WIS MARCH 2023

PROJECT

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6

44-02-70

ORDER OF SHEETS

Section No 1 Title Section No. 2 Typical Sections and Details Section No. Estimate of Quantities 3 Section No. Miscellaneous Quantities 3 Right of Way Plat Section No. Λ Section No. Plan and Profile Section No. Standard Detail Drawings Section No. Sign Plates Section No. Structure Plans Sec)ata

tion No.	9	Computer Earthwork D
tion No.	9	Cross Sections

TOTAL SHEETS = 74

Sec



DESIGN DESIGNATION

A.A.D.T.	2023	=	2930
A.A.D.T.	2043	=	3510
D.H.V.		=	407
D.D.		=	60/40
Т.		=	14.8%
DESIGN SPEED		=	30 MPH
ESALS		=	840,000





WOODED OR SHRUB AREA

	LLLCII
	FIBER (
►	GAS
M	SANITA
-CAUTION-	STORM
~/~ `	TELEPH
	WATER
	UTILIT
	POWE
ليستسب	TELEPH

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STATE OF WISCONSIN

LOC STR



FILE NAME : G:\00\00177\00177037\CADD\SHEETSPLAN\010101-TI.DWG

PLOT NAME

PLOT BY :

BRAD LEE

DESIGN CONTACT

MSA PROFESSIONAL SERVICES, INC. 1230 SOUTH BOULEVARD BARABOO, WI 53913 ATTN: QUIRIN KLINK, PE PHONE: (608) 355-8890 EMAIL: QKLINK@MSA-PS.COM

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES CASEY JONES DNR WISCONSIN RAPIDS SERVICE CENTER 473 GRIFFITH DRIVE WISCONSIN RAPIDS, WI 54494 PHONE: (715) 213-6571 EMAIL: CASEY.JANES@WISCONSIN.GOV

UTILITIES

OVERHEAD COMMUNICATIONS FRONTIER COMMUNICATIONS 2222 WEST WISCONSIN STREET PORTAGE, WI 53091 ATTN: DAVID KAMKE, JSI CONSULTING PHONE: (715) 393-7028 EMAIL: DAVID.KAMKE@JSITEL.COM

RUNOFF COEFFICIENT TABLE

						HYDROLOGIC SC	DIL GROUP					
		A			В			C			D	
	SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (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 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												•
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS	DRIVES, WALKS .7585											
ROOFS						.7595						
GRAVEL ROADS, SHO	ULDERS					.4060						

GENERAL NOTES

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

THE 4" ASPHALTIC SURFACE SHALL CONSIST OF A 1 $\frac{3}{4}$ " UPPER LAYER WITH 12.5MM NOMINAL SIZE AGGREGATE AND A 2 $\frac{1}{4}$ " LOWER LAYER WITH 19.0MM NOMINAL SIZE AGGREGATE.

CURB & GUTTER PLAN GRADES ARE AT THE FLAG LINE UNLESS OTHERWISE NOTED.

EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL SHEET ARE AT SUGGESTED LOCATIONS. THE EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

SILT FENCE TO BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER AND IN PLACE PRIOR TO CONSTRUCTION OR BRIDGE REMOVAL.

REPLACE DISTURBED AREAS WITHIN THE RIGHT-OF-WAY AND TLE WITH SALVAGED TOPSOIL, FERTILIZER, SEED, AND STABILIZE WITH EROSION MAT AS SHOWN ON THE EROSION CONTROL SHEET AND AS DIRECTED BY THE ENGINEER.

TOTAL PROJECT AREA = 0.31 ACRES

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TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.26 ACRES

PROJECT NO: 6744-02-70	HWY: LOC STR	COUNTY: MARQUETTE		GENERAL NOTES			
FILE NAME : G:\00\00177\00177037\CADD\SHEETSPLAN\020101 GN.DWG		PLOT DATE : 10/14/20	022 6:47 AM	PLOT BY :	BRAD LEE	PLOT NAME :	

LAYOUT NAME - 020101-gn

ELECTRIC WESTFIELD ELECTRIC DENNIS DAHLKE PO BOX 309 WESTFIELD, WI 53964 PHONE: (608) 296-2149 EMAIL: PIONEERPOWERQUOTE@GMAIL.COM

GAS WE-ENERGIES LARRY KOCH 1921 8TH STREET WISCONSIN RAPIDS, WI 54494 PHONE: (715) 421-7249 EMAIL: LARRY.KOCH@WE-ENERGIES.COM

* - NOT A MEMBER OF DIGGERS HOTLINE



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STA 9+25 - STA 9+88.21



PROJECT NO: 6744-02-70	HWY: LOC STR	COUNTY: MARQUETTE		TYPICAL SECTIO	NS	
EILE NAME · G·\00\00177\00177037\CADD\SHEETSPLAN\020301_TS DWG		PLOT DATE ·	10/14/2022 6·47 AM	PLOT BY ·	BRADIEE	PLOT NAME :

FILE NAME : G:\00\00177\00177037\CADD\SHEETSPLAN\020301_TS.DW0 LAYOUT NAME - 020301-ts

2

PLOT DATE : 10/14/2022 6:47 AM PLOT BY : BRAD LEE

2

WISDOT/CADDS SHEET 42





G:\00\00177\00177037\CADD\SHEETSPLAN\020301_TS.DWG FILE NAME : LAYOUT NAME - 020302-ts

2

PLOT NAME :

BRAD LEE

■ SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B ★ SEEDING TEMPORARY, SEEDING MIXTURE #40, & FERTILIZER TYPE B

PLOT SCALE : 1 IN:10 FT SHEET

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G:\00\00177\00177037\CADD\SHEETSPLAN\021001-CD.DWG FILE NAME : LAYOUT NAME - 021001-cd

PLOT DATE : PLOT BY : 10/17/2022 7:23 AM

PLOT NAME

1 IN:10 FT

WISDOT/CADDS SHEET 42



1/10/2023 8:48 AM PLOT DATE :

JULIA ZEHNER



10/14/2022 6:55 AM PLOT BY : BRAD LEE





PLOT DATE : 1/10/2023 9:36 AM PLOT BY : JULIA ZEHNER PLOT NAME

Estimate Of Quantities

					6744-02-70	
Line	Item	Item Description	Unit	Total	Qty	
0002	201.0205	Grubbing	STA	1.000	1.000	
0004	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000	
0006	203.0270	Removing Structure Over Waterway Debris Capture (structure) 01. B-39-0977	EACH	1.000	1.000	
8000	204.0150	Removing Curb & Gutter	LF	195.000	195.000	
0010	204.0155	Removing Concrete Sidewalk	SY	99.000	99.000	
0012	204.0215	Removing Catch Basins	EACH	2.000	2.000	
0014	204.0220	Removing Inlets	EACH	3.000	3.000	
0016	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	57.000	57.000	
0018	204.0245	Removing Storm Sewer (size) 02. 24-Inch	LF	69.000	69.000	
0020	204.0270	Abandoning Culvert Pipes	EACH	3.000	3.000	
0022	204.9090.S	Removing (item description) 01. Removing Stacked Stone Wall and Tubular Railing	LF	117.000	117.000	
0024	205.0100	Excavation Common	CY	244.000	244.000	
0026	206,1001	Excavation for Structures Bridges (structure) 01, B-39-81	EACH	1.000	1.000	
0028	206.5001	Cofferdams (structure) 01. B-39-81	EACH	1.000	1.000	
0030	210,1500	Backfill Structure Type A	TON	368.000	368 000	
0032	213 0100	Einishing Roadway (project) 01 6744-02-70	FACH	1 000	1 000	
0034	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	191 000	191 000	
0036	305.0130	Base Aggregate Dense 3-Inch	TON	390,000	390,000	
0038	415 0410	Concrete Pavement Approach Slab	SY	100.000	100.000	
0030	416 0160	Concrete Driveway 6-Inch	SY	8 000	8 000	
0040	455 0605	Tack Coat	GAI	15 000	15 000	
0042	465.0005			66,000	66,000	
0044	502 0100	Concrete Masonry Bridges	CY	152 000	152 000	
0040	502.0100	Protective Surface Treatment	SV	137.000	137.000	
00-0	502.3200	Pigmented Surface Sealer	SY	39,000	39,000	
0050	505.0400	Bar Steel Painforcement HS Structures	LB	4 780 000	4 780 000	
0052	505.0400	Bar Steel Reinforcement HS Coated Structures		16 800 000	16 800 000	
0056	513 7031	Pailing Steel Type C6		91 000	91 000	
0050	516.0500	Pubberized Membrane Waterproofing	SV	20.000	31.000	
0050	520 1015	Arron Endwalls for Culvert Ding 15 Inch		20.000	20.000	
0000	520.1015	Apron Endwalls for Culvert Pipe 13-Inch	EACH	1.000	1.000	
0002	520.1024	Apron Endwalls for Guivent Fipe 24-Inch	EACH	1.000	1.000	
0004	520.8000	Diling CIP Concrete 10 2/4 X 0.25 Inch	LE	910,000	910 000	
0000	602.0405	Concrete Sidewalk 4 Inch		495,000	495.000	
0000	606.0200		3F	405.000	405.000	
0070	608.0300	Ripidp Heavy Storm Sower Dina Dainforced Concrete Class III 15 Inch		71 000	71 000	
0072	000.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch		71.000	71.000	
0074	608.0316	Storm Sewer Pipe Reinforced Concrete Class III To-Inch		70.000	76.000	
0076	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch		73.000	73.000	
0078	611.0530		EACH	1.000	1.000	
0800	611.0624		EACH	4.000	4.000	
0082	611.1005	Catch Basins 5-FT Diameter	EACH	1.000	1.000	
0084	011.2004		EACH	1.000	1.000	
0086	611.3004		EACH	2.000	2.000	
8800	611.3225		EACH	1.000	1.000	
0090	612.0406	Pipe Underdrain Wrapped 6-Inch		205.000	205.000	
0092	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6744-02-70	EACH	1.000	1.000	
0094	619.1000	Mobilization	EACH	1.000	1.000	
0096	624.0100	Water	MGAL	15.000	15.000	
0098	625.0500	Salvaged Topsoil	SY	553.000	553.000	



			Estimate Of Quantities								
					6744-02-70						
Line	Item	Item Description	Unit	Total	Qty						
0100	628.1504	Silt Fence	LF	354.000	354.000						
0102	628.1520	Silt Fence Maintenance	LF	354.000	354.000						
0104	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000						
0106	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000						
0108	628.2008	Erosion Mat Urban Class I Type B	SY	550.000	550.000						
0110	628.6005	Turbidity Barriers	SY	174.000	174.000						
0112	628.7015	Inlet Protection Type C	EACH	4.000	4.000						
0114	629.0210	Fertilizer Type B	CWT	0.510	0.510						
0116	630.0140	Seeding Mixture No. 40	LB	14.000	14.000						
0118	630.0200	Seeding Temporary	LB	21.000	21.000						
0120	630.0500	Seed Water	MGAL	18.000	18.000						
0122	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	1.000	1.000						
0124	637.2210	Signs Type II Reflective H	SF	1.500	1.500						
0126	637.2230	Signs Type II Reflective F	SF	6.250	6.250						
0128	638.2602	Removing Signs Type II	EACH	2.000	2.000						
0130	638.3000	Removing Small Sign Supports	EACH	1.000	1.000						
0132	642.5001	Field Office Type B	EACH	1.000	1.000						
0134	643.0420	Traffic Control Barricades Type III	DAY	1,680.000	1,680.000						
0136	643.0705	Traffic Control Warning Lights Type A	DAY	2,688.000	2,688.000						
0138	643.0900	Traffic Control Signs	DAY	1,344.000	1,344.000						
0140	643.5000	Traffic Control	EACH	1.000	1.000						
0142	645.0111	Geotextile Type DF Schedule A	SY	148.000	148.000						
0144	645.0120	Geotextile Type HR	SY	274.000	274.000						
0146	645.0135	Geotextile Type SR	SY	535.000	535.000						
0148	646.1020	Marking Line Epoxy 4-Inch	LF	300.000	300.000						
0150	650,4000	Construction Staking Storm Sewer	EACH	8.000	8.000						
0152	650,4500	Construction Staking Subgrade	LF	122.000	122.000						
0154	650.5000	Construction Staking Base	LF	86.000	86.000						
0156	650,5500	Construction Staking Curb Gutter and Curb & Gutter	LF	172.000	172.000						
0158	650.6501	Construction Staking Structure Layout (structure) 01. B-39-81	EACH	1.000	1.000						
0160	650.7000	Construction Staking Concrete Pavement	LF	36.000	36.000						
0162	650,9500	Construction Staking Sidewalk (project) 01, 6744-02-70	EACH	1.000	1.000						
0164	650.9911	Construction Staking Supplemental Control (project) 01. 6744-02-70	EACH	1.000	1.000						
0166	650,9920	Construction Staking Slope Stakes	LF	122.000	122.000						
0168	690.0250	Sawing Concrete	I F	9 000	9,000						
0170	715.0502	Incentive Strength Concrete Structures	DOI	906 000	906.000						
0172	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500,000						
0174	ASP 1T0A	On-the-lob Training Apprentice at \$5 00/HR	HRS	300,000	300,000						
0176	ASP 1T0G	On-the-lob Training Graduate at \$5.00/HR	HRS	600.000	600.000						
0178	SPV 0060	Special 01 Remove Salvage and Reinstall Stacked Stone Wall	FACH	1 000	1 000						
0180	SPV 0060	Special 02 Storm Sewer Plug	FACH	1.000	1 000						
0182	SPV 0000	Special 01. Concrete Curb & Gutter 24-Inch Type A	IF	29 000	29 000						
0184	SPV 0000	Special 01. Concrete Curb & Gutter 24-Inch Type A		172 000	172 000						
0186	SPV 0165	Special 01. Concrete Sidewalk 6-Inch Special		165 000	165 000						
0188	SPV 0165	Special 01. Cut-Stone Boulders	SI QE	168.000	168.000						
0100	SDV 0103	Special 01. Concrete Doulders	ev	20.000	20.000						
0130	3F V.0100	טרבטמו עד. טטוטרבוב ד מעבווובווג ט-וווטון טרבטמו	31	20.000	20.000						



<u>REMOVALS</u>

GRUBBING

201.0205 GRUBBING STATION TO STATION LOCATION STA 9+55 - 10+55 LT 1 TOTAL 1 EXCAVATION COMMON 205.0100 EXCAVATION COMMON FILL EXPANDED FILI STATION TO STATION CY CY(1) CY(2) 14 9+25 - 9+83 106 11 10+11 - 10+75 138 26 34 TOTAL 244 37 48

				203.0100	204.0150	204.0155	204.0215	204.0220	204.0245.01
STATION	ТО	STATION		REMOVING SMALL PIPE CULVERTS FACH	REMOVING CURB & GUTTER IF	REMOVING CONCRETE SIDEWALK SY	REMOVING CATCH BASINS FACH	REMOVING INLETS FACH	REMOVING STORM SEWER (01. 12 INCH) LF
		01111011	200,11011	2,1011			Literi	2.1011	
9+25	-	9+81	RT			28			
9+25	-	9+81	RT		56				
9+25	-	9+94	LT		69				
9+61	-	9+77	LT & RT						50
9+94	-	10+55	RT						7
9+92	-	-	LT						
10+00	-	-	RT						
10+08	-	-	RT						
10+28	-	10+34	LT	1					
10+06	-	10+75	RT		70	43			
10+25	-	10+75	LT			28			
9+62	-	-	LT & RT				1	2	
10+54	-	-	RT				1	1	
9+33		10+01	LT						
10+27	-	10+75	LT						
			TOTAL	1	195	99	2	3	57

(1) - NOT A BID ITEM - FOR INFORMATIONAL PURPOSES ONLY. (2) - FILL EXPANSION 30%

BASE AGGREGATE DENSE

305.0120 305.0130 624.0100 645.0135 415.0410 SPV.018 CONCRETE SPECIAL (01. BASE AGGREGATE BASE AGGREGATE GEOTEXTILE TYPE PAVEMENT PAVEMENT DENSE 1 1/4-INCH DENSE 3-INCH WATER SR APPROACH SLAB STATION TO STATION LOCATION TON TON MGAL SY STATION TO STATION SY

_				
	191	390	15	53

CONCRETE PAVEMENT

10· 6744_02_70			HWY: LOC ST	R		COUNTY MARQUETTE	MISCELLAN	FOUS		ITITIES			SHEET
			TOTAL	15	00			1017		0	105	105	
			τοται	15	66			τοτα	4L –	8	485	165	
10-	+20	DRIVEWA	AY, RT 2		6		10+26 - 10+75	RT			260		
10-	+29 - 10+75	MAINL	INE 4	8	32		10+14 - 10+26	RT		8			
9+	-25 - 9+65	MAINL	INE 4	7	28		10+06 - 10+14	RT				64	
							9+65 - 9+80	RT				101	
STAT	TION TO STATION	I LOCAT	ION INCHES	GAL	TON		9+25 - 9+65	RT			225		
			THICKNES	S TACK COAT	SURFACE								
			Δςρηδιτ	455.0005	403.0105 Δςρηδιτις		STATION TO STATION	LOCATI	ION	SY	SF	SF	
				455 0605	165 0105					6-INCH	4-INCH	SPECIAL O-INCH	
											CONCRETE		
			ASPHALTIC SURFAC	-						416.0160	602.0405	SPV.0165.01	
										CONCRETE ITEMS			
	ΤΟΤΑ		191	390	15	535							
10+20	DRIVEWA	YRI	17		1			10	UTAL	100	20		
10+11 - 9+6	65 SIDEWAL	(RT	9		1			т.	OTAL	100			
10+11 - 10+	+75 MAINLI	NE	81	205	6	275	10+11	- 1	0+29	50	10		
9+25 - 9+8	83 SIDEWAL	(RT	8		1		9+65	- 9	9+83	50	10	1	
9+25 - 9+8	83 MAINLI	1E	76	185	6	260							

PROJECT NO: 6744-02-70	HWY: LOC STR	COUNTY: MARQUETTE	MISCELLANEOUS QUANTITIES		
FILE NAME : N:\PDS\\030200_mq.pptx		PLOT DATE : January 10, 2023	PLOT BY : A.R.H.	PLOT NAME :	

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204.0245.02	204.0270	204.9090.S.01	
REMOVING STORM SEWER (02. 24 INCH) LF	ABANDONING CULVERT PIPES EACH	REMOVING (ITEM DESCRIPTION) (01. STACKED STONE WALL AND TUBULAR RAILING) LF	REMARKS
69			
	1		
	1		
	1		
			12" CSCP
		69	
		48	
69	3	117	

SPV.0180.01
AL (01. CONCRETE
/EMENT 8-INCH
SPECIAL)
SY

S	Ι	O	R
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CURB & GUTTER

νη το station		650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LE	SPV.0090.01 SPECIAL (01. CONCRETE CURB & GUTTER 24-INCH TYPE A)	SPV.0090.02 SPECIAL (02. CONCRETE CURB & GUTTER 24-INCH TYPE D)	STRUCTURE	ΞT	ō s	TRUCTURE	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	RE
TO STATION	LOCATION	LF	LF	LF		:	0 5	IRUCTURE	LF	LF	
- 9+64.97	RT	40		40	1.0		-	1.1	30		
- 9+74.68	LT	40	10	40	1.1		-	1.2	41		
- 10+75	RT	46	15	46	2.0		-	2.1		45	
- 10+75	LT	46	4	46	2.1		-	2.2		31	
					2.2		-	2.3			
	τοται	172	29	172	3.0		-	2.2			
	. 5 1712	17 E	20	1,2	EXIST		-	3.0			
											_
								TOTAL	71	76	

STORM SEWER STRUCTURES

							520.1015	520.1024	520.8000	611.0530	611.0624	611.1005	611.2004	611.3004	611.3225	650.4000	SPV.0060.02
STRUCTURE NO.	STATION	LOCATION	GRATE/RIM ELEVATION	TOP OF STRUCTURE ELEVATION	INVERT ELEVATION	STRUCTURE DEPTH	APRON ENDWALLS FOR CULVERT PIPE 15-INCH EACH	APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	CONCRETE COLLARS FOR PIPE EACH	MANHOLE COVERS TYPE J EACH	INLET COVERS TYPE H EACH	CATCH BASINS 5-FT DIAMETER EACH	MANHOLES 4-FT DIAMETER EACH	INLETS 4-FT DIAMETER EACH	INLETS 2X2.5-FT EACH	CONSTRUCTION STAKING STORM SEWER EACH	SPECIAL (02. STORM SEWER PLUG) EACH
1.0	9+35.00	15.00' LT	853.42	852.42	849.91	4.51					1				1	1	
1.1	9+35.00	15.00' RT	853.42	852.42	849.59	4.83					1			1		1	
1.2	9+72.99	29.78' RT	-	-	846.07	-	1									1	
2.0	10+75.00	15.00' LT	-	-	847.94	-										1	1
2.1	10+30.00	15.00' LT	852.95	851.95	847.72	6.23					1	1				1	
2.2	10+35.17	15.00' RT	852.92	851.92	846.90	7.02					1			1		1	
2.3	9+97.03	37.79' RT	-	-	845.00	-		1								1	
3.0	10+54.92	22.40' RT	853.39	852.14	847.05	5.09			1	1			1			1	
						TOTAL	1	1	1	1	4	1	1	2	1	8	1

EROSION CONTROL MOBILIZATION

		_	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH		
			PROJECT 6744-02-70	3	3		
			TOTAL	3	3	-	
	RESTORATION ITEMS						
					STATION	TO STATION	LOCATION
625.050 SALVAGE) 629.0210 6 SEEDII	530.0140 630.0200 ING MIXTURE SEEDING	630.0500		9+25	- 9+83	RT
TOPSOIL	FERTILIZER TYPE B	NO. 40 TEMPORAF	SEED WATER		9+25	- 10+04	LT
STATION TO STATION LOCATION SY	CWT	LB LB	MGAL		9+35	- 9+35	LT & RT
				_	9+75	- 10+04	LT & RT
9+25 - 9+83 RT 93	0.09	2.3 3.5	2.9		9+88	- 10+07	LT & RT
9+25 - 10+00 LT 115	0.11	3.0 4.4	3.7		9+96	- 10+75	RT
9+96 - 10+75 RT 126	0.11	3.1 4.6	3.9		10+07	- 10+75	LT
10+07 - 10+75 LT 108	0.10	2.7 4.1	3.4		10+30	- 10+30	LT
UNDISTRIBUTED 111	0.10	2.8 4.2	3.5		10+35.17		RT
					UND	ISTRIBUTED	
TOTAL 553	0.51	14 21	18	-			TOTAL
PROJECT NO: 6744-02-70	HWY: LOC STR	CC	UNTY: MARQUE	ITE	MISCELLANEOUS	QUANTITIE	ES

FILE NAME : N:\PDS\...\030200_mq.pptx

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PLOT DATE : January 10, 2023

PLOT BY : A.R.H. PLOT NAME :

RM SEWER PIPE

EROSION CONTROL

628.1504	628.1520	628.2008	628.6005	628.7015	
	SILT FENCE	LIRBAN CLASS I	TURBIDITY	PROTECTION	
SILT FENCE	MAINTENANCE	TYPE B	BARRIERS	TYPE C	
LF	LF	SY	SY	EACH	
60	60	92			
78	78	114			
				2	
			74		
			65		
72	72	126			
73	73	108			
				1	
				1	
71	71	110	35		
354	354	550	174	4	
			SHEET:		Ε

				634.0616 POSTS WOOD 4X6-	637.2210	637.2230	638.2602	638.3000						646.1020 MARKING LINE	
				INCH X	SIGNS TYPE II	SIGNS TYPE II	REMOVING SIGNS	REMOVING SMALL						EPOXY	
				16-FT	REFLECTIVE H	REFLECTIVE F	TYPE II	SIGN SUPPORTS						4-INCH	
STATION	LOCATION	SIGN CODE	SIZE	EACH	SF	SF	EACH	EACH	REMARKS	STATION	TO	STATION	LOCATION	LF	REMARKS
9+44	LT						2	1	STOP AHEAD/NO PARKING	9+25	-	10+75	CENTERLINE	300	DOUBLE YELLOW
9+44	LT	W3-1	30"X30"	1		6.25			STOP AHEAD						
		R7-1	12"X18"		1.50				NO PARKING ANY TIME				TOTAL	300	
			TOTAL	1	1.50	6.25	2	1							

TRAFFIC CONTROL ITEMS

		TRAFFIC CONTROL	643.0420 TRAFFIC CONTROL	TRAFFIC CONTROL	643.0705 TRAFFIC CONTROL		643.0900
		BARRICADES	BARRICADES	WARNING LIGHTS	WARNING LIGHTS	TRAFFIC CONTROL	TRAFFIC CONTROL
		TYPE III	TYPE III	TYPE A	TYPE A	SIGNS	SIGNS
LOCATION	DAYS	EACH	DAY	EACH	DAY	EACH	DAY
N MAIN ST & SPRING ST	84	2	168	6	504	3	252
N MAIN ST & PIONEER PARK RD	84	2	168	6	504	3	252
SIDEWALK CLOSURE	84	2	168			2	168
BEGINNING OF PROJECT	84	7	588	10	840	4	336
END OF PROJECT	84	7	588	10	840	4	336
		TOTAL	1,680		2,688		1,344

NOTE: SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"; SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"

CONSTRUCTION STAKING

			650.4500	650.5000	650.6501.01 CONSTRUCTION STAKING	650.7000 CONSTRUCTION	650.9500.01	650.9911.01 CONSTRUCTION STAKING	650.9920
			CONSTRUCTION		STRUCTURE LAYOUT	STAKING	CONSTRUCTION STAKING	SUPPLEMENTAL CONTROL	CONSTRUCTION
			STAKING	CONSTRUCTION	(STRUCTURE) (01. B-39-	CONCRETE	SIDEWALK (PROJECT) (01.	(PROJECT) (01.6744-02-	STAKING SLOPE
			SUBGRADE	STAKING BASE	0081)	PAVEMENT	6744-02-70)	70)	STAKES
STATION	TO	STATION	LF	LF	EACH	LF	EACH	EACH	LF
9+25	-	10+75			1		1	1	
9+25	-	9+83	58	40		18			58
10+11	-	10+75	64	46		18			64
		TOTAL	122	86	1	36	1	1	122

PROJECT NO: 6744-02-70	NO: 6744-02-70 HWY: LOC STR COUNTY: MARQUETTE		MISCELLANEOUS QUANTITIES	
FILE NAME : N:\PDS\\030200_mq.pptx		PLOT DATE: January 10, 2023	PLOT BY : A.R.H.	PLOT NAME :

PAVEMENT MARKING

SAWING CONCRETE

	690.0250
	SAWING
	CONCRETE
LOCATION	LF
SIDEWALK RT	5
SIDEWALK RT	4
TOTAL	9
	LOCATION SIDEWALK RT SIDEWALK RT TOTAL

SHEET:

Е

PLOT SCALE : 1:1



CONVENTIONAL UTILITY SYMBOLS

WATER	
GAS	G
TELEPHONE	— т —
OVERHEAD TRANSMISSION LINES	—— он ——
ELECTRIC	——— E ———
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
ELECTRIC TOWER	\boxtimes

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT	RDE
CERTIFIED SURVEY MAP	CSM	EASEMENT	
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED	TLE
GRID NORTH	GN	EASEMENT	
HIGHWAY EASEMENT	HE	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
LAND CONTRACT	LC	VOLUME	V
LEFT	LT		
MONUMENT	MON	CURVE DATA ABBREVIA	TIONS
NATIONAL GEODETIC SURVEY	NGS	LONG CHORD	LCH
NUMBER	NO	LONG CHORD BEARING	LCB
OUTLOT	OL	RADIUS	R
PAGE	Р	DEGREE OF CURVE	D
POINT OF TANGENCY	PT		∆/DELT
PERMANENT LIMITED	PLE	TANGENT	Т
EASEMENT		DIRECTION AHEAD	DA
POINT OF BEGINNING	POB	DIRECTION BACK	DB
POINT OF CURVATURE	PC		



LAYOUT 0.5 MI SCALE L

TOTAL NET LENGTH OF CENTERLINE = 0.030 MI

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

PLOT NAME

	R/W PROJECT NUMBE 6744-02-00	R	SHEET NUMBER	TOTAL SHEETS			
	FEDERAL PROJECT N	UMBER	4.01	2			
	PLAT OF R	IGHT OF WAY REQUI	RED FOR				
	V WEST	FFIELD, MAIN ST	REET				
	WESTFIELD CREEK BRIDGE B-39-0081						
	LOC STR		MARQUET	TE COUNTY			
NOTES [.]	CONSTRUCTION PRO 6744-02-70	JECT NUMBER					
POSITIONS SHOWN MARQUETTE COUN GRID BEARINGS, AI	I ON THIS PLAT ARE WISCONSIN COC JTY, NAD83 (2011), IN US SURVEY FE ND GRID DISTANCES. GRID DISTANCE	DRDINATE REFERENCE SYSTEM ET. VALUES SHOWN ARE GRIE ES MAY BE USED AS GROUND I	COORDINATES (COORDINATES, DISTANCES.	WISCRS),			
ALL NEW RIGHT-OF NOTED, AND WILL	WAY MONUMENTS WILL BE TYPE 2 BE PLACED PRIOR TO THE COMPLET	2 (TYPICALLY ¾" X 24" IRON RE ION OF THE PROJECT.	BARS), UNLESS C	THERWISE			
N DIMENSIONING FO	R THE NEW RIGHT-OF-WAY IS MEAS	URED ALONG AND PERPENDIC	CULAR TO THE NE	W REFERENCE			
RIGHT-OF-WAY BO REFERENCED TO TH	UNDARIES ARE DEFINED WITH COUF HE U.S. PUBLIC LAND SURVEY SYSTEM	RSES OF THE PERIMETER OF TH I OR OTHER "SURVEYS" OF PU	IE HIGHWAY LAN IBLIC RECORD.	DS			
FOR THE CURRENT DEPARTMENT OF T	ACCESS/DRIVEWAY INFORMATION, RANSPORTATION OFFICE IN WISCO	CONTACT THE PLANNING UNI NSIN RAPIDS	T OF THE WISCO	NSIN			
PARCEL AND UTILIT THE DETAIL PAGES	Y IDENTIFICATION NUMBERS MAY N	NOT POINT TO ALL AREAS OF A	CQUISITION, AS I	NOTED ON			
INFORMATION FOR ARE LISTED ON THE	R THE BASIS OF EXISTING HIGHWAY F E DETAIL PAGES.	RIGHT-OF-WAY POINTS OF REF	ERENCE AND AC	CESS CONTROL			
A TEMPORARY LIM INCLUDING THE RIC LONG AS REQUIRED PLANT THEREON A PLAT EXPIRE AT TH	MITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS \ED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLES) ON THIS ITHE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.						
PROPERTY LINES SH PUBLIC RECORD AN EXISTING PROPERT ACCURATE FIELD S	HOWN ON THIS PLAT ARE DRAWN FF ID/OR EXISTING OCCUPATIONAL LIN 'Y LINES, EXCLUDING RIGHT-OF-WA' URVEY.	ROM DATA DERIVED FROM MA ES. THIS PLAT MAY NOT BE A T (, AND SHOULD NOT BE USED	APS AND DOCUM FRUE REPRESENT AS A SUBSTITUTE	ENTS OF ATION OF FOR AN			
END RELOCATIO	N ORDER						
STA 10+80.00 681.79' SOUTH OF AND 4 OF THE NORTH QUARTER SEC. 12, T-16-N, R-8-E	99.55' WEST CORNER OF	ACCEF THE VILLAGE	PTED FOR OF WESTFIELD				
STRUCTURE B-3	9-0081	DATE:	(Signature)				
		ORIGINAL PLA	T PREPAREI	D BY			
STA 9+20.00	<u>IN ORDER</u>	ØN	1SA				
840.77' SOUTH OF AND 517. THE NORTH QUARTER CORN	62' WEST OF ER OF SEC. 12,	ENGINEERING ARCH FUNDING PLANNIN	ITECTURE SURVEYIN IG ENVIRONMENTA	NG L			
1-10-W, N-8-L		1230 SOUTH BOULEVAI (608) 356-2771 WM © MSA Profess	RD, BARABOO, WI 53913 rw.msa-ps.com ional Services, Inc.				
		11,50	ONS;	*			
				V · .			
			SDALE	* # * # * #			
		WA	UNAKEE				
		1. 1.	WI	5.			
	REVISION DATE	· · · · · · · · · · · · · · · · · · ·	URVE	5 6			
PRESENTATION AND IS FOR Y. DEEDS MUST BE CHECKED TO INDARIES AND ACCESS RIGHTS.							



LAYOUT NAME - 040102-rp



LAYOUT NAME - 050101-pp

PLOT BY : 10/14/2022 6:57 AM

Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08в09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D18-03	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
12A03-10	NAME PLATE (STRUCTURES)
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C08-22A	LONGITUDINAL MARKING (MAINLINE)
15С11-09В	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D30-07A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07в	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-07C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07н	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION







ω ⊳ 5-19d



DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING: PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT: MINIMUM LENGTH OF 10 INCHES: MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF $\frac{1}{2}$ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES

(2) FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS

(4) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

L B'S	BW	С	F	ALL H'S	s	T	v	WM	Z
x					х		х		
		Х							х
х					Х		х		
	х				Х	х	х	х	
		Х							Х
				x					
			x						
				_					

DIAMETER PES	
SEPARATION	(IN)
12	
18	
24	
30	

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED Sept., 2016 DATE

FHWA

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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IATERIALS AND WORKMANSHIP REQUIREMENTS OF THE STAND	NOT SHOWN ON THIS DRAWING SHALL ARD SPECIFICATIONS AND THE APPLICABLE	
ZED IN WRITING BY THE ENGINE INITS REQUIRED FOR THE PROJ	ER, THE CONTRACTOR SHALL NOT ORDER AND ECT UNTIL A LIST OF SIZES IS FURNISHED BY	
POSED ALTERNATE DESIGNS FO ER FOR APPROVAL PROVIDING ID STRENGTH.	OR UNDERGROUND DRAINAGE STRUCTURES SHALL THAT SUCH ALTERNATE DESIGNS MAKE PROVISION	
RE DESIGNATED ON THE PLANS T NUMBERS DESIGNATE THE SI E OF COVER TO BE USED TO CO	AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", ZE OF THE STRUCTURE, AND THE FOLLOWING MPRISE THE COMPLETE UNIT.	
BED OF MATERIAL AT LEAST 6 I DN BACKFILL. THIS BEDDING SH EA OF THE BASE.	NCHES IN DEPTH, WHICH MEETS THE HALL BE COMPACTED AND PROVIDE UNIFORM	
RETE CONE TOPS (ECCENTRIC C AY BE USED ON CONCRETE BLC	OR CONCENTRIC) OR PRECAST REINFORCED DCK STRUCTURES.	
E USED ON ALL STRUCTURES. (OR LESS IN DEPTH UNLESS OTI	CONCENTRIC CONE TOPS SHALL BE USED HERWISE DIRECTED BY THE ENGINEER.	
AND THE FOLLOWING REQUIRE CH C-C MAXIMUM SPACING; PRO F OF EMBEDMENT; MINIMUM LEI STEPS NOT PAINTED OR TREAT N OF 1 INCH.	MENTS SHALL BE INSTALLED IN ALL STRUCTURES DJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES NGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT FED TO RESIST CORROSION SHALL HAVE A MINIMUM	
DPYLENE PLASTIC COATED REIN MINIMUM OF $\frac{1}{2}$ INCH AND MEET	NFORCEMENT BAR ARE ACCEPTABLE. THE REQUIREMENTS OF ASTM A615.	
VIDED THAT INSTALLED STEPS \	WHEN TESTED IN ACCORDANCE WITH SECTION 10 35. AND A HORIZONTAL LOAD OF 400 LBS.	
NT SHALL BE EMBEDDED 2 INCH	IES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.	
SHALL CONFORM TO THE PERT	INENT REQUIREMENTS OF AASHTO DESIGNATION M199.	
SHALL HAVE A TONGUE AND G	ROOVE JOINT WITH TONGUE UP OR DOWN.	
E PERMITTED FOR STRUCTURE	S GREATER THAN 4 FEET IN DIAMETER.	
REQUIRED FOR ALL CONCRETE RECAST BASE IS PROVIDED. OV RAL OR MONOLITHIC BASE.	BLOCK INSTALLATIONS. 4" OVERHANG IS 'ERHANG IS NOT REQUIRED ON PRECAST	6
IONS, MAINTAIN A MINIMUM OF HE OUTSIDE PIPE WALLS OF AD	12 INCHES AS MEASURED FROM THE INSIDE OF THE JACENT PIPES. SEE DETAIL "D".	
VIDE REINFORCING STEEL IN AG	CCORDANCE TO AASHTO M199.	
INIMUM WALL THICKNESS FOR	PRECAST MANHOLES	
IINIMUM THICKNESS OF PRECAS	ST FLAT SLAB TOPS AND BASES.	
BUTYL RUBBER SEAL PER SEAL/ (TYP.).	ANT MANUFACTURERS RECOMMENDATIONS	
G MATRIX.		
OUTSIDE PIPE WALL (TYP.)		
/		
/ 12" MIN.		
\checkmark		
		<u></u>
/ · · · · · · · · · · · · · · · · · · ·	MANHOLES, 3-FT, 4-FT	17
X_	5-FT, 6-FT, 7-FT, 8-FT, 9-FT	6
$f_{}$	AND 10-FT DIAMETER	
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	80
CONTAL TION	APPROVED November 2021 DATE ROADWAY STANDARDS DEVELOPMENT ENGINFER	٥
	FHWA	ן ע



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DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE

(1) MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

ALL B'S	B₩	С	F	ALL H'S	S	T	v	WM	Z
		х							х
х					х		х		
		x							х
x					x		х		
	х				x	х	х	x	
				x					
			х						

PIPE MATRIX

INLET	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES				
SIZE	180° SEPARATION (IN)	90° SEPARATION (IN)			
3-F T	15	12			
4-F T	24	18			

ANI	INLETS 3-FT D 4-FT DIAMETER
DEPART	STATE OF WISCONSIN MENT OF TRANSPORTATION
APPROVED	
Sept., 2016	/S/ Rodney Taylor
DATE	ROADWAY STANDARDS DEVELOPMENT
FHWA	UNIT SUPERVISOR

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GENERAL NOTES

ENGINEER.

EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	AL
	WIDTH (W)(FT)	LENGTH () (FT)		
2X2-FT	2	2	x	
2X2.5-FT	2	2.5		
2X3-FT	2	3		
2.5X3-FT	2.5	3		

PIPE MATRIX

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	MAXIMUM INSIDE PIPE DIAMETER		
INLET SIZE	WIDTH (IN)	LENGTH (IN)	
2X2-FT	12	12	
2X2.5-FT	12	18	
2X3-FT	12	24	
2.5X3-FT	18	24	

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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SDD 08D01 22a

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DEPARTMENT OF TRANSPORTATION

22 . **08D01** SDD



SDD 08D01 22b





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GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

- $\textcircled{\sc 1}$ horizontal brace required with 2" x 4" wooden frame or equivalent at top of posts.
- (2) FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- (3) WOOD POSTS SHALL BE A MINIMUM SIZE OF $1/_8$ " X $1/_8$ " OF OAK OR HICKORY.
- (4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.







(WHEN REQUIRED BY THE ENGINEER)





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- WATER ELEVATIONS.





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GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

 \bigoplus for PIPE SIZES UP to 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED II/30/94 DATE FHWA

CHIEF ROADWAY DEVELOPMENT ENGINEER

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SDD 08F04





ALTERNATE LUG (FOR ATTACHMENT TO PRECAST STRUCTURES)

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NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT. (1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE



ALTERNATE LUG

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE FHWA

/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER 3-10 ∢ 2 Δ

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CONCRETE PAVEMENT 0 2 3 DEPARTMENT OF TRANSPORTATION ~ Δ

PAVEMENT SUPERVISOR

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GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES

- (1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.
- (2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE

/S/ Peter Kemp, P.E. PAVEMENT SUPERVISOR

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GENERAL NOTES

- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





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.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

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CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2021 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER









NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

- 1 REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- (2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
- (3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.
- ★ USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TEMPORARY PEDESTRIAN BARRICADE*

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TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



TEMPORARY CURB RAMP -

FRONT VIEW

6

TOP OF CURB -

CURB FACE

GUTTER PAN

TEMPORARY CURB RAMP PARALLEL TO CURB

TEMPORARY CURB -

RAMP LANDING

(6)

- TOP OF CURB

GUTTER PAN

ROADWAY

SURFACE

TEMPORARY CURB -

RAMP LANDING

SIDE VIEW

- CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.
- CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED $\frac{1}{2}$ ". LATERAL EDGES MAY BE VERTICAL UP TO $\frac{1}{4}$ " HIGH
- (1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN
- (2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
- (3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP
- (6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS



TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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GENERAL NOTES

- THE PLANS
- LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- (4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- (5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.





WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN $\ensuremath{\frac{1}{2}}$ " width.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP

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TRAFFIC CONTROL, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION







TEMPORARY SIDEWALK

4' MIN.

PLAN VIEW TEMPORARY TYPE 3 RAMP (OUTSIDE OF CROSSWALK AREA)

DETECTABLE

WARNING FIELD

Α

PROVIDE 48" X 48" MIN. LANDING - AT TOP OF RAMP WITH NO MORE THAN 2% SLOPE IN ANY DIRECTION.

> IEMPORARY SIDEWALK

TERRACE VARIABLE

TERRACE VARIABLE

____ 10% MAX.

└── 10% MAX.

А

4' - 0" MIN.

5' - 0" DES.

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

③ PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

★ USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

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TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2022 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

FHWA

GENERAL NOTES

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN $\frac{1}{4}$ " AND $\frac{1}{2}$ ".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

- (1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.







PROFILE VIEW

TEMPORARY BUS STOP PAD



NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND



TRAFFIC CONTROL DRUM

TYPE III BARRICADE

TEMPORARY PEDESTRIAN BARRICADE



TEMPORARY DETECTABLE WARNING FIELD WORK AREA

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TRAFFIC CONTROL, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

(1) IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.

(2) PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.

(3) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(4) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

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TRAFFIC CONTROL, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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		LEGEND		
	F	SIGN ON TEMPORARY SUPPORT		TYPICAL TE
		WORK AREA		SIGN LAYO
				WHERE TEN THE BARRIO
	······	UNDER PEDESTRIAN TRAFFIC		SIGNS THA
		TEMPORARY PEDESTRIAN SURFACE		MOUNTED
		TEMPORARY PEDESTRIAN BARRICADE		① USE TEMPO OR FOR AD
		OPTIONAL TEMPORARY PEDESTRIAN BARRICADE		2) IF TEMPOR
		DIRECTION OF TRAFFIC		
				(3) MOUNTING
			5' DESIRABLE	
			30°X24*	
ו				
			M4-60R 30/X24* 3	
			6' 2 5' DESIRABLE	

SIDEWALK DIVERSION SINGLE SIDE

GENERAL NOTES

EMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

OUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

EMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF ICADE AT THE EDGE OF THE SIDEWALK.

AT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE ON PORTABLE SUPPORTS.

ORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS DIDITIONAL PEDESTRIAN CHANNELIZATION.

RARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



LEGEND

WORK AREA

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SIDEWALK DIVERSION, SINGLE SIDE



WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1 Shoulder or lane closure advance warning and buffer space required.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.

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TRAFFIC CONTROL, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) place excess portion of temporary pedestrian barricade panel in the sidewalk terrace.

(6) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(7) 4 FEET MINIMUM, 5 FEET DESIRABLE

8 IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

WORK AREA

	TEMPORARY CURB RAMP
	TEMPORARY PEDESTRIAN SURFACE "A"
$\langle X X \rangle$	TEMPORARY PEDESTRIAN SURFACE "B"
	TEMPORARY DETECTABLE WARNING FIELD
	TEMPORARY PEDESTRIAN BARRICADE
	OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
$\equiv >$	DIRECTION OF TRAFFIC

SDD 15D30 - 07

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





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IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

3 Use temporary pedestrian barricade to separate pedestrians from drop offs or for additional pedestrian channelization.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

5 place excess portion of temporary pedestrian barricade panel in the sidewalk terrace.

(6) WHITE 6" TEMPORARY PAVEMENT MARKING

 \bigcirc IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

8 4 FEET MINIMUM, 5 FEET DESIRABLE

(9) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

WORK AREA

//////	
	TEMPORARY CURB RAMP
	TEMPORARY PEDESTRIAN SURFACE "A"
$\langle \times \times \rangle$	TEMPORARY PEDESTRIAN SURFACE "B"
	TEMPORARY DETECTABLE WARNING FIELD
	TEMPORARY PEDESTRIAN BARRICADE
	OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
$\equiv >$	DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



PROJECT NO:	HWY:	COUNTY:			
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GENERAL NOTES

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

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	TYPICAL INSTALLATION
	OF PERMANENT TYPE II
	SIGNS ON SINGLE POSTS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew & Rauch For state Traffic Engineer
	DATE <u>5/13/202</u> 0 PLATE NO. <u>44-3.22</u>
	SHEET NO: E
PLOT SCALE : \$\$	WISDOT/CADDS SHEET 42





PROJECT NO:	HWY:	COUNTY:		
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN		PLOT DATE : 27-JAN-2014 09	:48 PLOT BY : mscsja	PLOT NAME :

DATE <u>1/27/14</u>

SHEET NO:

PLATE NO. <u>A4-3B.1</u>

Ε



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

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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 $7'-3''(\pm)$ or $6'-3''(\pm)$ depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (\pm) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3'' (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

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

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

 \times \times See A4-3 sign plate for signs 4' or less in width and less

H	TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS
)	WISCONSIN DEPT OF TRANSPORTATION
/	APPROVED Matther & Rauch
	For State Traffic Engineer
]	DATE 8/21/17 PLATE NO. 44-4.15
	SHEET NO: E
DI AT CA	

PLOT SCALE : 108.188297:1.000000

WISDOT/CADDS SHEET 42



3 fasteners.

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

 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)

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

ATTACHMENT OF SIGNS TO POSTS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
State Traffic Engineer
DATE <u>4/1/202</u> 0 PLATE NO. <u>A4-8.9</u>
SHEET NO: E





FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two $1\frac{1}{2}$ " diameter holes drilled perpendicular to the roadway centerline.

	4	Хe	ô	WOO	DF	POST		
	MODIFICATIONS							
	WISCONSIN DEPT OF TRANSPORTATION							
	APPROVED J Spane							
			tor	State Tr	affic Er	ngineer		
	DATE 3	/27/9	<u>17</u>	PLA	TE NO	<u>A4-11.2</u>	2	
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OT SCALE	T SCALE : 6.207338:1.000000 WISDOT/CADDS SHEET 42							



PLOT DATE : 30-MAR 2021 1:22



NOTES

- 1. All Signs Type II -WIS DOT Standard and STRUCTURE CON
- 2. Color:
 - Background YEL Arrow & Border
 - Stop Symbol WHI





SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	м	N	0	P	0	R	S	Т	U	v	W	X	Y	Ι
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Type F Reflective - reference Specification for HIGHWAY NSTRUCTION latest edition.	
LLOW - BLACK TE BORDER ON RED BACKGROUND	
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Z Areo	
6.25 STANDARD SIGN	
9.0 W3-1	
9.0 WISCONSIN DEPT OF TRANSPORTATION	-
9.0 APPROVED M 411 D D	-
16.0 Matthe K Rauch	
16.0 DATE 6/7/10 PLATE NO. W3-1.12	
SHEET NO:	1



	STATE PROJECT NUMBER	
IALL TO BE IG VERTICAL	6744-02-70	
DESIGN DATA LIVE LOAD: DESIGN LOADING : HL-S INVENTORY RATING FA OPERATIONAL RATING I WISCONSIN STANDARD STRUCTURE IS DESIGNE SURFACE OF 20 POUN	TRAFFIC DATA: 93 A.A.D.T. (2023) = 2, CTOR : 1.20 A.A.D.T. (2043) = 3, FACTOR : 1.56 R.D.S. = 30 MPH PERMIT VEHICLE (WIS-SPV) = 250 KIPS. ED FOR A FUTURE WEARING DS PER SQUARE FOOT. DS PER SQUARE FOOT.	,930 ,510
MATERIAL PROPERTIES: CONCRETE MASONRY, S	SUPERSTRUCTURE f'e= 4,000 P.S.I.	
ALL OTH HIGH-STRENGTH BAR S REINFORCEMENT, GRAI	HER f`c= 3,500 P.S.I. STEEL DE 60 fy= 60,000 P.S.	
PILING CIP CONCRETE FOUNDATION DATA: ABUTMENTS TO BE S 1034 X 0.25-INCH DF OF 125 TONS ¥ PER GATES DYNAMIC FORM 65'-0" AT THE SOUTH ABULTMENT	$10\frac{3}{4} \times 0.25$ -INCH — fy = 45,000 P.S. SUPPORTED ON PILING CIP CONCRETE RIVEN TO A REQUIRED DRIVING RESISTANCE R PILE AS DETERMINED BY THE MODIFIED MULA. ESTIMATED PILE LENGTHS ARE H ABUTMENT AND 70'-0" AT THE NORTH	.1.
THE FACTORED AXIAL FOR DESIGN IS THE F RESISTANCE FACTOR DRIVEN PILE CAPACIT	RESISTANCE OF PILES IN COMPRESSION US REQUIRED DRIVING RESISTANCE MULTIPLIED B OF 0.5 USING MODIFIED GATES TO DETERMIN Y.	ED YA NE
100 YEAR FREQUENC DRAINAGE AREA 0 0100	Y 1.14 S0. MI. 556 C.F.S. 9.23 FT./S GO SO.FT. 60 S0. FT. CODE 5 ELEVATION 850.19 80 C.F.S. 6.14 FT./SI BUENCY 846.16 Y DESIGN FREQUENCY > 100 YEAL DESIGN CONTACT: BRIDGE OFFICE CONTACT AARON BONK 400 KL	EC. EC. RS
(608) 355-8878	3 (608) 261-0261	
	ATE REVISION E WINDING ARCHITECTURE SURVE FUNDING PLANNING ENVIRONMEN 1230 SOUTH BLVD., BARABOO WI 539 (608) 242-7771 WWW.msa-ps.0 0 MSA Professional Services, Inc. 0 MSA Professional Services, Inc.	YING ITAL 113 com
ACCEP-	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION TED	2
N. MA	STRUCTURE B-39-81	

GENERAL PLAN

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● NORMAL TO € OF ABUTMENTS

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PREFORMED FILLEF

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BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE TYPE HR TO THE LIMITS SHOWN ON SHEET 1 AND ON THE ABUTMENT SHEETS OR AS DIRECTED BY THE ENGINEER.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-39-81"

CONFLICTS WITH EXISTING FOUNDATIONS ARE ANTICIPATED. FOUNDATION REMOVAL LIMITS TO BE DETERMINED BY THE ENGINEER IN THE FIELD AND SHALL BE INCLUDED UNDER BID ITEM "REMOVING STRUCTURE OVER WATERWAY DEBRIS CAPTURE B-39-977". PRE-BORING ROCK OR CONSOLIDATED MATERIALS IS AN ACCEPTABLE ALTERNATE METHOD TO ADDRESS FOOTING CONFLICTS AND IF USED SHALL BE INCLUDED UNDER THE BID ITEM "REMOVING STRUCTURE OVER

COFFERDAMS AND DEWATERING ARE REQUIRED FOR THE REMOVAL OF THE EXISTING ABUTMENTS IN CONFLICT WITH PROPOSED PILING, FOR REMOVAL OF PEAT AT THE SOUTH ABUTMENT, AND FOR BACKFILL STRUCTURE TYPE A

■-THIS STRUCTURE WILL REPLACE THE EXISTING STRUCTURE, B-39-977, A 25.3 FT. LONG, SINGLE SPAN CONCRETE FLAT SLAB BRIDGE ON FULL RETAINING CONCRETE ABUTMENTS ON SPREAD FOOTINGS WITH 27.0 FT. CLEAR ROAD WIDTH. THE REMOVAL OF EXISTING CONCRETE SINGLE SPAN STRUCTURE. THE TWO CONCRETE SINGLE SPAN SIDEWALK SPANS ON THE EXISTING ABUTMENT EXTENSIONS, AND ALL EXISTING DRAIN TILES THROUGH ABUTMENTS SHALL BE INCLUDED WITH THE BID ITEM "REMOVE STRUCTURE OVER WATERWAY DEBRIS CAPTURE B-39-977". THE CONTRACTOR IS ALLOWED TO ISOLATE THE DEMO AREA AND BYPASS WATER IN LIEU OF A FULL DEBRIS CAPTURE SYSTEM.

BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS, INCLUDING 2'FOR REPLACEMENT OF PEAT REMOVAL UNDER THE SOUTH ABUTMENT, AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS AND ABUTMENT WINGS FOR 3 FEET, AND FOR 2.5 FEET UNDER THE SOUTH ABUMENT.GEOTEXTILE SHALL BE SET AT THE BOTTOM OF THE EXCAVATION AND EXTEND 2'-O ABOVE BOTTOM OF ABUTMENT.BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING

BACKFILL THE COFFERDAMS TO THE BOTTOM OF THE PROPOSED SOUTH ABUTMENT BEFORE REMOVING THE SHEETING. BACKFILL PLACED WITHIN COFFERDAMS TO THE BOTTOM OF PROPOSED ABUTMENT SHALL BE INCLUDED WITH THE

EXCAVATION BELOW THE NORTH ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL.

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE TOP OF SLAB, TO THE FACE & TOP OF PAVING NOTCHES, TO THE TOP AND INSIDE FACE OF SIDEWALK, AND TO THE EXPOSED SURFACES ON THE TOP AND FRONT FACE OF WING 4.

PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE INSIDE FACES, THE TOP FACES, AND THE VERTICAL ENDS

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO USGS NAVD 88 (2012 ADJUSTED). BENCHMARK REFERENCES AT THE PROJECT SITE WERE SET BY THE CONSULTANT USING GPS TECHNOLOGY.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE, UNLESS AN ALTERNATIVE METHOD IS

PARAPETS AND SIDEWALK ON TOP OF SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

-LIMITS OF BACKFILL (B)

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NO. DATE	F		B	Y					
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION									
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SURVEY TOP OF SLAB ELEVATIONS

	SOUTH ABUTMENT	5/10 PT.	NORTH ABUTMENT
WEST GUTTER			
€ N. MAIN STREET			
EAST GUTTER			

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE \pounds of abutments, and at 5/10 pts. to verify camber, take elevations along gutter lines and crown or $\pounds.$ RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.



CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS.

CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.

RAISED SIDEWALK & PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

- TOP OF SLAB ELEVATION AT FINAL GRADE
- PLUS ___ CAMBER

PLUS ... FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR) EQUALS = TOP OF SLAB FALSEWORK ELEVATION

TOP OF SLAB ELEVATIONS

	C/L BRG SOUTH ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	C/L BRG NORTH ABUT.
WESTEDGE OF SLAB	853.24	853.23	853.22	853.20	853.19	853.18	853.16	853.15	853.14	853.13	853.11
C/L N MAIN ST.	853.60	853.59	853.57	853.56	853.55	853.53	853.52	853.51	853.49	853.48	853.47
EAST EDGE OF SLAB	853.21	853.20	853.19	853.17	853.16	853.15	853.13	853.12	853.11	853.10	853.08
NOTE:	•										

THE TOP OF SLAB ELEVATIONS AT WEST EDGE OF SLAB ARE THE SAME AT THE TRAFFIC FACE OF WEST PARAPET.







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- (1B) PLATE 5/8" X 6" X 10" WITH 3/4" X 11/2" SLOTTED HOLES.
- (1C) PLATE 5%" X 8" X 1'-1" WITH 34" X 11/2" SLOTTED HOLES.
- (2B) $\frac{1}{4}$ " X 5" X 9" ANCHOR PLATE WITH $\frac{1}{16}$ " ϕ HOLES FOR THR'D. RODS NO. 3.
- (2C) $\frac{1}{4}$ " X $\frac{21}{2}$ " X $\frac{71}{4}$ " ANCHOR PLATE WITH $\frac{1}{16}$ " ϕ HOLES FOR THR'D. RODS NO. 3.
- (3) 5%" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 5%-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. EMBED 5" IN CONCRETE FOR END RAILS. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD
- (4B) STRUCTURAL TUBING 3" X 3" X 36". PLACE VERTICAL. WELD TO NO.1& 5.
- $\overset{(5)}{5a}$ structural tubing 3" x $1\!/_2$ " x $\frac{3}{6}$ " rails. Weld to no.1 & no.4. Inside of tube to be painted at all field erection & expansion joints.
- (6A) BAR 1" X 1" PICKETS. PLACE VERTICAL. WELD TO NO.5.
- (9A) RECTANGULAR SLEEVE FABRICATED FROM $\frac{3}{6}$ " PLATES. PROVIDE "SLIDING FIT".
- (0A) RECTANGULAR SLEEVE FABRICATED FROM % " plates. (1'-4" @ FIELD ERECTION JOINTS.)

BID ITEM FOR RAILING ON PARAPETS SHALL BE "RAILING STEEL TYPE C6", WHICH SHALL INCLUDE GALVANIZING, PAINTING, AND ALL STEEL RAILING ITEMS SHOWN. POST BASE PLATES SHALL BE FLAT 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.

- ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.
- ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.
- CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.
- STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.
- CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.
- ALL JOINTS AND RECESSES IN CONCRETE PARAPET ARE TO BE VERTICAL.
- ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE TO ASTM A123.
- PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED THE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED BLACK FEDERAL STANDARD COLOR NO. 27038.
- VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.
- RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 TO 4 POSTS.
- TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

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						DETAILS					



EARTHWORK SUMMARY

			EUL (1)	EXPANDED	W/ASTE	BORROW
STA	CY	CY	CY	CY	CY	CY
9+25.00						
	27	0	1	1	26	-26
9+35.00						
	79	0	10	13	66	-66
9+64.62						
STRUCTURE B-3	9-0081					
10+20.39						
	22	0	1	1	21	-21
10+30.00						
	15	0	2	3	12	-12
10+35.17	20	0	10	10	26	26
10.50.00	39	0	10	13	26	-26
10+50.00	62	0	12	17	15	45
10+75 00	02	0	10	17	40	-45
SUBTOTALS						
S. APPROACH	106	0	11	14	92	-92
N. APPROACH	138	0	26	34	104	-104
UNUSABLE PAVE	MENT (3)					37
TOTALS	244	0	37	48	196	-196
(1) - NOT A BID	ITEM - FOR INFO	RMATIONAL	PURPOSES C	NLY.		
(2) - FILL EXPAN	SION 30%					
(3) - EXISTING P.	AVEMENT BASE	ON AVE THK	OF 4"			

PROJECT NO:	6744-02-70	HWY: LOC STR	COUNTY: MARQUETTE		EARTHWORK D	ATA	
FILE NAME : G:\00\0	00177\00177037\CADD\SHEETSPLAN\090101_EW.DWG		PLOT DAT	: 10/14/2022 6:58 AM	PLOT BY :	BRAD LEE	PLOT NAME :

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