  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

SEE SEPARATE LANE CLOSURE
DETAIL FOR TRAFFIC CONTROL
ITEMS AND LAYOUT



B-18-0026 WITH ENTRANCE RAMP



B-18-0025 WITH EXIT RAMP

Estimate Of Quantities

1020-00-79

Line	Item	Item Description	Unit	Total	Qty
0002	213.0100	Finishing Roadway (project) 01. 1020-00-79	EACH	1.000	1.000
0004	502.3215.S	Protective Surface Treatment Reseal	SY	47,483.000	47,483.000
0006	619.1000	Mobilization	EACH	1.000	1.000
0008	628.7010	Inlet Protection Type B	EACH	36.000	36.000
0010	643.0300	Traffic Control Drums	DAY	6,667.000	6,667.000
0012	643.0420	Traffic Control Barricades Type III	DAY	50.000	50.000
0014	643.0705	Traffic Control Warning Lights Type A	DAY	100.000	100.000
0016	643.0715	Traffic Control Warning Lights Type C	DAY	1,705.000	1,705.000
0018	643.0800	Traffic Control Arrow Boards	DAY	165.000	165.000
0020	643.0900	Traffic Control Signs	DAY	926.000	926.000
0022	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	55.000	55.000
0024	643.1070	Traffic Control Cones 42-Inch	DAY	341.000	341.000
0026	643.5000	Traffic Control	EACH	1.000	1.000

PROJECT ITEMS				
	213.0100.01	619.1000	643.5000	
	FINISHING ROADWAY (PROJECT) (01. 1020-00-79)	MOBILIZATION EACH	TRAFFIC CONTROL EACH	
CATEGORY	PROJECT	EACH	EACH	EACH
0010	1020-00-79	1	1	1
0010				
	TOTAL 0010	1	1	1

BRIDGES							502.3215.S	628.7010
							PROTECTIVE SURFACE TREATMENT RESEAL SY	INLET PROTECTION TYPE B EACH
CATEGORY	STRUCTURE ID	VILLAGE, TOWN OR CITY	FEATURE ON	FEATURE UNDER	SURFACE TYPE			
ST. CROIX COUNTY								
0010	B-55-0026	C-HUDSON	11TH ST	IH 94-USH 12-STH 35	Bridge Column	32		
0010	B-55-0118	T-HUDSON	CARMICHAEL RD	IH 94-USH 12-STH 35	Bridge Column	63		
0010	B-55-0147	T-HUDSON	IH 94 EB	STH 35	Bridge Deck	1,079		4
0010	B-55-0148	T-HUDSON	IH 94 WB	STH 35	Bridge Deck	1,426		4
0010	B-55-0151	T-HUDSON	USH 12	IH 94	Bridge Column	63		
0010	B-55-0258	T-KINNICKINNIC	HIGHLAND DRIVE	IH 94	Bridge Column	40		
0010	B-55-0259	T-PLEASANT VALLEY	CTH J NB & SB	IH 94	Bridge Column	40		
0010	B-55-0260	T-RUSH RIVER	CTH T	IH 94	Bridge Column	40		
0010	B-55-0261	T-RUSH RIVER	200TH ST	IH 94	Bridge Column	40		
0010	B-55-0202	T-EAU GALLE	USH 63N	IH 94W	Bridge Column	53		
0010	B-55-0264	T-EAU GALLE	233RD STREET	IH 94	Bridge Column	40		
0010	B-55-0265	T-EAU GALLE	CTH BB	IH 94 EB & WB	Bridge Column	40		
0010	B-55-0233	T-EAU GALLE	CTH B	IH 94	Bridge Column	67		
0010	B-55-0266	T-CADY	STH 128	IH 94	Bridge Column	40		
ST. CROIX COUNTY TOTAL							3,063	8
DUNN COUNTY								
0010	B-17-0020	T-LUCAS	HALL ESTATE RD	IH 94	Bridge Column	95		
0010	B-17-0054	T-MENOMONIE	IH 94 WB	USH 12	Bridge Deck	751		
0010	B-17-0055	T-MENOMONIE	IH 94 EB	USH 12	Bridge Deck	640		
0010	B-17-0029	C-MENOMONIE	STH 25-BROADWAY ST	IH 94	Bridge Column	63		
0010	B-17-0040	C-MENOMONIE	WILSON ST	IH 94	Bridge Column	95		
0010	B-17-0193	C-MENOMONIE	STOKKE PRWY.	IH94WB	Bridge Column	42		
0010	B-17-0144	T-RED CEDAR	CTH B NB	IH 94	Bridge Column	32		
0010	B-17-0145	T-RED CEDAR	CTH B SB	IH 94	Bridge Column	32		
0010	B-17-0043	T-RED CEDAR	CTH E	IH 94	Bridge Column	95		
0010	B-17-0044	T-RED CEDAR	NEY RD	IH 94	Bridge Column	95		
0010	B-17-0034	T-ELK MOUND	IH 94 WB	ELK MOUND MARSH EQUALIZR	Bridge Deck	289		
0010	B-17-0035	T-ELK MOUND	IH 94 EB	ELK MOUND MARSH EQUALIZR	Bridge Deck	289		
0010	B-17-0036	T-ELK MOUND	IH 94 WB	ELK MOUND MARSH EQUALIZR	Bridge Deck	148		
0010	B-17-0037	T-ELK MOUND	IH 94 EB	ELK MOUND MARSH EQUALIZR	Bridge Deck	148		
0010	B-17-0038	T-ELK MOUND	IH 94 WB	ELK MOUND MARSH EQUALIZR	Bridge Deck	148		
0010	B-17-0039	T-ELK MOUND	IH 94 EB	ELK MOUND MARSH EQUALIZR	Bridge Deck	147		
0010	B-17-0061	T-ELK MOUND	DIVISION ST	IH 94	Bridge Column	95		
0010	B-17-0049	V-ELK MOUND	CTH H HOLLY AVE	IH 94	Bridge Column	95		
DUNN COUNTY TOTAL							3,299	0

BRIDGES						502.3215.S	628.7010
						PROTECTIVE	
						SURFACE	
						TREATMENT	INLET PROTECTION
CATEGORY	STRUCTURE ID	VILLAGE, TOWN OR CITY	FEATURE ON	FEATURE UNDER	SURFACE TYPE	RESEAL SY	TYPE B EACH
EAU CLAIRE COUNTY							
0010	B-18-0011	T-UNION	IH 94 WB	ELK CREEK	Bridge Deck	819	
0010	B-18-0012	T-UNION	IH 94 EB	ELK CREEK	Bridge Deck	819	
0010	B-18-0014	T-UNION	ELK CREEK RD	IH 94	Bridge Column	95	
0010	B-18-0015	T-UNION	CONNECTOR USH 12-IH 94	IH 94	Bridge Column	157	
0010	B-18-0017	T-UNION	CTH EE	IH 94	Bridge Column	95	
0010	B-18-0018	T-UNION	CTH TT	IH 94	Bridge Column	95	
0010	B-18-0205	C-EAU CLAIRE	I94 EB	CTH E	Bridge Deck	996	
0010	B18-0206	C-EAU CLAIRE	I 94 WB	CTH E	Bridge Deck	996	
0010	B-18-0207	T-UNION	IH 94 EB	CTH C	Bridge Deck	875	
0010	B-18-0208	T-UNION	IH 94 WB	CTH C	Bridge Deck	874	
0010	B-18-0044	T-UNION	IH 94 WB	CHIPPEWA RIVER OVERFLOW	Bridge Deck	945	
0010	B-18-0045	T-UNION	IH 94 EB	CHIPPEWA RIVER OVERFLOW	Bridge Deck	945	
0010	B-18-0023	T-UNION	IH 94 EB	CHIPPEWA RIVER 04	Bridge Deck	3,677	10
0010	B-18-0024	T-UNION	IH 94 WB	CHIPPEWA RIVER 05	Bridge Deck	3,553	10
0010	B-18-0025	T-BRUNSWICK	IH 94 EB	STH 37-STH 85	Bridge Deck	1,001	2
0010	B-18-0026	T-BRUNSWICK	IH 94 WB	STH 37-STH 85	Bridge Deck	1,154	2
0010	B-18-0203	T-WASHINGTON	IH 94 EB	LOWES CREEK	Bridge Deck	1,030	
0010	B-18-0204	T-WASHINGTON	IH 94	LOWES CREEK	Bridge Deck	1,030	
0010	B-18-0029	T-WASHINGTON	IH 94 EB	F	Bridge Deck	496	
0010	B-18-0030	T-WASHINGTON	IH 94 WB	F	Bridge Deck	496	
0010	B-18-0031	T-WASHINGTON	LOWE CREEK RD	IH 94	Bridge Column	95	
0010	B-18-0034	T-WASHINGTON	STH 93 SB	IH 94	Bridge Column	95	
0010	B-18-0119	T-WASHINGTON	STH 93 NB	IH 94	Bridge Column	95	
0010	B-18-0151	T-WASHINGTON	IH 94 EB	OTTER CREEK	Bridge Deck	653	
0010	B-18-0152	T-WASHINGTON	IH 94 WB	OTTER CREEK	Bridge Deck	605	
0010	B-18-0210	T-WASHINGTON	HOBBS RD	IH 94	Bridge Column	40	
0010	B-18-0232	T-WASHINGTON	CTH I	IH 94	Bridge Column	40	
0010	B-18-0216	T-CLEAR CREEK	IH 94 EB	E MALLARD RD	Bridge Deck	610	
0010	B-18-0059	T-CLEAR CREEK	CTH V	IH 94	Bridge Column	32	
0010	B-18-0224	T-CLEAR CREEK	IH 94 EB	CTH HH	Bridge Deck	670	
0010	B-18-0065	T-OTTER CREEK	E ROBIN RD	IH 94	Bridge Column	32	
0010	B-18-0066	T-OTTER CREEK	CTH K	IH 94	Bridge Column	32	
0010	B-18-0067	T-OTTER CREEK	RYDER RD	IH 94	Bridge Column	95	
EAU CLAIRE COUNTY TOTAL						23,242	24

BRIDGES						502.3215.S	628.7010
						PROTECTIVE	
						SURFACE	
						TREATMENT	INLET PROTECTION
CATEGORY	STRUCTURE ID	VILLAGE, TOWN OR CITY	FEATURE ON	FEATURE UNDER	SURFACE TYPE	RESEAL SY	TYPE B EACH
TREMPEALEAU COUNTY							
0010	B-61-0215	T-SUMNER	IH 94 EB	CTH NN	Bridge Deck	1,106	
0010	B-61-0216	T-SUMNER	IH 94 WB	CTH NN	Bridge Deck	1,106	
0010	B-61-0217	T-SUMNER	IH 94 EB	BUFFALO RIVER	Bridge Deck	987	
0010	B-61-0218	T-SUMNER	IH 94 WB	BUFFALO RIVER	Bridge Deck	987	
0010	B-61-0156	C-OSSEO	USH 10 EB	IH 94 WB	Bridge Column	74	
TREMPEALEAU COUNTY TOTAL						4,260	0
JACKSON COUNTY							
0010	B-27-0035	T-GARFIELD	IH 94 EB	S FK BUFFALO RIVER	Bridge Deck	602	
0010	B-27-0036	T-GARFIELD	IH 94 WB	S FK BUFFALO RIVER	Bridge Deck	554	
0010	B-27-0037	T-GARFIELD	IH 94 EB	CTH B	Bridge Deck	529	
0010	B-27-0038	T-GARFIELD	IH 94 WB	CTH B	Bridge Deck	529	
0010	B-27-0052	T-NORTHFIELD	GILBERTSON RD	IH 94	Bridge Column	32	
0010	B-27-0047	T-NORTHFIELD	HAUGEN RD	IH 94	Bridge Column	32	
0010	B-27-0020	T-HIXTON	FF	IH 94	Bridge Column	32	
0010	B-27-0024	T-HIXTON	IH 94 EB	STH 95	Bridge Deck	1,709	2
0010	B-27-0025	T-HIXTON	IH 94 WB	STH 95	Bridge Deck	1,392	2
0010	B-27-0026	T-HIXTON	S POLE GROVE RD	IH 94	Bridge Column	32	
0010	B-27-0027	T-HIXTON	IH 94 EB	CHARCOAL RD	Bridge Deck	533	
0010	B-27-0028	T-HIXTON	IH 94 WB	CHARCOAL RD	Bridge Deck	566	
0010	B-27-0029	T-ADAMS	IH 94 EB	CTH F	Bridge Deck	540	
0010	B-27-0030	T-ADAMS	IH 94 WB	CTH F	Bridge Deck	554	
0010	B-27-0031	T-ADAMS	IH 94 EB	MCNULTY RD	Bridge Deck	491	
0010	B-27-0032	T-ADAMS	IH 94 WB	MCNULTY RD	Bridge Deck	491	
0010	B-27-0033	T-ADAMS	USH 12 WB-STH 27 NB	IH 94	Bridge Column	32	
0010	B-27-0034	T-ADAMS	USH 12 EB-STH 27 SB	IH 94	Bridge Column	32	
0010	B-27-0041	C-BLACK RIVER FALLS	IH 94 EB	WINNEBAGO AVE	Bridge Deck	1,250	
0010	B-27-0042	C-BLACK RIVER FALLS	IH 94 WB	WINNEBAGO AVE	Bridge Deck	1,267	
0010	B-27-0116	T-BROCKWAY	STH 54 WB	IH 94 EW	Bridge Column	32	
0010	B-27-0045	T-BROCKWAY	STH 54 EB	IH 94	Bridge Column	32	
0010	B-27-0053	T-BROCKWAY	CASTLE MOUND RD	IH 94	Bridge Column	32	
0010	B-27-0054	T-MANCHESTER	IH 94 EB	LAMBERT RD	Bridge Deck	459	
0010	B-27-0055	T-MANCHESTER	IH 94 WB	LAMBERT RD	Bridge Deck	642	
0010	B-27-0059	T-MILLSTON	IH 94 EB	CTH O	Bridge Deck	615	
0010	B-27-0060	T-MILLSTON	IH 94 WB	CTH O	Bridge Deck	608	
JACKSON COUNTY TOTAL						13,619	4
TOTAL 0010						47,483	36

TRAFFIC CONTROL															
643.0300 643.0420 643.0705 643.0715 643.0800 643.0900 643.1051 643.1070															
CATEGORY	COUNTY	STRUCTURE ID	VILLAGE, TOWN OR CITY	FEATURE ON	FEATURE UNDER	TRAFFIC CONTROL DRUMS DAY	TRAFFIC CONTROL BARRICADES TYPE III DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	TRAFFIC CONTROL ARROW BOARDS DAY	TRAFFIC CONTROL SIGNS DAY	TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS DAY	TRAFFIC CONTROL CONES 42-INCH DAY	ACCEL DECEL DRUM TAPER FT	REMARKS
0010	ST. CROIX	VARIOUS	VARIOUS			860	0	0	200	20	117	7	0		
0010	ST. CROIX	B-55-0148	T-HUDSON	IH 94 WB	STH 35	94	6	12	39	3	13	1	79	350	EXIT LANE ACROSS BRIDGE DECK TO EXIT RAMP BEYOND BRIDGE
0010	DUNN	VARIOUS	VARIOUS			1,060	0	0	240	24	144	8	0		
0010	DUNN	B-17-0054	T-MENOMONIE	IH 94 WB	USH 12	107	2	4	41	3	13	1	0	400	ENTRANCE RAMP TAPER FROM STH 25 INTERCHANGE ACROSS BRIDGE
0010	DUNN	B-17-0055	T-MENOMONIE	IH 94 EB	USH 12	82	6	12	33	3	13	1	79	200	EXIT RAMP TAPER TO STH 25 INTERCHANGE BEGINS AT EAST END OF DECK
0010	EAU CLAIRE	VARIOUS	VARIOUS			1,920	0	0	440	44	261	15	0		
0010	EAU CLAIRE	B-18-0015	T-UNION	CONNECTOR USH 12-IH 94	IH 94	48	12	24	50	6	26	1			
0010	EAU CLAIRE	B-18-0025	T-BRUNSWICK	IH 94 EB	STH 37-STH 85	70	10	20	27	3	13	1	79	50	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	78	2	4	27	3	13	1	25	50	ENTRANCE LANE ACROSS BRIDGE DECK
0010	EAU CLAIRE	B-18-0151	T-WASHINGTON	IH 94 EB	OTTER CREEK	148	2	4	61	3	13	1	0	900	ENTRANCE RAMP TAPER FROM USH 53 INTERCHANGE ENDS AT WEST END OF BRIDGE
0010	TREMPEALEAU	VARIOUS	VARIOUS			330	0	0	80	8	45	3	0		
0010	JACKSON	VARIOUS	VARIOUS			1,590	0	0	360	36	216	12	0		
0010	JACKSON	B-27-0024	T-HIXTON	IH 94 EB	STH 95	86	2	4	31	3	13	1	0	140	ENTRANCE LANE ACROSS BRIDGE DECK
0010	JACKSON	B-27-0025	T-HIXTON	IH 94 WB	STH 95	78	6	12	31	3	13	1	79	150	EXIT LANE TAPER & EXIT LANE ACROSS BRIDGE DECK TO EXIT RAMP BEYOND BRIDGE
0010	JACKSON	B-27-0042	C-BLACK RIVER FALLS	IH 94 WB	WINNEBAGO AVE	116	2	4	45	3	13	1	0	500	ENTRANCE RAMP TAPER FROM STH 54 INTERCHANGE ENDS AT EAST END OF BRIDGE DECK
TOTAL 0010						6,667	50	100	1,705	165	926	55	341		

NOTE: QUANTITIES BASED OFF OF STANDARD DETAIL DRAWINGS LISTED BELOW AND IN NOTES TO THE RIGHT.

TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

TRAFFIC CONTROL SHORT DURATION MOBILE OPERATIONS

- FOR MOVING OPERATIONS SIGNS CAN BE PLACED ON TEMPORARY SUPPORT RATHER THAN PERMANENT SUPPORT IF CLOSURE AND SPEED REDUCTION MOVE WITH CONSTRUCTION OPERATIONS.

- FOR MOVING OPERATIONS TEMPORARY PAVEMENT MARKING NOT REQUIRED.

SEE PROJECT TRAFFIC CONTROL DETAIL

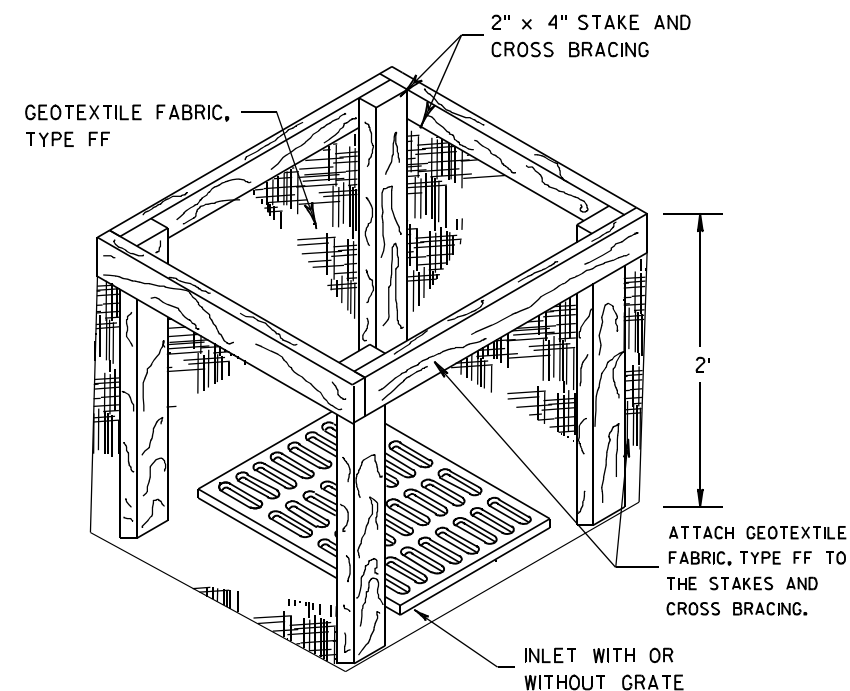
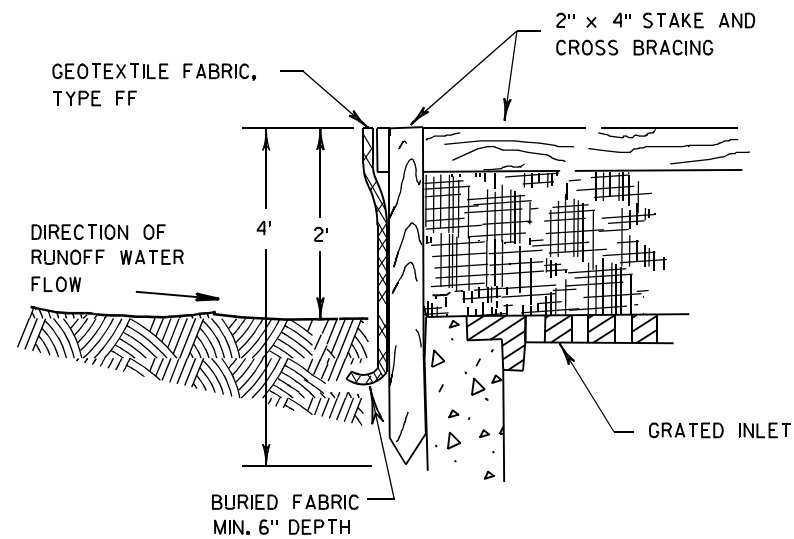
USE TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE SDD WITH THE MODIFIED DECELERATION DRUM TAPER LENGTH SHOWN. THE DISTANCE BETWEEN THE END OF THE DRUM TAPER AND THE BEGINNING OF THE EXIT RAMP WILL VARY DEPENDING ON LOCATION.

USE TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE SDD WITH THE MODIFIED ACCELERATION DRUM TAPER LENGTH SHOWN.

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.

Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D12-09B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
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
15D15-05B	TRAFFIC CONTROL, 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
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D43-01	TRAFFIC CONTROL, SHORT DURATION MOBILE OPERATIONS



INLET PROTECTION, TYPE A

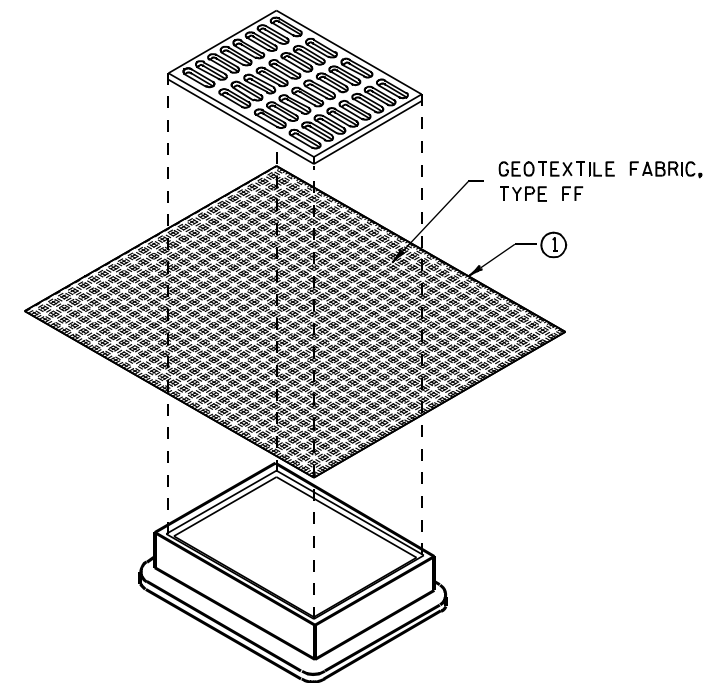
GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE
DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE
SUBSTITUTED.

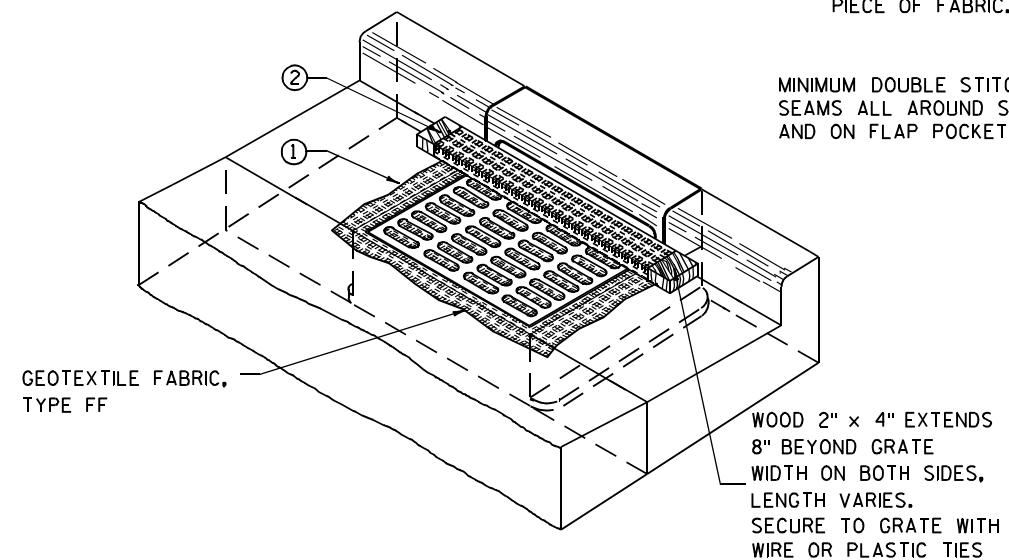
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- ① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- ③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE B (WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

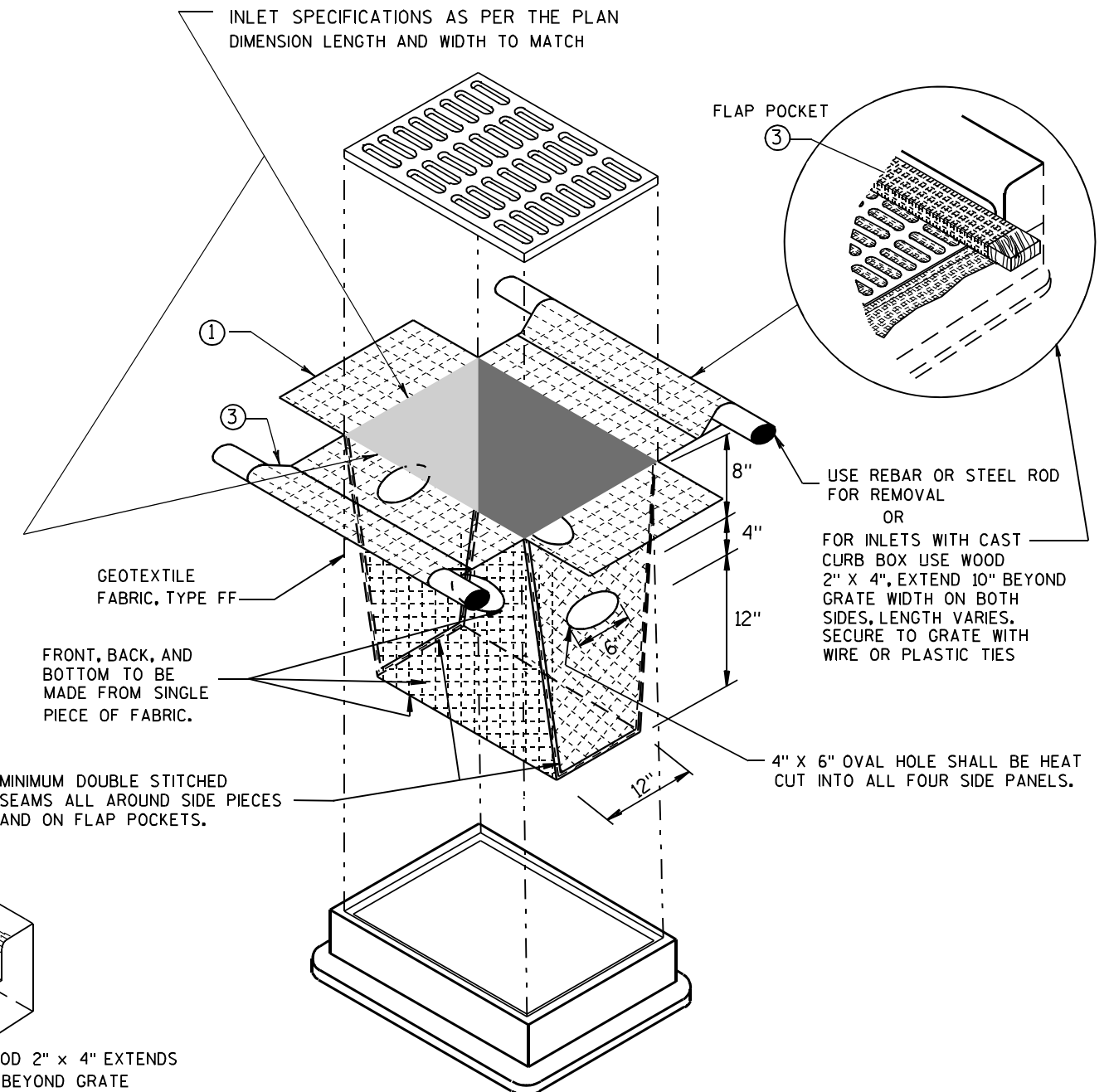
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.



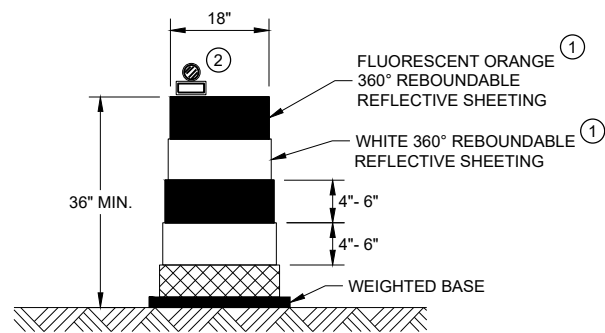
INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE (2))

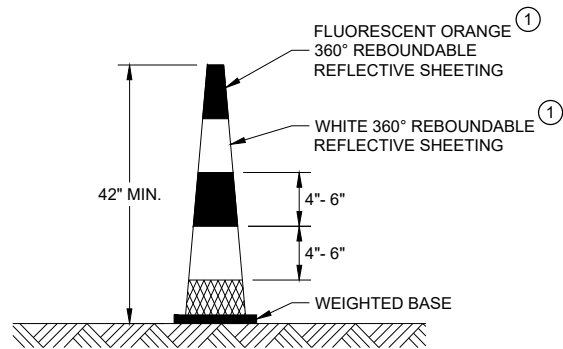
INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02 /S/ Beth Cannestra
DATE
FHWA CHIEF ROADWAY DEVELOPMENT ENGINEER

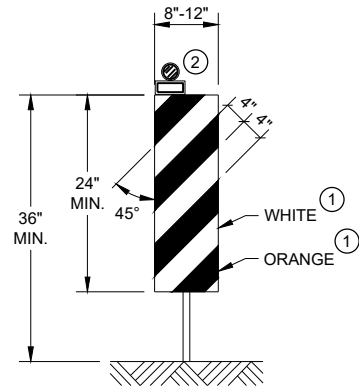


DRUM



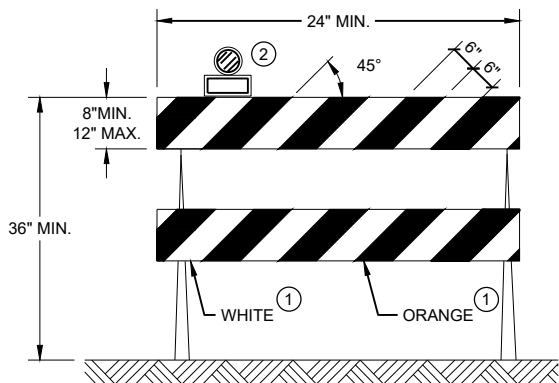
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



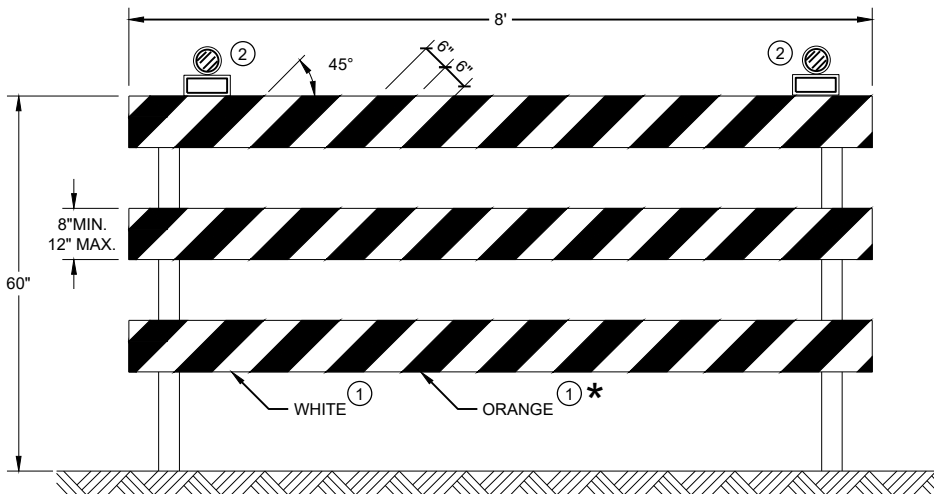
VERTICAL PANEL

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" 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 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.

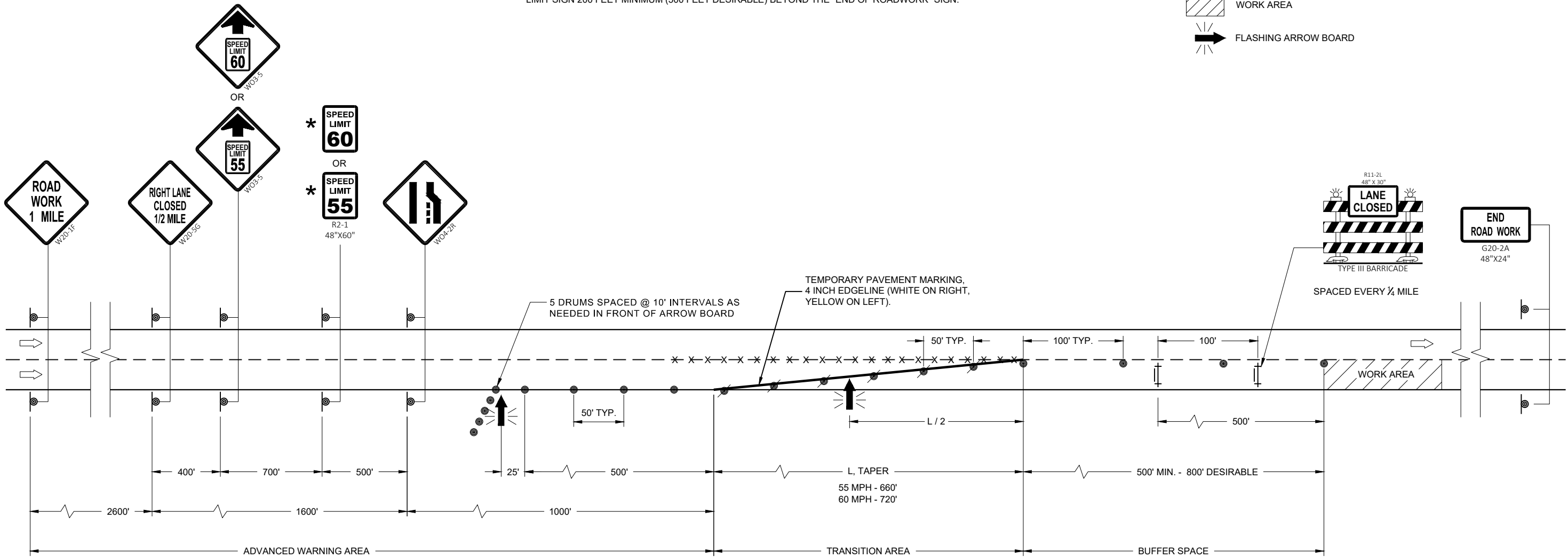
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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.

* 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



TRAFFIC CONTROL,
LANE CLOSURE,
SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 /S/ Andrew Heidtke
DATE 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.

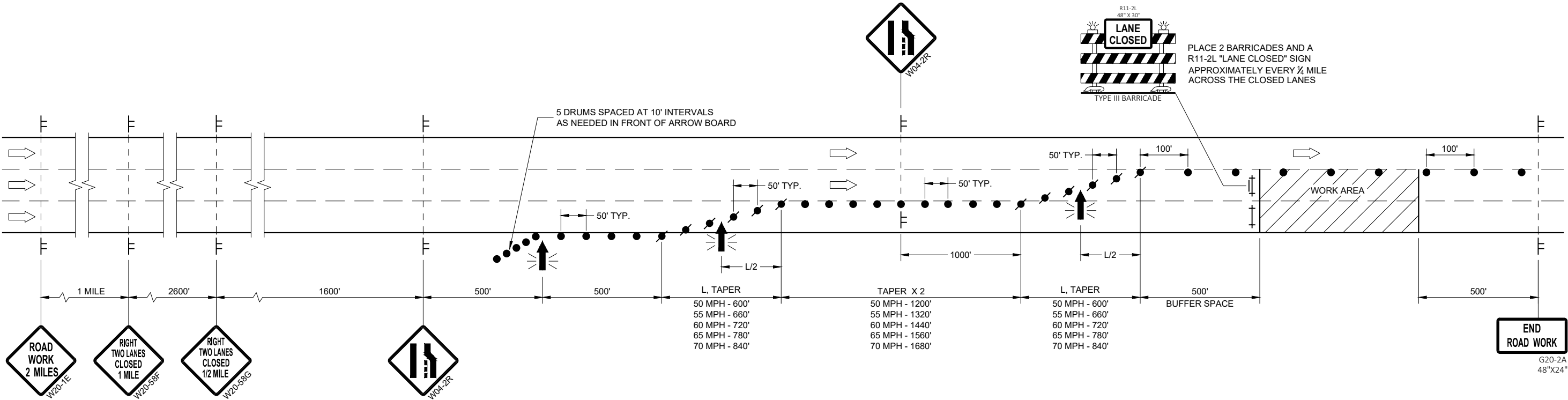
CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS.

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.

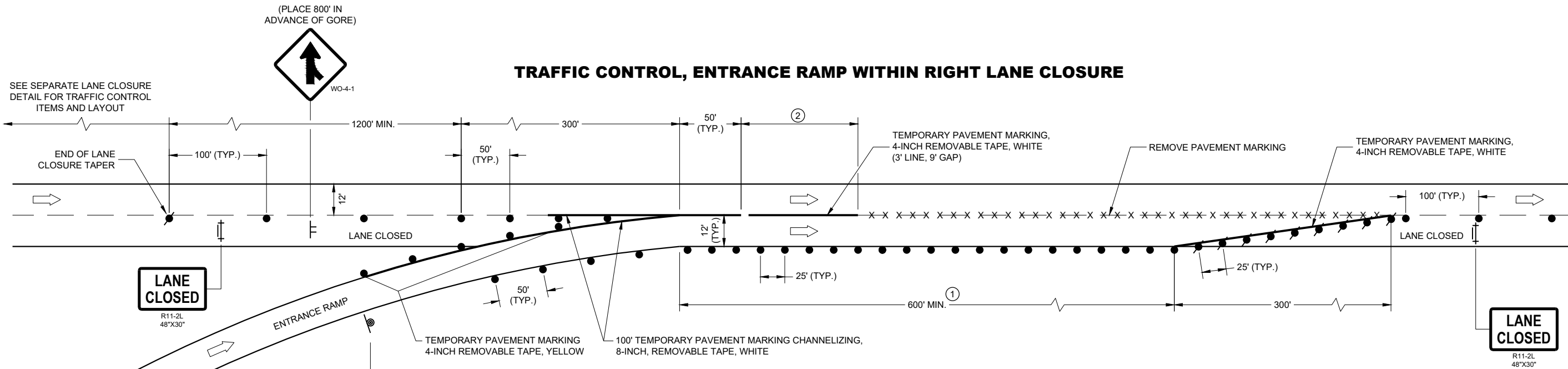
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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
- 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.

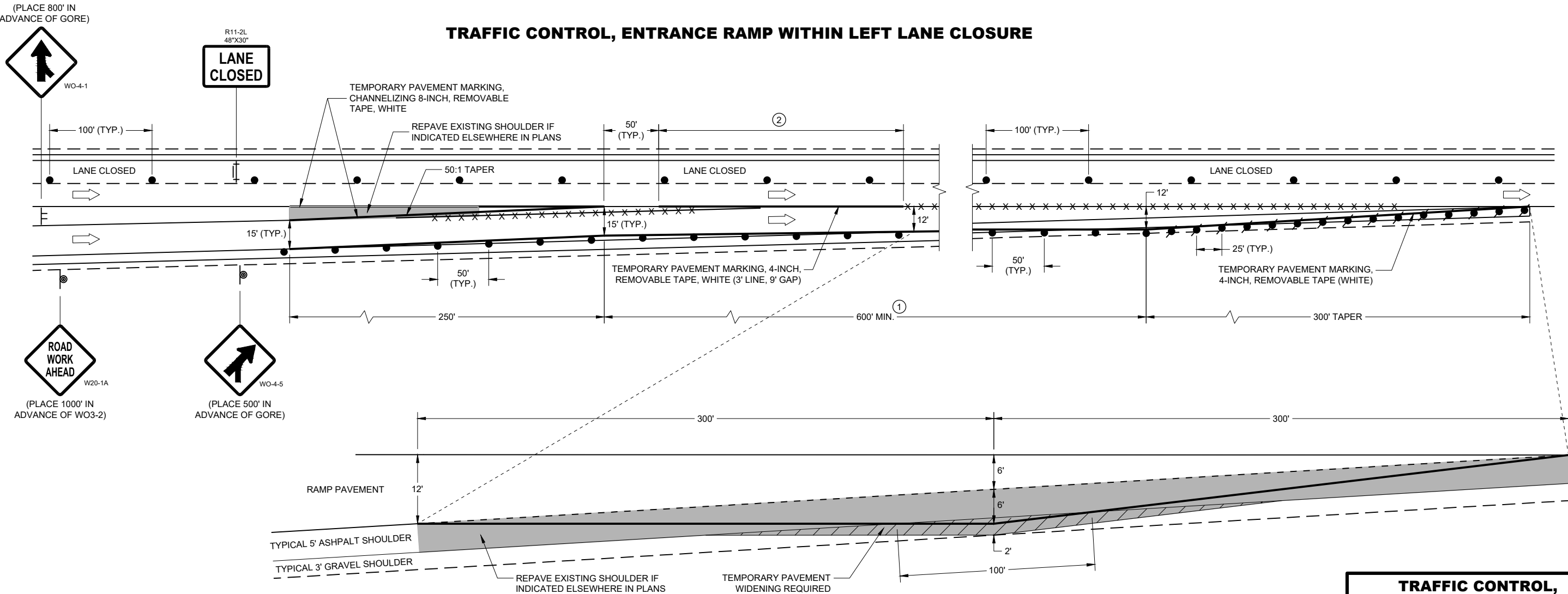
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, 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 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 MARKING AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LEFT LANE CLOSURE



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 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.

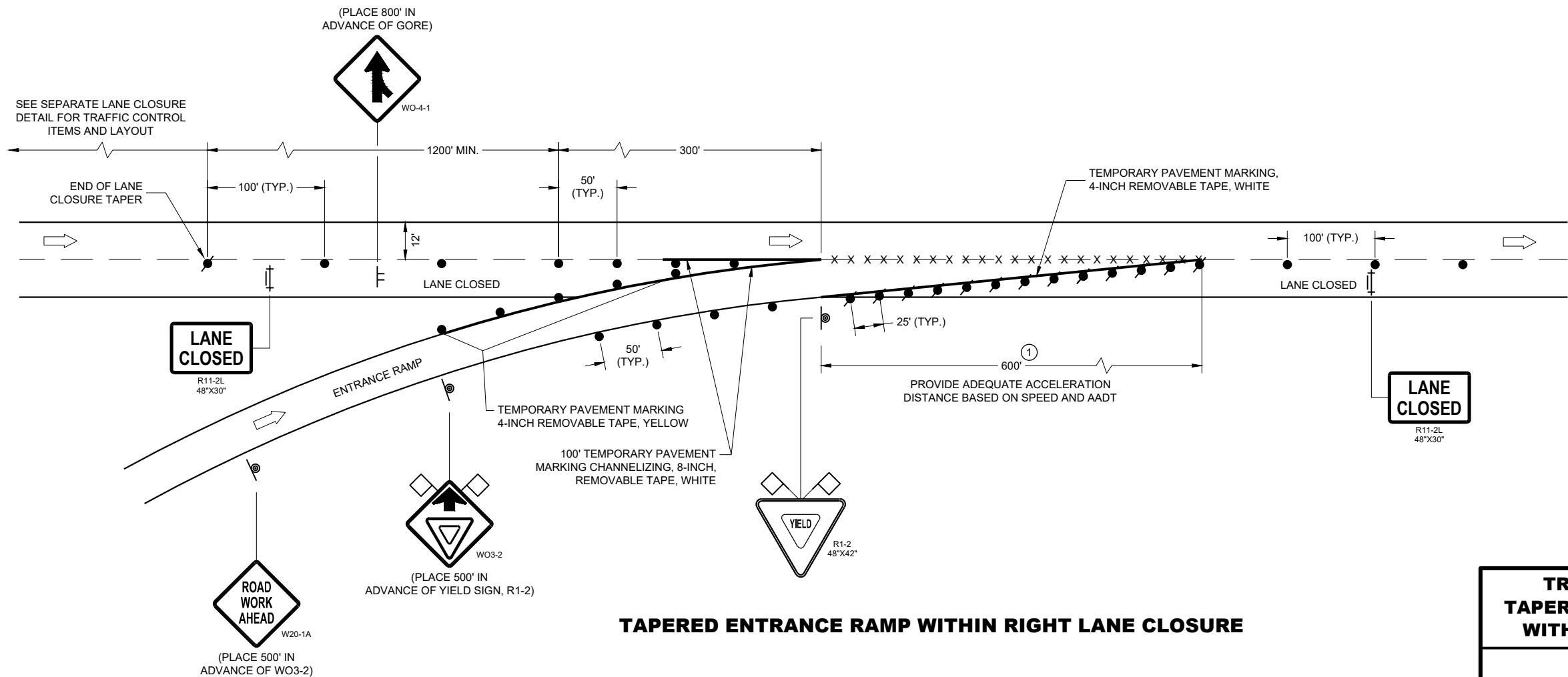
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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**






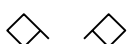

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

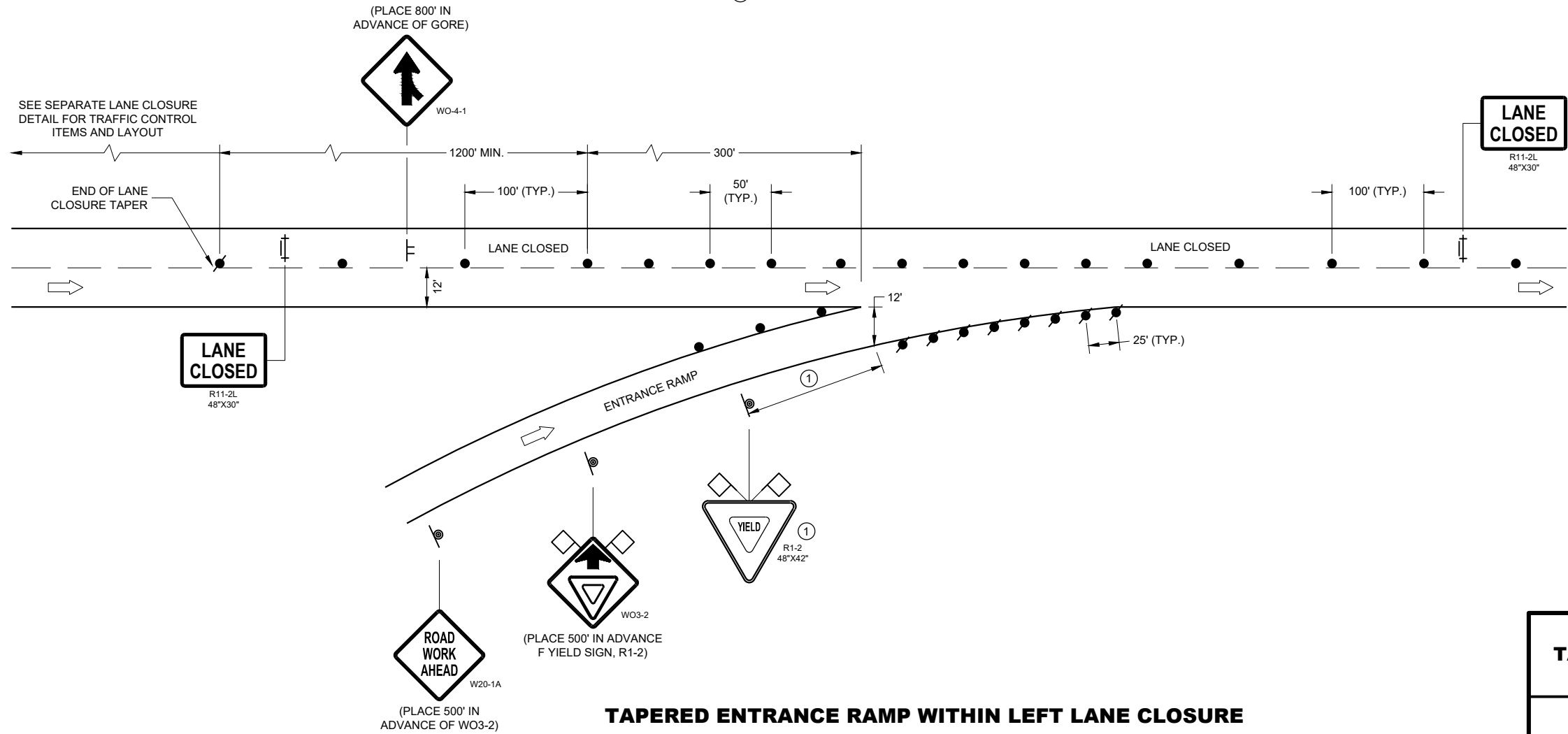
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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
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.

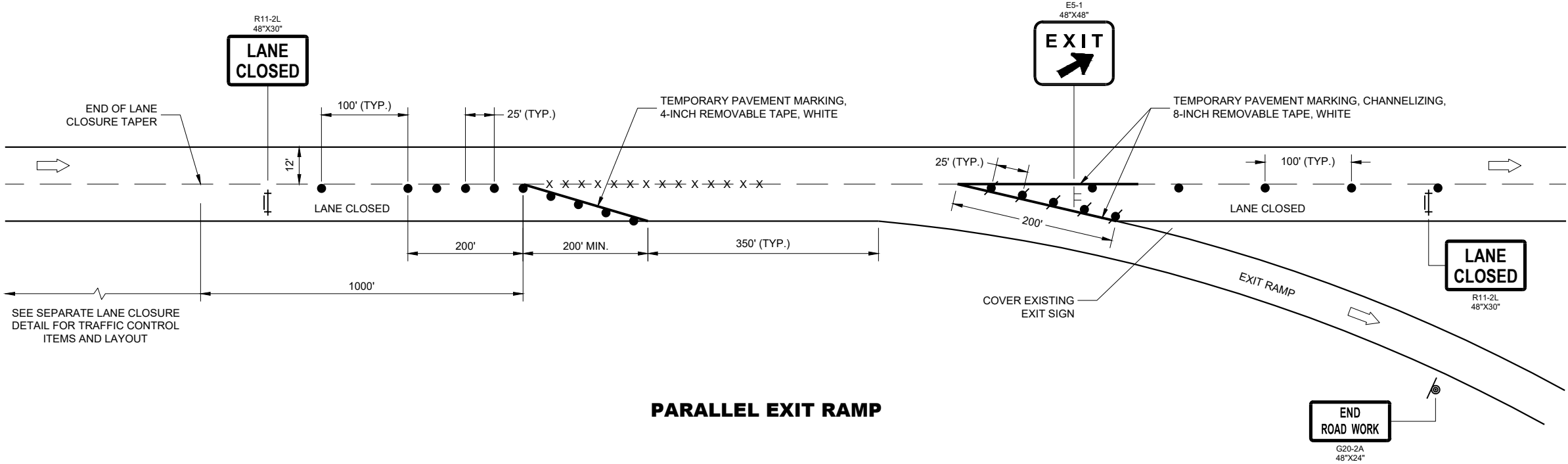
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS 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

- 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.

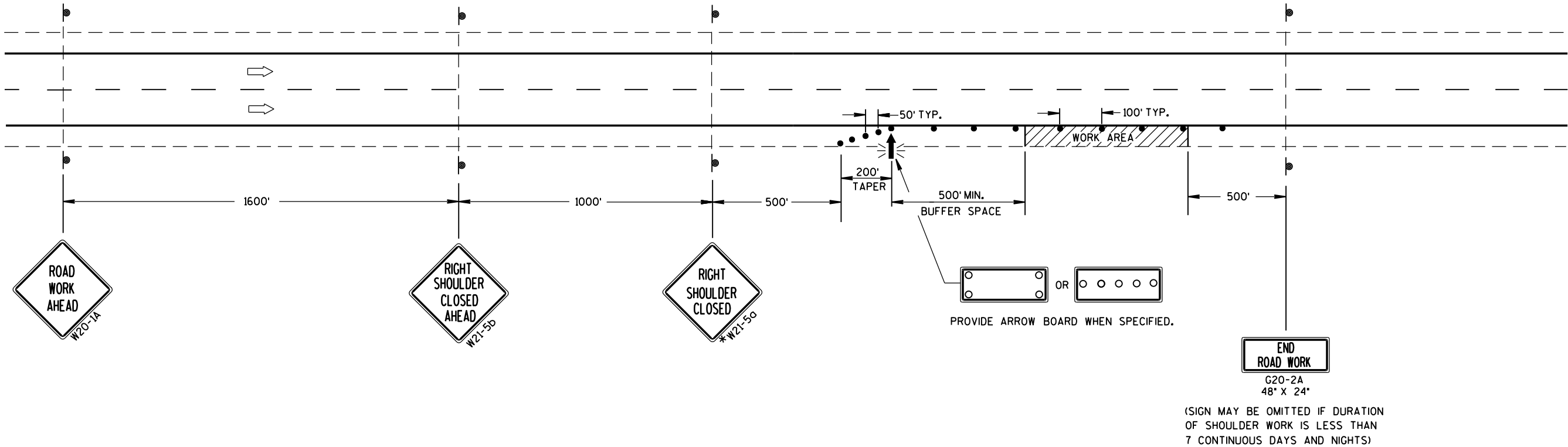
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

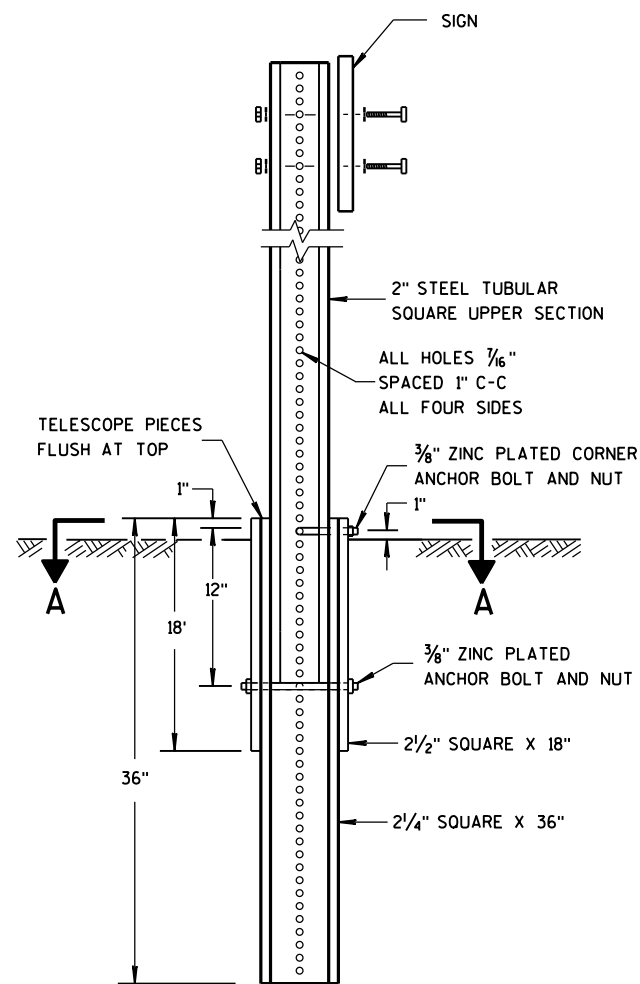
*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



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



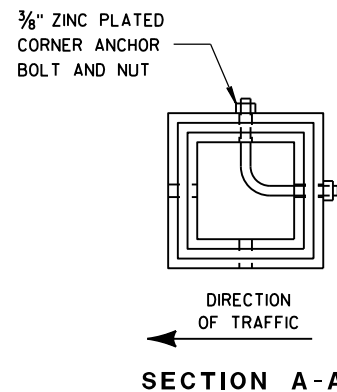
DETAIL OF TUBULAR
STEEL SIGN POST

TUBULAR STEEL POSTS

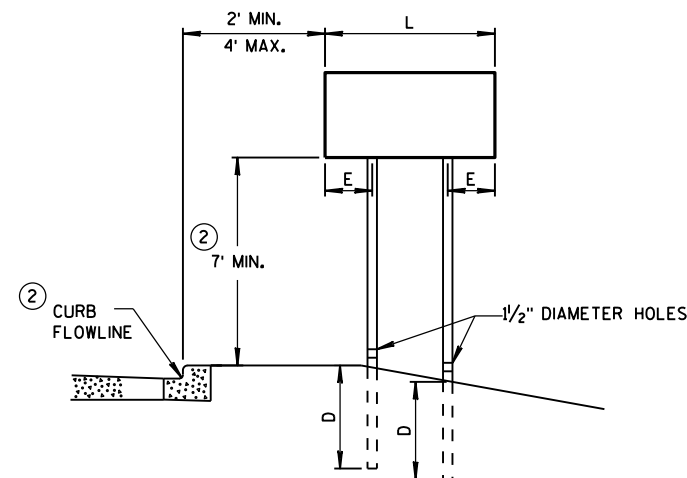
AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL
BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED
ON TUBULAR STEEL POSTS.



SECTION A-A

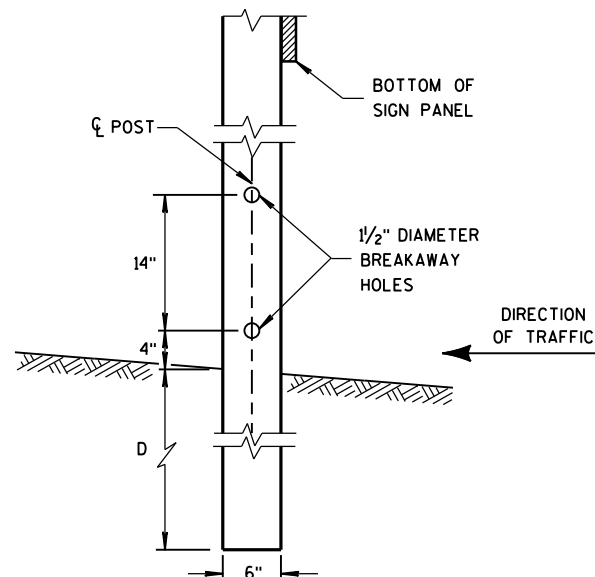


URBAN AREA

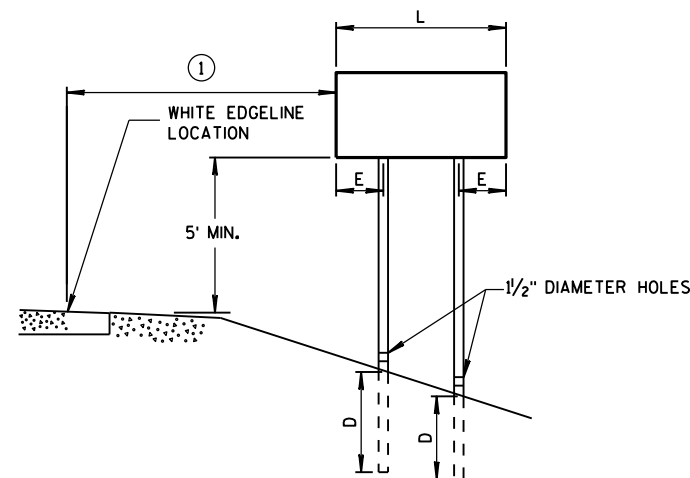
POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST
EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'



4 "x6 " WOOD POST
MODIFICATION



RURAL AREA

4 " X 6 " WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

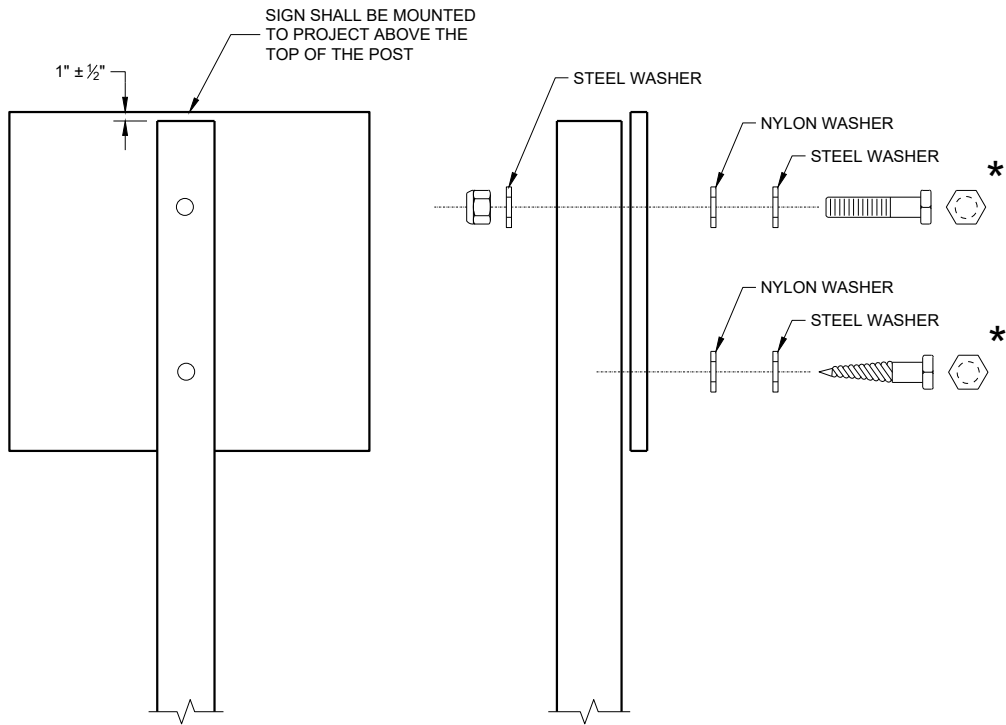
SEE NOTE ③

GENERAL NOTES

- ① 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS
OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD
BE ADJUSTED TO AVOID THE DITCH FLOWLINE.
- ② 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. IF NO SIDEWALK AND NO PARKING,
VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET
OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.
- ③ FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.

TEMPORARY TRAFFIC CONTROL
SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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.

WOOD POST (4" x 6")
LAG SCREWS - 3/8" x 3"
MACHINE BOLTS - 5/16" x 6 1/2" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - 3/8" x 3 1/4" LENGTH W/NUTS
RIVETS - 3/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM
BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH,
GRIP RANGE 0.042 - 0.375 INCH

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 0.080 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER
THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

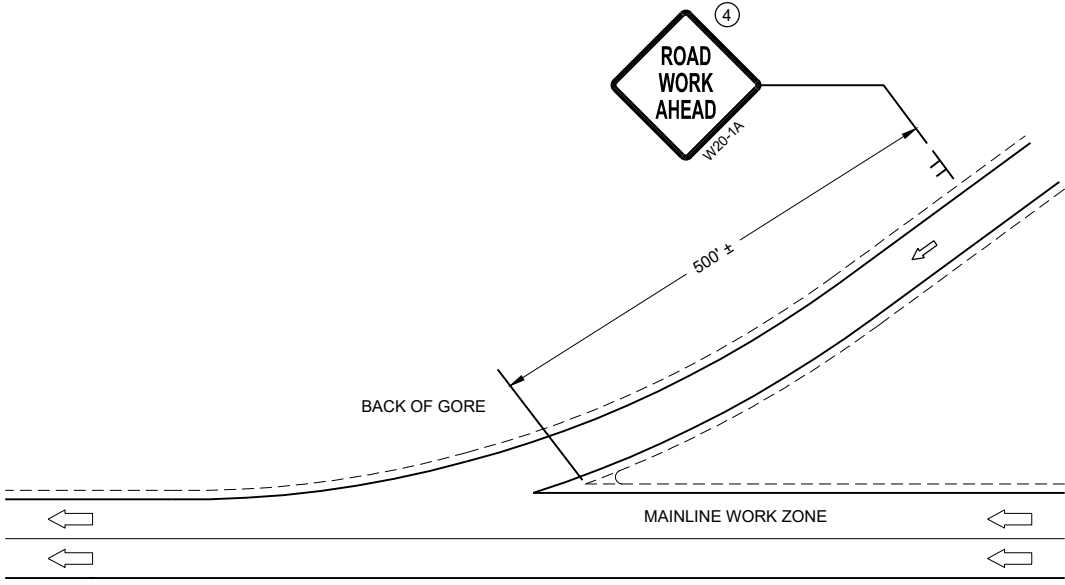
ATTACHMENT OF SIGNS
TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA

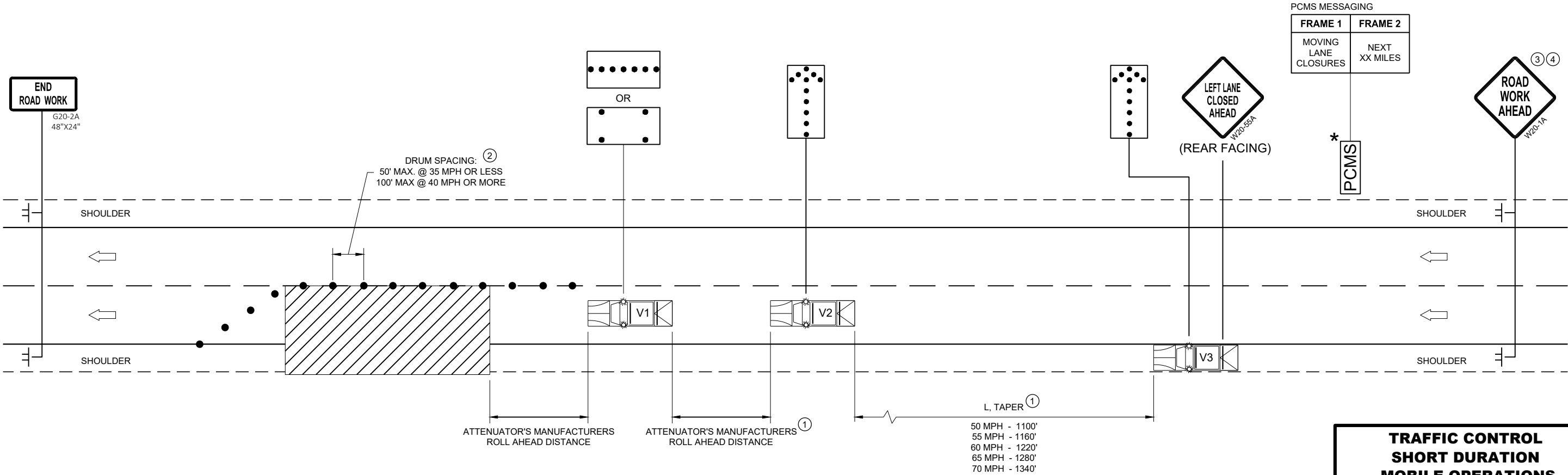
LEGEND

- V1 MARKING VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE
- 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

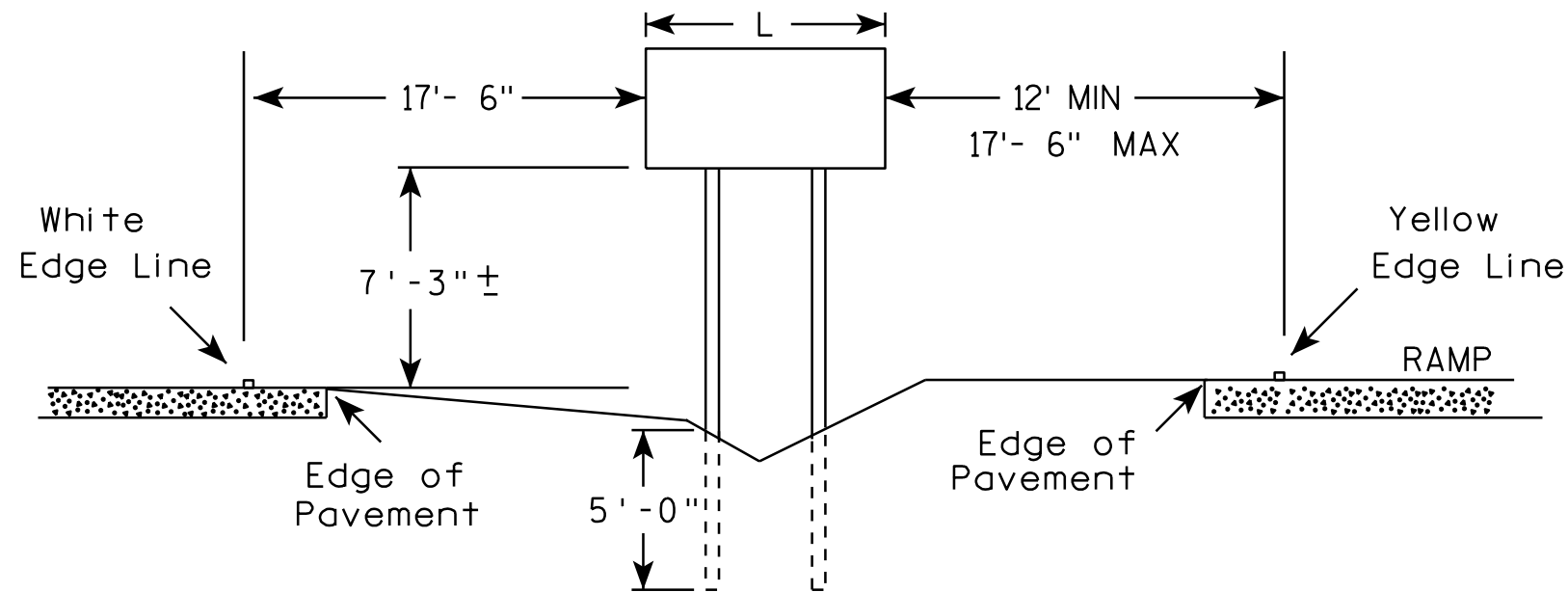
- SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.
- MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.
- ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.
- ALL VEHICLES SHALL BE EQUIPPED 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.
- * PCMS OPTIONAL



TRAFFIC CONTROL
SHORT DURATION
MOBILE OPERATIONS

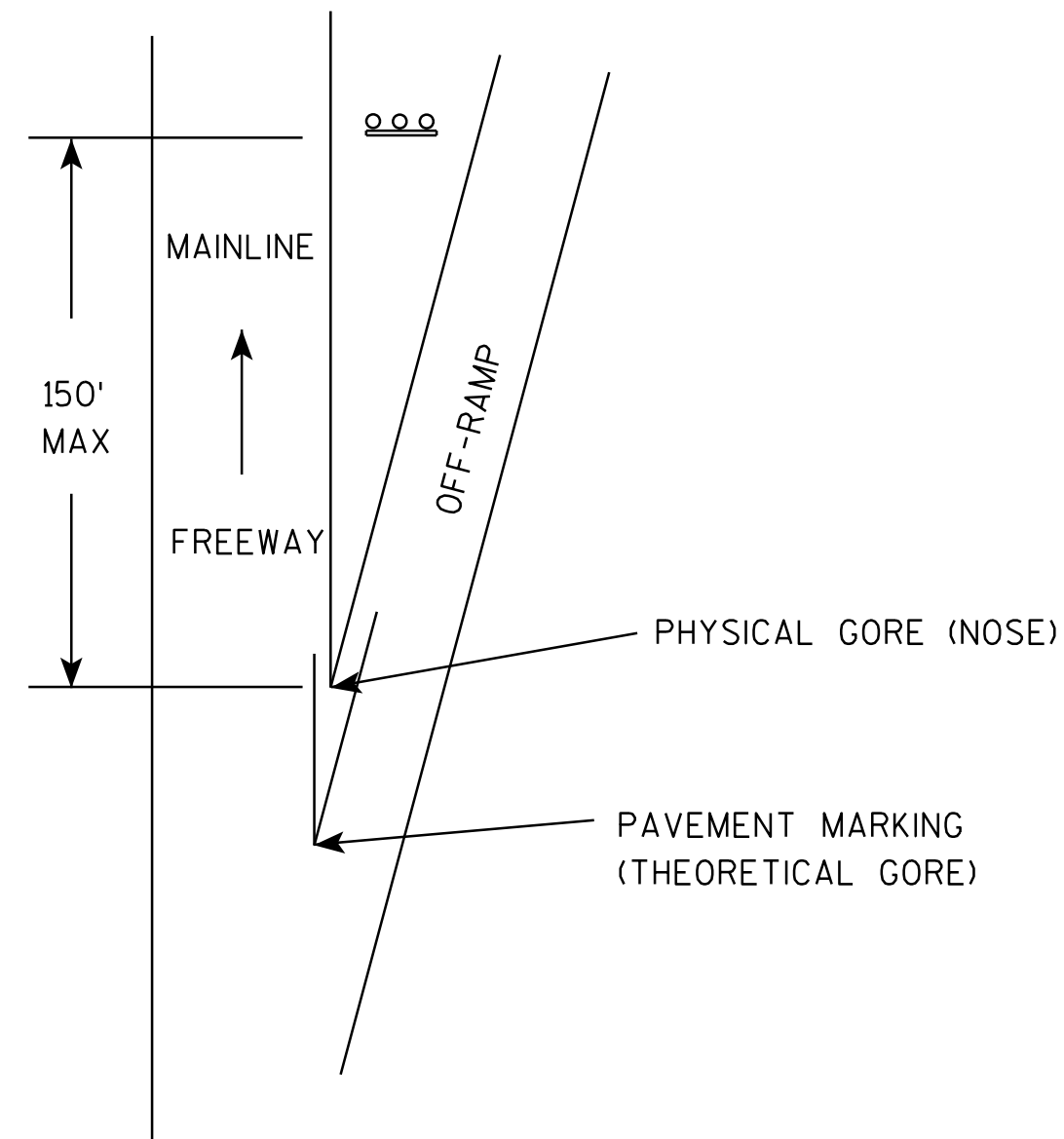
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 /S/ Andrew Heidtke
DATE 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

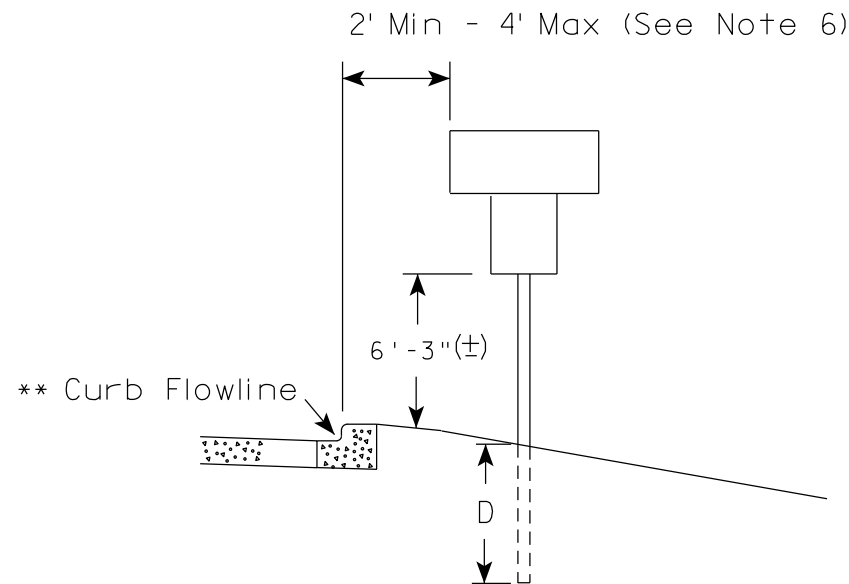
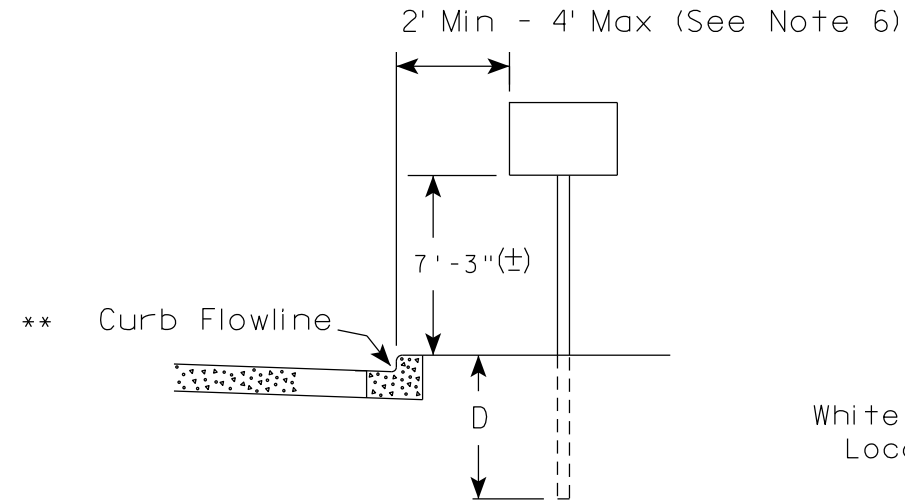
DATE 2/06/14 PLATE NO. A4-2.3

PROJECT NO:

SHEET NO:

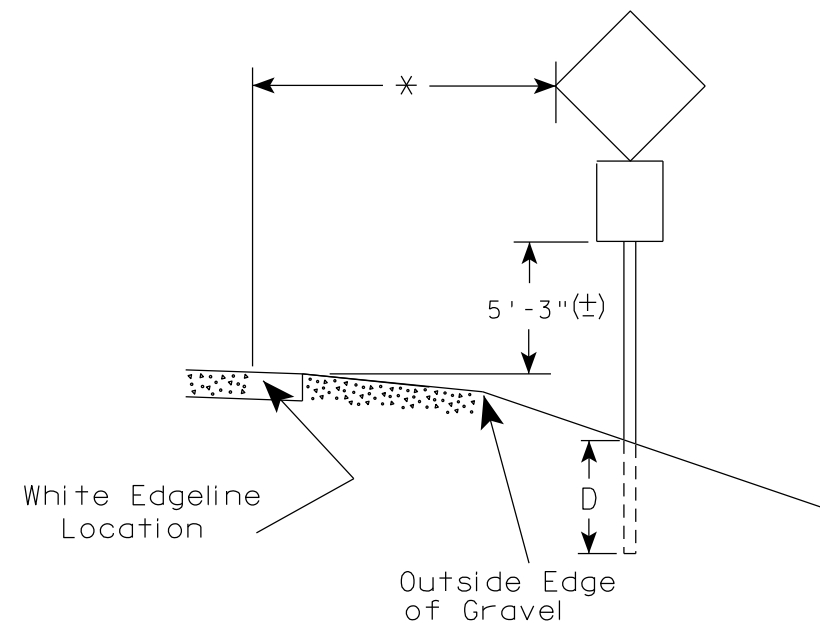
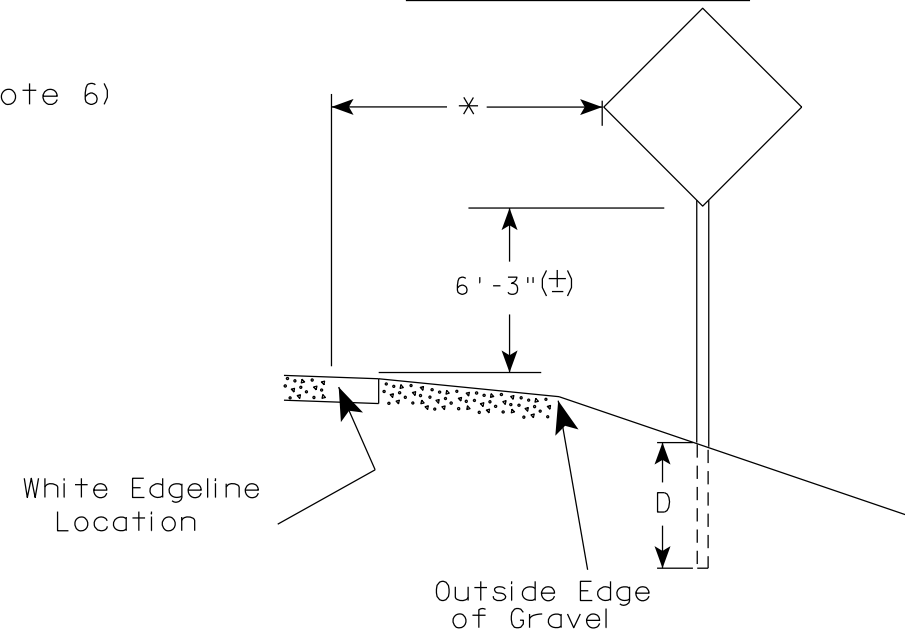
E

URBAN AREA



** 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

- Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 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" (±).
- For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
- Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
- Offset distance shall be consistent with existing signs or consistent throughout length of project.
- The (±) tolerance for mounting height is 3 inches.
- 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

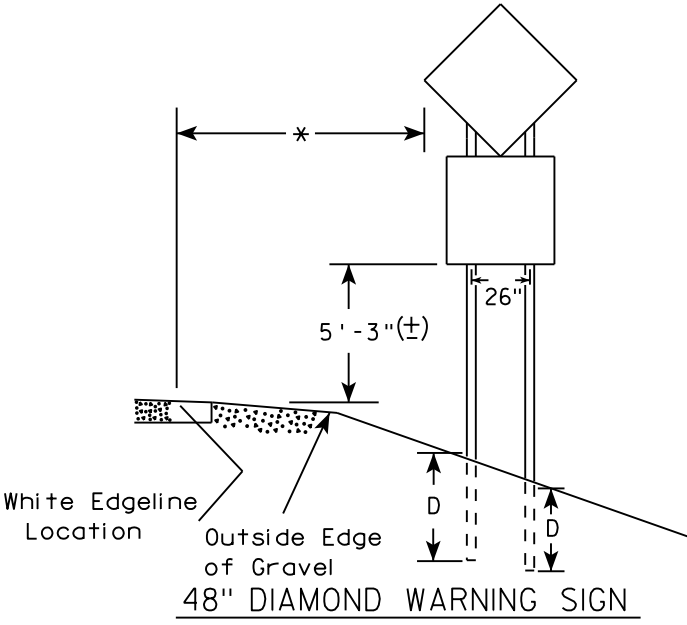
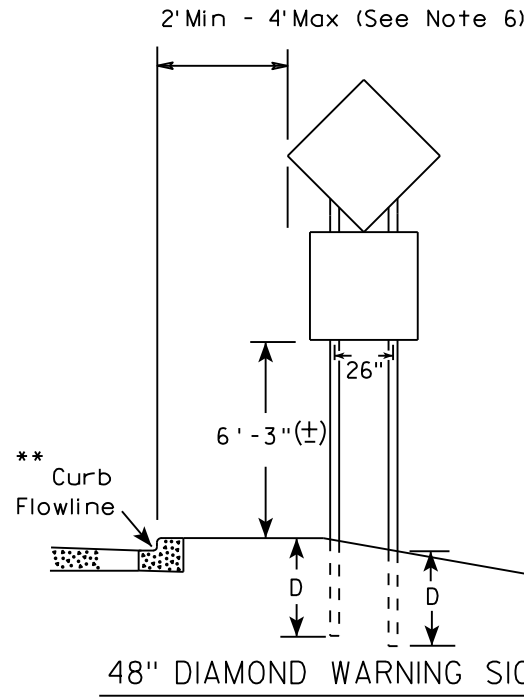
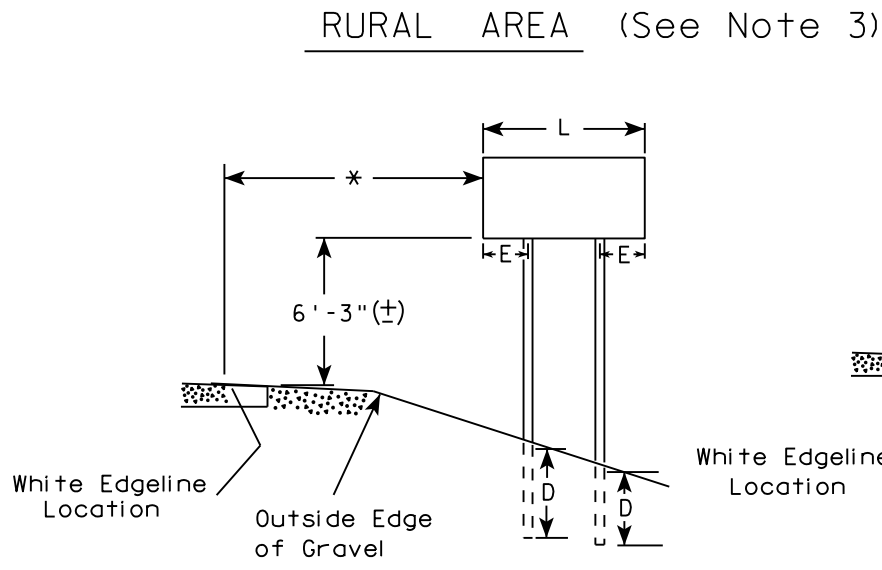
PROJECT NO:

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

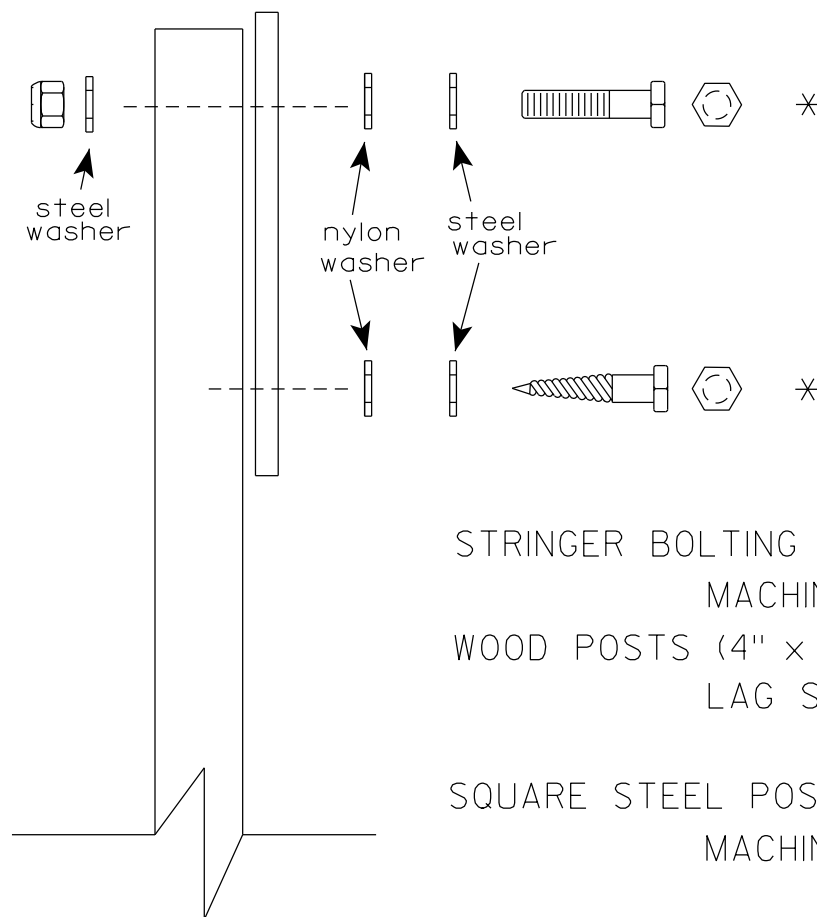
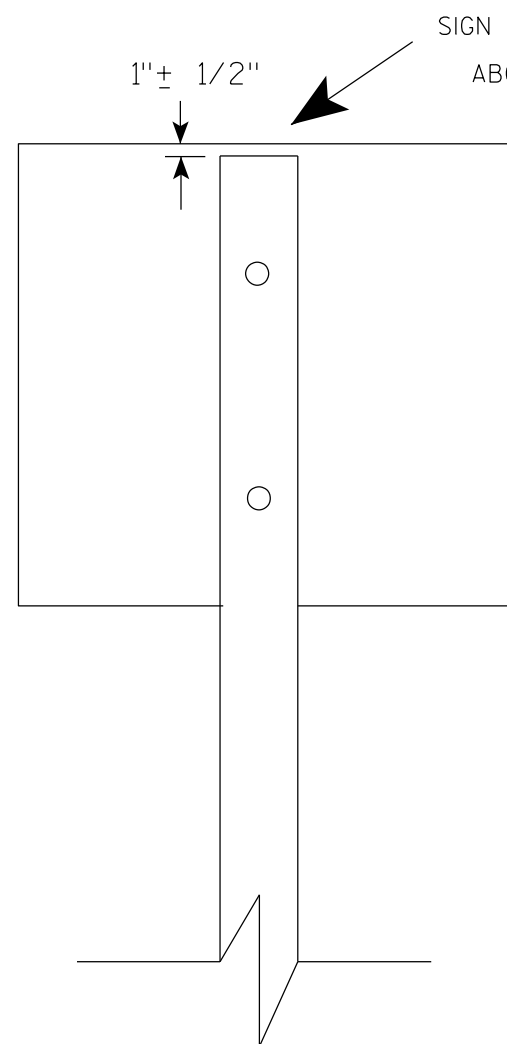
Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

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



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.

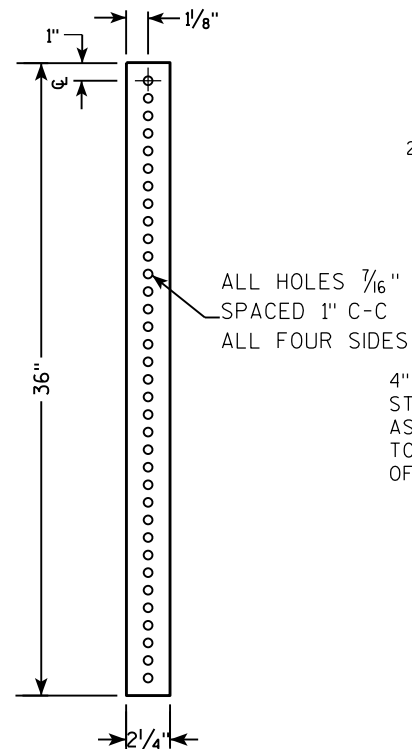
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- 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

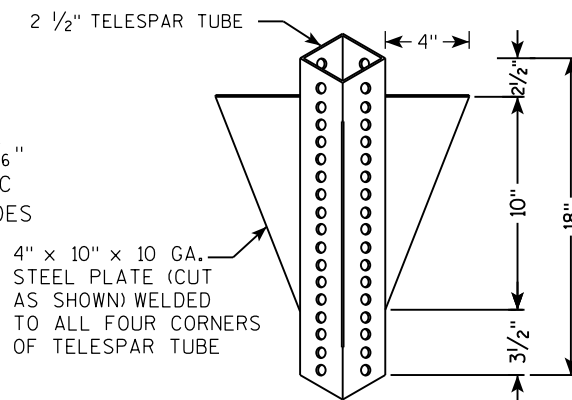
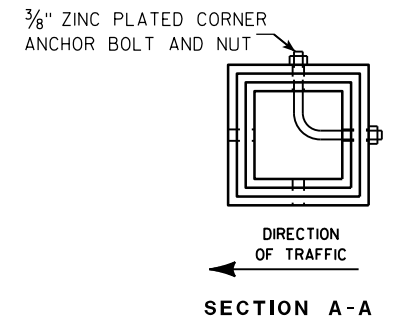
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require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

[illegible][illegible]

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

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthieu R. Rauch

for State Traffic Engineer

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

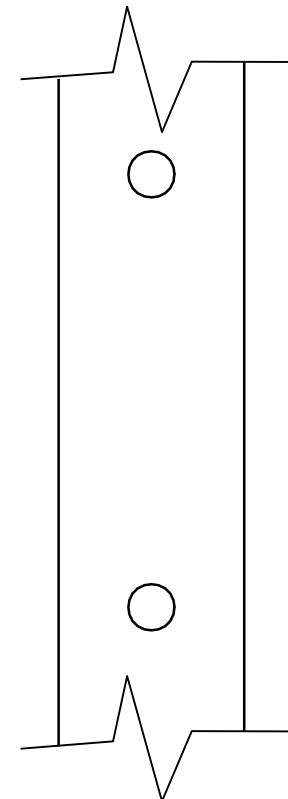
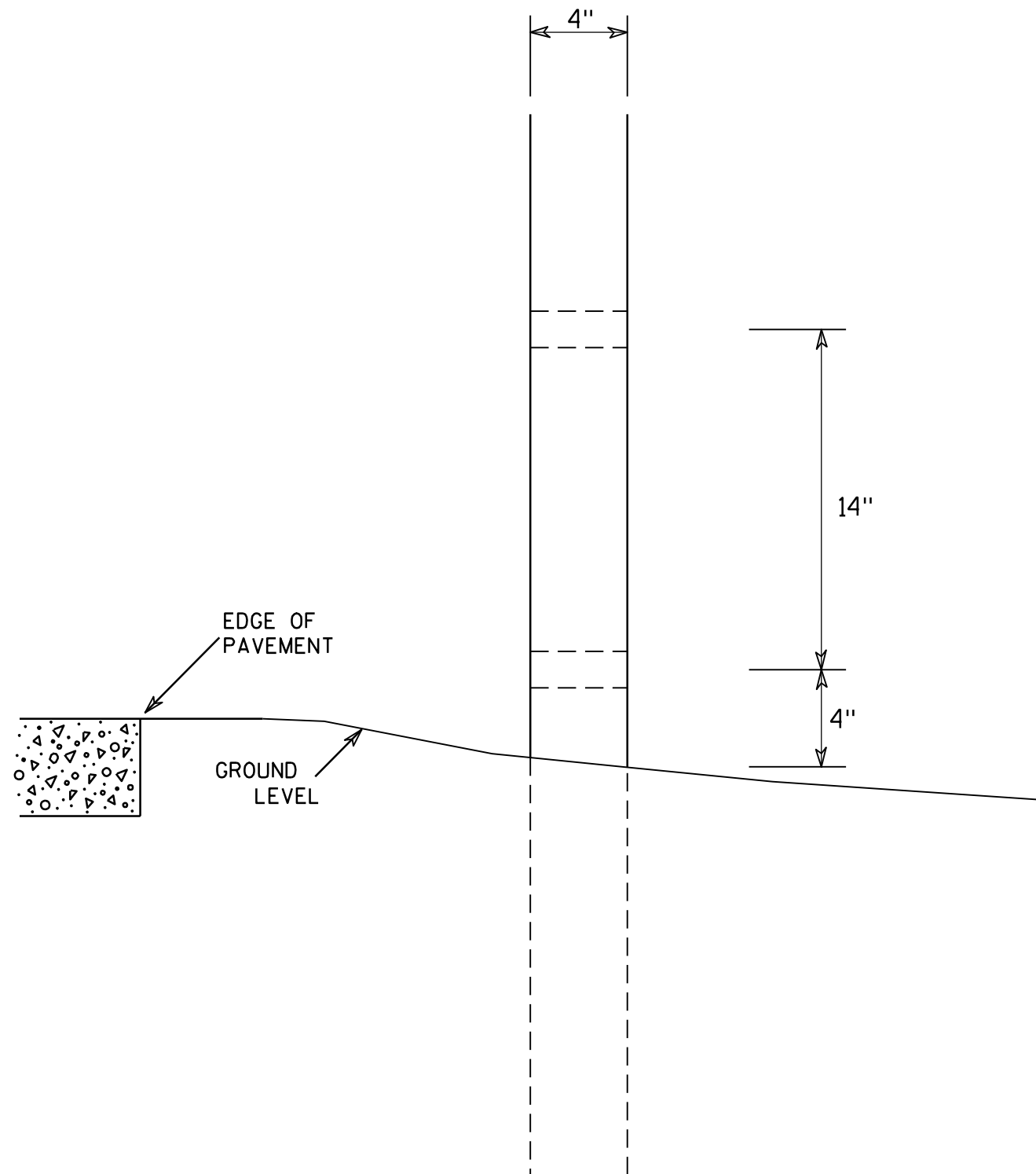
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

11



SIDE VIEW

GENERAL NOTES

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

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:

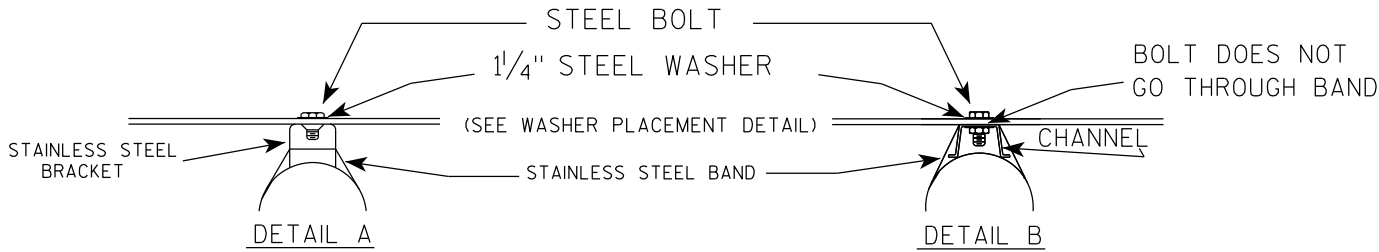
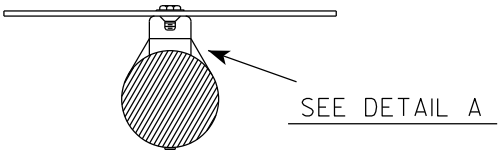
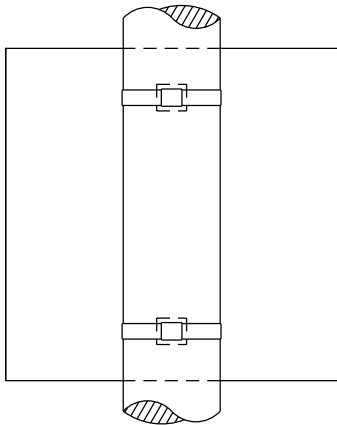
COUNTY:

SHEET NO:

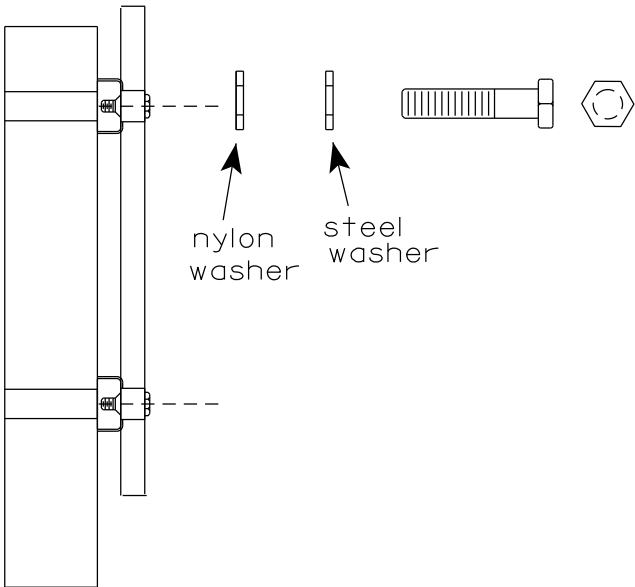
E

BANDING

SINGLE SIGN



WASHER PLACEMENT

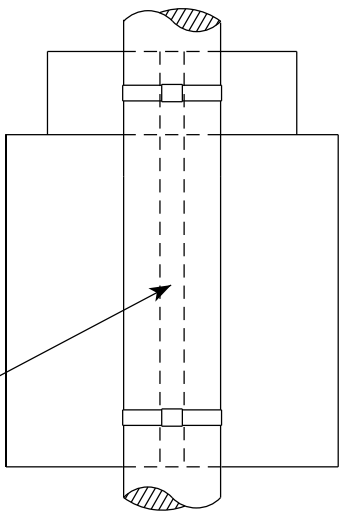


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

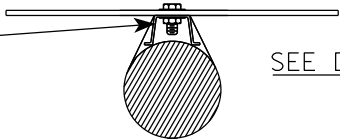
GENERAL NOTES

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



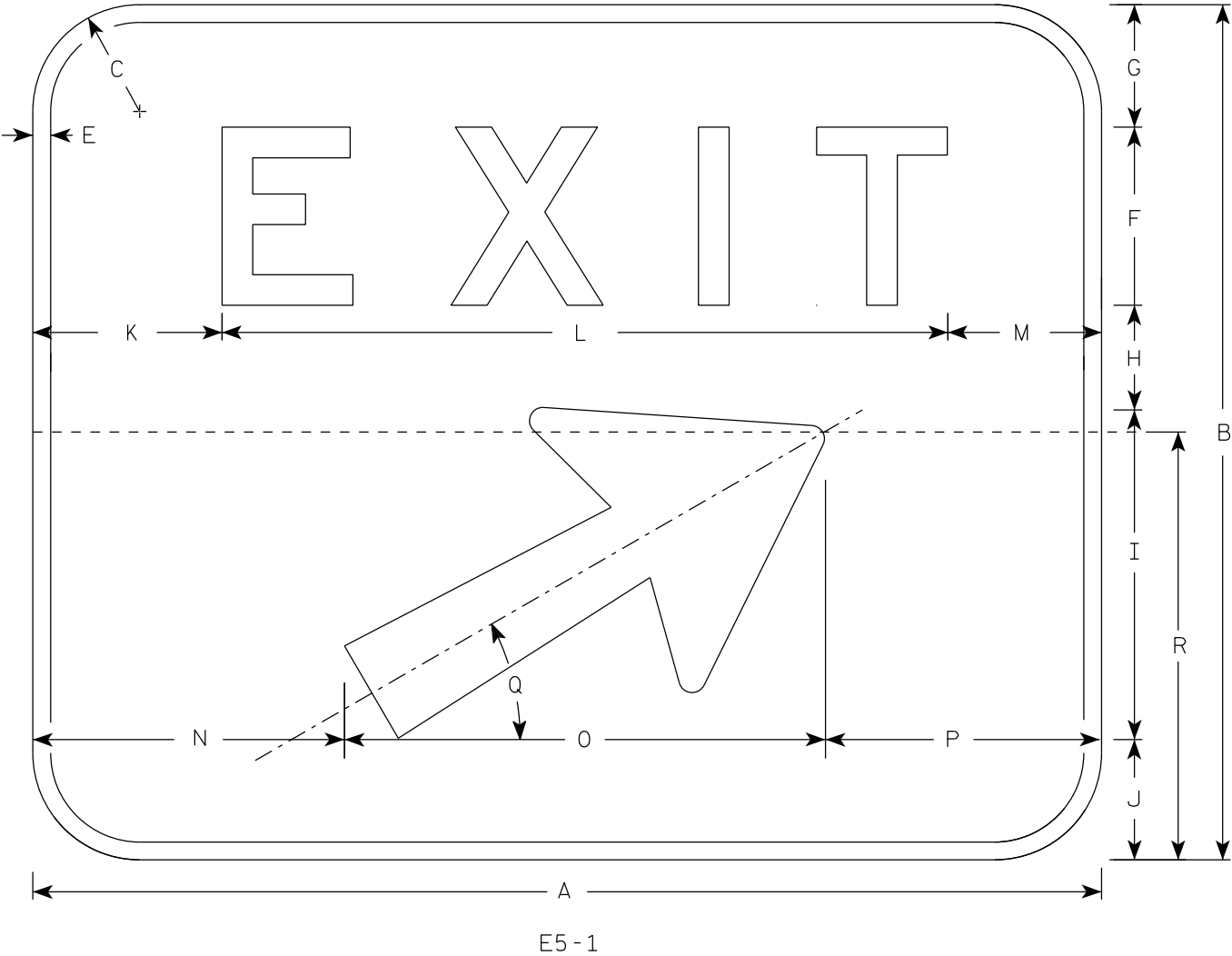
CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET



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



NOTES

- 1. Sign is Type II - Type H reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. When Base material for this sign is plywood sign shall be split into two separate pieces for the 72 x 60 size as shown on the detail by the dashed line (-----).
- 6. Arrow is Type "A" from sign plate A1-1.
- 7. As per the Standard Spec's, this sign shall not have a vertical joint.
- 8. Size 3 E5-1 shall only be used in a Work Zone application with a Temporary Sign Support

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	48	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	8 1/2	31 1/8	8 3/8	11 1/2	27	9 1/2	30°	30									16.0
4	60	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	10 5/8	40 3/4	8 5/8	17 1/2	27	15 1/2	30°	30									20.0
5	72	60	6		1	12	9 3/4	10	18 1/2	9 3/4	13 1/4	48 1/2	10 1/4	23 1/2	27	21 1/2	30°	30									30.0

PROJECT NO:

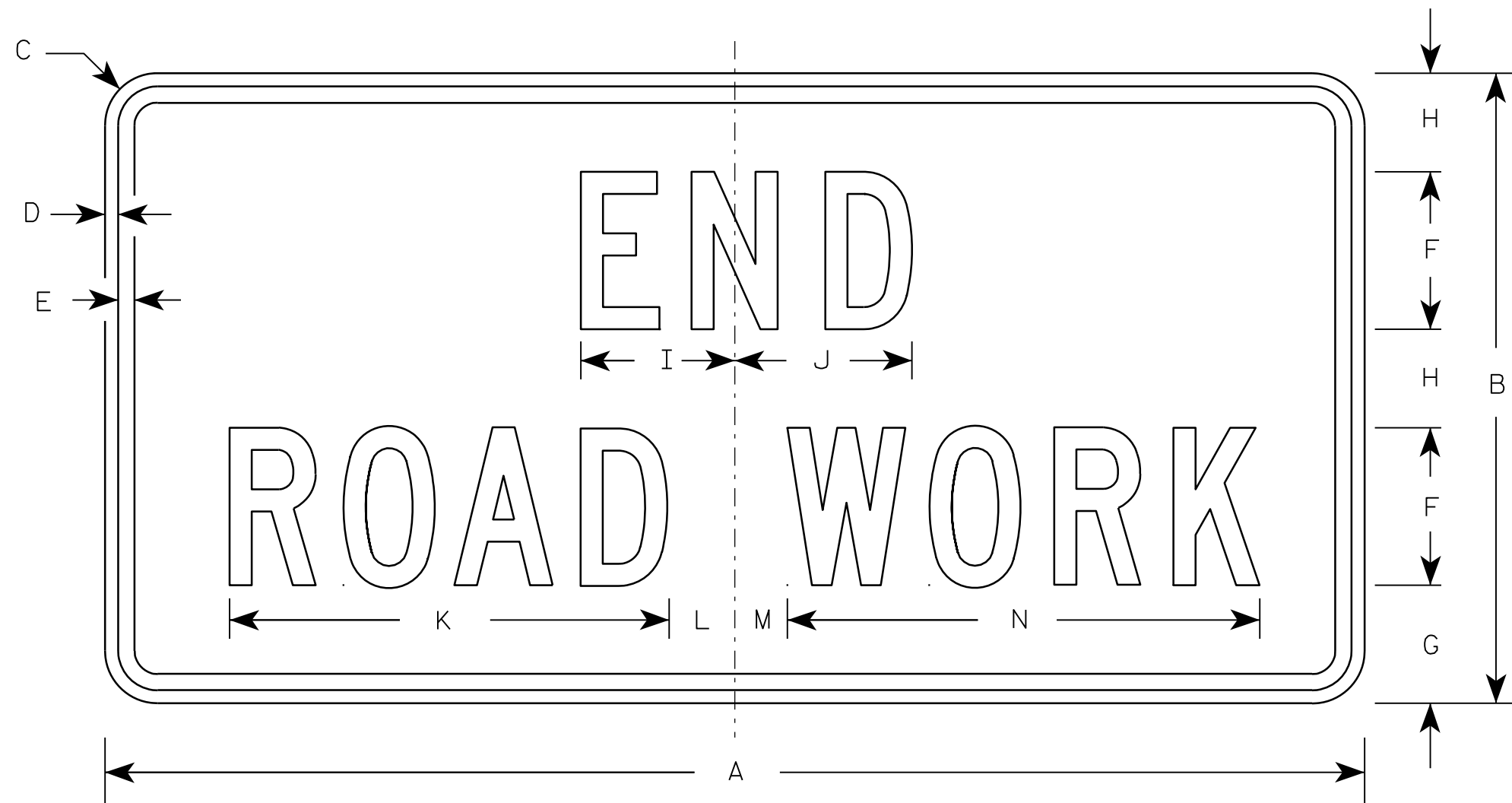
HWY:

COUNTY:

SHEET NO:

E

7



G20-2A

Metric equivalent
for this sign is:

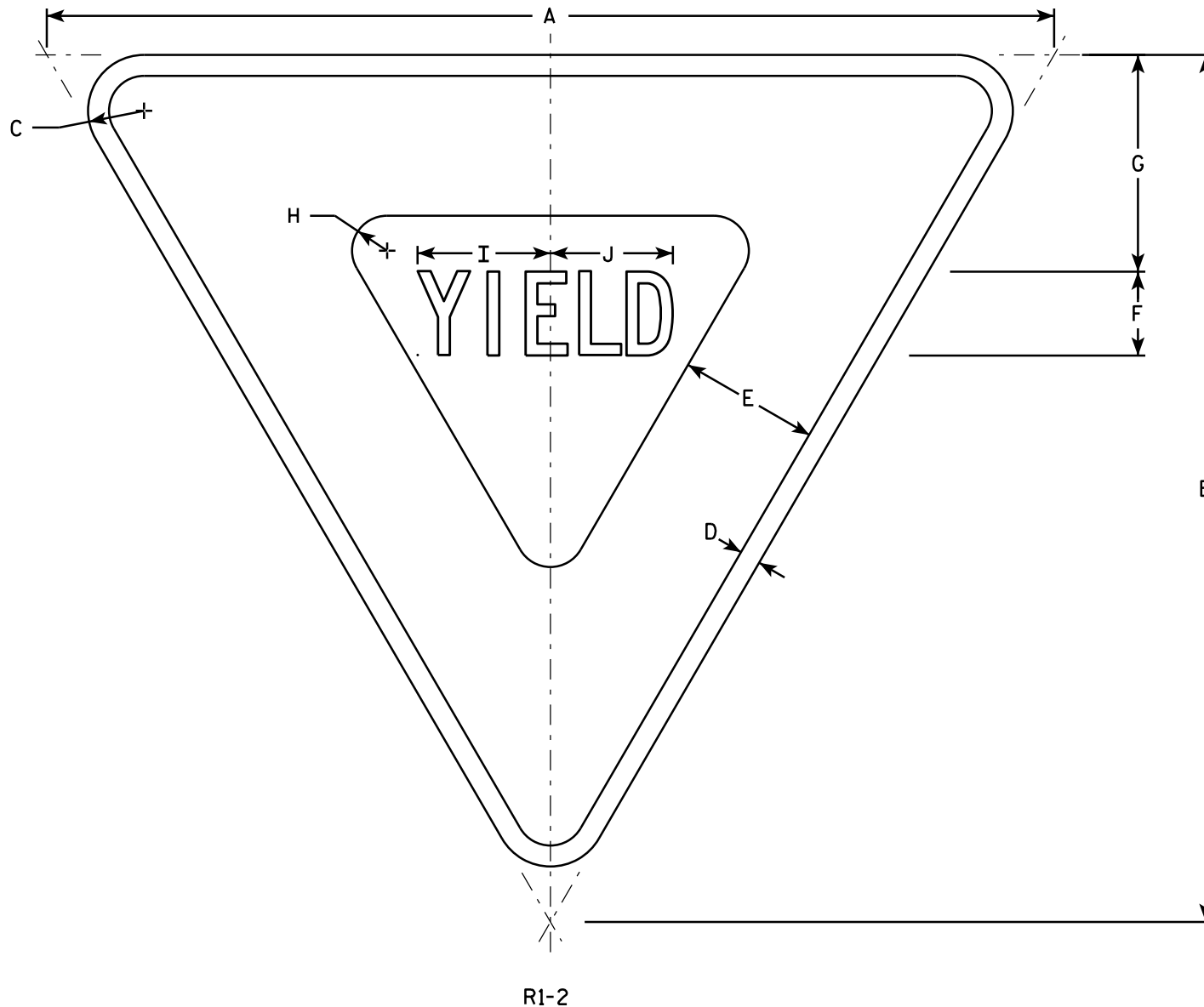
SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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	36	18	1 1/8	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	0.41
2	48	24	1 1/2	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	0.72
3	48	24	1 1/2	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	0.72
4	48	24	1 1/2	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	0.72
5	48	24	1 1/2	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	0.72

NOTES

- Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - Orange
Message - Black
- Message Series - C
- 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



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.

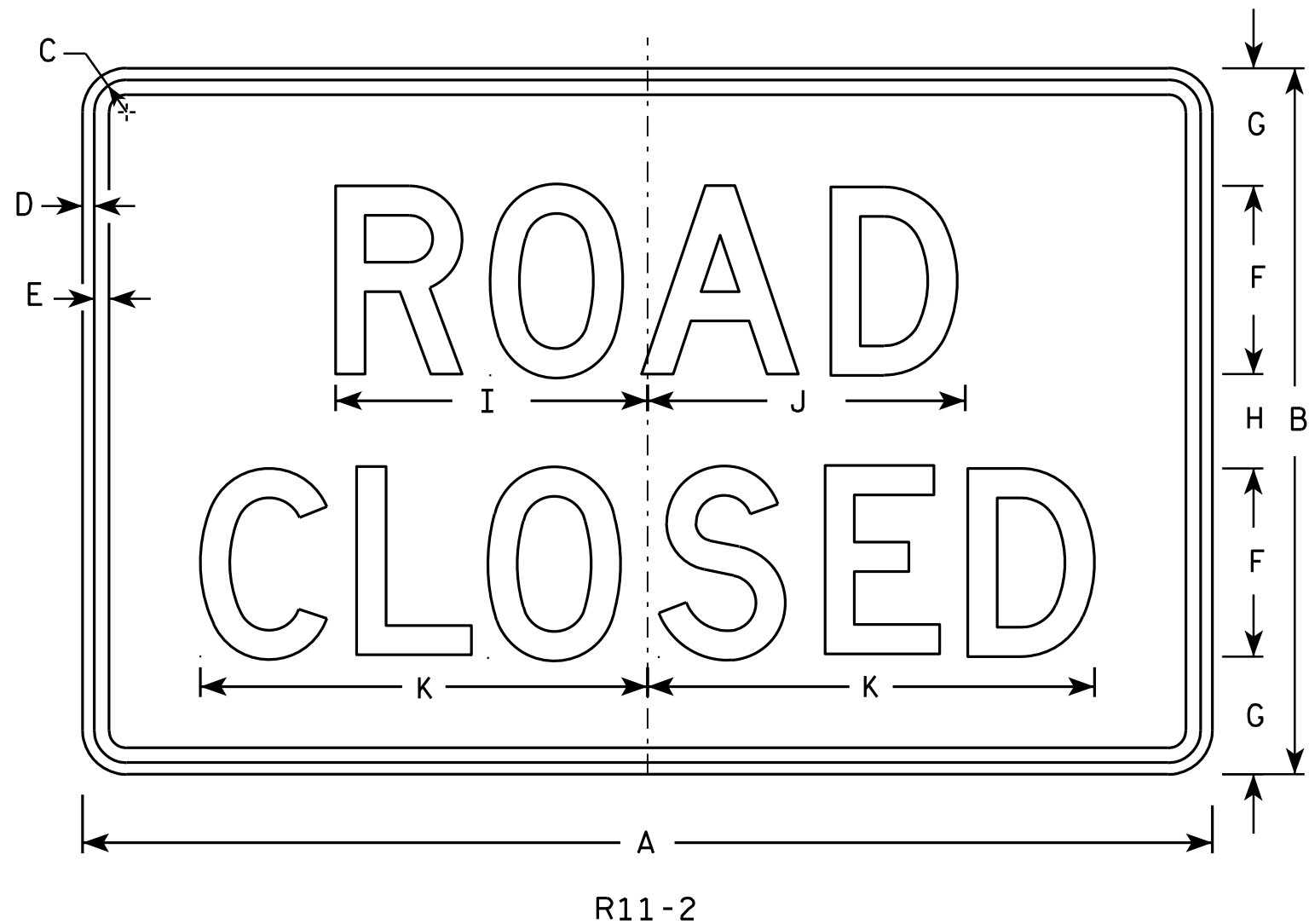
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	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

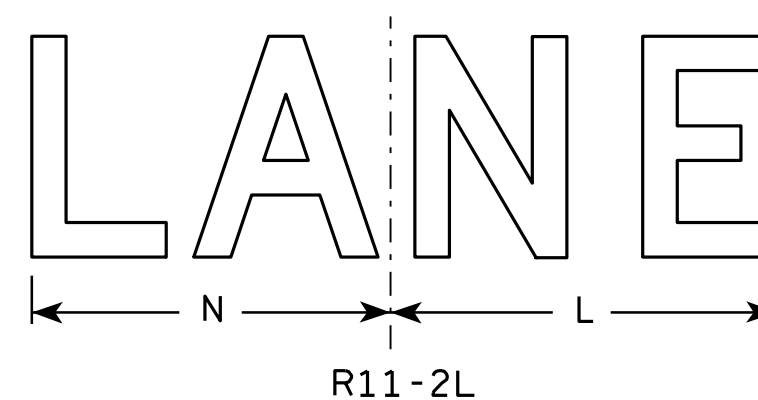
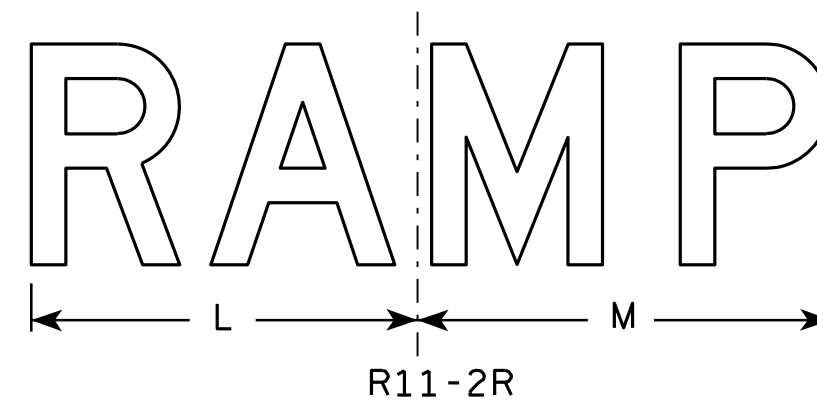
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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



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 - 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.



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 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0
2M	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0
3	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0
4	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0
5	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0

STANDARD SIGN R11-2

WISCONSIN DEPT OF TRANSPORTATION

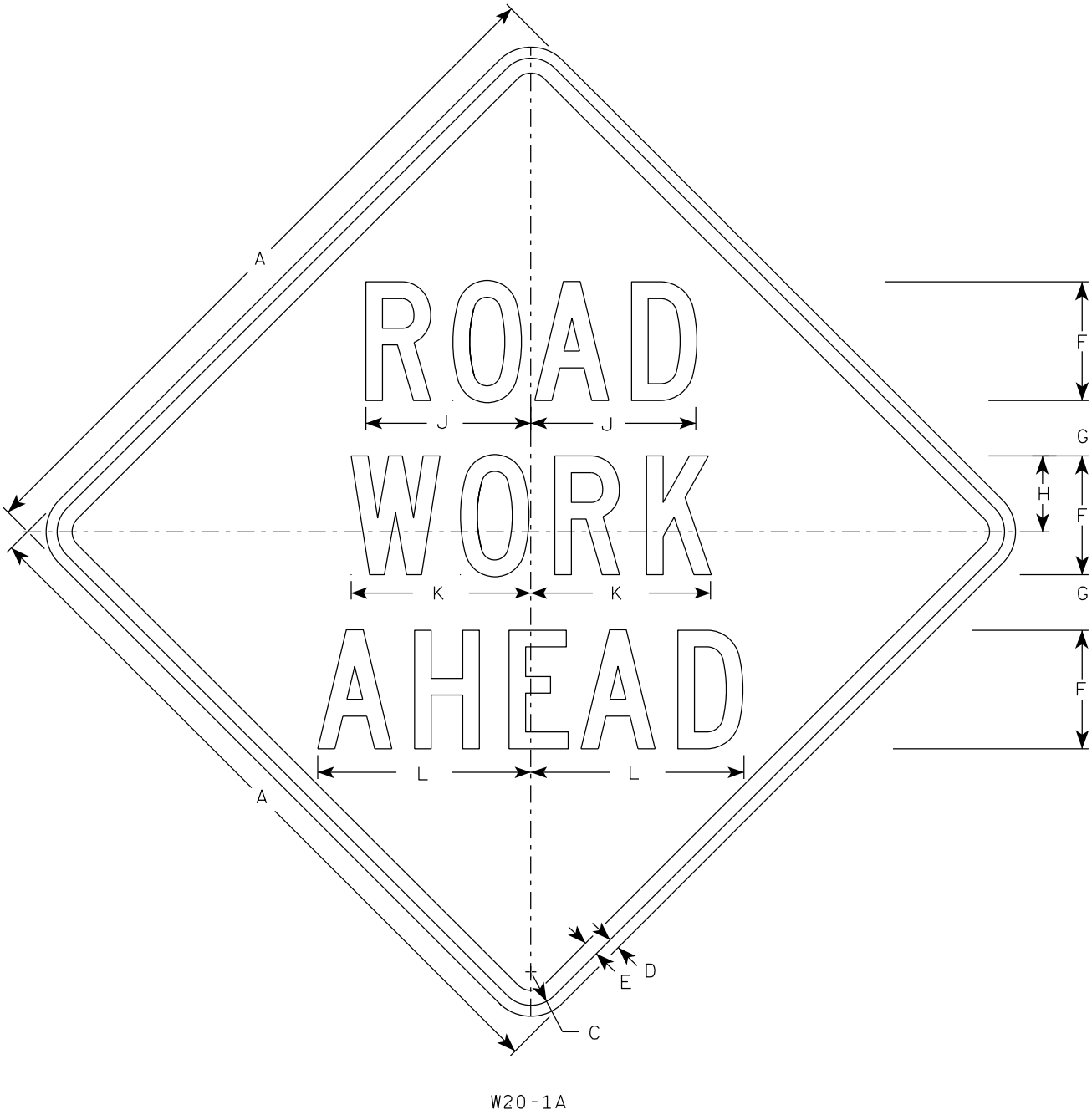
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

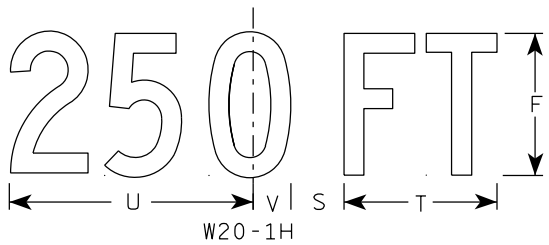
PROJECT NO: HWY: COUNTY: SHEET NO: E

NOTES

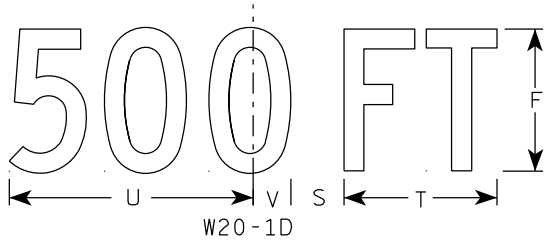
1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



W20-1H



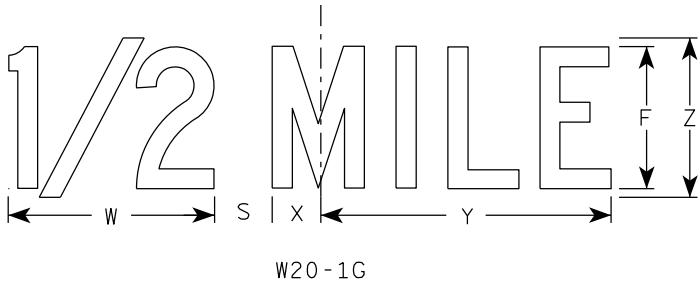
W20-1D



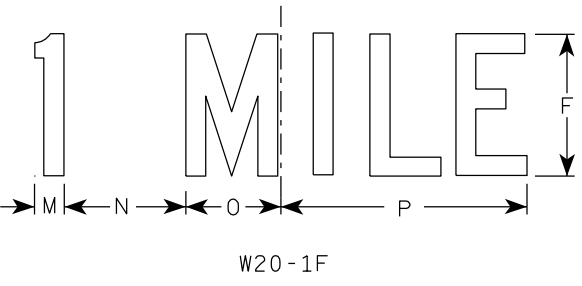
W20-1C



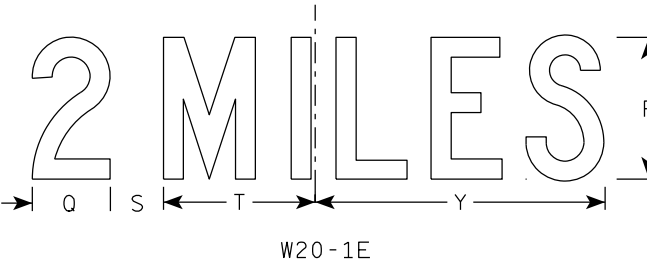
W20-1B



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	A _{req} sq. ft.
1	36		1 5⁄8	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		2 1⁄4	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		2 1⁄4	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		2 1⁄4	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		2 1⁄4	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		2 1⁄4	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

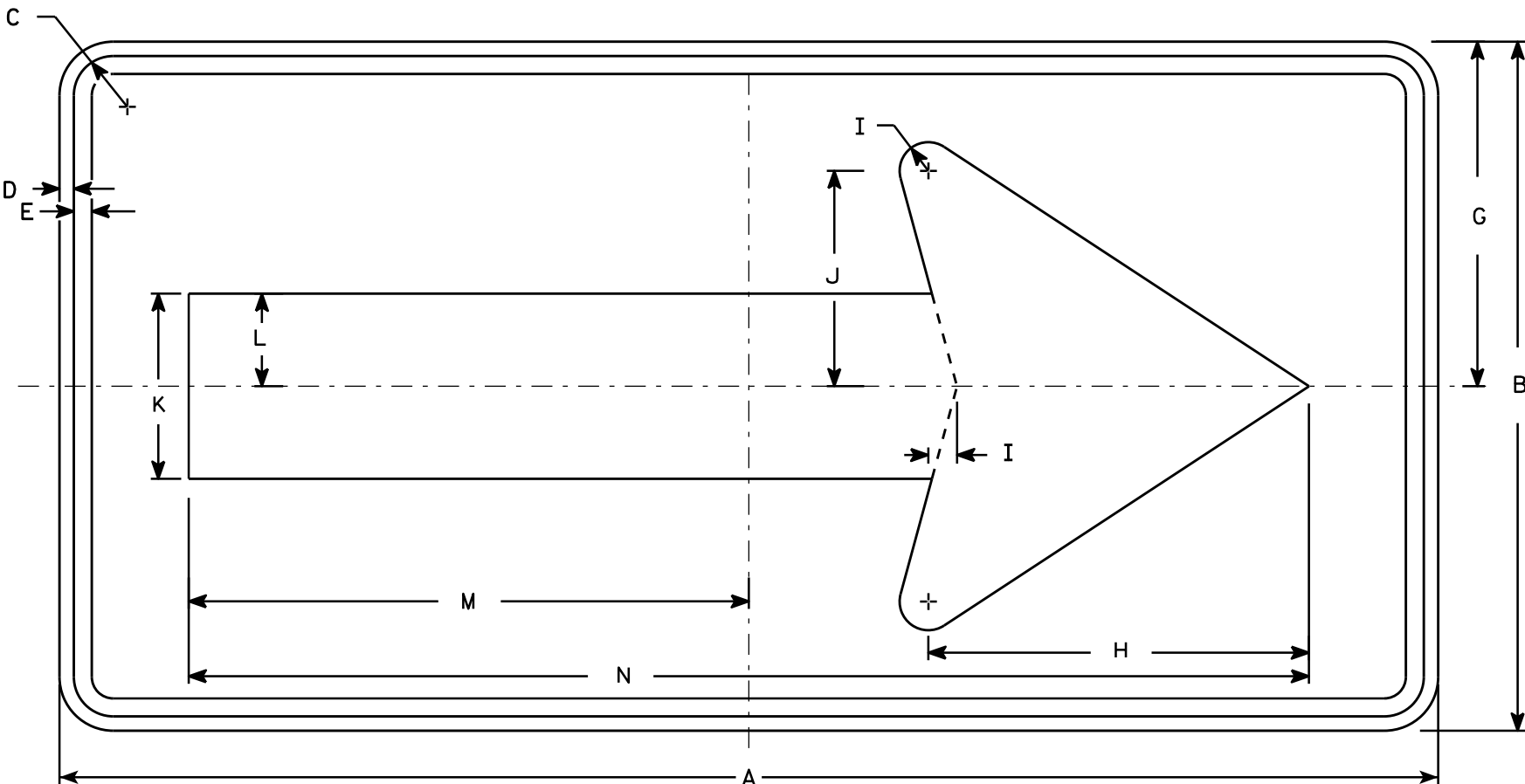
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

NOTES

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



W01-6

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 3⁄8	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 3⁄8	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 3⁄8	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 3⁄8	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 3⁄8	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

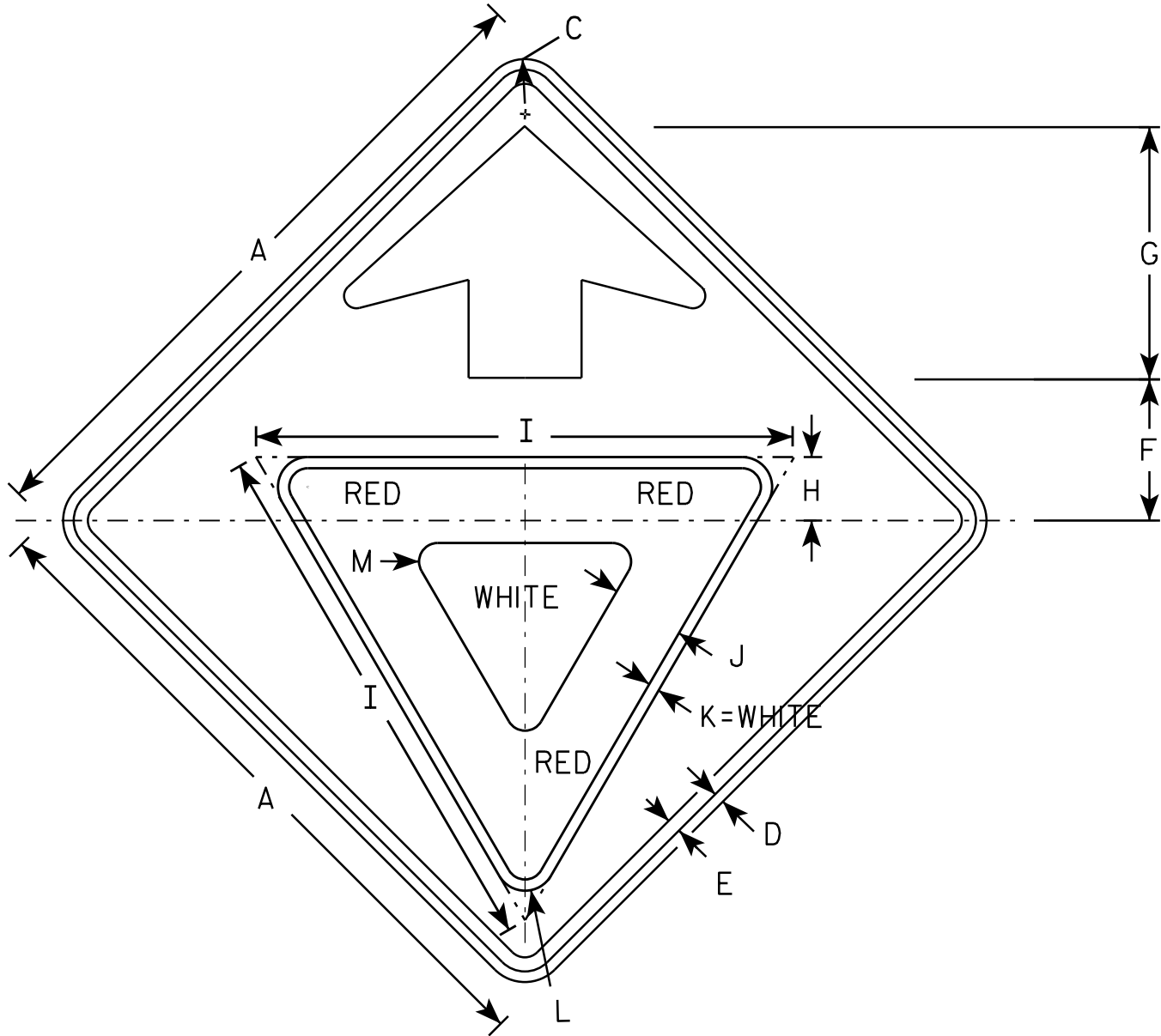
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

DATE 11/18/13

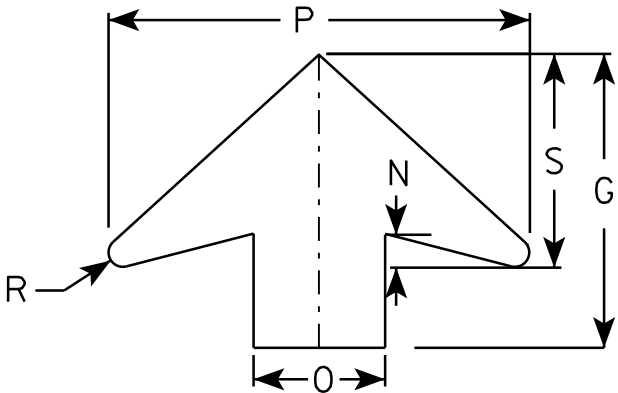
PLATE NO. W01-6.1



W03-2

NOTES

- 1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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		1 5⁄8	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		2 1⁄4	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		2 1⁄4	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		2 1⁄4	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		2 1⁄4	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		2 1⁄4	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 11/20/13

PLATE NO. W03-2.1



Wisconsin Department of Transportation

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