STANDARD ABBREVIATIONS

ABUTMENT AGGREGATE ASPHALTIC AVERAGE ABUT AGG ASPH AVG AADT

ANNUAL AVERAGE DAILY TRAFFIC

BACK FACE BASE LINE BENCH MARK BL BM BLK BLOCK

BLK
BR
CL or C/L
CC
CH
CH BRG
CONC
CO
CTH
CR
CR
CABC
CY or CUYD
CP CENTER LINE
CENTER TO CENTER
CHORD
CHORD BEARING CONCRETE

COUNTY
COUNTY TRUNK HIGHWAY
CREEK
CRUSHED
CRUSHED AGGREGATE BASE COURSE CUBIC YARD CULVERT PIPE

C&G D DHV DIA DWY CURB AND GUTTER
DEGREE OF CURVE
DESIGN HOUR VOLUME
DIAMETER

DRIVEWAY EASTBOUND FLECTRIC

EB
ELEC
EL OF
ESALS
EXC
EBS
EXP
FF
FG
FAB ELEVATION EQUIVALENT SINGLE AXLE LOADS ELEV EXCAVATION EXCAVATION BELOW SUBGRADE EXCAVATION BELOW SUBGRADE EXPANSION FACE TO FACE OR FRONT FACE FIELD ENTRANCE FINISH GRADE FLASHING ARROW BOARD

FL or F/L Flow FT FTG FTMS FLOW LINE

FOOT FOOTING FREEWAY TRAFFIC MANAGEMENT SYSTEM

HT HES CWT HEIGHT HIGH EARLY STRENGTH IRON PIPE OR PIN LEFT LINEAR FOOT LUMP SUM LT LIN FT or LF LS MH MANHOLE MATCH LINE MESSAGE BOARD NOMINAL NORTH or M/L

NORTHBOUND
POINT OF CURVATURE
POINT OF INTERSECTION
POINT OF TANGENCY
PORTLAND CEMENT CONCRETE
PRIVATE ENTRANCE
PADULS

REFERENCE LINE RIGHT-OF-WAY ROAD SHOULDER SIDEWALK SHLDR SW SIDEWALK SOUTH SOUTHBOUND SPECIFICATIONS SQUARE FEET SQUARE YARD

SB SPECS SP OF SQ FT SY OF SQ YD SDD STH STA SE TEL UG VC VPI W WB

SQUARE YARD
STANDARD DETAIL DRAWINGS
STATE TRUNK HIGHWAYS
STATION
SUPERELEVATION
TELEPHONE
UNDERGROUND VERTICAL CURVE VERTICAL POINT OF INTERSECTION
WEST

WESTBOUND

UTILITY CONTACTS

cdonahue@att.com

CARL DONAHUE AT&T LEGACY - COMMUNICATION LINE 866 ROCK CREEK RD PLANO, IL 60545 (847) 420-9115

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DAVID DRYER CITY OF MADISON ENGINEERING - STREET LIGHTING 215 MARTIN LUTHER KING JR BLVD P.O. BOX 2986

MADISON, WI 53701-2986 (608) 266-6546 traffic@cityofmadison.com

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JASON HOGAN ALLIANT ENERGY - ELECTRICITY SUITE 1000 4902 N BILTMORE LANE MADISON, WI 53718 (608) 395-7395 jasonhogan@alliantenergy.com

BRANDON STORM CHARTER COMMUNICATIONS - COMMUNICATION LINE 2701 DANIELS ST. MADISON, WI 53718 (608) 274-3822 brandon.storm@chartercom.com

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P.O. BOX 1231
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(608) 252-4708 tstatz@mae.com

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433 W. ST. PAUL AVE STE 300
MILWAUKEE, WI 53203-3007
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donald.schell@dot.wi.gov

GENERAL NOTES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE APPROXIMATE USGS DATUM.

WHEN THE QUANTITY OF BASE AGGREGATE OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE, THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

CURVE DATA IS BASED ON THE ARC DEFINITION.

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOILED AND SEEDED AND COVERED WITH EROSION MAT.

BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS TO THE NEAREST SECOND.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.

IF REQUIRED TO MATCH THE EXISTING THICKNESS OF PAVEMENT, A LOWER LIFT OR LEVELING COURSE OF PAVEMENT WILL BE PAID AS ASPHALTIC SURFACE.

ASPHALTIC SURFACE QUANTITIES WERE ESTIMATED BASED ON A UNIT WEIGHT OF 112 LB/SY IN.

ADJUSTMENTS TO PLAN HEIGHTS OF PROPOSED BEARINGS OR PERMANENT CRIBBING SHALL BE THE CONTRACTORS RESPONSIBILITY AND CONSIDERED INCIDENTAL TO THE RESPECTIVE BID ITEMS.



CONSULTANT CONTACT

CORRE, INC. 6510 GRAND TETON PLAZA, SUITE 314 MADISON, WI 53719 CHRIS NIES, P.E. 608-828-1011 cnies@correinc.com

DNR CONTACT

WISCONSIN DNR, SOUTH CENTRAL REGION WISCUNSIN DINK, SOUTH CENTRA ERIC HEGGELUND 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711 OFFICE: (608) 275-3301 Eric.Heggelund@Wisconsin.gov

RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
		Α			В С		,	D				
	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SL0PE	RANGE	E (PERCENT
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08	.16 .30	.22	.12	.20 .34	.27	.15	.24 .37	.33 .50	.19	.28	.38
MEDIAN STRIP- TURF	.19 .24	.20	.24	.19	.22	.26 .33	.20	.23	.30 .37	.20 .27	.25 .32	.30
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30
PAVEMENT:				I					I			
ASPHALT						.7095						
CONCRETE	.8095											
BRICK						.7080						
DRIVES, WALKS						.7585						
ROOFS						.7595						
GRAVEL ROADS,	SHOULDE	ERS				.4060						

TOTAL PROJECT AREA = 0.03 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.10 ACRES

PROJECT NO: 1011-04-78 HWY: IH 39 COUNTY: DANE

PLOT DATE: 4/6/2015 9:41 AM

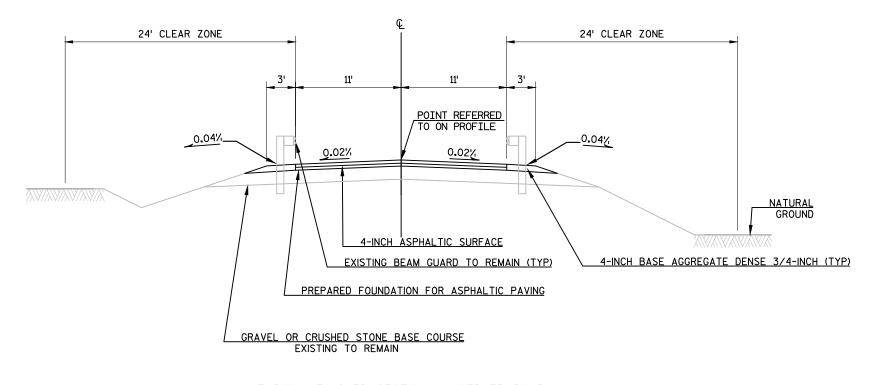
GENERAL NOTES:

HOEPKER ROAD

SHEET

Ε

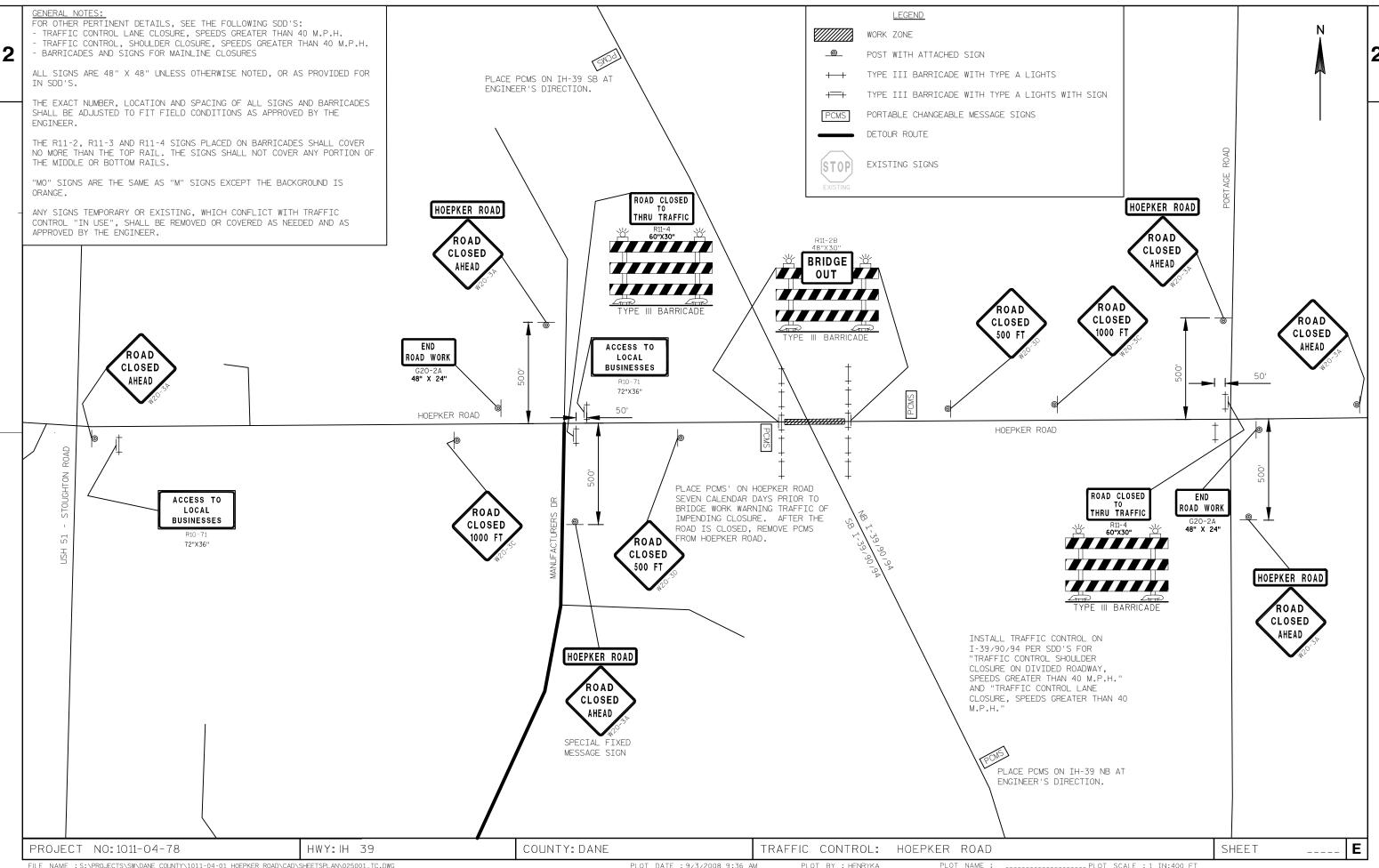
TYPICAL EXISTING SECTION - HOEPKER ROAD STA 15+30.00 - STA 18+10.00

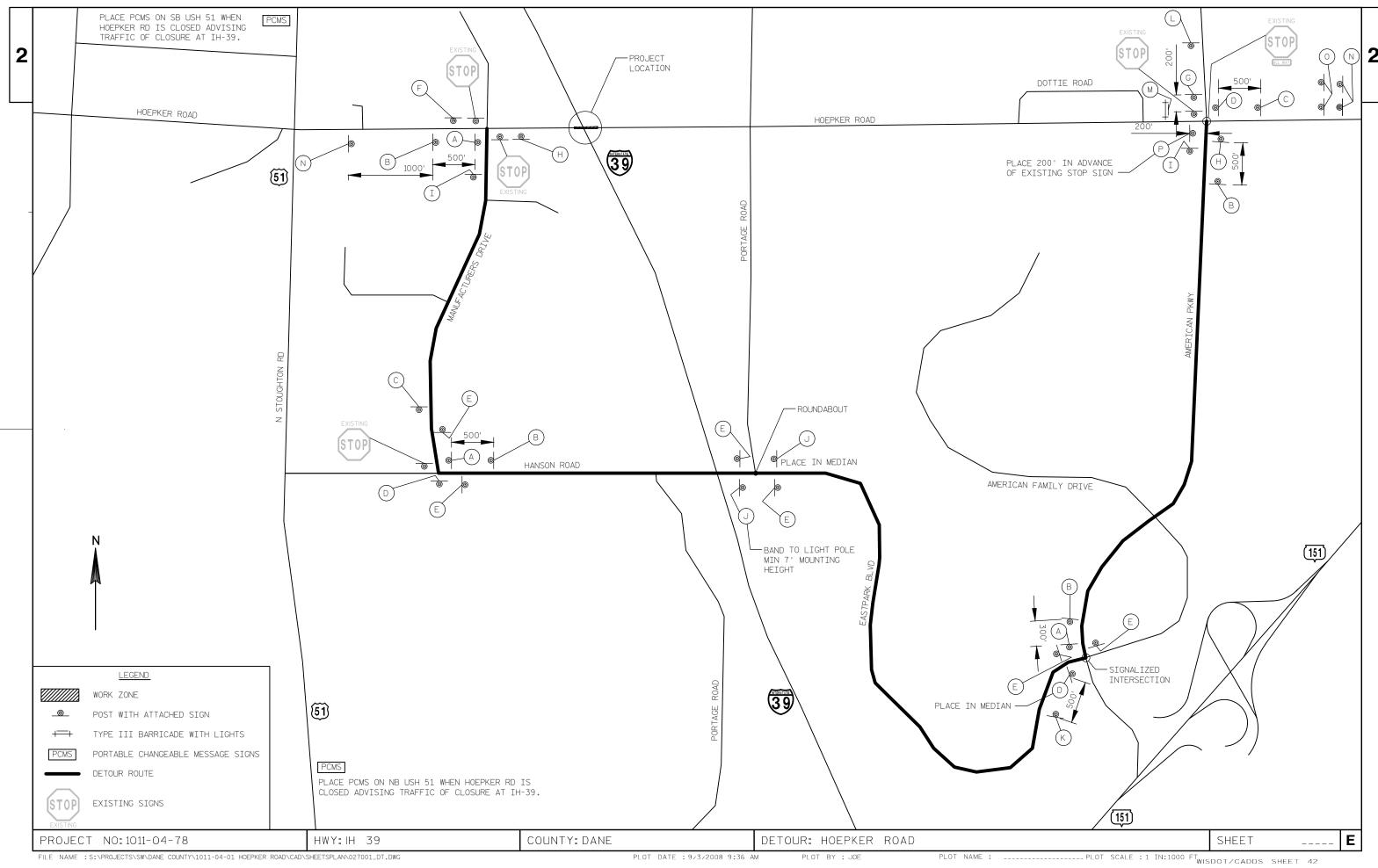


TYPICAL FINISHED SECTION - HOEPKER ROAD STA 15+30.00 - STA 18+10.00

COUNTY: DANE Ε PROJECT NO:1011-04-78 TYPICAL SECTIONS: HOEPKER ROAD SHEET HWY: IH 39 FILE NAME : S:\PROJECTS\SW\DANE COUNTY\1011-04-01 HOEPKER ROAD\CAD\SHEETSPLAN\020301_TS.DWG PLOT NAME : PLOT DATE: 1/21/2015 8:53 AM PLOT BY : HENRYKA PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 42





GENERAL NOTES:

FOR OTHER PERTINENT DETAILS, SEE THE FOLLOWING SDD'S:

- TRAFFIC CONTROL LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.
- TRAFFIC CONTROL, SHOULDER CLOSURE, SPEEDS GREATER THAN 40 M.P.H.

- BARRICADES AND SIGNS FOR MAINLINE CLOSURES

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED, OR AS PROVIDED FOR IN SDD'S.

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

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"MO" SIGNS ARE THE SAME AS "M" 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 AND AS APPROVED BY THE ENGINEER.

LEGEND:

SPECIAL FIXED MESSAGE SIGN

A DETOUR
M4-8
24" X 12"

HOEPKER ROAD

M06-1(R

M06-1(R 21"X21"

B DETOUR
M4-8
24" X 12"

HOEPKER ROAD SPECIAL FIXED MESSAGE SIGN

M05-1(R) 21"X21"

DETOUR

M4-8
24" X 12"

HOEPKER ROAD SPECIAL FIXED MESSAGE SIGN

4

M05-1(L 21"X21"

> DETOUR M4-8 24" X 12"

HOEPKER ROAD SPECIAL FIXED MESSAGE SIGN

M06-1(L)

E DETOUR

24" X 12"
HOEPKER ROAD

SPECIAL FIXED MESSAGE SIGN

DETOUR

M4-8
24" X 12"

EAST

M3-2
24"X12"

HOEPKER ROAD

SPECIAL FIXED
MESSAGE SIGN

MO6-I(A)
21"X21"

G DETOUR

M4-8
24" X 12"

WEST

M3-4
24" Y 12"

HOEPKER ROAD SPECIAL FIXED MESSAGE SIGN

M06-1(A 21"X21"

END DETOUR M4-8A 24" X 18"

HOEPKER ROAD SPECIAL FIXED MESSAGE SIGN

I)

HOEPKER ROAD

DETOUR
NEXT 4 MILES

G20-51
60" x 24"

SPECIAL FIXED
MESSAGE SIGN

DETOUR

M4-8
24" X 12"

HOEPKER ROAD SPECIAL FIXED MESSAGE SIGN

M06-1(A) 21"X21"

M4-8 24" X 12"

HOEPKER ROAD SPECIAL FIXED MESSAGE SIGN
USE LEFT LANE

M04-20-L 24"X24"











HOEPKER ROAD SPECIAL FIXED MESSAGE SIGN



SHEET

____ **E**

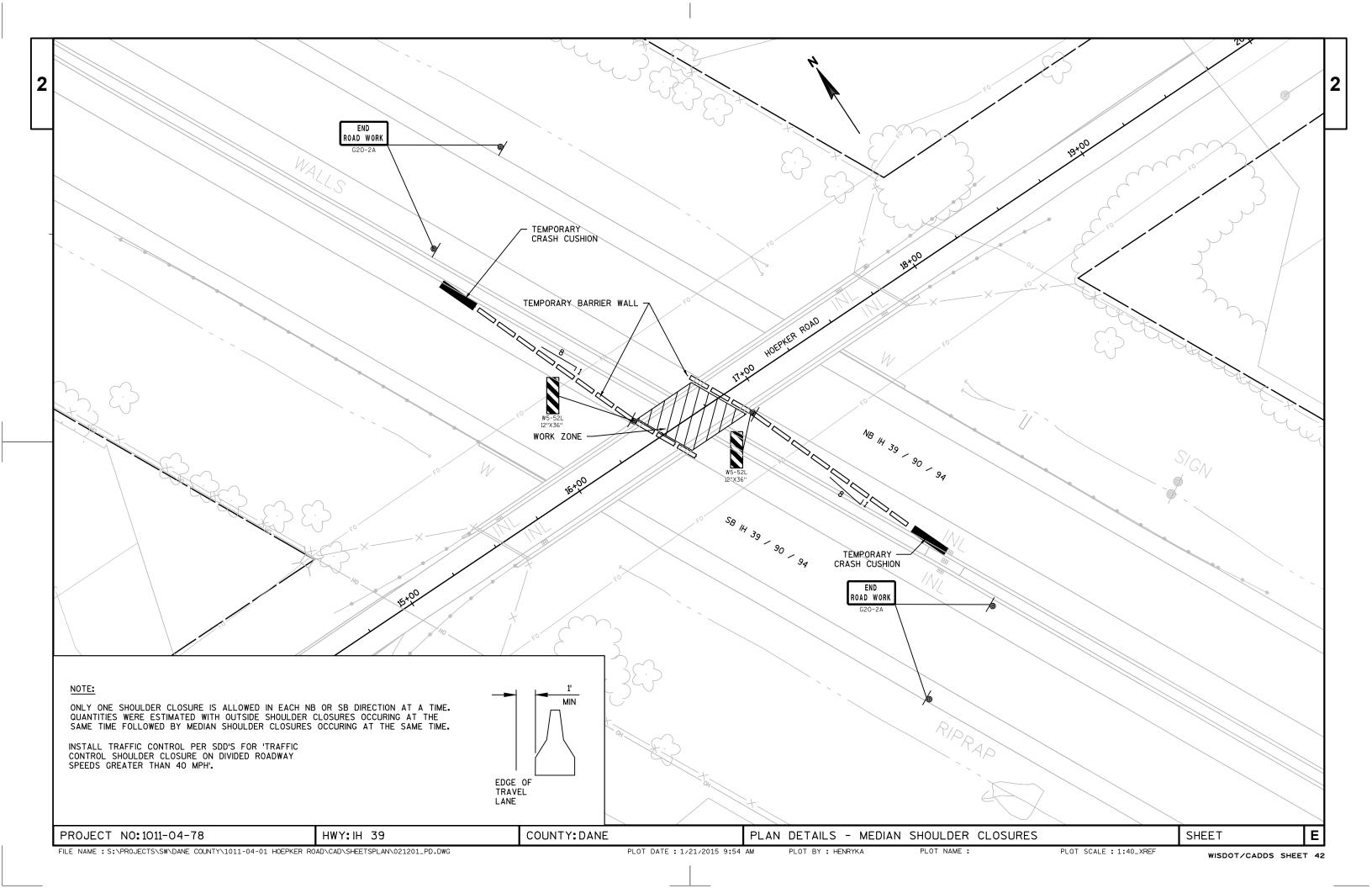
PROJECT NO: 1011-04-78

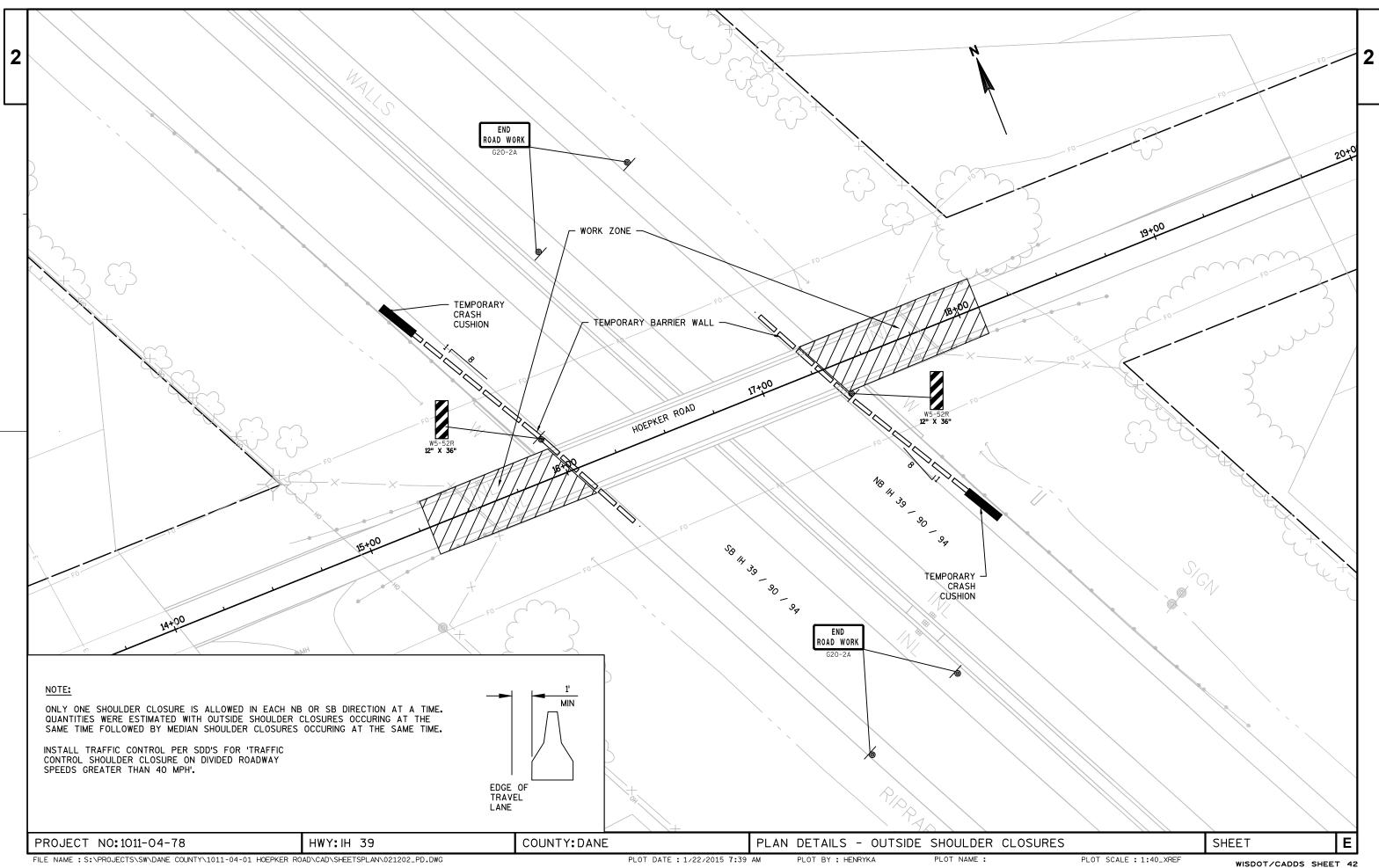
HWY:IH 39

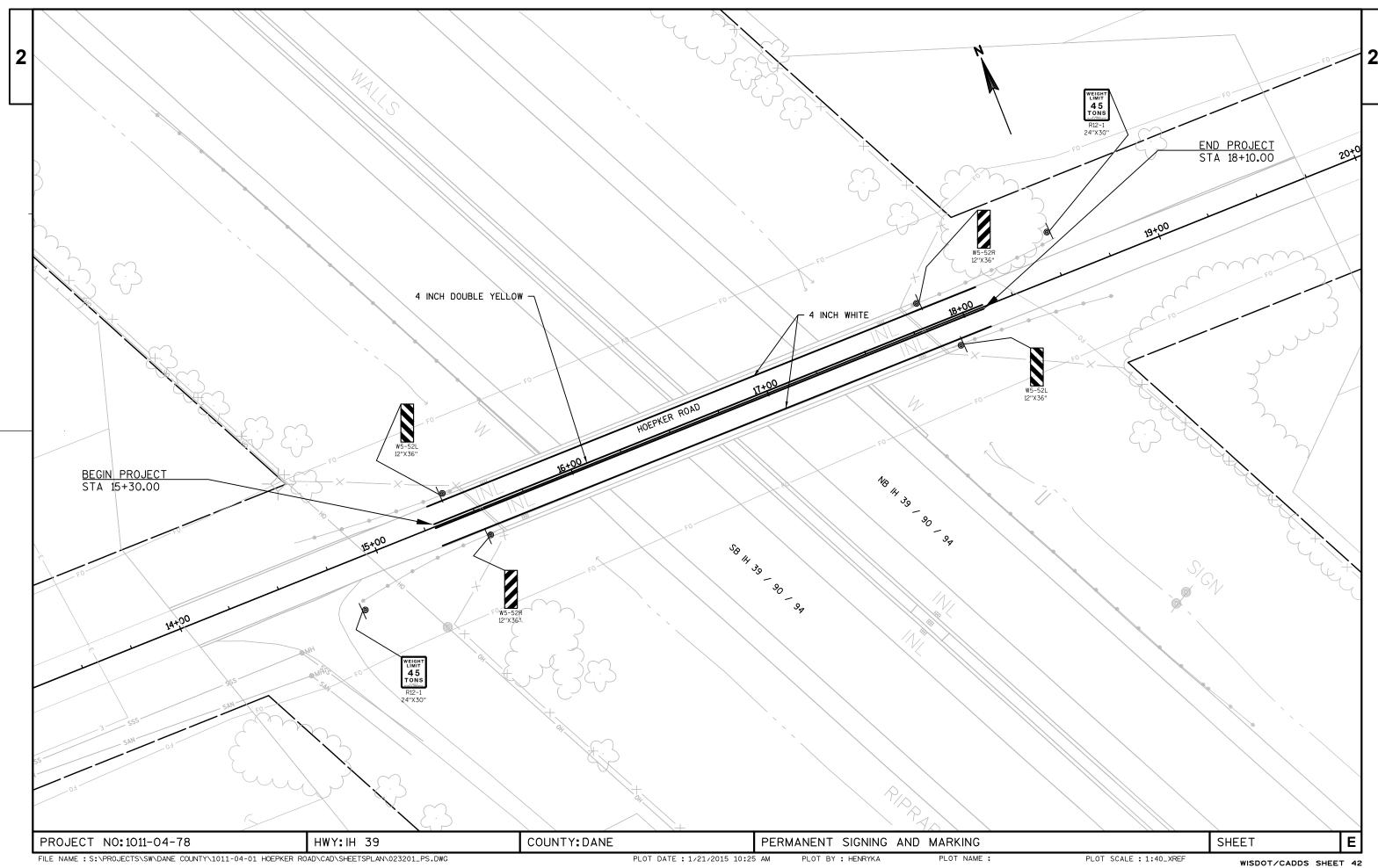
COUNTY: DANE

DETOUR: HOEPKER ROAD - LEGEND

PLOT BY : JOE







DATE 27	APR15	E S	TIMATE	E O F Q U A N	TITIES
LINE	LTEM	LTEM DESCRIPTION	LINII T	TOTAL	1011-04-78
NUMBER 0010	ITEM 204.0110	ITEM DESCRIPTION Removing Asphaltic Surface	UNI T SY	T0TAL 134. 000	QUANTI TY 134. 000
0020	204. 0170	Removing Fence	LF	100. 000	100. 000
0030	211. 0100	Prepare Foundation for Asphaltic Paving (project) 01. 1011-04-78	LS	1. 000	1.000
0040	213. 0100	Finishing Roadway (project) 01. 1011-04-78	EACH	1. 000	1. 000
0050	305. 0110	Base Aggregate Dense 3/4-Inch	TON	10. 000	10.000
0060	305. 0120	Base Aggregate Dense 1 1/4-Inch	TON	10. 000	10. 000
0070	455.0605	Tack Coat	GAL	4.000	4.000
0800	465. 0105	Asphaltic Surface	TON	36.000	36. 000
0090	502. 2000	Compression Joint Sealer Preformed Elastomeric (width) 01. 3-INCH	LF	62. 000	62. 000
0100	502. 3100	Expansi on Device (structure) 01. B-13-100	LS	1. 000	1. 000
0110	502. 3200	Protective Surface Treatment	SY	760. 000 58. 000	760. 000 58. 000
0120 0130	502. 5005 505. 0605	Masonry Anchors Type L No. 5 Bars Bar Steel Reinforcement HS Coated	EACH LB	1, 440. 000	1, 440. 000
		Bri dges			
0140	506. 2610	Bearing Pads Elastomeric Laminated	EACH	16.000	16.000
0150	ouo. /UbU. S	S Removing Bearings (structure) 01. B-13-100	EACH	16. 000	16. 000
0160	509. 0301	Preparation Decks Type 1	SY	205. 000	205. 000
0160	509. 0301	Preparation Decks Type 1 Preparation Decks Type 2	SY	100. 000	100. 000
0180	509. 1000	Joint Repair	SY	17. 000	17. 000
0190	509. 1200	Curb Repair	LF	60.000	60.000
0200	509. 1500	Concrete Surface Repair	SF	320. 000	320. 000
0210	509. 2000	Full-Depth Deck Repair	SY	10.000	10. 000
0220	509. 2500	Concrete Masonry Overlay Decks	CY	72.000	72.000
0230	509. 9005. \$	Removing Concrete Masonry Deck Overlay (structure) 01. B-13-100	SY	610. 000	610. 000
0240	517. 3000. 9	S Structure Overcoating Cleaning and	LS	1. 000	1.000
0250	517, 4000	Priming (structure) 01. B-13-100 S Containment and Collection of Waste	LS	1. 000	1. 000
3230	517. 4000.	Materials (structure) 01. B-13-100	LU	1.000	1.000
0260	603. 8000	Concrete Barrier Temporary Precast	LF	600.000	600.000
0270	(O) 010F	Delivered		400,000	400,000
0270	603. 8125	Concrete Barrier Temporary Precast Installed	LF	600. 000	600. 000
0280	614. 0905	Crash Cushions Temporary	EACH	4. 000	4. 000
0290	616. 0100	Fence Woven Wire (height) 01. 4-FT	LF	100.000	100.000
0300	619. 1000	Mobilization	EACH	1. 000	1. 000
0310	625. 0500	Sal vaged Topsoi I	SY	700.000	700. 000
0320	628. 1905	Mobilizations Erosion Control	EACH	1.000	1.000
0330	628. 1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0340	628. 2004	Erosion Mat Class I Type B	SY	700.000	700. 000
0350	630. 0120	Seeding Mixture No. 20	LB	20. 000	20. 000
0360	630. 0200	Seeding Temporary	LB	40.000	40. 000
0370	634. 0616	Posts Wood 4x6-Inch X 16-FT	EACH	6.000	6.000
0380 0390	637. 2210 638. 2602	Signs Type II Reflective H Removing Signs Type II	SF EACH	22. 000 6. 000	22. 000 6. 000
0400	638. 3000	Removing Small Sign Supports	EACH	6. 000	6. 000
0410	642. 5001	Field Office Type B	EACH	1. 000	1. 000
0410	643. 0100	Traffic Control (project) 01. 1011-04-7		1. 000	1. 000
0430	643.0300	Traffic Control Drums	DAY	908.000	908.000
0440	643. 0420	Traffic Control Barricades Type III	DAY	906.000	906.000
0450	643. 0705	Traffic Control Warning Lights Type A	DAY	1, 059. 000	1, 059. 000

REMOVING ASPHALTIC SURFACE

STATION	J -	STATION	204.0110 SY	COMMENTS
CATEGORY	00	DE 0010		
		15+55 18+ 1 0	61 73	
		TOTAL	134	

REMOVING FENCE

		204.0170	
STATION	LOCATION	LF	COMMENTS
CATEGORY	CODE 0010		
15+55	RT	50	R/W FENCE TO ACCESS PIERS
18+25	LT	50	R/W FENCE TO ACCESS PIERS
10723	LI	อบ	RAVA LEINCE LO ACCESS ME

TOTAL 100

BASE AGGREGATE DENSE ITEMS

		DENSE 3/4-INCH	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	
STATION - STATION	LOCATION	TÓN	TON	COMMENTS
CATEGORY CODE 0010				
15+30 - 15+40 15+30 - 15+58 17+80 - 18+10 17+95 - 18+10	LT RT LT RT	1 2 2 1		SHOULDER SHOULDER SHOULDER SHOULDER
UNDISTRIBUTED		5	10	
		10	10	

ASPHALTIC ITEMS

STATION CATEGORY		STATION	LOCATION	455.0605 TACK COAT GAL	465.0105 ASPHALTIC SURFACE TON
15+30	_	15+25	MAINLINE	2	16
17+80	-	18+10	MAINLINE	2	20
			TOTALS	4	36

TEMPORARY CONCRETE BARRIER WALL AND CRASH CUSHIONS

LOCATION	603.8000 CONCRETE BARRIER TEM PORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	614.0905 CRA SH CUSHIONS TEM PORA RY EA CH	
CATEGORY CODE 0010		- 27		
NB MEDIAN	150	150	1	
NB OUTSIDE	150	150	1	
SB MEDIAN	150	150	1	
SB OUTSIDE	150	150	1	
TOTAL	s 600	600	4	

FENCE ITEMS

		606.0100 FENCE WOVEN WIRE (4-FT)	
STATION	LOCATION	LF	COMMENTS
CATEGORY (ODE 0010		
15+55	R⊤	50	R/W FENCE ACCESS TO PIERS
18+25	LT	50	RAW FENCE ACCESS TO PIERS
	TOTAL	100	

LANDSCAPING ITEMS

STATION CATEGORY CODE 0010	LOCATION	625.0500 SALVAGED TOPSOIL SY	628.2004 EROSION MAT CLASS I TYPE B SY	630.0120 SEED MIX NO. 20 LBS	630.0200 SEED TEMPORARY LBS
15+50	RT	350	350	10	20
17+75	LT	350	350	10	20
	TOTALS	700	700	20	40

PROJECT NO:1011-04-78 HWY: IH 39

FILE NAME: S:\PROJECTS\SW\DANE COUNTY\1011-04-01 HOEPKER ROAD\CAD\SHEETSPLAN\030201_MQ.DWG

COUNTY: DANE

MISCELLANEOUS QUANTITIES: HOEPKER ROAD

PLOT NAME :

SHEET

WISDOT/CADDS SHEET 42

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PLOT DATE: 4/6/2015 10:59 AM

SIGNAGE

	638.2602 REMOVING SIGNS TYPE II	638,3000 REMOVING SMALL SIGN SUPPORTS	634.0616 POSTS WOOD 4x6- INCH x 16-FT	637.2210 SIGN TYPE II REFLECTIVE H	DESIGNATION	
LOCATION	EΑ	EΑ	EΑ	SF		REMARK\$
CATEGORY CODE 0010						
WEST APPROACH	2	2	2	6	W5-52	CHEVRONS 12
EAST APPROACH	2	2	2	6	W5-52	CHEVRONS 12'
WEST APPROACH	1	1	1	5	R12-1	WEIGHT LIMIT
EAST APPROACH	1	1	1	5	R12-1	WEIGHT LIMIT
TOTAL	ĸ	6	6	22		

DETOUR ITEMS

	643.3000 DETOUR SIGN
LOCATION	DAYS
CATEGORY CODE 0010	
PORTAGE RD / HOEPKER RD	306
MANUFACTURERS DR / HOEFKER RD	306
MANUFACTURERS DR / HANSON RD	510
PORTAGE RD / HANSON DR	306
AMERICAN PKWY / EASTPARK BLVD	510
AMERICAN PKWY / HOEPKER RD	867
TOTAL	2,805

PAVEMENT MARKING ITEMS

646.0106 PAVEMENT MARKING EPOXY 4-INCH

	DE OVI 44-IIACH	
LOCATION	LF	REMARKS
CATEGORY CODE 0010		
•		
15+30 to 18+10, CL	560	DOUBLEYELLOW
15+30 to 18+10, Rt	280	WHITE EDGELINE
15+30 to 18+10, Lt	280	WHITE EDGELINE

TOTAL 1,120

SAWING PAVEMENT ITEMS

		690.0150 ASPHAL
STATION - STATION	LOCATION	LF
CATEGORY CODE 00	010	
15+30	MAINLINE	22
18+10	MAINLINE	22

TOTALS 44

TRAFFIC CONTROL ITEMS

LOCATION ATEGORY CODE 0010	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PCMS DAYS	REMARKS
TIEGOM GOBEGOTO									
WEST OF F39									
EAST OF I-39									
HOEPKER RD	32	816	969			1,224		14	
U\$H 51	306							102	
F39	18							14	
UNDISTRIBUTED	90	90	90			150		15	
F39 NB OUTSIDE LANE CLOSURE	42			30	2	8		1	
F39 NB INSIDE LANE CLOSURE	42			30	2	8		1	
F39 SB OUTSIDE LANE CLOSURE	42			30	2	8		1	
F39 SB INSIDE LANE CLOSURE	42			30	2	8		1	
F39 NB LANE CLOSURE TO REMOVE BARRIER	42			30	2	8		1	
1-39 SB LANE CLOSURE TO REMOVE BARRIER	42			30	2	8		1	
UNDISTRIBUTED	42			30	2	8			
F39 NB OUTSIDE SHOULDER CLOSURE		**			25	300		25	**
1-39 NB INSIDE SHOULDER CLOSURE					25	300		25	
F39 SB OUTSIDE SHOULDER CLOSURE					25	300		25	
1-39 SB INSIDE SHOULDER CLOSURE					25	300		25	
PORTAGE RD / HOEPKER RD		***					6		2 SIGNS @ 3 SF EAC
MANUFACTURERS DR / HOEPKER RD							18		6 SIGNS @ 3 SF EAC
MANUFACTURERS DR / HANSON RD	42						18		6 SIGNS @ 3 SF EA
PORTAGE RD / HANSON DR	42				••		12		4 SIGNS @ 3 SF EA
AMERICAN PKWY / EASTPARK BLVD	42						18		6 SIGNS @ 3 SF EA
AMERICAN PKWY / HOEPKER RD	42						24		8 SIGNS @ 3 SF EA
TOTALS	908	906	1,059	210	114	2,630	96	251	

PROJECT NO: 1011-04-78

HWY:IH 39

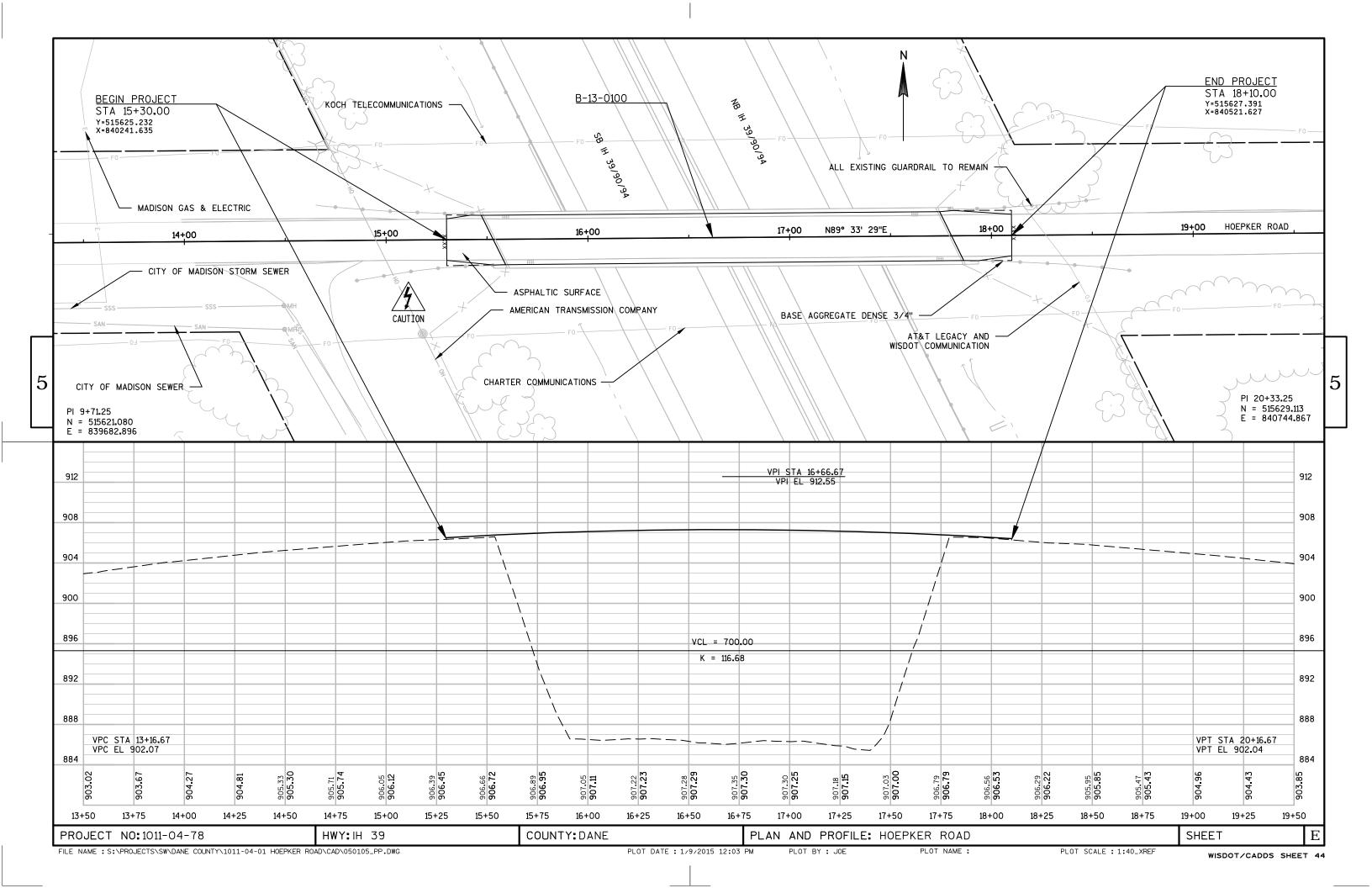
COUNTY: DANE

MISCELLANEOUS QUANTITIES: HOEPKER ROAD

SHEET

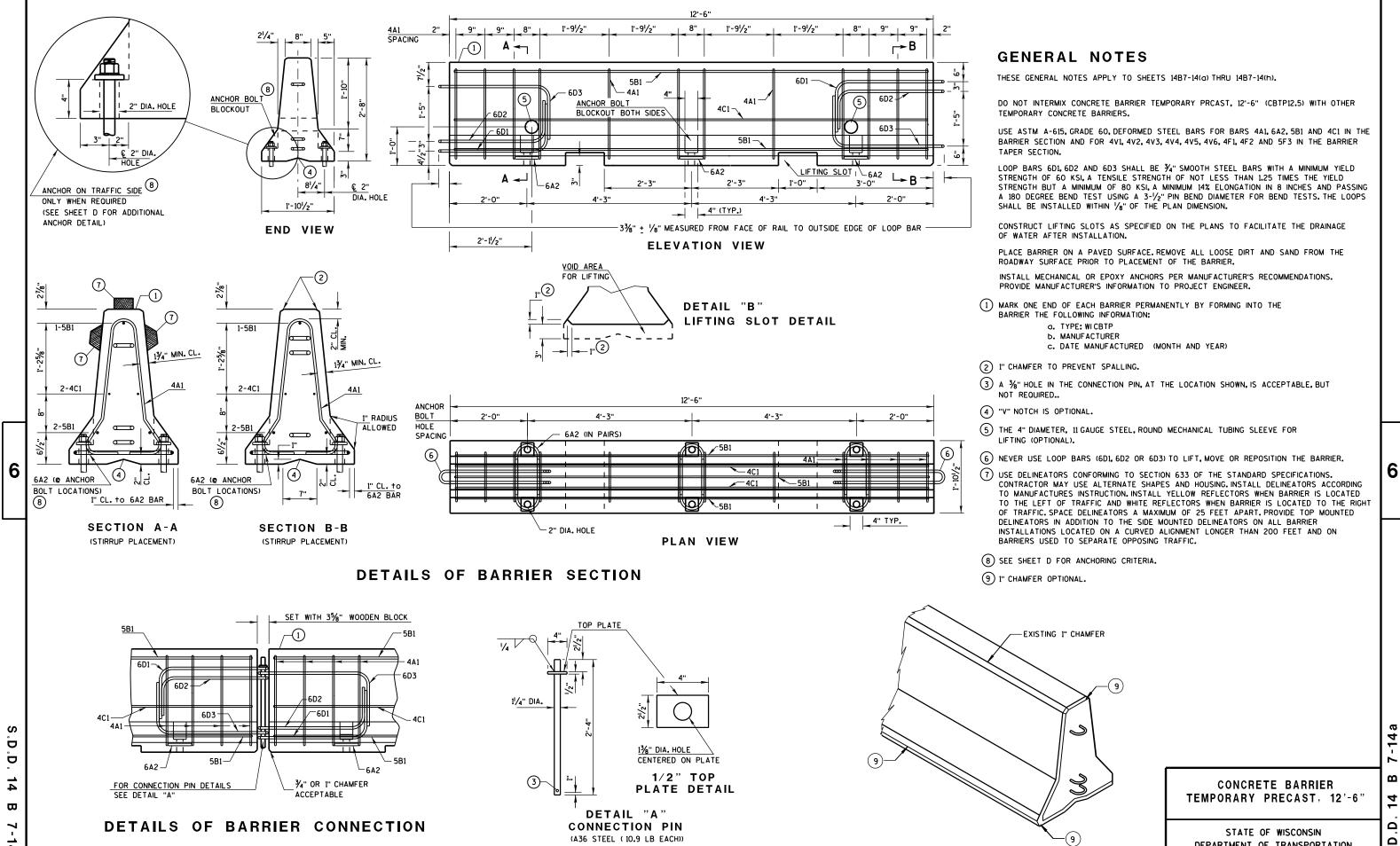
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PLOT BY : CHRIS

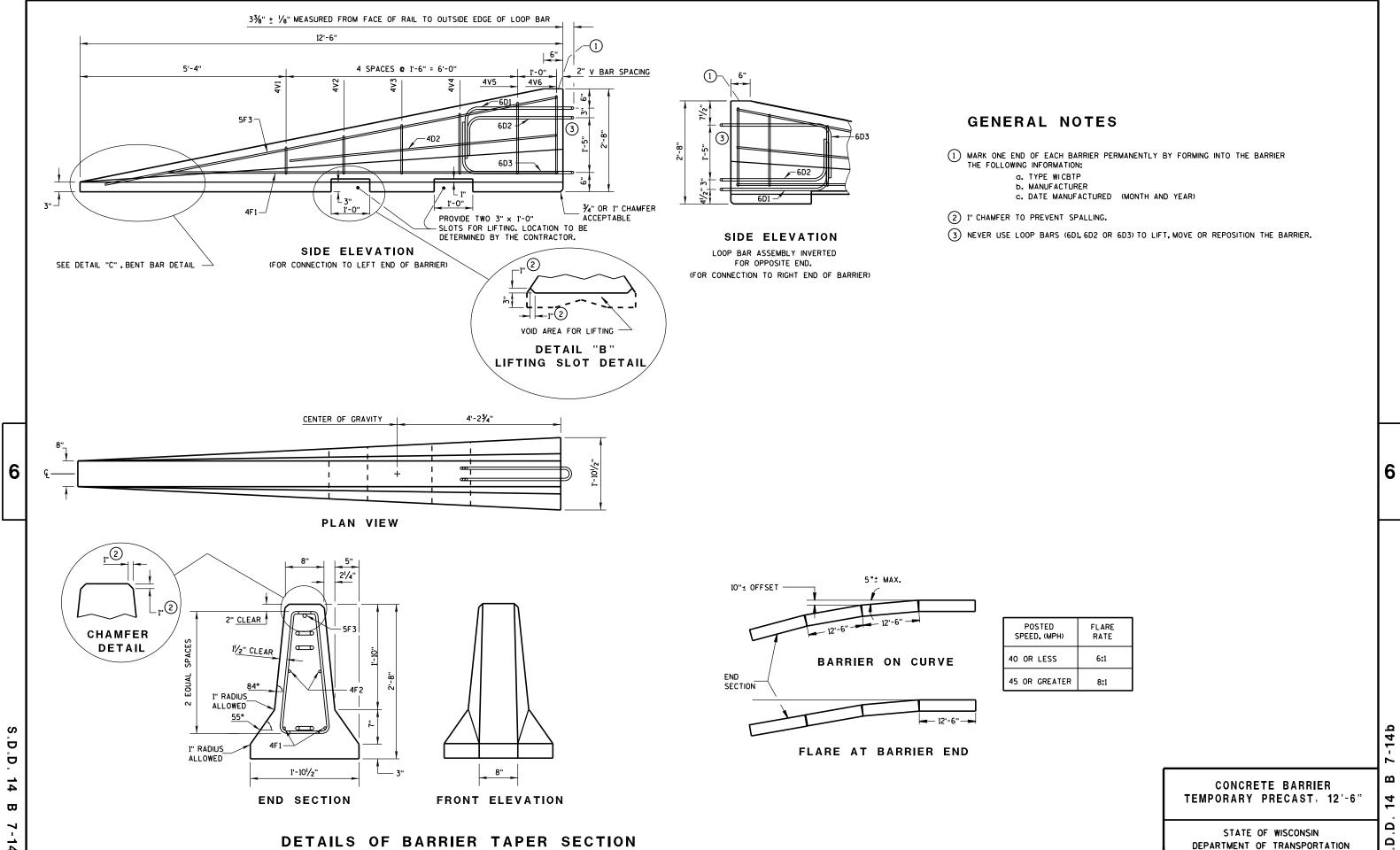


Standard Detail Drawing List

14B07-14A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14B	
14B07-14C 14B07-14D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E 14B07-14F	·
	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-01A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-02	BARRI CADES AND SI GNS FOR SI DEROAD CLOSURES
15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C06-07	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15D03-02	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH



DEPARTMENT OF TRANSPORTATION



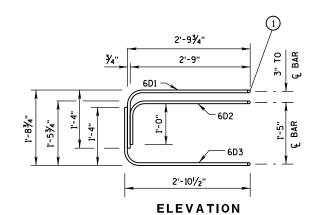
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1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

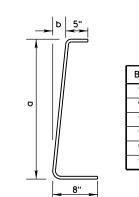
BARRIER TAPER SECTION BILL OF MATERIALS

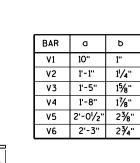
(PER 12'-6" BARRIER TAPER SECTION)

TEN IE O BANTILIN TAI EN SECTION				
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.	
4V1	4	2	1'-11"	
4V2	4	2	2'-2"	
4٧3	4	2	2'-6"	
4V4	4	2	2'-9"	
4V5	4	2	3'-2"	
4V6	4	2	3'-4"	
4F1	4	2	12'-0"	
4F2	4	2	7'-6"	
5F3	5	1	11'-9"	
LOOP ASSEMBLY				
6D1	6	1	8'-5"	
6D2	6	1	7'-7"	
6D3	6	1	8'-6"	
		•	•	



LOOP BAR ASSEMBLY





DETAIL "C" BENT BAR DETAIL

2" MIN. CLEAR

2" MIN. CLEAR

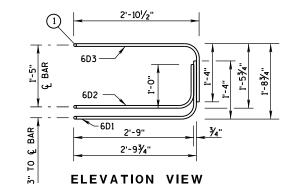
4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

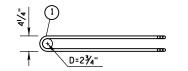
TAPER BARRIER SECTION

BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

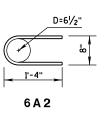
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.	
4A1	4	12	6'-0"	
6A2	6	6	2'-11"	
5B1	5	3	12'-2"	
4C1	4	2	12'-2"	
LOOP ASSEMBLY				
6D1	6	2	8'-5"	
6D2	6	2	7'-7"	
6D3	6	2	8'-6"	

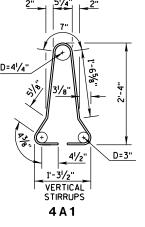




PLAN VIEW Loop bar assembly

(MARKED END SHOWN, INVERT FOR OTHER END)



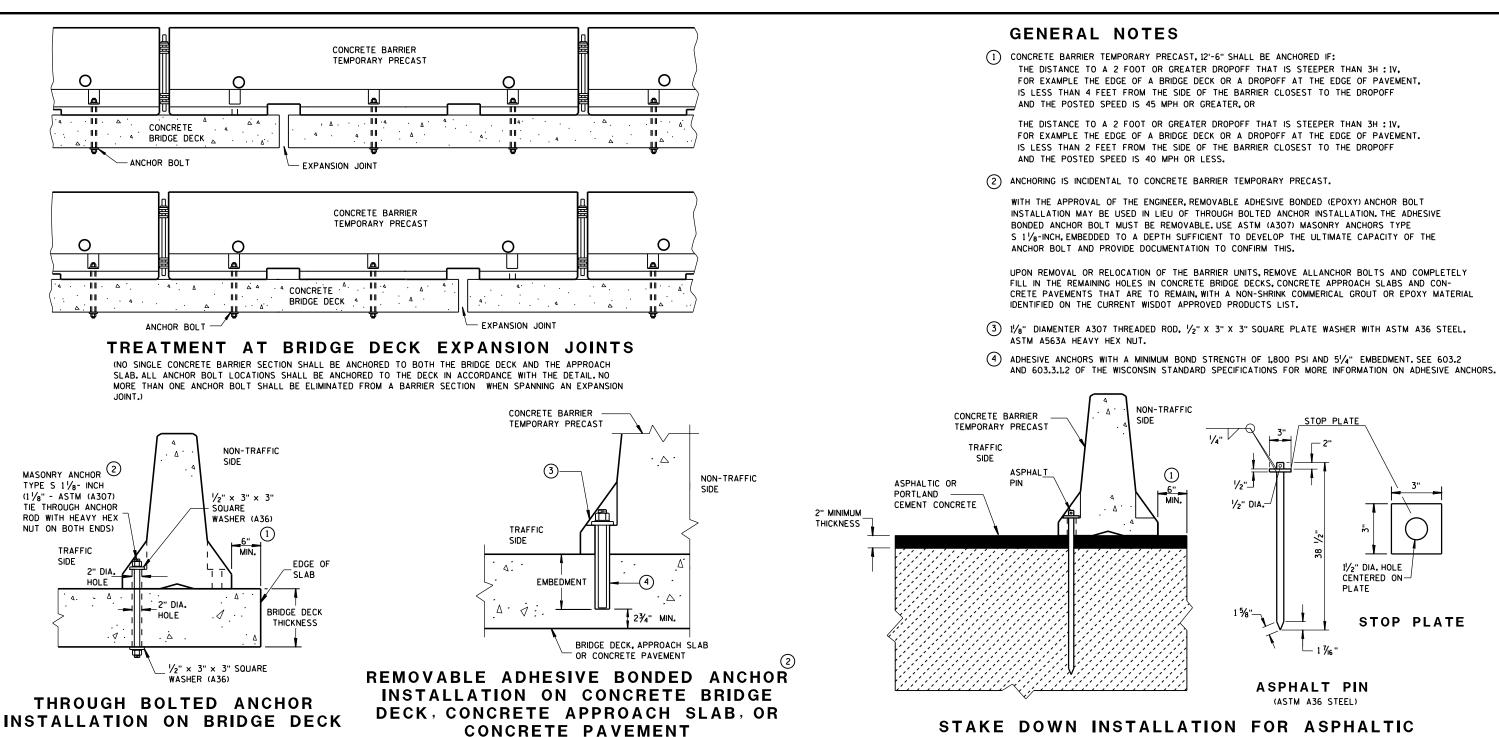


BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

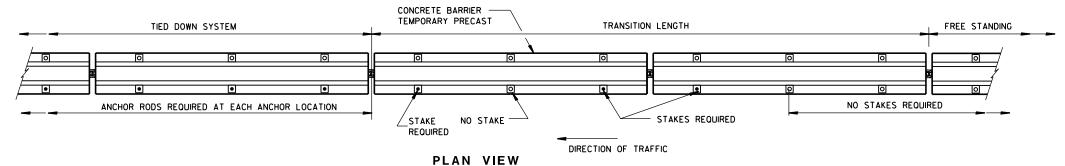
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM (PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY, IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN,)

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(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

STATE OF WISCONSIN

CONCRETE BARRIER

TEMPORARY PRECAST, 12'-6"

11/2" DIA. HOLE

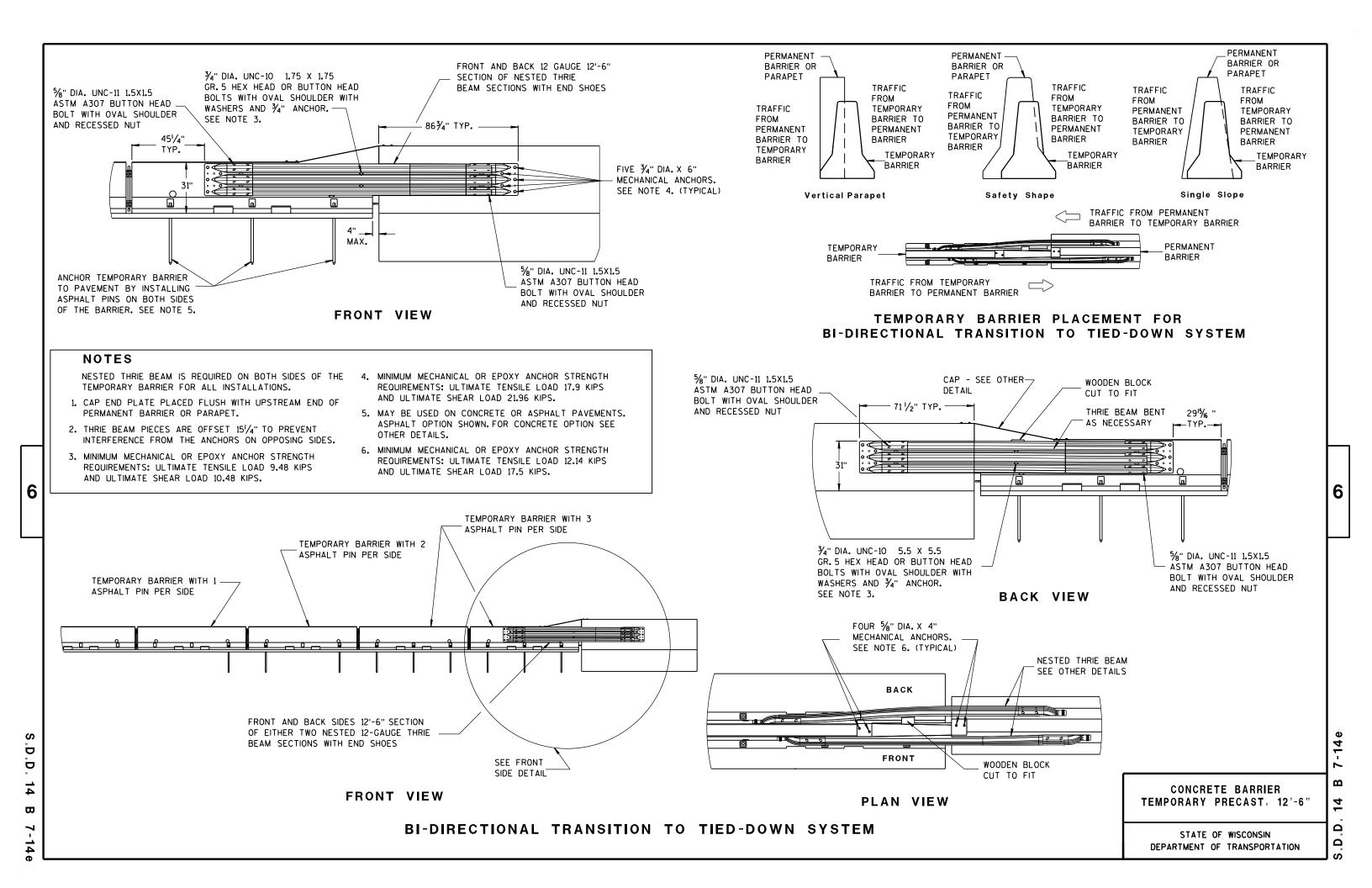
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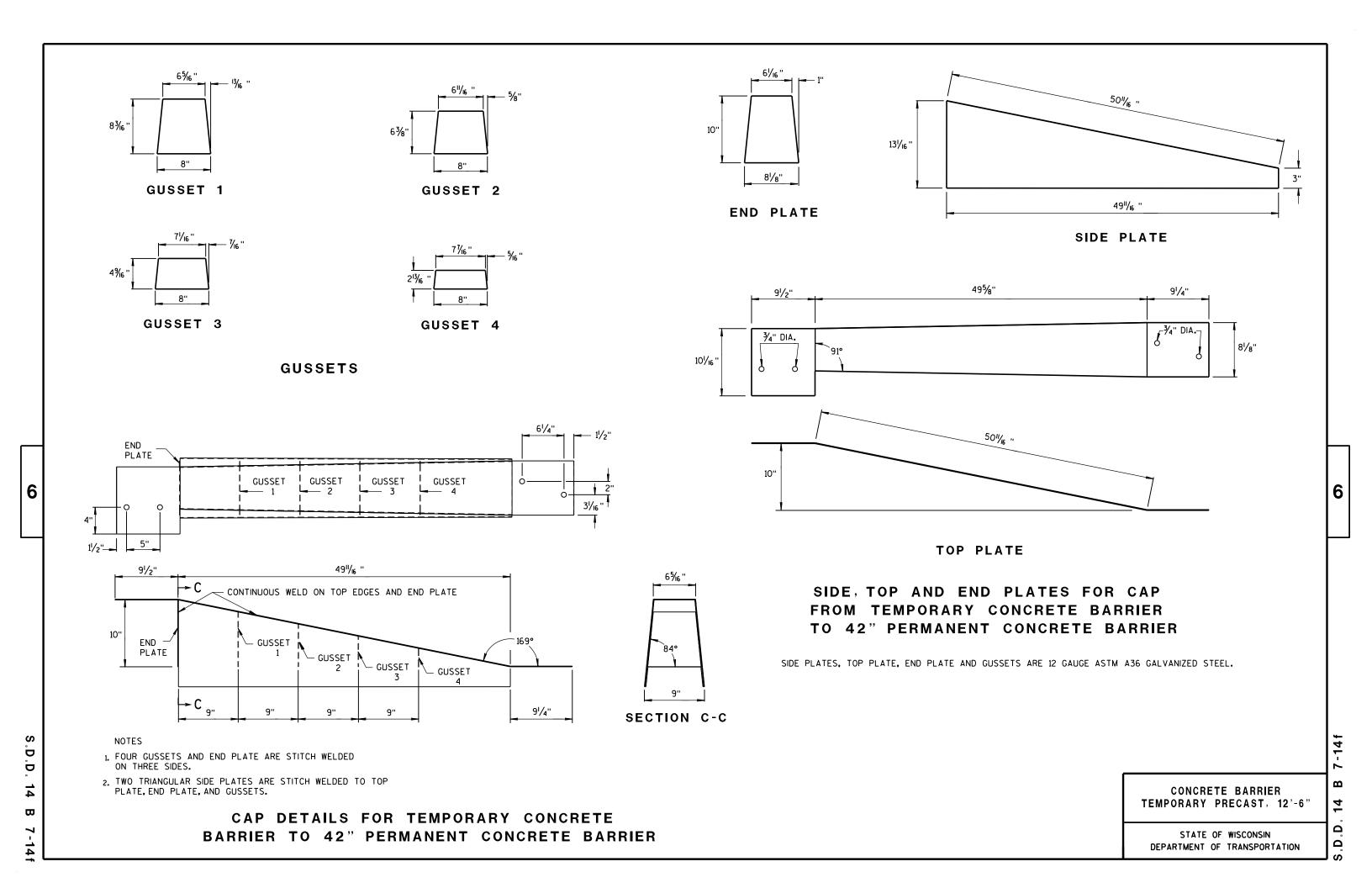
STOP PLATE

PLATE

DEPARTMENT OF TRANSPORTATION

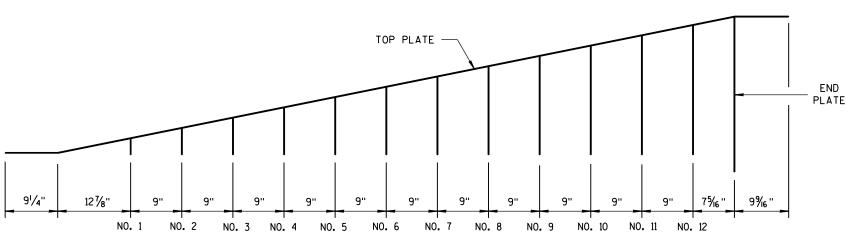
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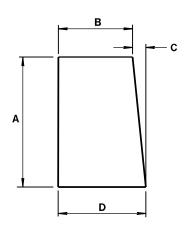
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GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER



GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	В	С	D
1	21/8"	73/4"	1/4"	8
2	4"/16 "	7% "	1/2"	8
3	61/2"	73/8"	11/16 "	8½6"
4	85%"	73/16"	⅓ "	81/16"
5	101/8"	7"	1 1/16 "	81/16"
6	11 ¹⁵ / ₁₆ ''	6 ¹³ // ₆ "	1 1/4"	81/16"
7	13¾"	65/8"	1 1/6"	81/16 "
8	15% "	6 ½ "	1 % "	81/16"
9	173/8"	61/4"	1 13/16 ''	81/16"
10	193/6"	6½ ₆ "	1 15/16 "	81/16 "
11	21"	5 1/8"	23/6"	8½ ₆ "
12	22 ¹³ / ₁₆ "	5 ¹¹ / ₁₆ "	25/6"	8½ ₆ "

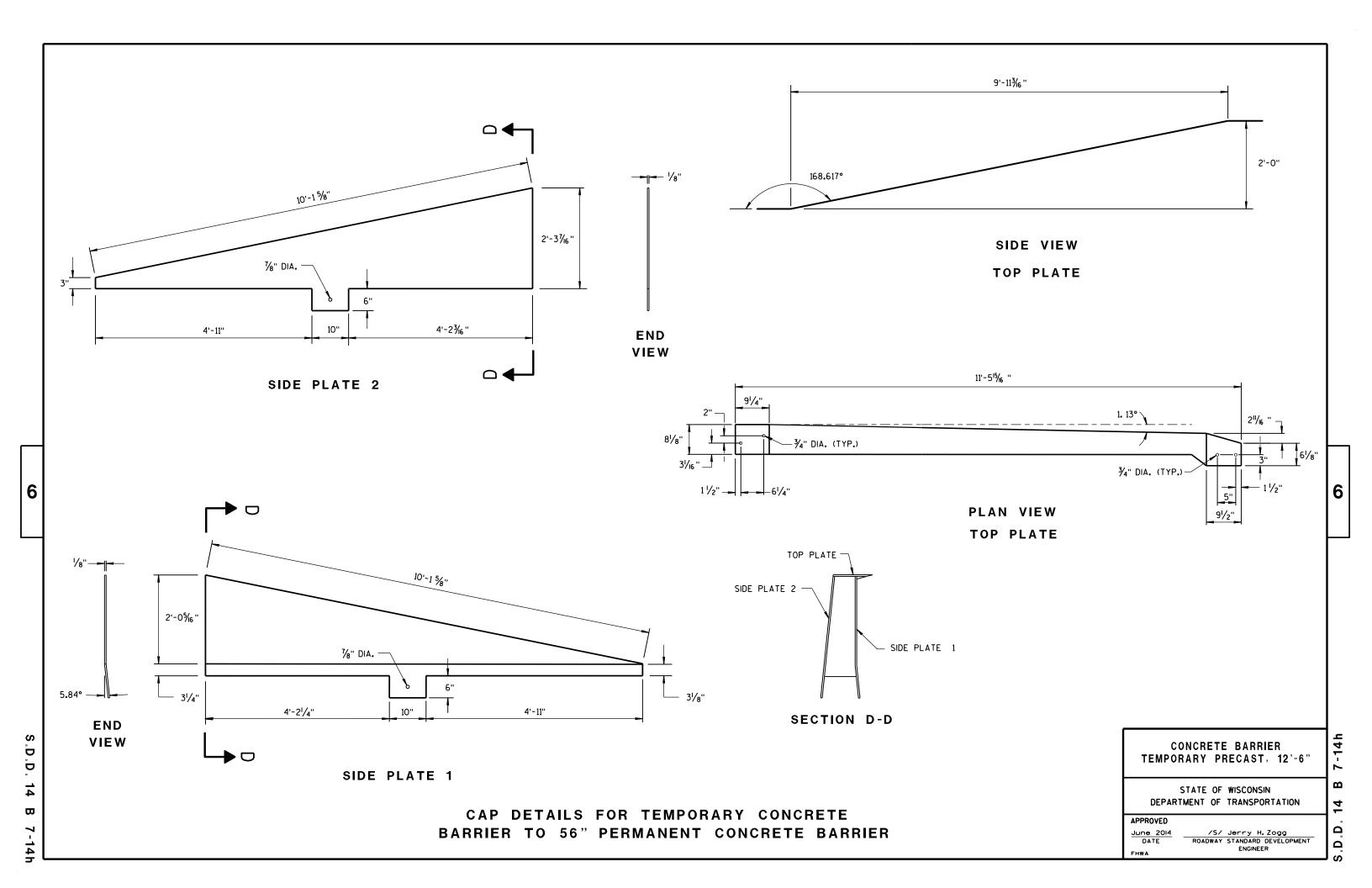
SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

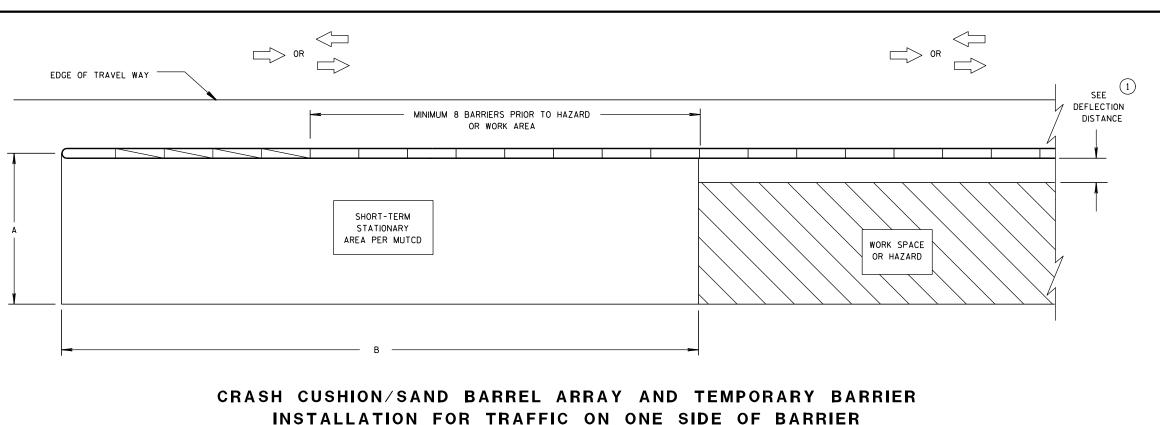
GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.

> CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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DIMENSION A TABLE (2)

		DIMENSION A		
FACILITY	POSTED SPEED MPH	MIN. FT	MAX. FT	
FREEWAY/EXPRESSWAY	ALL	15	20	
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15	
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10	
AADT LESS THAN 1,500	ALL	8	10	

DIMENSION B TABLE 2

POSTED Speeds	DIMENSION B
MPH	FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645

DIRECTION OF TRAVEL

SAND BARREL ARRAY

CRASH CUSHION OR

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY

BARRIER

LEGEND

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION Ω

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CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

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DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

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EDGE OF TRAVEL WAY -

EDGE OF TRAVEL WAY -

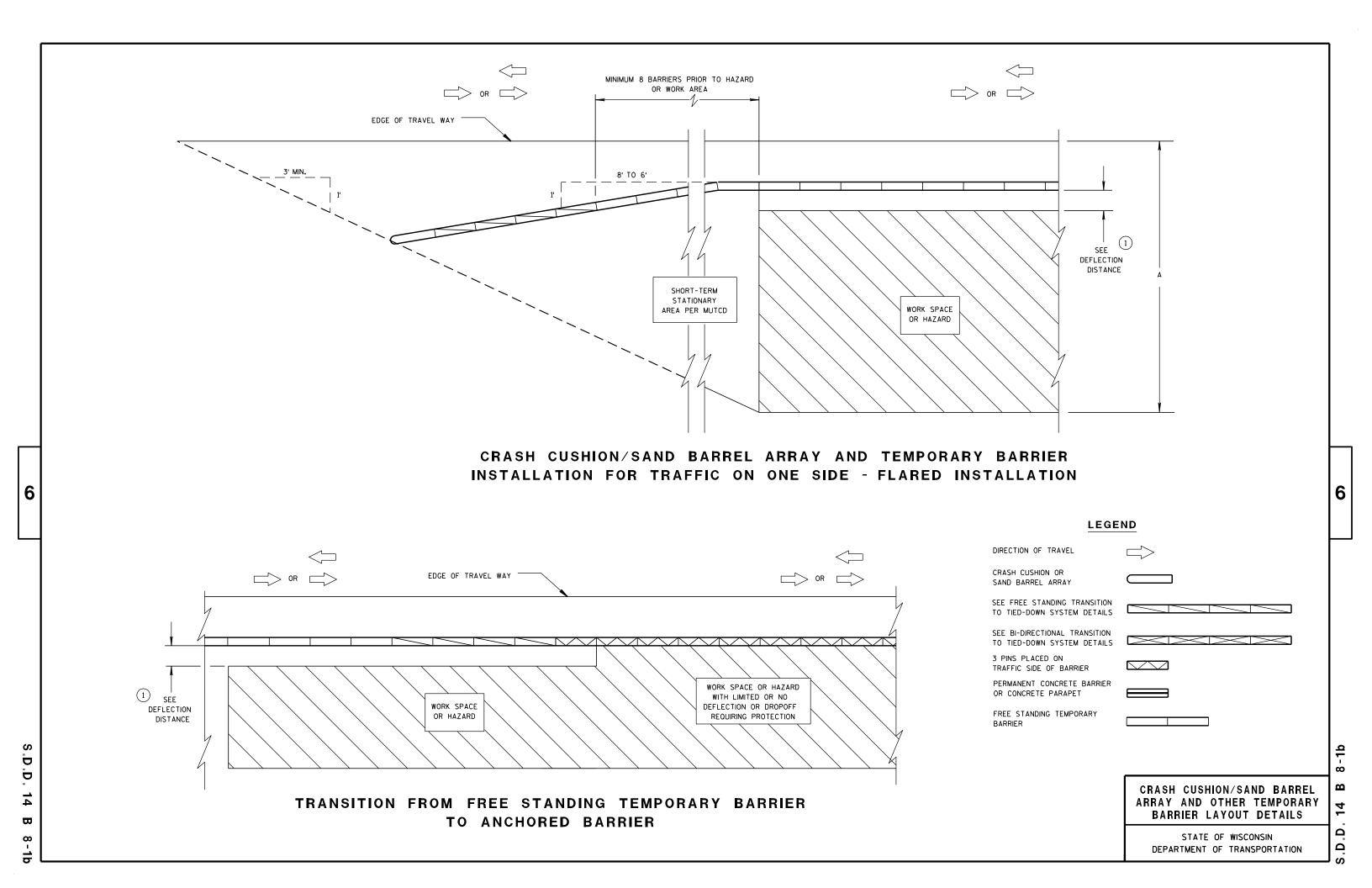
TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

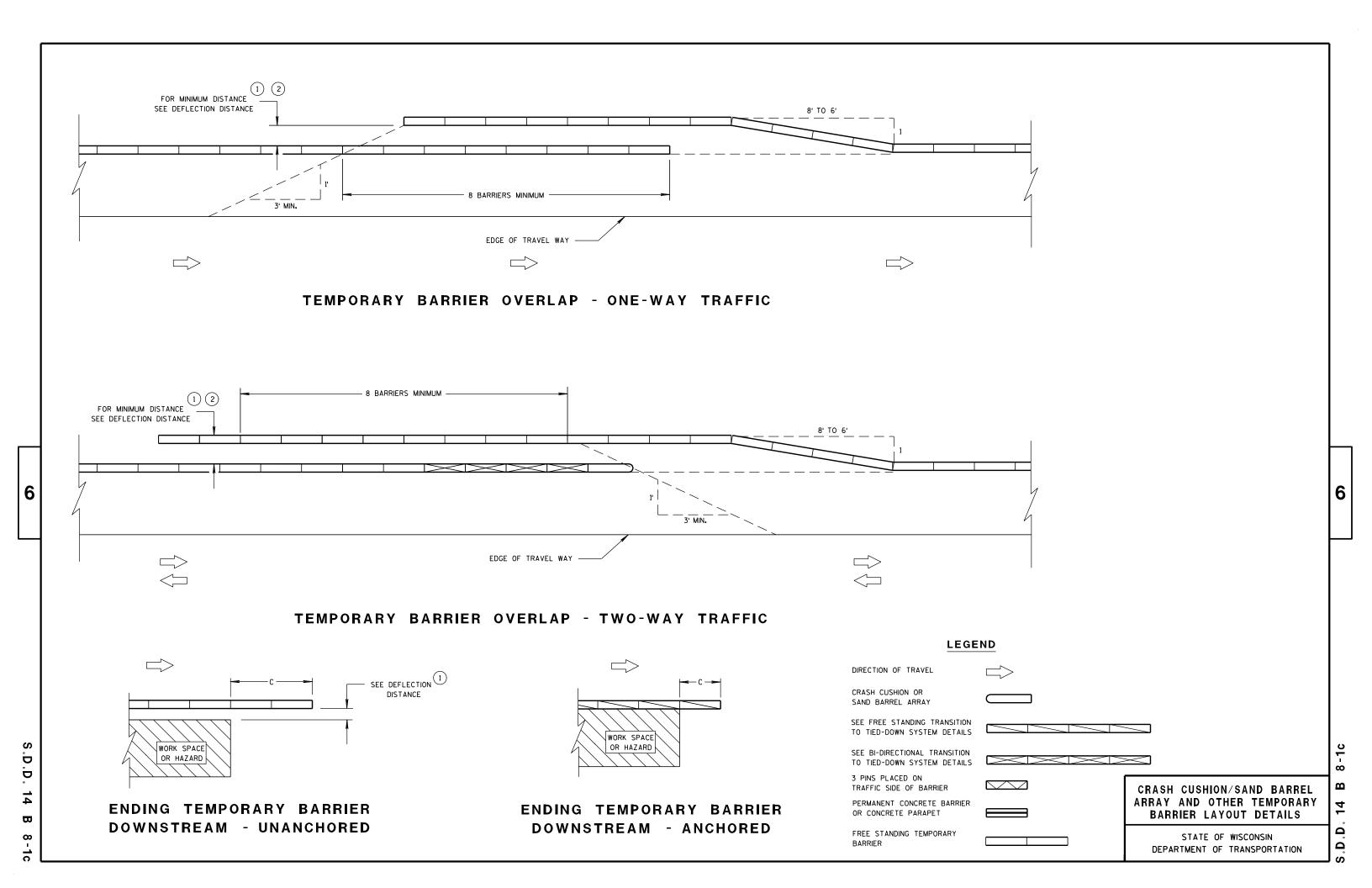
FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

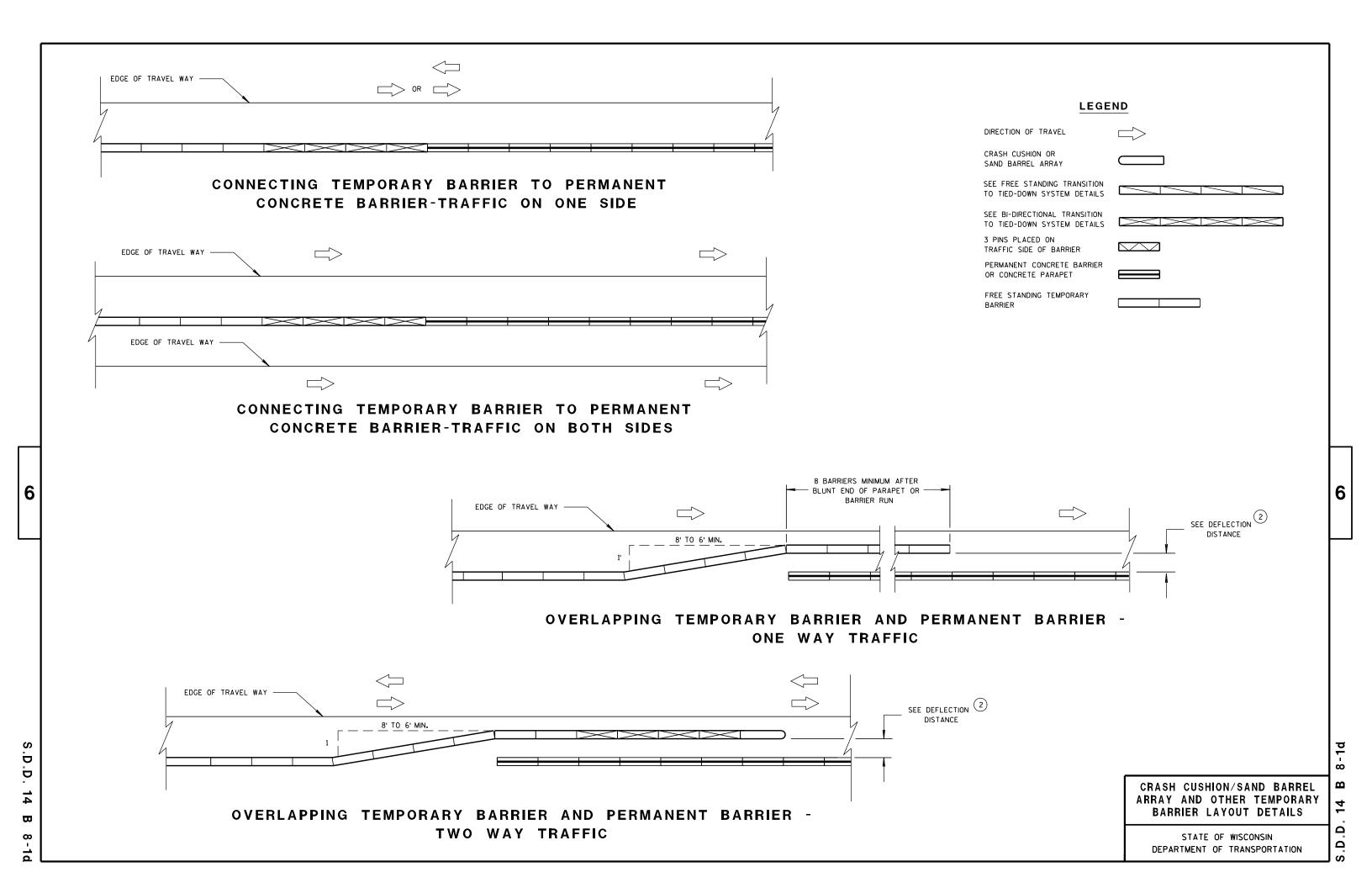
SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.







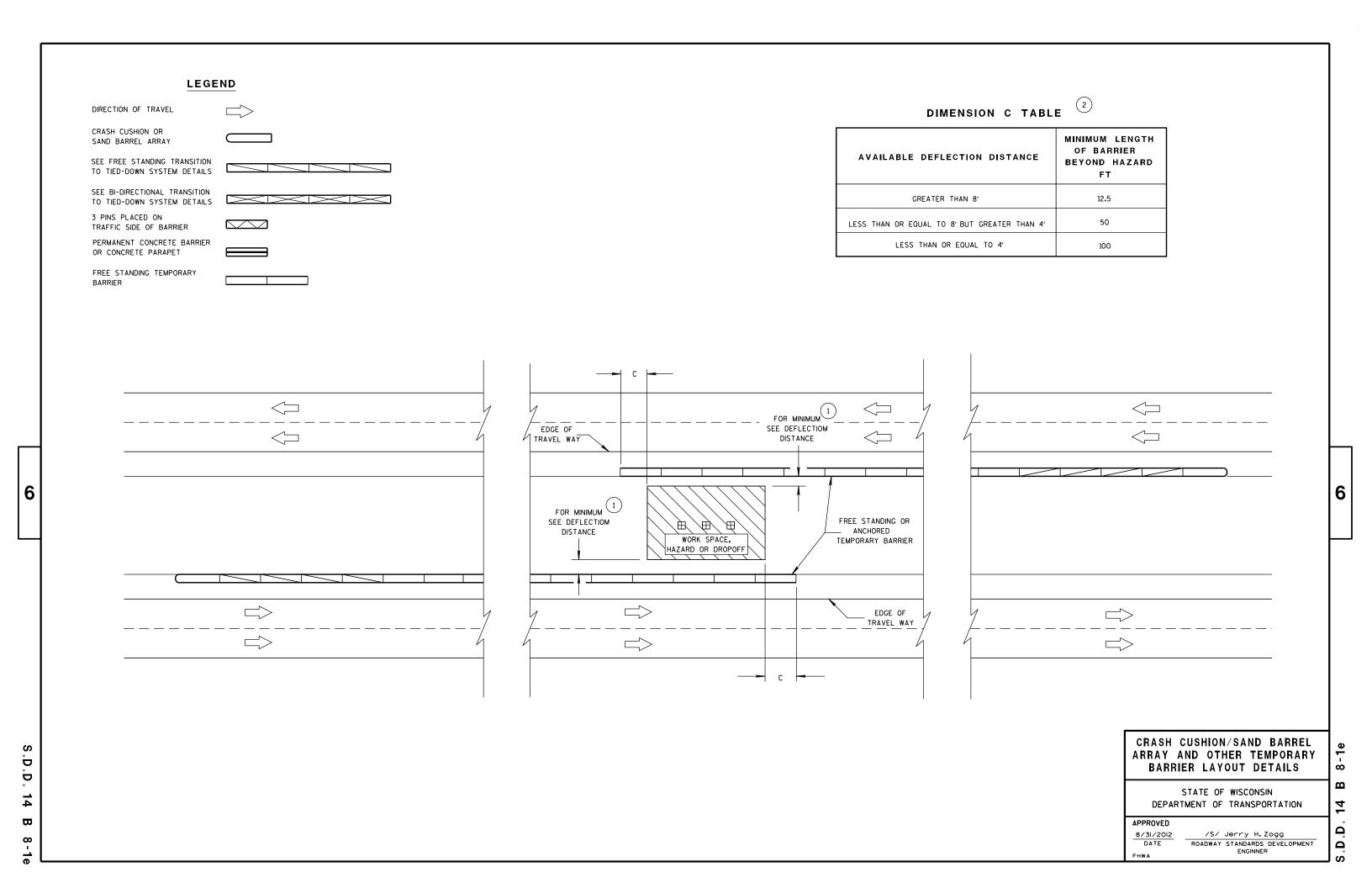
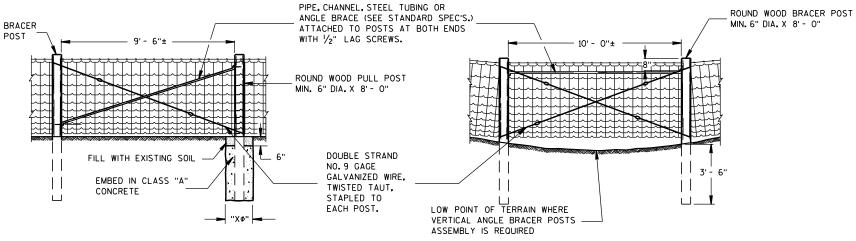
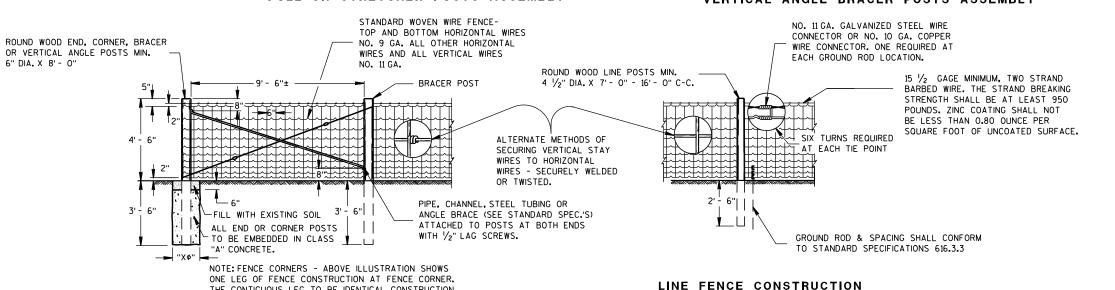


ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



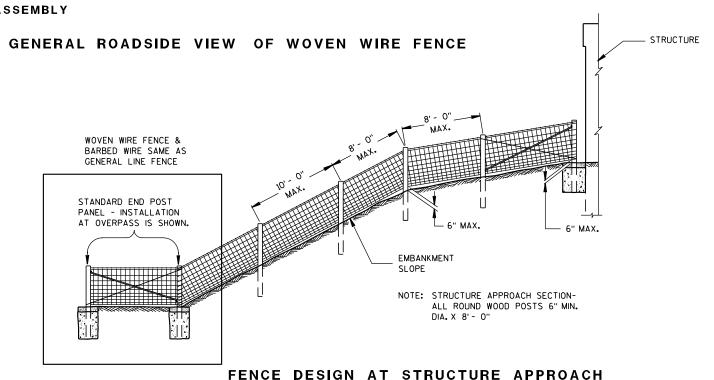
PULL OR STRETCHER POSTS ASSEMBLY

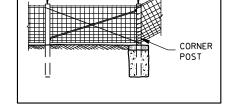
VERTICAL ANGLE BRACER POSTS ASSEMBLY



END OR CORNER POSTS ASSEMBLY

THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.





STANDARD END POST

PANEL - INSTALLATION AT UNDERPASS IS SHOWN.

ALTERNATE FENCE DESIGN AT STRUCTURE

GENERAL NOTES

"X ϕ " = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VER-TICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EX-PANSION AND CONTRACTION. STAPLE AR-RANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MAN-LIFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

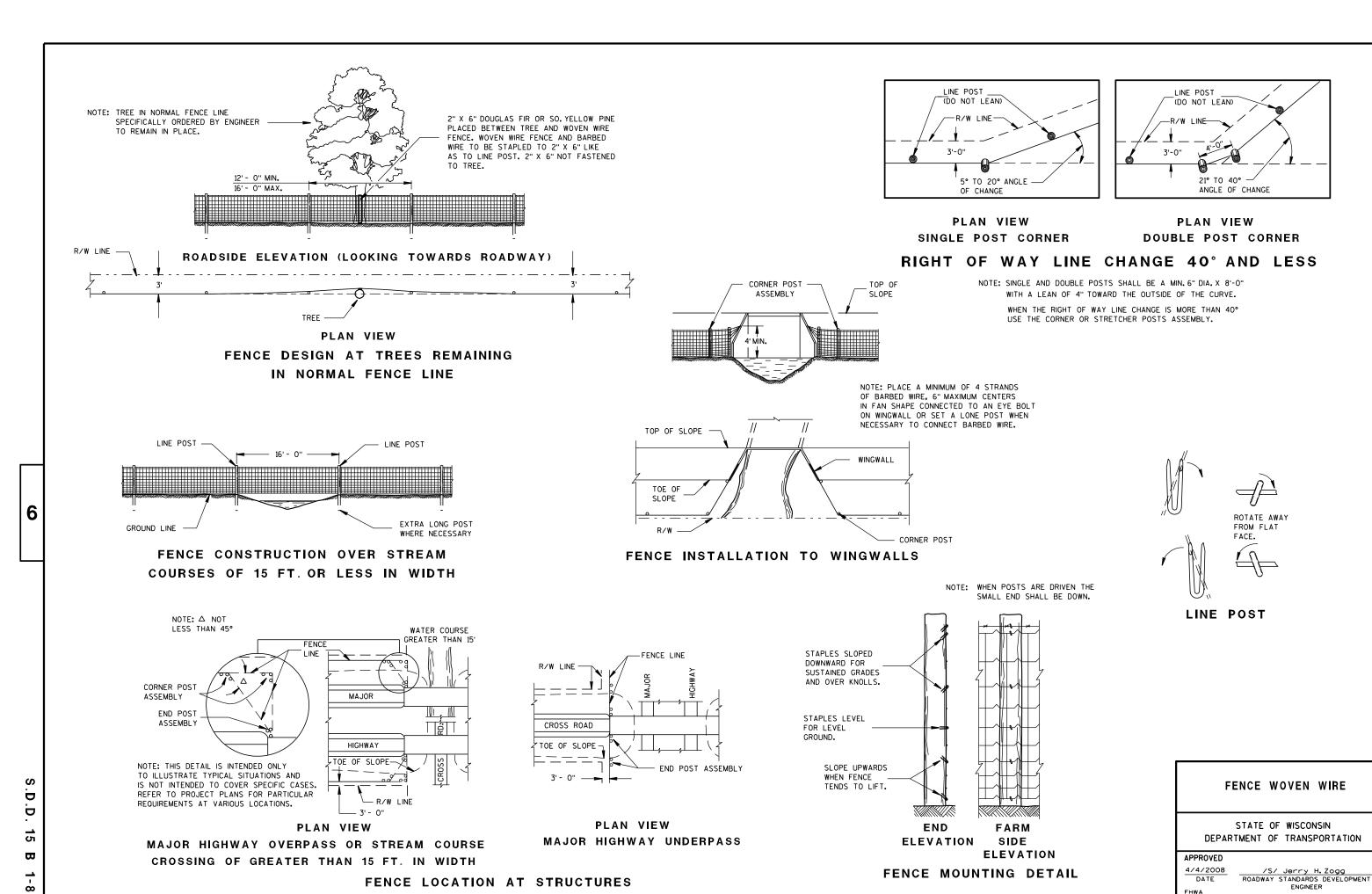
FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.

FENCE WOVEN WIRE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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BRIDGE ROAD 1)TWO-WAY **CLOSED** TYPE "A" WARNING LIGHTS REQUIRED OUTSIDE EDGE OF SHOULDER OUTSIDE EDGE OF SHOULDER OR FACE OF CURB OR FACE OF CURB **DETAIL D**

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

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.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)

M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

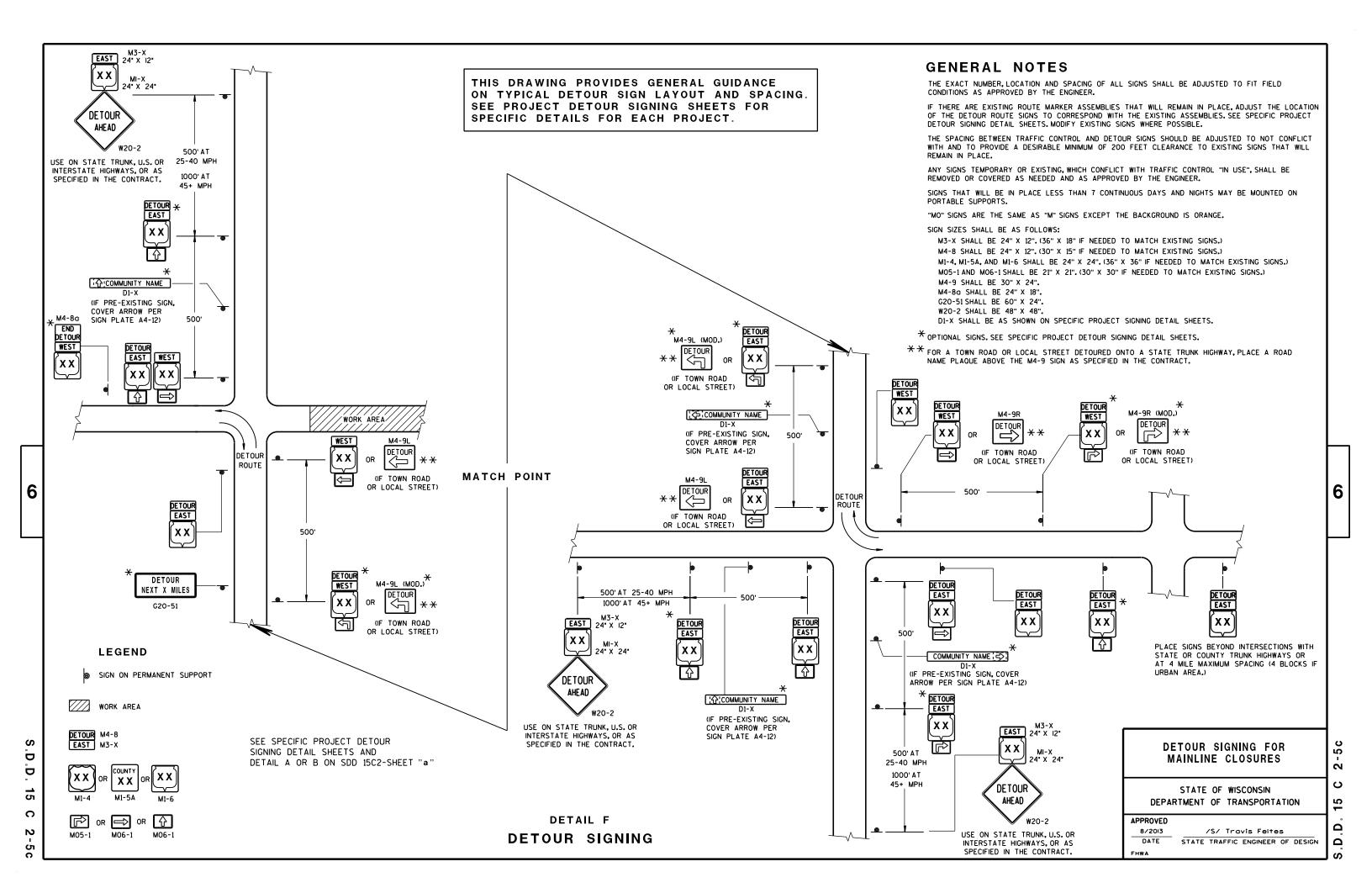
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

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GENERAL NOTES

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

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.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
RI1-2 SHALL BE 48" X 30".
RI1-4 AND RI1-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH
ATTACHED SIGN

(A) TYPE "A" WARNING LIGHT (FLASHING)

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WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 /S/ Travis Feltes

DATE STATE TRAFFIC ENGINEER OF DESIGN

S.D.D. 15 C 3-2

GENERAL NOTES

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

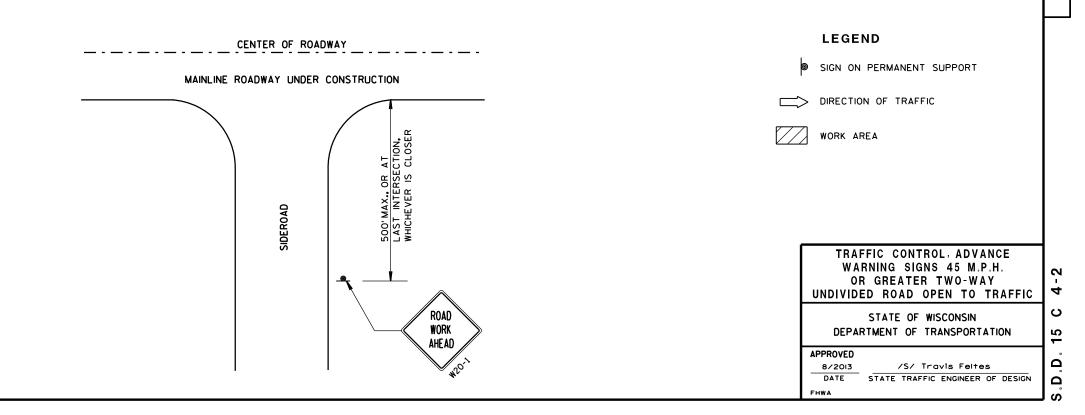
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

- $igspace{}{\bigstar}$ OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- * PLACE ADDITIONAL W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



GENERAL NOTES

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

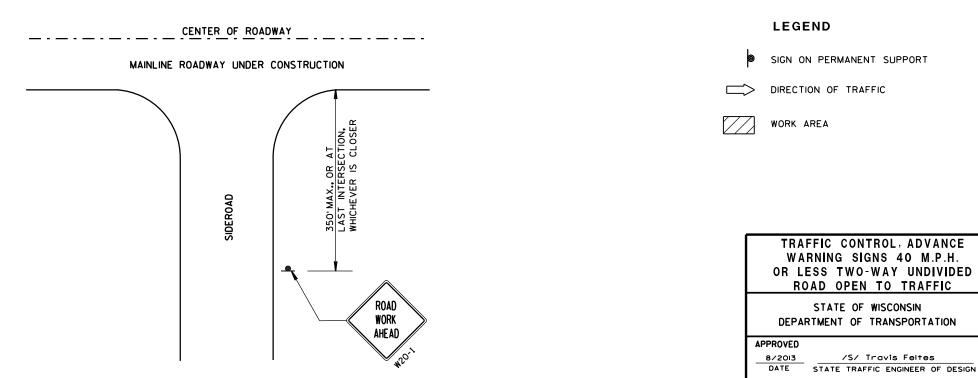
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

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

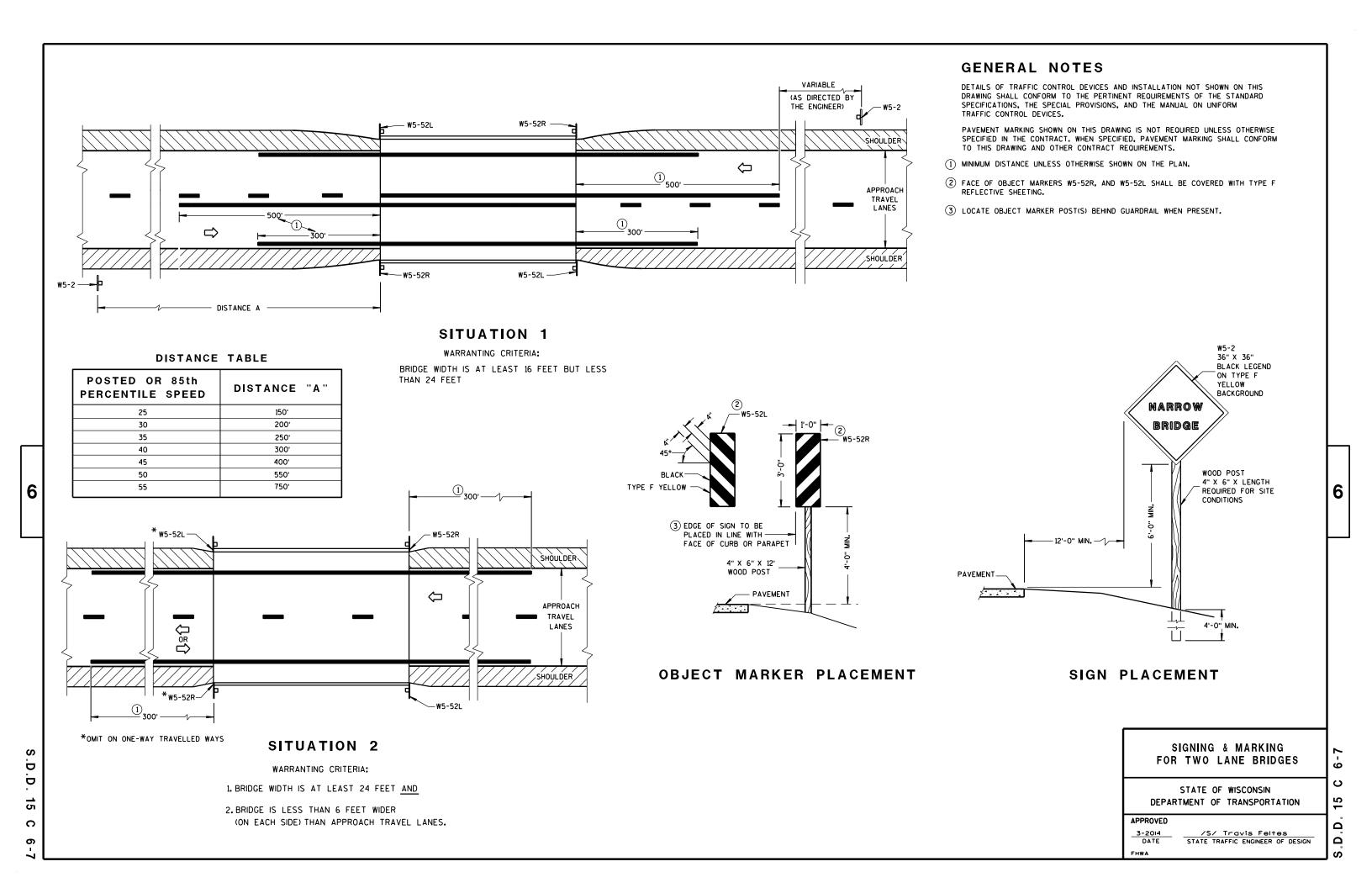


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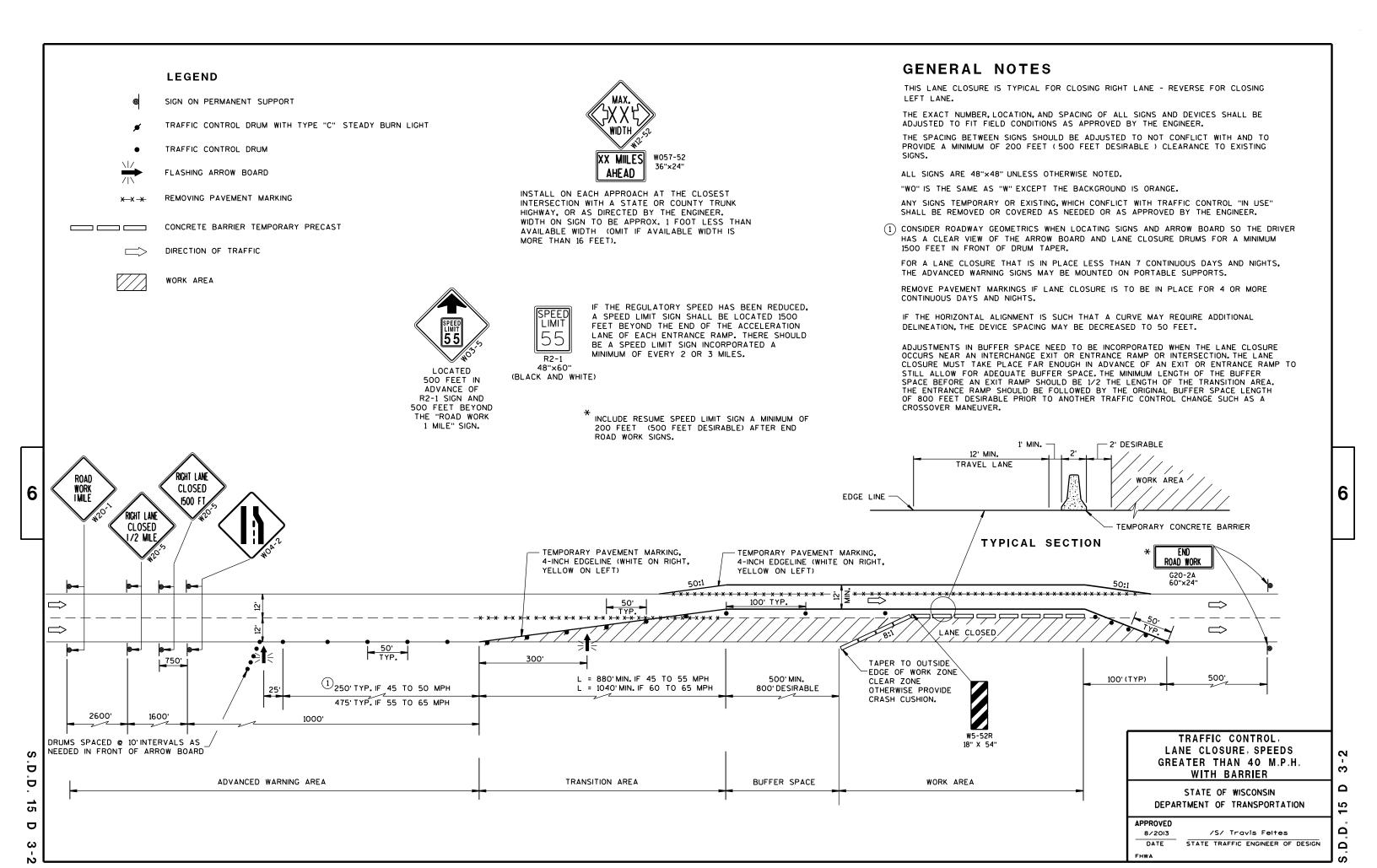
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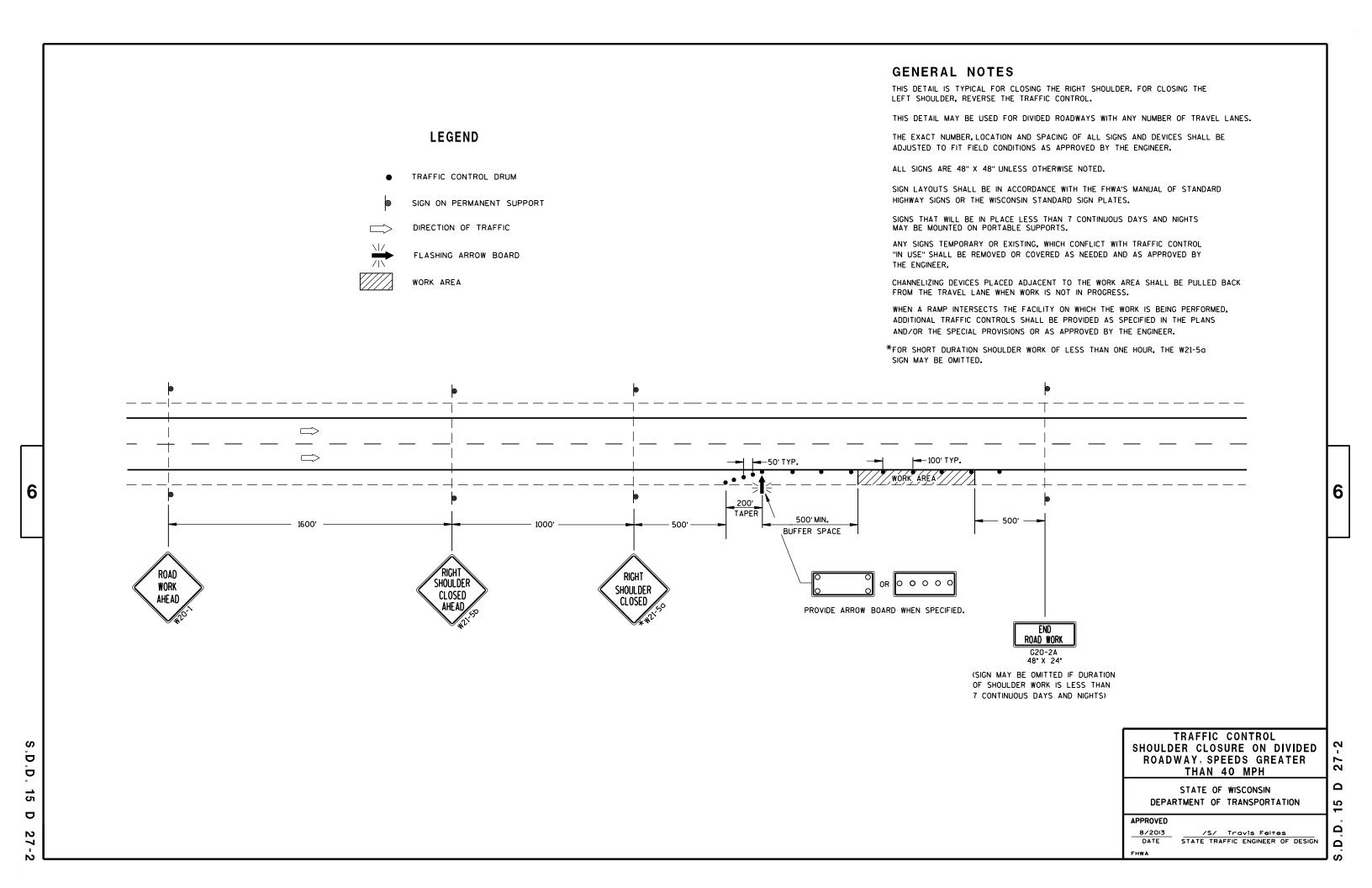
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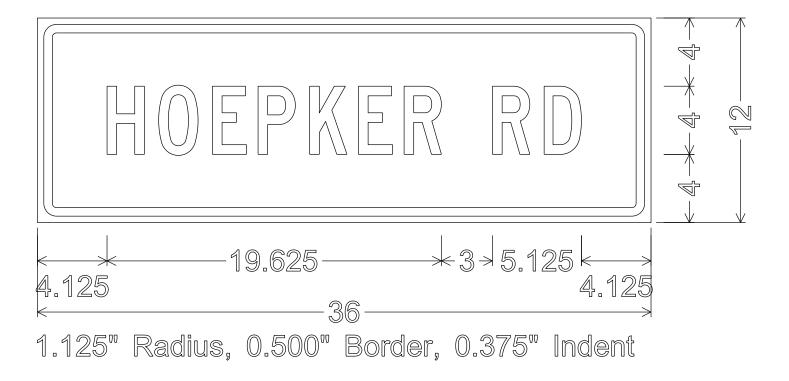
6











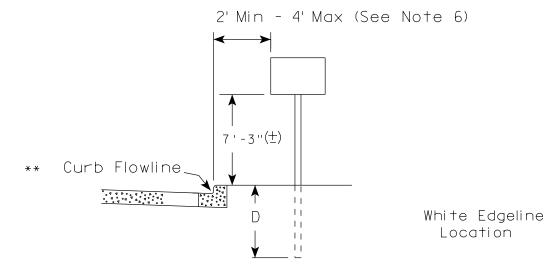
- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

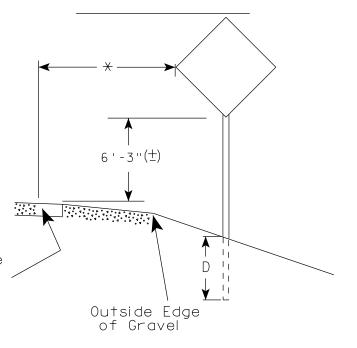
- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

HWY: COUNTY: SHEET NO: PROJECT NO:

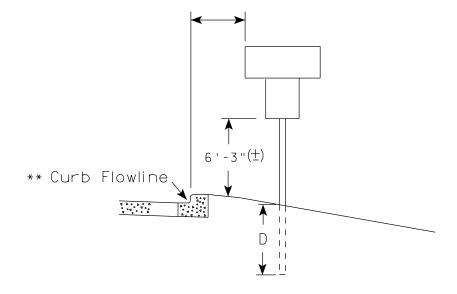
URBAN ARFA



RURAL AREA (See Note 2)



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



5'-3"(生) White Edgeline D^{-1} Location Outside Edae of Gravel

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where

there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

HWY:

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

PLOT BY: mscsja

GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (\pm).
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . 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'' (\pm).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 11/12/14

PROJECT NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43.DGN COUNTY:

PLOT DATE: 12-NOV-2014 14:03

PLOT NAME :

WISDOT/CADDS SHEET 42



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

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



ELEVATION VIEW

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



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

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42

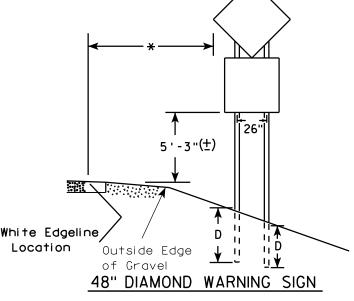
GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways. mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A2-1S) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 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 or less than 20 S.F. in area.

URBAN AREA RURAL AREA (See Note 3) 2'Min - 4'Max (See Note 6) ₩E# FF# 6'-3"(±) 6'-3"(±) 7'-3"(±) ** Curb ********\ Flowline D **7000** White Edgeline

2' Min - 4' Max (See Note 6) 6'-3"(±) Curb Flowline. 48" DIAMOND WARNING SIGN

D 11



COUNTY:

Outside Edge

of Gravel

	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRED	
	L	E
* * *	Greater than 48" Less than 60"	12"
	60" to 120"	L/5

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 120" less than 168"	12"

HWY:

White Edgeline,

Location

SIGN SHAPE OTHER THAN (FOUR POSTS REQUIRE	
L	E
168" and greater	12"

Location

Outside Edae

of Gravel

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

Matther

PLATE NO. A4-4.13

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

PROJECT NO:

PLOT DATE: 12-NOV-2014 14:01

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

SHEET NO:

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/12/14





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

DATE 2/05/15

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

For State Traffic Engineer

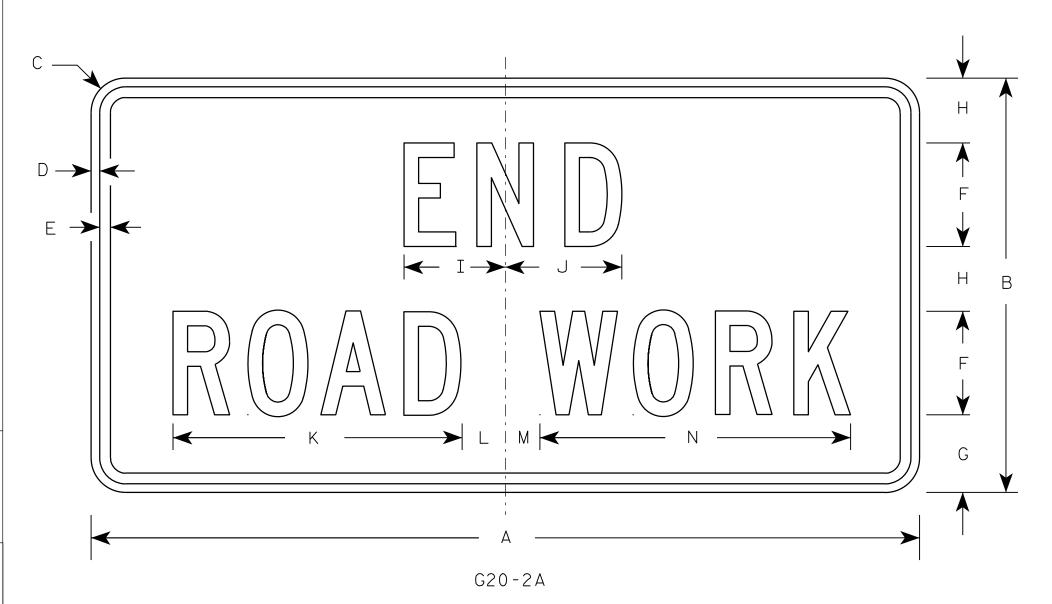


1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - Orange Message - Black

- 3. 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.



Metric equivalent for this sign is:

SIZE					
1	900	mm	Χ	450	mm
2	1200	mm	Х	600	mm
3	1200	mm	Х	600	mm
4	1200	mm	Х	600	mm
5	1200	mm	Х	600	mm

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	a	R	S	T	U	٧	w	Х	Y	Z	Area sq. ft.	Area m2
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 %	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 %	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 %	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	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2						·							8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Ra

For State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\G202A.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

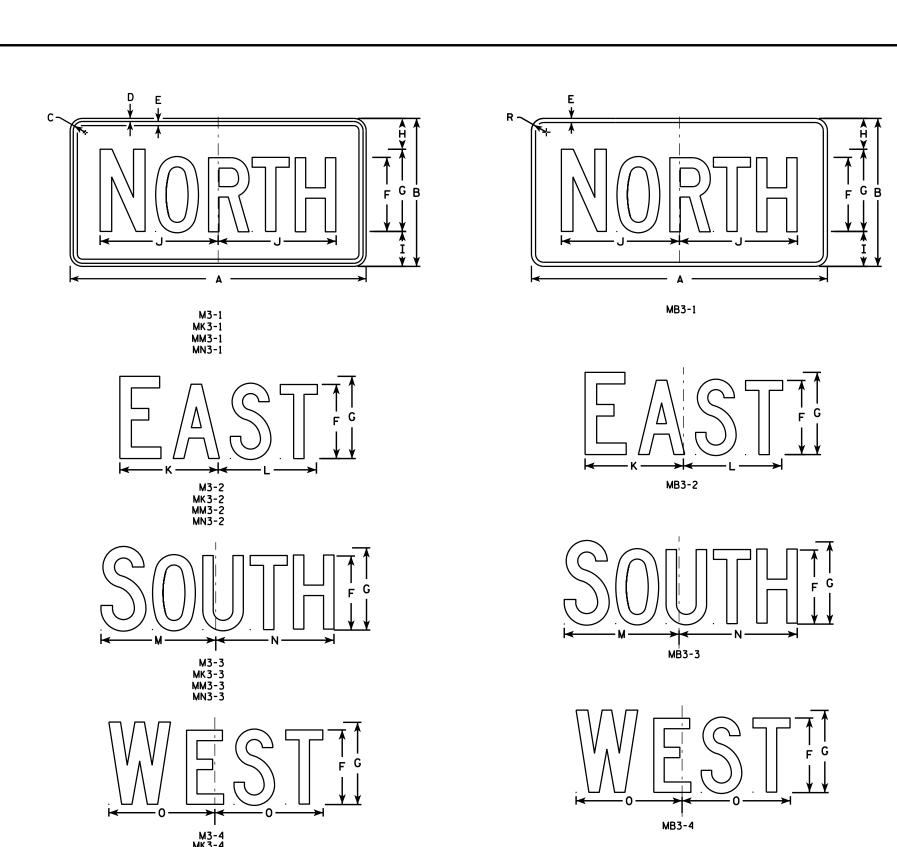
PLOT NAME :

PLOT BY : ditjph

PLOT SCALE : 5.561773:1.000000

WISDOT/CADDS SHEET 42

Ε



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

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M3-1 thru M3-4 Background White

Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

6. Note the first letter of each direction is larger than the remainder of the message.

	млэ-4																									
SIZE	Α	В	С	D	E	F	G	Н	I	J K	L	М	N	0	Р	0	R	S	T	U	v	W	Х	Y	Z	Areq sq. ft.
SIZE 1																										
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4 7 1/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8 12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8 12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8 12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch

For State Traffic Engineer

DATE 6/30/14 PLATE NO. M3-1.13

SHEET NO:

07.001/5...14.675054.4.000000

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M31.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-JUN-2014 12:53

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 11.675051:1.000000

- 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. Message Series B
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

	G
	F B G G G G G G G G G G G G G G G G G G
A M4 - 8	Y

Α С E F G H I J S Х Z D 0 10 10 1/4 1 1/8 3/8 3/8 24 2.0 3 36 1 1/8 3/8 1/2 4 1/2 14 5/8 14 1/2 4.5 4 5

COUNTY:

STANDARD SIGN M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

SHEET NO:

PROJECT NO:

HWY:

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. Message Series B
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

 $D \longrightarrow$ Н M4-8A

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	w	Х	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 ¾																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

COUNTY:

STANDARD SIGN M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther For State Traffic Engineer

SHEET NO:

DATE 3/9/11

PLATE NO. M4-8A.2

PLOT SCALE: 3.972696:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48A.DGN

HWY:

PROJECT NO:

PLOT DATE: 09-MAR-2011 10:29

PLOT BY: mscj9h

- Signs are Type II See Note 4 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M5-1 and M5-2 Background White Type H Reflective Message Black
 - MB5-1 and MB5-2 Background Blue

 Message White Type H Reflective
 - MG5-1 and MG5-2 Background Green

 Message White Type H Reflective
 - MK5-1 and MK5-2 Background Green
 - Message White Type H Reflective
 - MM5-1 and MM5-2 Background White Type H Reflective Message Green
- MN5-1 and MN5-2 Background Brown

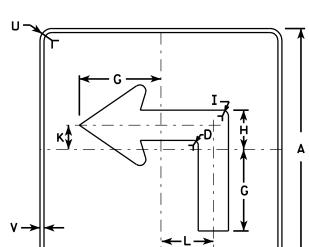
Message - White - Type H Reflective

- M05-1 and M05-2 Background Orange Type F Reflective Message - Black
- MP5-1 and MP5-2 Background White Type H Reflective Message Blue
- MR5-1 and MR5-2 Background Brown
 - Message Yellow Type H Reflective
- 5. M5-1R same as M5-1L except arrow points right.
- 6. M5-2R same as M5-2L except arrow tilts right.

c —	
D → E →	
Į.	←
·	M5-2L
	MK5-2L

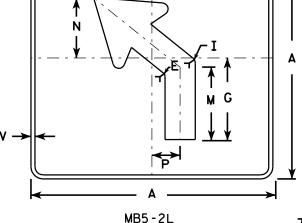
MK5-1L MM5-1L MO5-1L MP5-1L MR5-1L

M5-1L



MB5-1L MG5-1L MN5-1L

HWY:



MG5-2L

MN5-2L

MM5-2L

M05-2L

MP5-2L

MR5-2L

T A S

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	₩	Х	Y	Z	Areo sq. ft
1																											
2	21		1 1/8	3%	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 %	5 1/4	5	2 1/2		1/2	2 %	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7 /8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7 /8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 1/8	½		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer
DATE 7/29/13 PLATE NO. M5-1.12

SHEET NO:

PROJECT NO:

- 1. Signs are Type II Type H except as Shown
- 2. Color:

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-1 and M6-2 Background White

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MG6-1 and MG6-2 Background - Green

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

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

Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

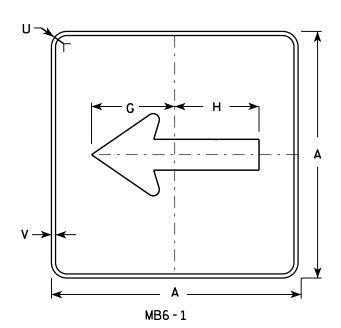
MR6-1 and MR6-2 Background - Brown

Message - Yellow

c —	
D ->	
	A
	M6 - 2
	MK 6 - 2



- MM6-2 MN6 - 2
- MO6-2
- MP6-2
- MR6-2



HWY:

M6 - 1

MK6-1

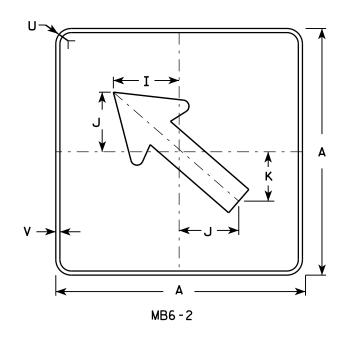
MM6 - 1

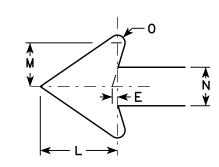
MN6-1

MO6 - 1

MP6-1

MR6-1





SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 %	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 %	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2**SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 7/03/14 PLATE NO. M6-1.14

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M61.DGN

PROJECT NO:

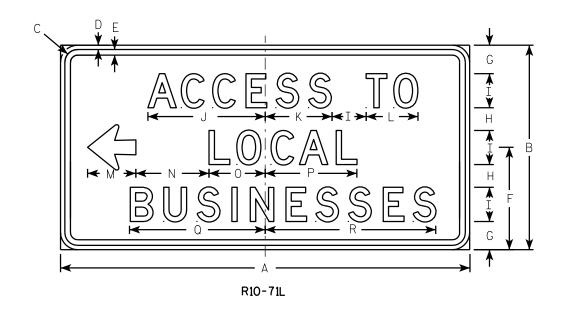
PLOT DATE: 03-JUL-2014 14:28

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 11.675051:1.000000

ACCESS TO THE HEAD OF THE HEAD OF THE SESTING THE HEAD OF THE SESTING THE HEAD OF THE PROPERTY OF THE PROPERTY

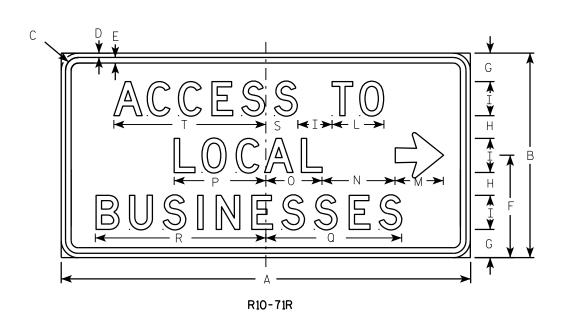


NOTES

- 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.



																											R10-71L&F	1
SIZE A		В	С	D	E	F	G	н	I	J	К	L	M	N	0	P	0	R	S	Т	U	٧	W	х	Y	Z	Area sq. ft.	Area sq. ft.
1																												
2S 7	2	36	2 1/4	3/4	1	18	5	4	6	20 %	11 3/4	9 1/8	8 1/2	12 1/8	9 %	16 1/8	23 1/8	30	5 %	26 ¾	66	23 %	8 3/4	13	26 1/8	27	18.0	16.5
2M 7	2	36	2 1/4	3/4	1	18	5	4	6	20 %	11 3/4	9 1/8	8 1/2	12 1/8	9 %	16 1/8	23 %	30	5 %	26 ¾	66	23 %	8 3/4	13	26 1/8	27	18.0	16.5
3																												
4																												
5																												

STANDARD SIGN R10-71

WISCONSIN DEPT OF TRANSPORTATION

Matther & Kauch

For State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-71.3

SHEET NO:

- 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.

C	<u> </u>
	$ \begin{array}{c c} G \\ \hline F \\ \hline H \\ B \\ \hline G \\ \hline \end{array} $
← A	→
R11-2B	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Areg sq. ft.
1																											
25	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0

STANDARD SIGN R11-2B

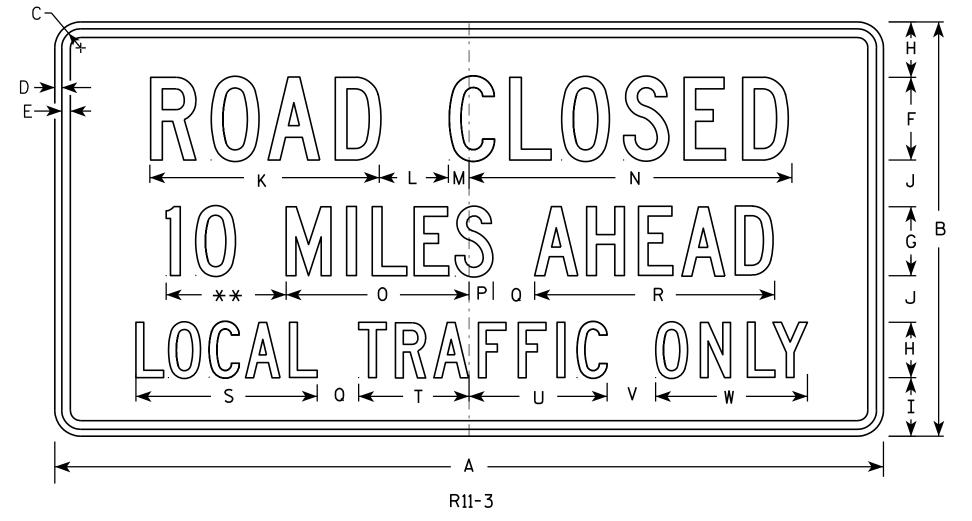
WISCONSIN DEPT OF TRANSPORTATION

Matthew R Rauch

DATE 4/1/11 PLATE NO. R11-2B-2

SHEET NO:

PROJECT NO:



- 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 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. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

** See Note 5

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Ρ	0	R	S	Т	J	٧	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 ¾	8 3/8	4 3/4	6 1/2	2	6 3/4				4.5
2S	60	30	1 3/8	1/2	5%	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 %	16 %	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch

DATE 4/1/11 PLATE NO. R11-3.6

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R113.DGN

HWY:

PROJECT NO:

PLOT DATE: 01-APR-2011 14:20

PLOT NAME :

PLOT BY: mscj9h

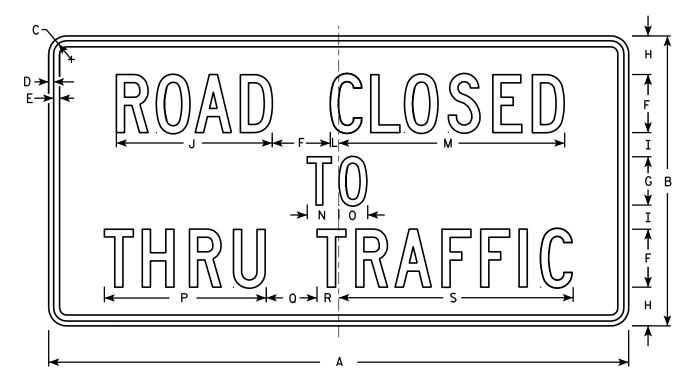
PLOT SCALE: 6.952216:1.000000

WISDOT/CADDS SHEET 42

- 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 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.



R11-4

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7 /8	23 ¾	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7∕8	23 ¾	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-4.3

SHEET NO:

HWY:

COUNTY:

PLOT NAME :

PLOT SCALE: 9.931739:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R114.DGN

PROJECT NO:

PLOT DATE: 01-APR-2011 14:11 PLOT BY: mscj9h

- 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 See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1, 2 & 3 are series E Lines 4,5, & 6 are series D.
- 6. Substitute appropriate numeral and optically adjust spacing to achieve proper balance.
- 7. Substitute name of county or town on County Trunk and Town Highways respectively. Community name on City or Village Streets including Connecting Highways is optional.

* Varies (see note 6)

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1	24	30	1 1/8	3∕8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 1/8	9	9 1/2	6	6 1/2	7 1/8	6 1/8	3 1/4	3 %	7 3/4			5.0
2S	24	30	1 1/8	3∕8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 %	9	9 1/2	6	6 1/2	7 1/8	6 %	3 1/4	3 %	7 3/4			5.0
2M	24	30	1 1/8	3∕8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 %	9	9 1/2	6	6 1/2	7 1/8	6 %	3 1/4	3 %	7 3/4			5.0
3	36	48	1 3/8	1/2	5/8	6	10	8	4 1/2	2 1/2	2 1/4	1 1/2	3/4	1/2	3	13 1/2	14 1/4	9	9 3/4	10 %	10 1/4	3 1/4	3 %	7 3/4			12.0
4	48	60	2 1/4	₹4	1	6	12	8	6	2 1/2	4 1/2	2 3/4	1 1/2	1	3 3/4	18	19	12	13	14 1/4	13 3/4	6 1/2	7 1/4	15 1/2			20.0
5																											

STANDARD SIGN R12-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Fer State Traffic Engineer DATE 4/1/11

SHEET NO:

PLOT NAME :

PLOT DATE: 01-APR-2011 13:33

PLOT BY: mscj9h

PLOT SCALE: 5.363138:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. R12-1.8

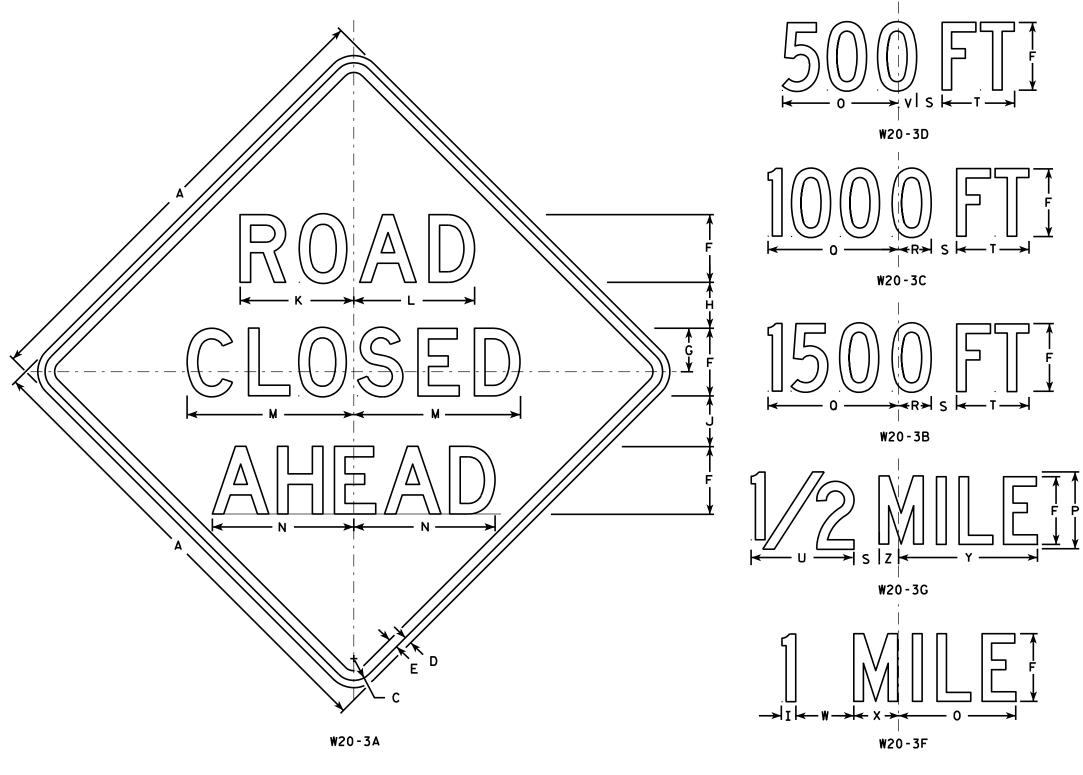
PROJECT NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R121.DGN

HWY:

COUNTY:





- 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. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1 and 2 are Series D. Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	w	х	Y	Z	Areo sq. ft.
1	36		1 %	5/8	₹4	5	3 3/8	3 ½	1 1/8	4	8 3%	8 %	12 1/2	11	9	6	10 1/8	2 1/2	1 %	5 %	8	1 3/8	4 1/2	3 1/2	10 ¾	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 ¾	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 ¾	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 5/8	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
	-		- , -	, -	_		, , .				,			- ,0			, -	- 70	_ , ,	, -	70	- 70		, ,	- ,0	- 70	

STANDARD SIGN W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

DATE 3/18/11

For State Traffic Engineer
PLATE NO. W20-3.7

SHEET NO:

HWY:

COUNTY:

PLOT NAME :

PLOT SCALE: 9.931739:1.000000

PROJECT NO:

TOTAL ESTIMATED QUANTITIES

	NUMBER	BID ITEMS	UNIT	TOTAL
	502.2000	COMPRESSION JOINT SEALER PREFORMED ELASTOMERIC 3-INCH	LF	62
	502.3100	EXPANSION DEVICE B-13-100	LS	1
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	760
	502.5005	MASONRY ANCHORS TYPE L NO.5 BARS	EACH	58
	505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	1440
	506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	16
	506 .7 050 . S	REMOVING BEARINGS B-13-100	EACH	16
	509.0301	PREPARATION DECKS TYPE 1	SY	205
	509.0302	PREPARATION DECKS TYPE 2	SY	100
	509.1000	JOINT REPAIR	SY	17
	509.1200	CURB REPAIR	LF	60
	509.1500	CONCRETE SURFACE REPAIR	SF	320
	509.2000	FULL-DEPTH DECK REPAIR	SY	10
Δ	509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	7 2
	509.9005.S	REMOVING CONCRETE MASONRY DECK OVERLAY	SY	610
lacksquare	51 7. 3000.S	STRUCTURE OVERCOATING CLEANING AND PRIMING B-13-100	LS	1
	517.4000.S	CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-13-100	LS	1
\times	SPV.0060	CLEANING AND PAINTING BEARINGS	EACH	4
	SPV.0060	MASONRY ANCHORS TYPE L NO.8 BARS SPECIAL	EACH	8
	SPV.0060	PIN REPLACEMENT	EACH	1
	SPV.0060	RAILING REPAIR	EACH	1
	SPV.0105	PERMANENT CRIBBING	LS	1
		NON-BID ITEMS:		
		BRIDGE SEAT PROTECTION	LS	1

- CONCRETE SURFACE REPAIR ON SUBSTRUCTURE AS DIRECTED BY THE FIELD ENGINEER.
- ⚠ BID ITEM INCLUDES CONCRETE FOR PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, JOINT REPAIR, CURB REPAIR, AND FULL-DEPTH DECK REPAIR.
- BID ITEM INCLUDES MASONRY ANCHORS FOR ANCHORED LAMINATED ELASTOMERIC BEARINGS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

PLAN

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. DIMENSIONS SHOWN ARE BASED ON THE EXISTING ORIGINAL STRUCTURE PLANS. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK, JOINT REPAIR SURFACES AND THE CURB FROM END TO END.

ANY EXCAVATION NECESSARY TO COMPLETE THE OVERLAY OR JOINT REPAIR AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

APPLY BRIDGE SEAT PROTECTION, PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF ALL ABUTMENTS BELOW EXPANSION DEVICES, POWER WASH AND ADEQUATELY DRY SURFACES BEFORE APPLICATION. WORK TO BE INCIDENTAL TO "JOINT REPAIR".

CONTACT THE STRUCTURES DESIGN SECTION BEFORE PLACEMENT OF OVERLAY IF THE AVERAGE THICKNESS OF THE NEW OVERLAY WILL EXCEED THE AVERAGE OVERLAY SHOWN ON THE PLANS BY MORE THAN 1/2".

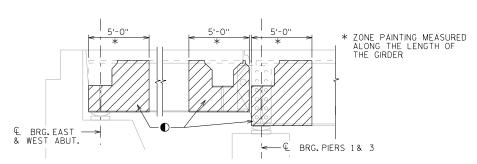
- ◆ CLEAN AND PAINT ALL EXISTING EXPOSED SUPERSTRUCTURE STEEL WITHIN 5'-0" OF THE ENDS OF GIRDERS (BOTH ABUTMENTS AND PIERS 1 & 3) INCLUDING GIRDERS, DIAPHRAGMS AND HARDWARE. THE COLOR SHALL BE BLUE (FEDERAL COLOR #25240) OR SIMILAR COLOR APPROVED BY THE FIELD ENGINEER.
- CLEAN AND PAINT ALL BEARINGS AT PIER 2. FINISH COLOR IS TO BE BLUE (FEDERAL COLOR #25240) OR SIMILAR COLOR APPROVED BY THE ENGINEER.

ALL CONCRETE REMOVAL NOT COVERED WITH A CONCRETE OVERLAY SHALL BE DEFINED BY A 1 INCH DEEP SAW CUT.

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, FULL-DEPTH DECK REPAIR, CURB REPAIR AND CONCRETE SURFACE REPAIR AREAS ARE FOR INFORMATIONAL PURPOSES ONLY AND FINAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER. PREPARATION DECKS TYPE 2 AREAS ESTIMATED AT APPROXIMATELY 50% OF TYPE 1 AREAS FOR THIS BRIDGE

PERMANENT CRIBBING TO BE PLACED AT ALL BEARINGS ON PIERS 1 AND 3, TO BE PAID FOR UNDER BID ITEM "PERMANENT CRIBBING".

ADJUSTMENTS TO PLAN HEIGHTS OF PROPOSED BEARINGS OR PERMANENT CRIBBING SHALL BE THE CONTRACTORS RESPONSIBILITY AND CONSIDERED INCIDENTAL TO THE RESPECTIVE BID ITEMS.



ZONE PAINTING DETAIL

STRUCTURE DESIGN CONTACTS: EMILY KUEHNE (608) 266-5089 AARON BONK (608) 261-0261

NO. DATE

BY REVISION

LIST OF DRAWINGS

TO REMAIN

1. CONCRETE OVERLAY

CURB REPAIR DETAIL

PROVIDE 2 MIN. COVER-

- 2. JOINT REPAIR
- 3. EXPANSION JOINT DETAILS

1/2" MIN. BEHIND REBAR OR TO SOUND CONCRETE

- 4. COVER PLATE DETAILS

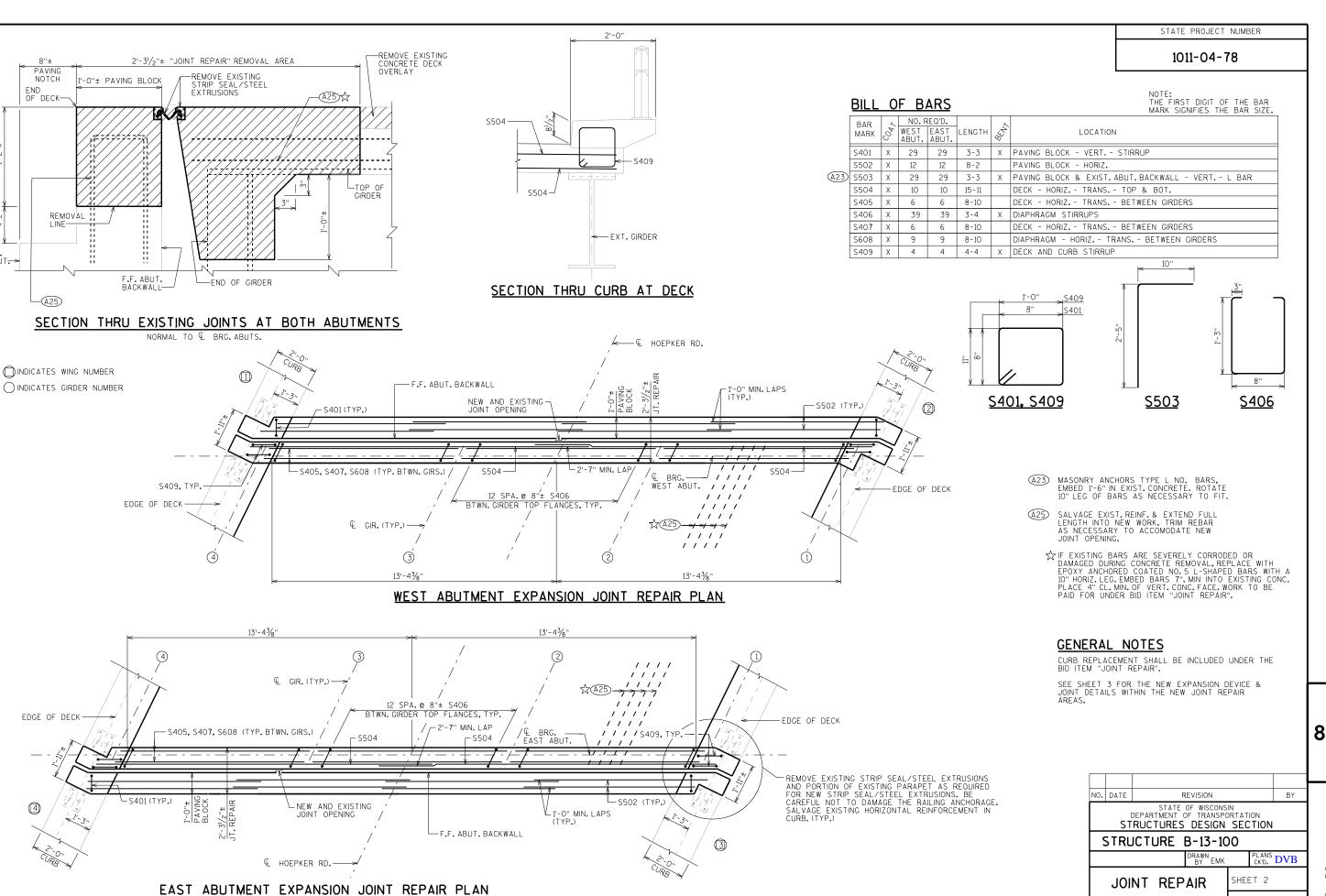
- 9. PERMANENT CRIBBING
- 5. COMPRESSION JOINT SEALER 6. REPAIR DETAILS 7. BEARING REPLACEMENT 1 8. BEARING REPLACEMENT 2



TOWN/CITY/VILLAGE DANE DESIGN SPEC. REHABILITATION DESIGN EMK CK'D. DVB BY EMK CK'D. DVB SHEET 1 OF CONCRETE

OVERLAY

BURKE

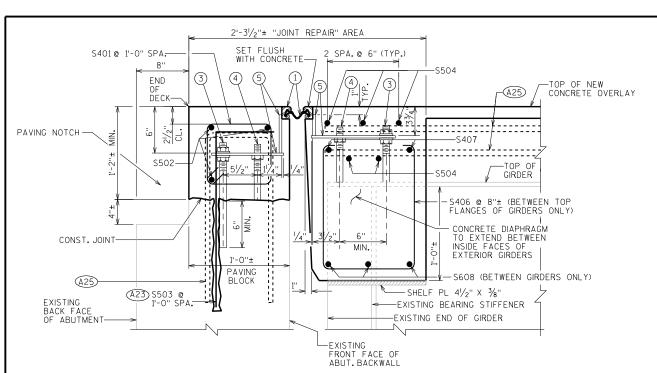


B.F.

SCALE = 2.0

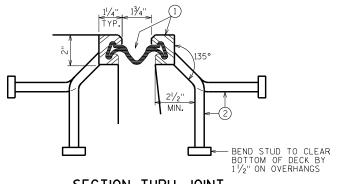
LEGEND

- 1) NEOPRENE STRIP SEAL (4 INCH) AND STEEL EXTRUSIONS.
- STUDS $\%" \phi$ X $6\,\%"$ LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.
- $!/_2"$ Thick anchor plate with $5/_8" \phi$ Rod (or alternate strip seal anchor). Weld Rod to anchor plate, weld anchor plate to No.1 at 1'-6" centers between Girders.
- $\ensuremath{\mathcal{Y}}_4$ " ϕ threaded rod $\,$ with 2 nuts and plate Washers. Weld threaded rod to top flange or attach by Bolting thruflange. On abutment side grout threaded rod into field drilled holes in abutment backwall as shown.
- (4) 3/4" THREADED ROD WITH NUT. TACK WELD NUT TO NO.5.
- FABRICATE SUPPORT FROM 3" X 1/2" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1/2" ϕ HOLE FOR NO. 3 AND 1" ϕ HOLE FOR NO. 3
- (6) ANCHOR STUDS 5/8" \$\phi X 63/8" LONG. WELD TO NO. 8 & 9 AS SHOWN.
- 7) 3/4" \$\phi x 1!/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS & HEX HEAD NUT. PLACE IN COUNTER SUNK HOLE. WELD TO NO. 8. PROVIDE NUT WITH 1" DEEP PLASTIC CAP OVER NUT TO KEEP CONC. FROM ENTERING BOLT CAVITY.
- (8) PLATE $3\!/\!_{8}$ " X LIMITS SHOWN. CUT TO CLEAR BLOCK OUT.BEND AS SHOWN. PROVIDE HOLES FOR NO.7.
- (9) PLATE 3/8" X LIMITS SHOWN. CUT TO CLEAR BLOCK OUT. BEND AS SHOWN.
- (I) PLATE $\frac{3}{8}$ " X LIMITS SHOWN. PROVIDE COUNTERSUNK HOLES FOR NO.7. BEND AS SHOWN.
- (11) BAR 1" X $\frac{3}{8}$ " LIMITS SHOWN. WELD TO NO.9. BEND AS SHOWN.

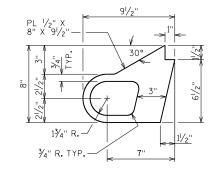


SECTION THRU NEW EXPANSION JOINTS AT BOTH ABUTMENTS

NORMAL TO & BRG. ABUTS.

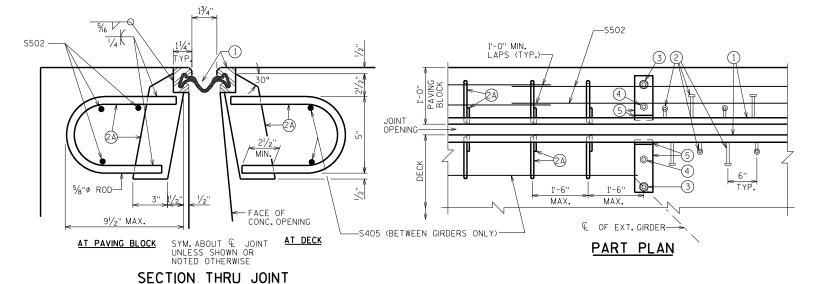


ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS.



ALTERNATE STRIP SEAL ANCHOR

SECTION THRU JOIN1 EXTERIOR GIRDER TO EDGE OF DECK & AT PARAPETS



GENERAL NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS. IF USED, DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST & SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN & SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES & EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING THE PLATES & EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

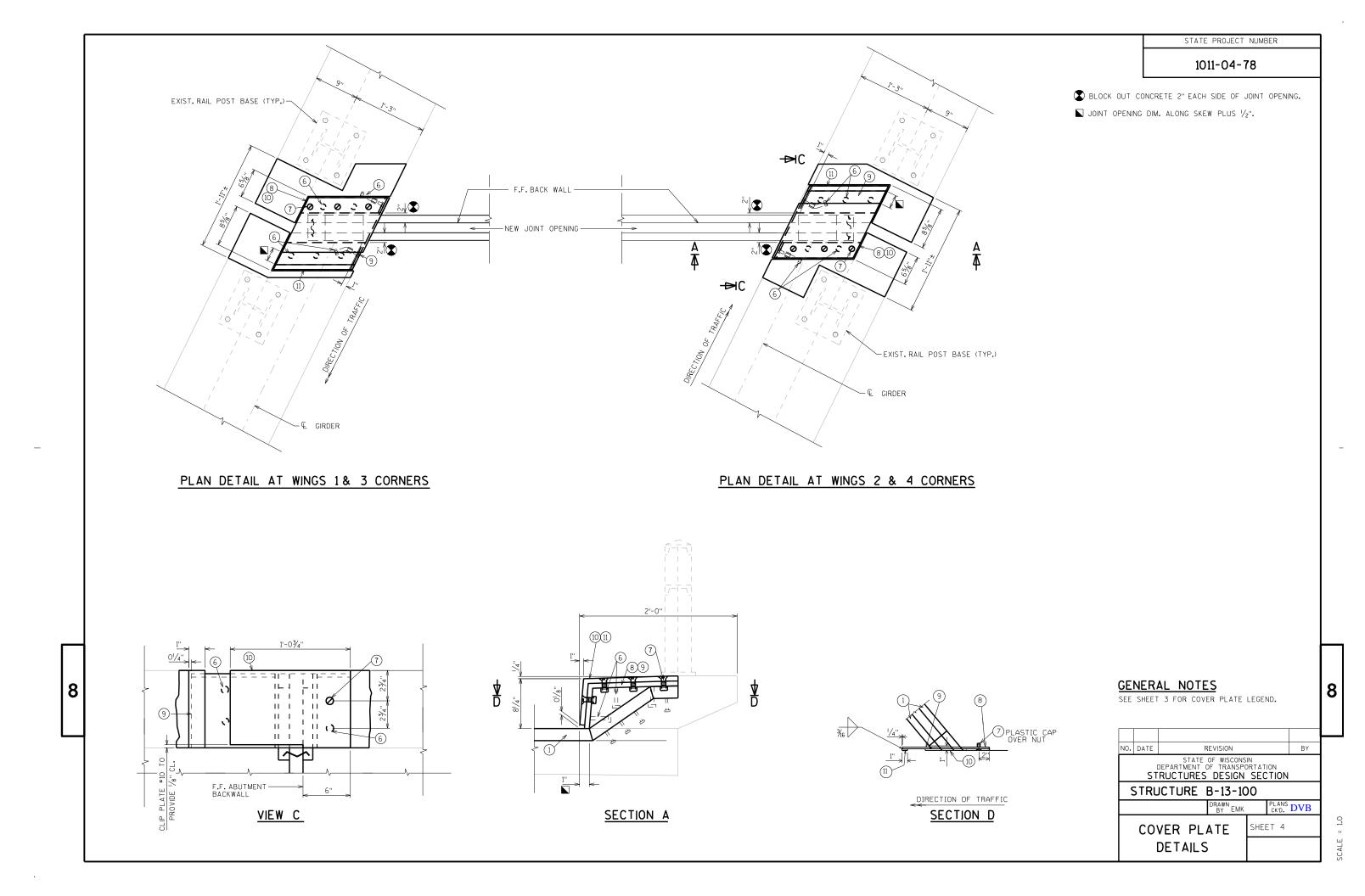
STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS & HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICE B-13-100".

(A23) MASONRY ANCHORS TYPE L NO. BARS, EMBED 1'-6" IN EXIST. CONCRETE. ROTATE 10" LEG OF BARS AS NECESSARY TO FIT.

SALVAGE EXIST. REINF. & EXTEND FULL LENGTH INTO NEW WORK. TRIM REBAR AS NECESSARY TO ACCOMODATE NEW JOINT OPENING.

NO. DATE REVISION BY STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION STRUCTURE B-13-100 RAWN BY EMK CK'D. DVB **EXPANSION JOINT** DETAILS

8

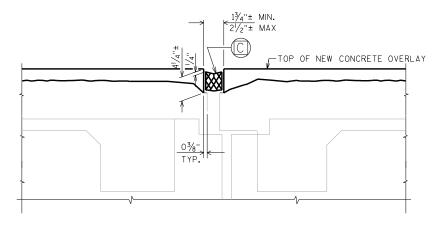


COMPRESSION JOINT SEALER PREFORMED ELASTOMERIC

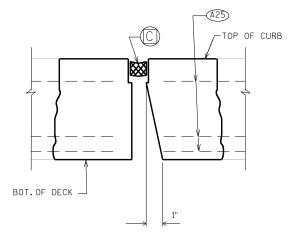
(A25) SALVAGE EXIST. REINF. & EXTEND FULL LENGTH INTO NEW WORK. TRIM REBAR AS NECESSARY TO ACCOMODATE NEW JOINT OPENING.

<u>NOTES</u>

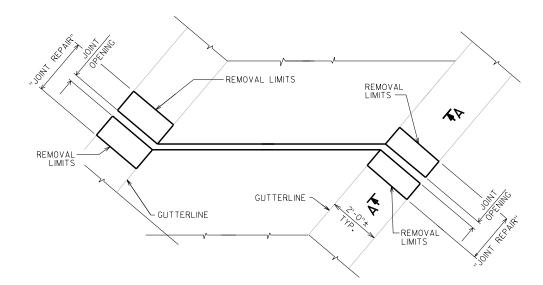
REMOVAL LIMITS TO BE DETERMINED BY FIELD ENGINEER.



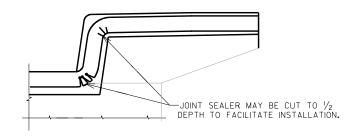
SECTION THRU PROPOSED JOINT AT PIERS 1 & 3



SECTION A



PLAN OF JOINT AT PIERS 1 & 3



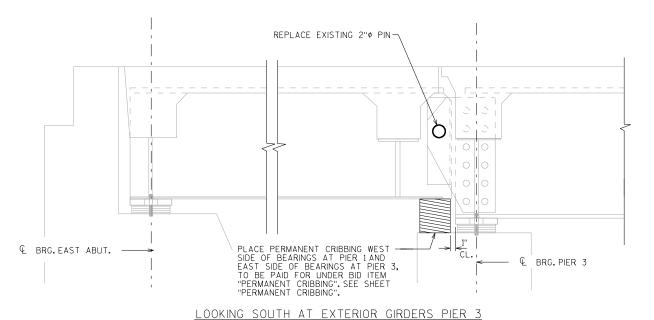
SECTION AT CURB

NO. DATE BY REVISION STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION STRUCTURE B-13-100 PLANS DVB

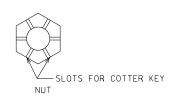
> **COMPRESSION** JOINT SEALER

SHEET 5

8



 $/-\frac{3}{6}$ " PL WASHER WITH 2 $\frac{1}{8}$ " HOLE



NEW PIN DETAIL

<u>NOTES</u>

REPLACE EXISTING PIN WITH A $2l^{\prime}_{2}$ TAINLESS STEEL PIN CONFORMING TO ASTM 276, TYPE S20161 OR EQUAL.

BORE OUT EXISTING PIN HOLE TO A DIAMETER EQUAL TO THE NEW PIN DIAMETER PLUS 0.005" TO 0.02". GREASE INSIDE SURFACE OF HOLE. BORING PROCEDURE TO BE APPROVED BY FIELD ENGINEER.

GIRDER TO BE SUPPORTED DURING RETRO-FIT.

ALL MATERIAL AND WORK INVOLVED SHALL BE PAID FOR IN BID ITEM "PIN REPLACEMENT".

- € EXISTING RAILING PROVIDE 1/8"\$ HOLES THRU NEW PLATE FOR CONCRETE MASONRY ANCHOR, TYPE S (EPOXY ANCHORED), 1/8"\$ X 9" LONG, EMBEDDED 6" INTO EXISTING CONCRETE ON SOUTHEAST WING RAILING BASE PLATE, LOCATION TO BE VERIFIED BY FIELD ENGINEER, THE TOP 3" OF THE ANCHOR BOLT SHALL BE THREADED. THE ANCHOR BOLT, WASHER, AND NUT SHALL BE INCIDENTAL TO THE BID ITEM "RAILING REPAIR". EXISTING BASE PLATE 31/2" -EXISTING TOP OF CURB -EXISTING 1½8"¢ HOLE FOR ½8"¢ BOLT, TYP. · € EXISTING 7/8" # BOLTS SHIM UNDER PLATE EXISTING RAILING PL 6"X5"X¹/4" INCIDENTAL TO THE BID ITEM "RAILING REPAIR". -MISSING/BROKEN ANCHOR BOLT

SE WING BASE PLATE/ANCHOR BOLT REPAIR DETAILS

CROSS SECTION THRU CURB AND RAILING

PIN REPLACEMENT DETAILS

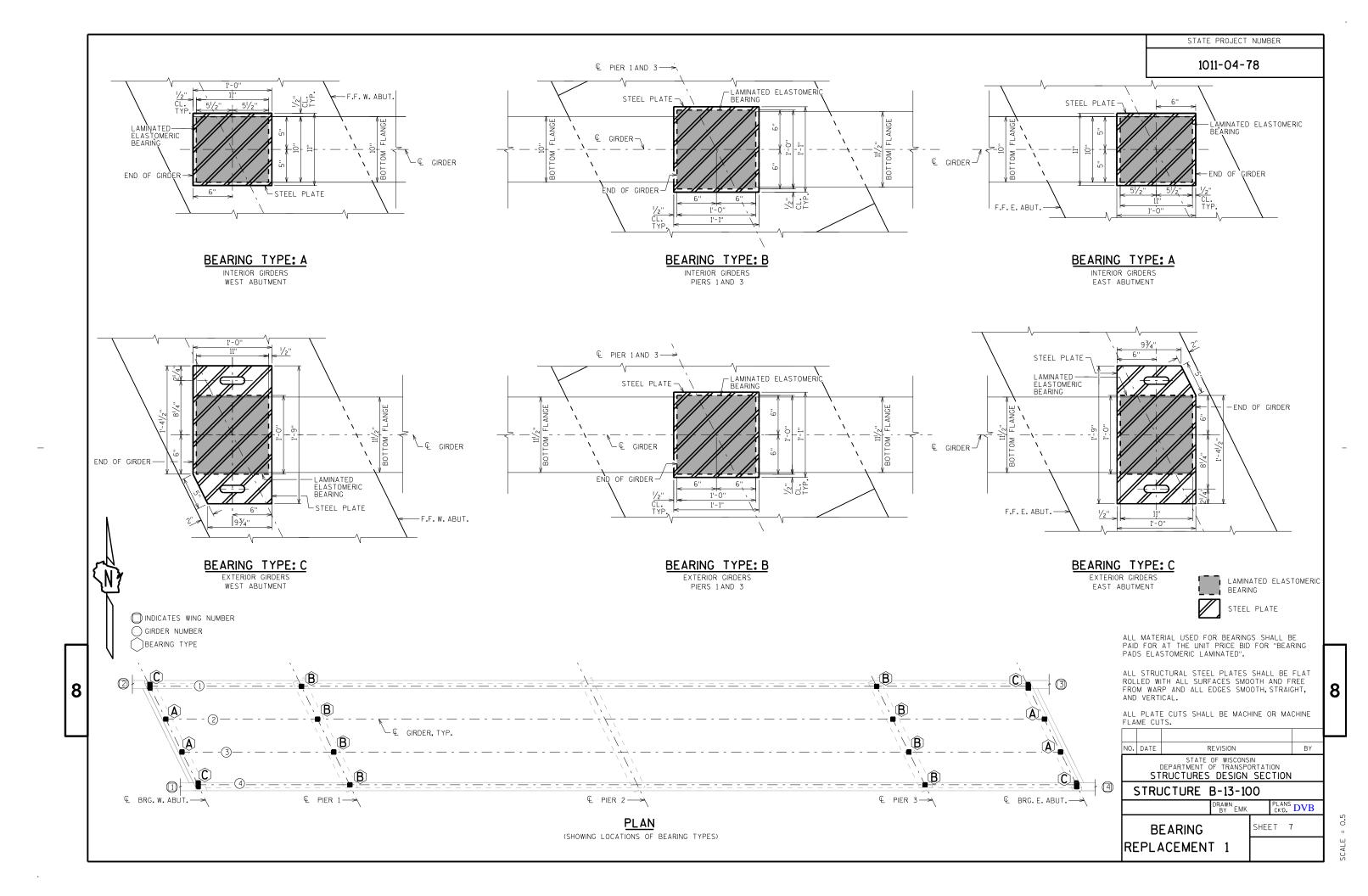
POST BASE PLATE DETAIL

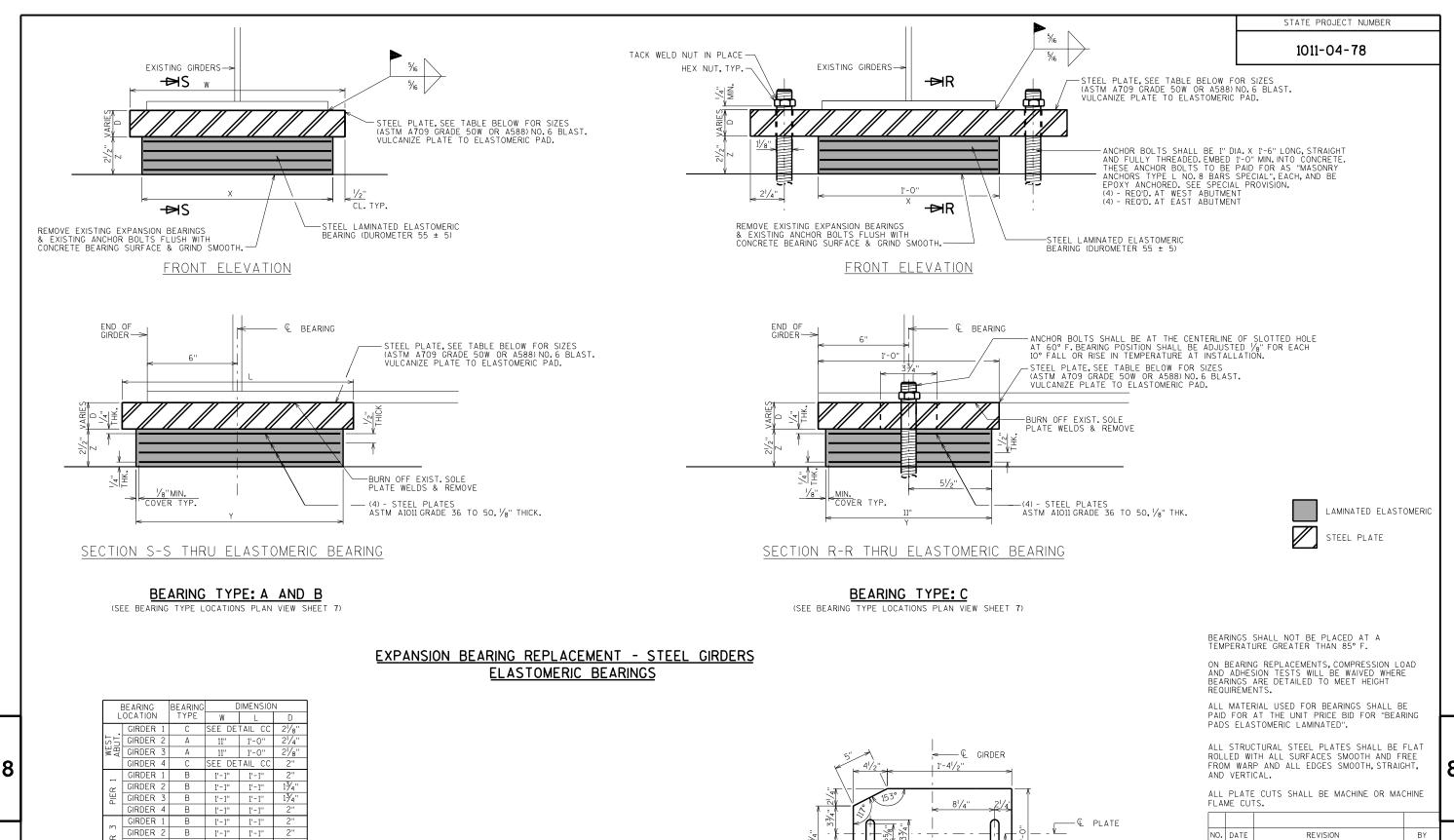
NOTES

ANCHOR BOLT, NUT AND WASHER SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLT, NUT, AND WASHER SHALL BE GALVANIZED

PLATE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 36.

NO.	DATE			REVISION			BY					
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION											
(STRL	JCTI	JRE	B-13-10	00							
				DRAWN BY EMK		PLANS CK'D.	DVB					
F	REPA	٩IR	DET	AILS	SHE	ET 6						





% " R.

DETAIL CC

TYPE C STEEL PLATE

101/21

101/2

REVISION BY STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION STRUCTURE B-13-100 RAWN BY EMK CK'D. DVB SHEET 8 REPLACEMENT 2

BEARING

STEEL PLATE SIZES

GIRDER 3

GIRDER 4

GIRDER 1

GIRDER 2

GIRDER 3

1'-1" 1'-1"

1'-1" 1'-1"

SEE DETAIL CC

A 11" 1'-0"

C SEE DETAIL CC

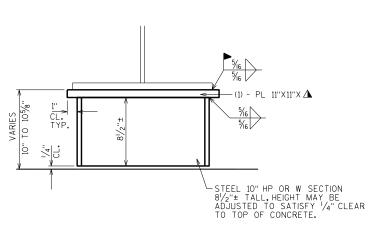
DIMENSION NUMBER REARING REQUIRED 10" 11" 21/2" 4

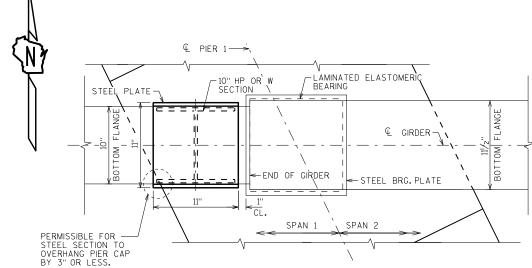
8

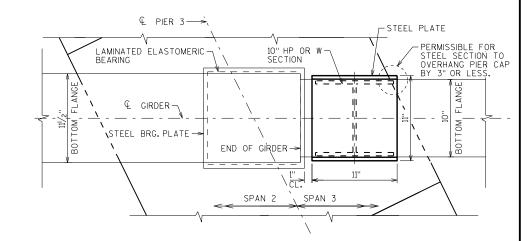
LAMINATED ELASTOMERIC SIZES

1'-0" 1'-0" 21/2"









INTERIOR GIRDERS PIERS 1 AND 3

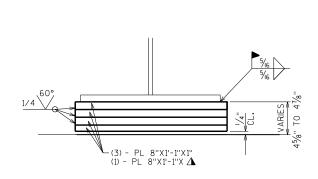
FRONT ELEVATION

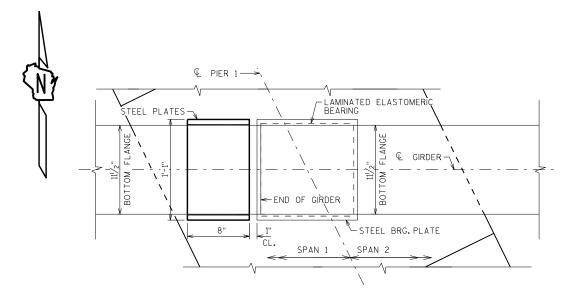
INTERIOR GIRDERS

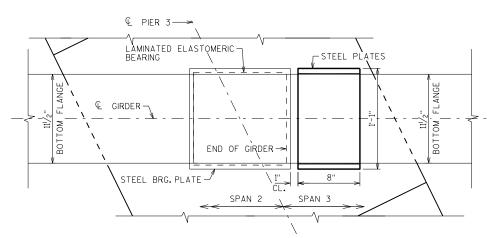
PIER 1

INTERIOR GIRDERS

DIED 3







EXTERIOR GIRDERS PIERS 1 AND 3

FRONT ELEVATION

EXTERIOR	GIRDERS
PIER	1

EXTERIOR GIRDERS
PIER 3

				Δ
	CI L(PLATE THK.		
	PIER 1	GIRDER	1	13/8''
		GIRDER	2	11/4"
		GIRDER	3	11/4"
		GIRDER	4	13/8''
	٦ 3	GIRDER	1	15/8''
		GIRDER	2	17/8''
	PIER	GIRDER	3	13/4"
		GIRDER	4	13/8"

STEEL PLATE THICKNESS

PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 36.

ALL MATERIAL USED FOR PERMANENT CRIBBING SHALL BE PAID FOR UNDER BID ITEM "PERMANENT CRIBBING".

ALL STRUCTURAL STEEL PLATES SHALL BE FLAT ROLLED WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

NO	DATE	r	DEVICION			BV	
NO. DATE REVISION BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION							
,	STRUCTURE B-13-100						
			DRAWN BY EMK		PLANS CK'D.	DVB	
PERMANENT			SHEET 9				
	CI						

8

L C

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Wisconsin Department of Transportation

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