GRE MAY 2024

ORDER OF SHEETS PROJECT ID: WITH: N/A

6430-22-7

\_\_\_\_\_

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.		Structure Plans
o // N	•	

Section No. Cross Sections 9

TOTAL SHEETS = 96

DESIGN DESIGNATION 6430-22-00 AADT 2024 = 11.040A.A.D.T. 2044 = 13,270 D.H.V. = 690 D.D. = 60/40 = 9.2 Τ. DESIGN SPEED = 60 ESALS = 2,900,000

### CONVENTIONAL SYMBOLS PLAN

COUNTY:

PROPERTY LINE	
LOT LINE LIMITED HIGHWAY EASEMENT	 L _
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT REFERENCE LINE	
EXISTING CULVERT PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	-0
MARSH AREA	

WOODED OR SHRUB AREA

PROFILE GRADE LINE <u>///////</u> ORIGINAL GROUND \_\_\_\_ - \_\_\_ MARSH OR ROCK PROFILE \_\_\_\_ (To be noted as such) SPECIAL DITCH GRADE ELEVATION \_ \_ · CULVERT (Profile View) UTILITIES 300'EB' ELECTRIC FIBER OPTIC \_\_\_ GAS SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE TELEPHONE POLE



ø

## **STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

## **OSHKOSH - GREENVILLE**

CTH II - SHADY LN

**STH 76** WINNEBAGO COUNTY



FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\010101-TI.DWG

	FEDERAL PROJECT				
STATE PROJECT	PROJECT	CONTRACT			
6430-22-71	WISC 2024328	1			

STATE	OF WISCONSIN
DEPARTMEN	FOF TRANSPORTATION
PREPARED BY	
Surveyor	SURVEYOR

Designer Project Manage Regional Examiner Regional Superviso

ERIC DANKE WILLIAM BERTRAND REGIONAL EXAMINER TAMMY RABE

PPROVED FOR THE DEPARTMENT

ATE: 2/26/24

(Signature)

Bill Bertrand, P.E.

### GENERAL NOTES

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

JAY SCHIEFELBEIN 2984 SHAWANO AVE GREEN BAY, WI 54313 (920) 360-3784 jeremiah.schiefelbein@wisconsin.gov

### WINNEBAGO COUNTY HIGHWAY COMMISSIONER

ROBERT DOEMEL 901 W COUNTY RD Y OSHKOSH, WI 54901 (920) 232-1713 rdoemel@co.winnebago.wi.us

### NE REGION SURVEY COORDINATOR

MICHAEL ANDRASCHKO, PLS 944 VANDERPERREN WAY GREEN BAY, WI 54304 (920) 492-4166 michael.andraschko@dot.wi.gov

### NE REGION DESIGN PROJECT MANAGER

WILLIAM BERTRAND. PE 944 VANDERPERREN WAY GREEN BAY, WI 54304 (920) 360-3124 william.bertrand@dot.wi.gov

### ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES TYPICAL SECTIONS CONSTRUCTION DETAILS PLAN DETAILS TRAFFIC CONTROL DETOUR PLAN ALIGNMENT PLAN

### RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
			A		В			С			D	
	SLOP	E RANGE	(PERCENT)	S	LOPE RANG	GE (PERCENT)	SLO	OPE RANG	GE (PERCENT)	SLOF	PE 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	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIP-	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
TURF	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPE-			.25			.27			.28			.30
TURF			.32			.34			.36			.38
PAVEMENT:		1			I		1				1	1
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585						
ROOFS						.7595						
GRAVEL ROADS, SHO	DULDERS					.4060						

PROJECT NO: 6430-22-71 HWY: STH 76 COUNTY: WINNEBAGO **GENERAL NOTES** PLOT BY :

N:\PDS\C3D\64302200\SHEETSPLAN\020101-GN.DWG FILE NAME : LAYOUT NAME - 020101-gn

PLOT DATE : 3/27/2024 7:08 AM

### UTILITIES CONTACTS

SCOTT HEINZELMAN BRIGHTSPEED OF E CENTRAL WISCONSIN - COMMUNICATION LINE 144 N PEARL ST BERLIN, WI 54923 (608) 716-5964 & (920) 757-4802 scott.heinzelman@brightspeed.com

2

LINDA TREBIATOWSKI WISCONSIN PUBLIC SERVICE CORP - ELECTRICITY 2850 S ASHLAND AVE GREEN BAY, WI 54304 (920) 236-5904 & (920) 660-3266 linda.trebiatowski@wisconsinpublicservice.com

JESUS VICTORIA WE ENERGIES - GAS/PETROLEUM 800 S LYNNDALE DR APPLETON, WI 54914 (920) 380-3314 & (920) 470-3812 jesus.victoria@we-energies.com

BEN HAMBLIN MCMAHON ASSOCIATES CLAYTON SANITARY DISTRICT #1 - SEWER & WATER 1445 MCMAHON DRIVE NEENAH, WI 54956 (920) 751-4200 & (920) 810-2468 bhamblin@mcmgrp.com

VINCENT ALBIN SPECTRUM - COMMUNICATION LINE 3520 E DESTINATION DR APPLETON, WI 54915 (920) 831-9249 & (920) 378-0444 vince.albin@charter.com

ADAM VANDENHOUTEN WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM 3300 N MAIN ST OSHKOSH, WI 54901 (920) 617-2736 & (920) 660-5548 adam.vandenhouten@wisconsinpublicservice.com



SHEET



N:\PDS\C3D\64302200\SHEETSPLAN\020201-PO.DWG LAYOUT NAME - 020201-po FILE NAME :

PLOT DATE : 10/12/2023 10:32 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :





HWY: STH 76

6430-22-71

COUNTY: WINNEBAGO PLOT DATE : 10/18/2023 10:18 AM TYPICAL SECTIONS



Ε

PLOT SCALE : 1IN:10 FT



PROJECT NO: 6430-22-71	HWY: STH 76	COUNTY: WINNEBAGO		TYPICAL SECT	IONS	
EILE NAME · N·\PDS\C3D\64302200\SHEETSPLAN\020301-TS DWG		PLOT DATE ·	10/18/2023 10·18 AM	PLOT BY ·	CAMPSHURE MICHAELR	PLOT

NAME : 10/18/202 JRE, MI

2

PLOT SCALE : 1IN:10 FT





-ASPHALT REMOVAL IN FRONT PAID AS REMOVING ASPHALTIC SURFACE







FILE NAME :	N:\PDS\C3D\64302200\SHEETSPLAN\022001-EC.DWG
	LAYOUT NAME - 022003-ec

PLOT SCALE : 1 IN:40 FT





FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\022001-EC.DWG LAYOUT NAME - 022005-ec

PLOT DATE : 10/12/2023 10:41 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :



FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\022001-EC.DWG LAYOUT NAME - 022006-ec PLOT DATE : 10/12/2023 10:41 AM

PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :





FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\026001-TC.DWG LAYOUT NAME - 026002-tc

PLOT DATE : 10/18/2023 9:35 AM PLOT BY :

PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :







FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\026001-TC.DWG LAYOUT NAME - 026005-tc PLOT DATE : 10/18/2023 9:35 AM

PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :









N:\PDS\C3D\64302200\SHEETSPLAN\026002-TC.DWG LAYOUT NAME - 026008-tc FILE NAME :



PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :

PLOT SCALE : 1 IN:40 FT



PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :







FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\026002-TC.DWG LAYOUT NAME - 026012-tc PLOT DATE : 10/18/2023 9:36 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :

					6430-22-71
Line	Item	Item Description	Unit	Total	Qty
0002	204.0100	Removing Concrete Pavement	SY	23.000	23.000
0004	204.0110	Removing Asphaltic Surface	SY	104.000	104.000
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	156.000	156.000
8000	204.0120	Removing Asphaltic Surface Milling	SY	37,404.000	37,404.000
0010	204.0150	Removing Curb & Gutter	LF	416.000	416.000
0012	204.0165	Removing Guardrail	LF	490.000	490.000
0014	211.0101	Prepare Foundation for Asphaltic Paving (project) 01, 6430-22-71	EACH	1.000	1.000
0016	213.0100	Finishing Roadway (project) 01. 6430-22-71	EACH	1.000	1.000
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	538.000	538.000
0020	415.0060	Concrete Pavement 6-Inch	SY	11.000	11.000
0022	416.0610	Drilled Tie Bars	FACH	68.000	68.000
0024	455.0605	Tack Coat	GAL	4,494,000	4,494,000
0026	460 2000	Incentive Density HMA Pavement		5 850 000	5 850 000
0028	460 6223	HMA Pavement 3 MT 58-28 S	TON	5 110 000	5 110 000
0020	460 6224	HMA Pavement 4 MT 58-28 S	TON	4 020 000	4 020 000
0030	465 0105	Asphaltic Surface	TON	4,020.000	43 000
0034	465 0110	Asphaltic Surface Patching	TON	50,000	50,000
0034	403.0110	Aspiratic Surface Facility Congrete Curb & Cutter & Josh Sloped 20 Jack Type J		416,000	416 000
0030	601.0415	Concrete Curb & Gutter Istogral 20 Inch Type J		416.000	416.000
0030	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D		47.000	47.000
0040	611.0630	Iniet Covers Type Hivi-GJ	EACH	1.000	1.000
0042	614.0010	Barrier System Grading Snaping Finisning	EACH	2.000	2.000
0044	614.2300	MGS Guardrall 3	LF	25.000	25.000
0046	614.2500	MGS Inrie Beam Transition	LF	80.000	80.000
0048	614.2610	MGS Guardrail Terminal EAT	EACH	2.000	2.000
0050	618.0100	Maintenance and Repair of Haul Roads (project) 01. 6430-22-71	EACH	1.000	1.000
0052	619.1000	Mobilization	EACH	1.000	1.000
0054	624.0100	Water	MGAL	8.000	8.000
0056	625.0100	Topsoil	SY	136.000	136.000
0058	628.1504	Silt Fence	LF	369.000	369.000
0060	628.1520	Silt Fence Maintenance	LF	369.000	369.000
0062	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0064	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0066	628.2002	Erosion Mat Class I Type A	SY	136.000	136.000
0068	628.7015	Inlet Protection Type C	EACH	29.000	29.000
0070	629.0210	Fertilizer Type B	CWT	0.090	0.090
0072	630.0130	Seeding Mixture No. 30	LB	2.400	2.400
0074	630.0500	Seed Water	MGAL	3.000	3.000
0076	642.5001	Field Office Type B	EACH	1.000	1.000
0078	643.0300	Traffic Control Drums	DAY	4,695.000	4,695.000
0800	643.0420	Traffic Control Barricades Type III	DAY	164.000	164.000
0082	643.0705	Traffic Control Warning Lights Type A	DAY	92.000	92.000
0084	643.0715	Traffic Control Warning Lights Type C	DAY	64.000	64.000
0086	643.0800	Traffic Control Arrow Boards	DAY	16.000	16.000
0088	643.0900	Traffic Control Signs	DAY	1.010.000	1.010.000
0090	643,1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0092	643 3165	Temporary Marking Line Paint 6-Inch	LF	24 842 000	24 842 000
0094	643 5000	Traffic Control	FACH	1 000	1 000
0096	646 2020	Marking Line Enoxy 6-Inch		5 135 000	5 135 000
0090	646 2040	Marking Line Crooved Wet Pot Epoys 6 Inch		11 740 000	11 740 000
0090	646 4040	Marking Line Grooved Wet Ref Epoxy 10 Inch		2 495 000	2 495 000
0100	040.4040	warking Line Grooved wet Ker Epoxy 10-Inch	LF	2,465.000	2,485.000

Estimate Of Quantities

3

### 03/13/2024 12:11:19

Page 1

3

				Estimate Of C	Quantities	
					6430-22-71	
Line	Item	Item Description	Unit	Total	Qty	
0102	646.7120	Marking Diagonal Epoxy 12-Inch	LF	720.000	720.000	
0104	650.8000	Construction Staking Resurfacing Reference	LF	5,305.000	5,305.000	
0106	690.0150	Sawing Asphalt	LF	537.000	537.000	
0108	690.0250	Sawing Concrete	LF	85.000	85.000	
0110	740.0440	Incentive IRI Ride	DOL	11,200.000	11,200.000	
0112	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000	
0114	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000	
0116	SPV.0060	Special 01. Cleaning Storm Sewer Outfall	EACH	12.000	12.000	
0118	SPV.0060	Special 02. Adjusting Inlet Covers and Replacing Rings	EACH	17.000	17.000	

# 03/13/2024 12:11:19 Page 2 3

### 204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS

	<u>STATION</u>	ROADWAY	LOCATION	<u>AREA (SY)</u>
	693+95	STH 76	SOUTH PROJECT LIMITS	7
	707+50	FAIRVIEW RD	EAST PROJECT LIMITS	9
	707+50	FAIRVIEW RD	WEST PROJECT LIMITS	6
	717+90	EB USH 10 OFF-RAMP	WEST LIMITS	19
	718+15	EB USH 10 ON-RAMP	EAST LIMITS	14
	719+58	SB STH 76	SOUTH END OF USH 10 STRUCTURE	10
	719+58	NB STH 76	SOUTH END OF USH 10 STRUCTURE	10
	722+12	SB STH 76	NORTH END OF USH 10 STRUCTURE	10
	722+12	NB STH 76	NORTH END OF USH 10 STRUCTURE	10
	723+50	WB USH 10 ON-RAMP	WEST LIMITS	18
	723+80	WB USH 10 OFF-RAMF	EAST LIMITS	22
	733+20	AMERICAN DR	EAST PROJECT LIMITS	7
	733+20	AMERICAN DR	WEST PROJECT LIMITS	7
	747+00	STH 76	NORTH PROJECT LIMITS	7
I				

### TOTAL

<u>156</u>

<u>305.011</u>	) BASE	E AGGREGA	TE DENSE	3/4-INC	<u>.H</u>
					624.0100 WATER
<u>ROADWAY</u>	<u>RT/L</u>	<u>ISTATION TO</u>	<u>STATION</u>	<u>TONS</u>	MGAL
STH 76	LT	693+95 -	699+73	43	1
STH 76	RT	693+95 -	706+74	92	1
STH 76 SB	LT	703+22 -	706+95	26	0.4
STH 76 NB	RT	708+04 -	717+74	64	1
STH 76 SB	LT	710+26 -	717+58	53	1
STH 76 SB	LT	718+19 -	719+59	9	0.1
STH 76 NB	RT	718+38 -	719+59	6	0.1
STH 76 SB	LT	722+10 -	723+30	5	0.1
STH 76 NB	RT	722+10 -	723+50	9	0.1
STH 76 SB	LT	723+99 -	732+70	64	1
STH 76 NB	RT	724+27 -	732+47	54	1
STH 76 NB	RT	733+76 -	737+05	22	0.3
STH 76	LT	741+03 -	747+00	45	1
STH 76	RT	741+00 -	747+00	44	1
FAIRVIEW ROAD	RT	707+32 -	707+36	1	-
AMERICAN DRIVE	RT	733+07 -	733+10	1	-
AMERICAN DRIVE	LT	733+37 -	733+39	1	-
			<u>TOTAL</u>	<u>538</u>	<u>8</u>

204.0110 1(2)	VIOVING AS	PHALTIC .	SURFAC
<u>ROADWAY</u>	<u>STATION</u>	<u>RT/LT</u>	<u>SY</u>
STH 76 NB	710+25	LT	3
STH 76 NB	713+68	LT	3
STH 76 NB	717+85	LT	24
STH 76 NB	722+30	RT	6
STH 76 NB	722+98	LT	2
STH 76 NB	728+86	LT	4
STH 76 NB	732+42	LT	2
STH 76 NB	736+00	LT	2
STH 76 NB	740+44	LT	3
STH 76 SB	701+02	LT	3
STH 76 SB	713+68	LT	3
STH 76 SB	717+76	LT	22
STH 76 SB	722+29	LT	6
STH 76 SB	722+98	LT	3
STH 76 SB	728+87	LT	3
STH 76 SB	732+53	LT	2
STH 76 SB	736+00	LT	7
STH 76 SB	737+58	LT	2
STH 76 SB	740+47	LT	3
		<u>TOTAL</u>	<u>104</u>

204.0165 REMOVING GUARDRAIL										
<u>ROADWAY</u>	<u>RT/LT</u>	<u>LENGTH (LF)</u>	REMARKS							
STH 76	LT	135	SOUTHWEST QUADRANT OF USH 10 STRUCTURE							
STH 76	RT	110	SOUTHEAST QUADRANT OF USH 10 STRUCTURE							
STH 76	LT	110	NORTHWEST QUANDRANT OF USH 10 STRUCTURI							
STH 76	RT	135	NORTHEAST QUADRANT OF USH 10 STRUCTURE							
	TOTAL	<u>490</u>								

204.0100 REMOVING CONCRETE PAVEMENT								
<u>ROADWAY</u>	STATION RT/LT SY		<u>SY</u>	REMARKS				
STH 76 NB STH 76 SB	722+30 722+29	R⊤ LT	14 9	REMOVED IN CONJUNCTION WITH INTEGRAL CURB & GUTTER REMOVED IN CONJUNCTION WITH INTEGRAL CURB & GUTTER				

<u>TOTAL 23</u>

204.0150 REMOVING CURB & GUTTER										
<u>ROADWAY</u>	<u>STATION</u>	<u>RT/LT</u>	<u>LF</u>	<u>remarks</u>						
STH 76 NB	710+25	LT	13							
STH 76 NB	713+68	LT	13							
STH 76 NB	717+85	LT	110							
STH 76 NB	722+98	LT	9							
STH 76 NB	728+86	LT	16							
STH 76 NB	732+42	LT	10							
STH 76 NB	736+00	LT	11							
STH 76 NB	740+44	LT	15							
STH 76 SB	701+02	LT	12							
STH 76 SB	713+68	LT	15							
STH 76 SB	717+76	LT	100							
STH 76 SB	722+98	LT	13							
STH 76 SB	728+87	LT	15							
STH 76 SB	732+53	LT	8							
STH 76 SB	736+00	LT	33							
STH 76 SB	737+58	LT	8							
STH 76 SB	740+47	LT	15							
		TOTAL	<u>416</u>							

PROJECT NO: 6430-22-71	HWY: STH 76	COUNTY: WINNEBAGO

FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 01 PLOT DATE : 2/26/2024 8:03 AM

PLOT BY : HEIDEN, BRIAN MATTHE PLOT NAME :

MISCELLANEOUS QUANTITIES

204.0120 REMOVING ASPHALTIC SURFACE MILLING							
<u>STATION</u>	<u>T0</u>	<u>STATION</u>	<u>ROADWAY</u>	<u>AREA (SY)</u>			
693+95	-	698+79	STH 76	2176			
698+79	-	706+92	STH 76 NB	3114			
698+79	-	706+92	STH 76 SB	2480			
706+92	-	708+07	STH 76	2076			
708+07	-	717+94	STH 76 NB	3458			
708+07	-	717+94	STH 76 SB	3737			
717+94	-	718+65	STH 76	832			
718+65	-	719+57	STH 76 NB	485			
718+65	-	719+57	STH 76 SB	475			
722+11	-	723+07	STH 76 NB	489			
722+11	-	723+07	STH 76 SB	490			
723+07	-	723+78	STH 76	849			
723+78	-	732+65	STH 76 NB	3454			
723+78	-	732+65	STH 76 SB	2839			
732+65	-	733+88	STH 76	2124			
733+88	-	740+65	STH 76 NB	2199			
733+88	-	740+65	STH 76 SB	2993			
740+65	-	747+00	STH 76	3134			
			<u>TOTAL</u>	<u>37404</u>			

3

SHEET

416.0610 DRILLED TIE BARS       OADWAY     STATION       RT/LT     EACH		LC	WER_UPPER_	<u>MT 58-28 S</u>	<u>MT 58-28 S</u> <u>P</u>	ATCHING		STH 76 NB 710+25	
OADWAY STATION RT/LT EACH		LC	WER UPPER						
OADWAY STATION RT/LT EACH								STH 76 NB 712+69	
	REMARKS STATION TO S	TATION ROADWAY	AYER LAYER	TON	TON	TON	<u>REMARKS</u>	STH 76 NB 717+85	
	693+95 - 6	598+79 STH 76	153 109	300	230	-		STH 76 NB 722+30	RT 2
JTH 76 NB 710+25 LT 4	698+79 - 7	706+92 STH 76 NB 2	218 156	420	340	-		STH 76 NB 722+98	IT 1
JTH 76 NB 713+68 LT 4	698+79 - 7	706+92 STH 76 SB 3	174 124	340	270	-		STH 76 NB 728+86	
JTH 76 NB 717+85 LT 4	706+92 - 7	708+07 STH 76	146 104	280	220	-	FAIRVIEW RD/STH 116	STH 76 NB 732+42	IT 1
JTH 76 NB 722+98 LT 4	708+07 - 7	717+94 STH 76 NB	242 173	470	370	-		STH 76 NB 736+00	
JTH 76 NB 728+86 LT 4	708+07 - 7	717+94 STH 76 SB	262 187	510	400	-		STH 76 NB 740+44	IT 1
JTH 76 NB 732+42 LT 4	717+94 - 7	718+65 STH 76	58 42	110	90	-		STH 76 SB 701+02	IT 1
JTH 76 NB 736+00 LT 4	718+65 - 7	719+57 STH 76 NB	34 25	70	50	-		STH 76 SB 713+68	LT 8
TH 76 NB 740+44 LT 4 TO BE INSTA	TALLED IN THE EXISTING 718+65 - 7	719+57 STH 76 SB	33 24	60	50	-		STH 76 SB 717+76	- LT 8
TH 76 SB 701+02 LT 4 CURB AN	AND GUTTER AT THE 722+11 - 7	723+07 STH 76 NB	34 25	70	50	-		STH 76 SB 722+29	LT 2
STH 76 SB 713+68 LT 4	SIDE. 722+11 - 7	723+07 STH 76 SB	34 25	70	50	-		STH 76 SB 722+98	
5TH 76 SB 717+76 LT 4	723+07 - 7	723+78 STH 76	60 43	120	90	-		STH 76 SB 728+87	LT 1
5TH 76 SB 722+98 LT 4	723+78 - 7	732+65 STH 76 NB 2	242 173	470	370	-		STH 76 SB 732+53	
5TH 76 SB 728+87 LT 4	723+78 - 7	732+65 STH 76 SB	199 142	390	310	-		STH 76 SB 736+00	
JTH 76 SB 732+53 LT 4	732+65 - 7	733+88 STH 76	148 106	290	230	-	AMERICAN DR/STH 116	STH 76 SB 737+58	
JTH 76 SB 736+00 LT 4	733+88 - 7	740+65 STH 76 NB	154 110	300	240	-		STH 76 SB 740+47	
JTH 76 SB 737+58 LT 4	733+88 - 7	740+65 STH 76 SB 2	209 150	410	320	-		51117030 740147	
JTH 76 SB 740+47 LT 4	740+65 - 7	747+00 STH 76	219 157	430	340	-			<u>TOTAL</u> <u>43</u>
				-	-	50	PROJECT WIDE		
<u>TOTAL</u> <u>68</u>									
		<u>2</u> ,	<u>619</u> <u>1,875</u>						
		TOTAL	<u>4,494</u>	<u>5,110</u>	<u>4,020</u>	<u>50</u>			
		<u> </u>	511.0630 INLET	COVERS TYPE H	M-GJ				
601.0452 CONCRETE CURB & GUT	UTTER	ROADWAY STATIO	<u>N RT/LT</u>	<u>EACH</u>	<u>REMARKS</u>				
	<u> </u>								
ROADWAY STATION PT/IT LEN		STH 76 NB 710+25	5 LT	1 REF	PLACE EXISTING C	ASTING			
	24		TOTAL	<u>1</u>					
	24								
א א א א א א א א א א א א א א א א א א א	23								
TOTAL	47								
	<u></u>								
יה היה היה היה היה היה היה היה היה היה	176 NB       713+68       LT       4         176 NB       717+85       LT       4         176 NB       722+98       LT       4         176 NB       722+98       LT       4         176 NB       722+98       LT       4         176 NB       732+42       LT       4         176 NB       736+00       LT       4         176 NB       736+00       LT       4         176 NB       740+44       LT       4         176 SB       701+02       LT       4         176 SB       713+68       LT       4         176 SB       717+76       LT       4         176 SB       732+53       LT       4         176 SB       732+53       LT       4         176 SB       736+00       LT       4         176 SB       730+07       LT       4         176 SB       740+47       LT	176 NB       713+68       LT       4         176 NB       717+85       LT       4         176 NB       722+98       LT       4         176 NB       722+98       LT       4         176 NB       722+98       LT       4         176 NB       722+92       LT       4         176 NB       732+42       LT       4         176 NB       736+00       LT       4         176 SB       701+02       LT       4         176 SB       713+68       LT       4         176 SB       713+68       LT       4         176 SB       717+76       LT       4         176 SB       722+98       LT       4         176 SB       732+53       LT       4         176 SB       732+53       LT       4         176 SB       730+00       LT       4         176 SB       732+53       LT       4         176 SB       730+00       LT       4         176 SB       740+47       LT       4         176 SB       740+47       LT       4         176 SB       740+47       LT	175 NB       713+68       LT       4         176 NB       717+85       LT       4         176 NB       722+98       LT       4         176 NB       722+92       LT       4         176 NB       724+02       LT       4         176 NB       724+04       LT       4         176 NB       724+02       LT       4         176 SB       714+56       T       4         176 SB       714+56       LT       4         176 SB       714+56       LT       4         176 SB       714+56       LT       4         176 SB       724+98       LT       4         176 SB       724+76       LT       4         176 SB       732+58       LT       4         176 SB       732+58       LT       4         176 SB       732+58       STH 76 NB <td>176 NB       713+68       LT       4         176 NB       717+85       LT       4         176 NB       722+98       LT       4         176 NB       728+86       LT       4         176 NB       728+96       LT       4         176 NB       728+96       LT       4         176 NB       728+96       LT       4         176 NB       719+50       STH 76 SB       22         176 SB       718+65       STH 76 SB       34       25         176 SB       717+94       STH 76 SB       34       25         176 SB       722+93       LT       4       25         176 SB       732+87       T       4       25         176 SB       732+88       LT       4       25         176 SB       732+85       LT       4       26         176 SB       732+85       LT       4       26         176</td> <td>176 NB       713+68       LT       4         176 NB       713+68       LT       4         176 NB       712+68       LT       4         176 NB       722+98       LT       4         176 NB       722+94       LT       4         176 NB       732+42       LT       4         176 NB       717+44       STIP 76       STIP 76       SSI       34       25       70         178 45       712+47       LT       4       SDE       723+78       STIP 76 NB       34       25       70         178 45       712+47       LT       4       SDE       723+78       STIP 76 NB       34       25       70         173 478       732+53       LT       4       SDE       732+65       STIP 76 NB       164       106       200</td> <td>17 NB       713+68       LT       4         17 NB       717+85       LT       4         17 NB       722+93       LT       4         17 NB       722+93       LT       4         17 NB       728+85       LT       4         17 NB       728+95       LT       4         17 NB       728+96       LT       4         17 NB       728+96       LT       4         17 NB       728+97       LT       4         17 NB       728+70       LT       4         17 NB       728+70       LT       4         17 SB       717+95       NT 76 NB       34       25       70       50         17 A 58       728+75       LT       4       210       717+75       117       410       370         17 SB       724+75       LT       4       40       210       30       220         17 SB       724+75</td> <td>175 N8       713-68       LT       4         175 N8       727-85       LT       4         176 N8       727-85       LT       4         176 N8       724-85       LT       4         176 N8       724-45       LT       4         176 N8       724-45       LT       4         176 N8       724-04       LT       4         176 N8       704-04       LT       4         176 N8       704-45       LT       4         176 N8       704-45       LT       4         175 N8       713-66       LT       4         175 N8       724-85       STH 76 N8       34       25       70       50       -         175 N8       724-95       STH 76 N8       34       25       70       50       -         175 N8       724-95       STH 76 N8       34       25       70       50       -         175 N8       724-95       STH 76 N8       SH       10       202<td>476 N8       713-68       1.1       4         176 N8       712-85       1.1       4         176 N8       727-85       1.1       4         176 N8       728-85       1.1       4         176 N8       728-85       1.1       4         176 N8       728-85       1.1       4         176 N8       709-40       1.1       4         176 N8       709-40       1.1       4         176 N8       709-40       1.1       4         175 N8       709-40       1.1       4         175 N8       709-76       1.1       4         175 N8       717 4       4       500       700       517 58       32       20       50       -         175 N8       717 4       4       500       717 68       34       25       70       50       -         175 N8       717 4       4       500       717 68       34       20       510       -       72100       517 785       34       20       510       -       72100       517 785       34       20       50       -       72100       517 785       34       20       50       -<td>46 88       73 - 68       17       4         178 M2       72 - 48       17       4       1</td></td></td>	176 NB       713+68       LT       4         176 NB       717+85       LT       4         176 NB       722+98       LT       4         176 NB       728+86       LT       4         176 NB       728+96       LT       4         176 NB       728+96       LT       4         176 NB       728+96       LT       4         176 NB       719+50       STH 76 SB       22         176 SB       718+65       STH 76 SB       34       25         176 SB       717+94       STH 76 SB       34       25         176 SB       722+93       LT       4       25         176 SB       732+87       T       4       25         176 SB       732+88       LT       4       25         176 SB       732+85       LT       4       26         176 SB       732+85       LT       4       26         176	176 NB       713+68       LT       4         176 NB       713+68       LT       4         176 NB       712+68       LT       4         176 NB       722+98       LT       4         176 NB       722+94       LT       4         176 NB       732+42       LT       4         176 NB       717+44       STIP 76       STIP 76       SSI       34       25       70         178 45       712+47       LT       4       SDE       723+78       STIP 76 NB       34       25       70         178 45       712+47       LT       4       SDE       723+78       STIP 76 NB       34       25       70         173 478       732+53       LT       4       SDE       732+65       STIP 76 NB       164       106       200	17 NB       713+68       LT       4         17 NB       717+85       LT       4         17 NB       722+93       LT       4         17 NB       722+93       LT       4         17 NB       728+85       LT       4         17 NB       728+95       LT       4         17 NB       728+96       LT       4         17 NB       728+96       LT       4         17 NB       728+97       LT       4         17 NB       728+70       LT       4         17 NB       728+70       LT       4         17 SB       717+95       NT 76 NB       34       25       70       50         17 A 58       728+75       LT       4       210       717+75       117       410       370         17 SB       724+75       LT       4       40       210       30       220         17 SB       724+75	175 N8       713-68       LT       4         175 N8       727-85       LT       4         176 N8       727-85       LT       4         176 N8       724-85       LT       4         176 N8       724-45       LT       4         176 N8       724-45       LT       4         176 N8       724-04       LT       4         176 N8       704-04       LT       4         176 N8       704-45       LT       4         176 N8       704-45       LT       4         175 N8       713-66       LT       4         175 N8       724-85       STH 76 N8       34       25       70       50       -         175 N8       724-95       STH 76 N8       34       25       70       50       -         175 N8       724-95       STH 76 N8       34       25       70       50       -         175 N8       724-95       STH 76 N8       SH       10       202 <td>476 N8       713-68       1.1       4         176 N8       712-85       1.1       4         176 N8       727-85       1.1       4         176 N8       728-85       1.1       4         176 N8       728-85       1.1       4         176 N8       728-85       1.1       4         176 N8       709-40       1.1       4         176 N8       709-40       1.1       4         176 N8       709-40       1.1       4         175 N8       709-40       1.1       4         175 N8       709-76       1.1       4         175 N8       717 4       4       500       700       517 58       32       20       50       -         175 N8       717 4       4       500       717 68       34       25       70       50       -         175 N8       717 4       4       500       717 68       34       20       510       -       72100       517 785       34       20       510       -       72100       517 785       34       20       50       -       72100       517 785       34       20       50       -<td>46 88       73 - 68       17       4         178 M2       72 - 48       17       4       1</td></td>	476 N8       713-68       1.1       4         176 N8       712-85       1.1       4         176 N8       727-85       1.1       4         176 N8       728-85       1.1       4         176 N8       728-85       1.1       4         176 N8       728-85       1.1       4         176 N8       709-40       1.1       4         176 N8       709-40       1.1       4         176 N8       709-40       1.1       4         175 N8       709-40       1.1       4         175 N8       709-76       1.1       4         175 N8       717 4       4       500       700       517 58       32       20       50       -         175 N8       717 4       4       500       717 68       34       25       70       50       -         175 N8       717 4       4       500       717 68       34       20       510       -       72100       517 785       34       20       510       -       72100       517 785       34       20       50       -       72100       517 785       34       20       50       - <td>46 88       73 - 68       17       4         178 M2       72 - 48       17       4       1</td>	46 88       73 - 68       17       4         178 M2       72 - 48       17       4       1

3

	<u>614.0010 BARRII</u>	ER SYSTE	M GRAI	DING SHAPING	FINISHING								
									*FOR INFORM	ATION ONLY			
ROADWAY	STATION	<u>RT/LT</u>	<u>EACH</u>		REMARKS		BORROW (CY)	SALVAGED TOPSOIL (SY)	EROSION MAT CLASS I TYPE A (SY)	FERTILIZER TYPE B (CWT)	SEEDING MIXTURE NO. 30 (LB)	<u>ROADWA'</u>	<u>Y</u> <u>RT/LT</u>
STH 76	718+56 - 719+61	RT	1 SC	)UTHEAST QU	Adrant of USH :	10 STRUCTURE	5	11	11	0.01	0.2	STH 76	RT
STH 76	722+09 - 723+15	LT	1 NC	ORTHWEST QI	JANDRANT OF US	H 10 STRUCTURE	5	18	18	0.01	0.3	STH 76	LT
		<u>TOTAL</u>	2				10	<u>29</u>	<u>29</u>	<u>0.02</u>	<u>0.5</u>		<u>TOTAI</u>

					<u>RESTORATION</u>	
			625.0100 TOPSOIL	629.0210 FERTILIZER TYPE B	630.0130 SEEDING MIXTURE NO. 30	630.05 SEED W
ROADWAY	STATION	RT/LT	SY	CWT	LB	MGA
STH 76 NB	710+25	LT	3	0.002	0.1	0.1
STH 76 NB	713+68	LT	3	0.002	0.1	0.1
STH 76 NB	717+85	LT	24	0.02	0.4	0.5
STH 76 SB	719+10 TO 719+60	LT	18	0.01	0.3	0.4
STH 76 NB	728+86	LT	4	0.002	0.1	0.
STH 76 NB	732+42	LT	2	0.001	0.0	0.
STH 76 NB	736+00	LT	2	0.002	0.0	0.
STH 76 NB	740+44	LT	3	0.002	0.1	0.
STH 76 SB	701+02	LT	3	0.002	0.0	0.
STH 76 SB	713+68	LT	3	0.002	0.1	0.
STH 76 SB	717+76	LT	22	0.014	0.4	0.
STH 76 SB	722+98	LT	3	0.002	0.1	0.
STH 76 SB	728+87	LT	3	0.002	0.1	0.
STH 76 SB	732+53	LT	2	0.001	0.0	0.
STH 76 SB	736+00	LT	7	0.005	0.1	0.
STH 76 SB	737+58	LT	2	0.001	0.0	0.
STH 76 SB	740+47	LT	3	0.002	0.1	0.
	UNDISTRUBTED		27	0.017	0.5	0.0
		τοτλι	136	0.09	2.4	2

ROADWA	<u>/ RT/LT</u>	<u>LENGTH (LF)</u>	<u>REMARKS</u>
STH 76	RT	40 40	SOUTHEAST QUADRANT OF USH 10 STRUCTURE
51170	LI	-0	
	<u>TOTAL</u>	<u>80</u>	

614.2500 MGS THRIE BEAM TRANSITION

614.2610 MGS GUARDRAIL TERMINAL EAT									
ROADWAY	<u>RT/LT</u>	<u>EACH</u>	REMARKS						
STH 76	RT	1	SOUTHEAST QUADRANT OF USH 10 STRUCTURE						
STH 76	LT	1	NORTHWEST QUANDRANT OF USH 10 STRUCTURE						
	<u>TOTAL</u>	<u>2</u>							

PROJECT NO: 6430-22-71	HWY: STH 76	COUNTY: WINNEBAGO		MISCELLANEOUS QUANTITIES		
FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 03		PLOT DATE :	2/26/2024 8:03 AM	PLOT BY :	HEIDEN, BRIAN MATTHE	PLOT NAME :

3

### 614.2300 MGS GUARDRAIL 3

MGS GUARDRAIL 3 ROADWAY RT/LT LENGTH (LF)

<u>REMARKS</u>

### 12.5 SOUTHEAST QUADRANT OF USH 10 STRUCTURE 12.5 NORTHWEST QUADRANT OF USH 10 STRUCTURE

<u>25</u>

TOTAL

REMARKS

PLACE TO DEPTH AND GRADE AS INDICATED IN CROSS SECTIONS

PROJECT WIDE

SHEET

Ε

3

<u>628.200</u>	2 EROSION MAT CLA	<u>SS I TYP</u>	<u>E A</u>		
ROADWAY	<u>STATION</u>	<u>RT/LT</u>	<u>SY</u>		
STH 76 NB	710+25	LT	3	:	S
STH 76 NB	713+68	LT	3		5
STH 76 NB	717+85	LT	24		5
STH 76 SB	719+10 TO 719+60	LT	18		
STH 76 NB	728+86	LT	4		
STH 76 NB	732+42	LT	2		
STH 76 NB	736+00	LT	2		-
STH 76 NB	740+44	LT	3		
STH 76 SB	701+02	LT	3		
STH 76 SB	713+68	LT	3	_	
STH 76 SB	717+76	LT	22		
STH 76 SB	722+98	LT	3		
STH 76 SB	728+87	LT	3		
STH 76 SB	732+53	LT	2		
STH 76 SB	736+00	LT	7		
STH 76 SB	737+58	LT	2		
STH 76 SB	740+47	LT	3		(
	UNDISTRIBUTED		27		
	1	TOTAL	<u>136</u>		F /

	<u>628.1504 SILT</u>	FENCE	
	STATION	<u>rt/lt</u>	<u>LF</u>
S	TA 719+10 - STA 719+60	LT	50
S	TA 718+52 - STA 719+74	RT	125
S	TA 722+02 - STA 723+18	LT	120
	UNDISTRIBUTED		74
		<u>TOTAL</u>	<u>369</u>

628.1520 SILT FENCE N	MAINTENA	<u>NCE</u>
STATION	<u>RT/LT</u>	<u>LF</u>
STA 719+10 - STA 719+60	LT	50
STA 718+52 - STA 719+74 STA 722+02 - STA 723+18	RT LT	125 120
UNDISTRIBUTED		74
	<u>TOTAL</u>	<u>369</u>

		628.1905	628.1910		<u>628.7015 INLET</u>	PROTECTION TYPE C
	r ER	MOBILIZATIONS OSION CONTROL	MOBILIZATIONS EMERGENCY EROSION CONTROL		STATION	<u>RT/LTEACH</u>
STATION	RT/LT	EACH	EACH	REMARKS	STH 76 SB	RT 13
UNDISTRUBTED		6	2	PROJECT WIDE	STH 76 NB	LT 13
					UNDISTRIBUTED	3
	<u>TOTAL</u>	<u>6</u>	<u>2</u>			<u>TOTAL 29</u>

						TRAFFIC	CONTROL										
	*		643.0300		643.0420		643.0705		643.0715		643.0800		643.0900		643.1050	643.5000	
	ESTIMATED DURATION (CALENDER DAYS)	*	TRAFFIC CONTROL DRUMS	*	TRAFFIC CONTROL BARRICADES TYPE III	*	TRAFFIC CONTROL WARNING LIGHTS TYPE A	*	TRAFFIC CONTROL WARNING LIGHTS TYPE C	*	TRAFFIC CONTROL ARROW BOARDS	*	TRAFFIC CONTROL SIGNS	(	TRAFFIC CONTROL SIGNS PCMS	TRAFFIC CONTROL	
OPERATION		EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	REMARKS
PRECONSTRUCTION ADVANCED WARNING	7 40	8 -	56	-	-	-	-	-	-	-	-	- 8	- 320	2	14	-	
SIDE ROADS	40	-	-	-	-	-	-	-	-	-	-	6	240	-	-	-	
STH 76 NB - RIGHT LANE	4	90	360	3	12	4	16	8	32	-	-	8	32	-	-	-	FOR GUARDRAIL WORK
STH 76 SB - RIGHT LANE	4	70	280	3	12	4	16	8	32	-	-	8	32	-	-	-	FOR GUARDRAIL WORK
STH 76 NB - LEFT LANE CLOSURE	5	125	625	3	15	6	30	-	-	-	-	10	50	-	-	-	CURB & GUTTER REPLACEMENT
STH 76 SB - LEFT LANE CLOSURE	5	120	600	3	15	6	30	-	-	-	-	10	50	-	-	-	CURB & GUTTER REPLACEMENT
STH 76 NB	2	95	190	5	10	-	-	-	-	2	4	13	26	-	-	-	SOUTH LIMITS 2 TO 4 LANE TRANSITION
STH 76 NB	2	100	200	9	18	-	-	-	-	2	4	18	36	-	-	-	NORTH LIMITS 2 TO 4 LANE TRANSITION
STH 76 SB	2	100	200	9	18	-	-	-	-	2	4	15	30	-	-	-	SOUTH LIMITS 2 TO 4 LANE TRANSITION
STH 76 SB	2	112	224	4	8	-	-	-	-	2	4	13	26	-	-	-	NORTH LIMITS 2 TO 4 LANE TRANSITION
STH 76 NB - RIGHT LANE CLOSURE	4	130	520	4	16	-	-	-	-	-	-	11	44	-	-	-	MILLING & PAVING
STH 76 NB - LEFT LANE CLOSURE	4	125	500	3	12	-	-	-	-	-	-	10	40	-	-	-	MILLING & PAVING
STH 76 SB - RIGHT LANE CLOSURE	4	115	460	4	16	-	-	-	-	-	-	11	44	-	-	-	MILLING & PAVING
STH 76 SB - LEFT LANE CLOSURE	4	120	480	3	12	-	-	-	-	-	-	10	40	-	-	-	MILLING & PAVING
UNDISTRIBUTED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	TOTAL		<u>4,695</u>		<u>164</u>		<u>92</u>		<u>64</u>		<u>16</u>		<u>1,010</u>		<u>14</u>	<u>1</u>	
THOR INFORMATION ONLY																	

PROJECT NO: 6430-22-71	HWY: STH 76	COUNTY: WINNEBAGO		MISCELLANEOUS	S QUANTITIES	
FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\030201-MQ.DWG		PLOT DATE :	2/26/2024 8:03 AM	PLOT BY :	HEIDEN, BRIAN MATTHE	PLOT NAME :

LAYOUT NAME - 04

3



			MILLED SURFACE	MILLED SURFACE	TOP LOWER LAYER	TOP LOWER LAYER	FINAL SURFACE	FINAL SURFA	CE EDGELINE
			DASHED	SOLID	DASHED	SOLID	DASHED	SOLID LEFT	SOLID RIGHT
			WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	WHITE
<u>ROADWAY</u>	START POINT	TO END POINT	LENGTH (LF)	LENGTH (LF)	LENGTH (LF)	LENGTH (LF)	LENGTH (LF)	LENGTH (LF)	<u>LENGTH (LF)</u>
STH 76	SOUTH PROJECT LIMITS	- TRANSITION FROM 2-LANE TO DIVIDED BEGIN	-	28	-	28	-	35	35
STH 76 SB	TRANSITION FROM 2-LANE TO DIVIDED BEGIN	- BEGIN CURB AND GUTTER MEDIAN	-	950	-	950	-	470	-
STH 76 NB	TRANSITION FROM 2-LANE TO DIVIDED BEGIN	- BEGIN CURB AND GUTTER MEDIAN	-	950	-	950	-	-	470
STH 76 SB	BEGIN CURB AND GUTTER MEDIAN	- TRANSITION FROM 1-LANE TO 2-LANE END	-	-	-	-	-	520	-
STH 76 NB	BEGIN CURB AND GUTTER MEDIAN	- TRANSITION FROM 1-LANE TO 2-LANE END	-	110	-	110	-	-	55
STH 76 NB	TRANSITION FROM 1-LANE TO 2-LANE END	- FAIRVIEW ROAD	200	-	200	-	200	-	740
STH 76 SB	TRANSITION FROM 1-LANE TO 2-LANE END	- FAIRVIEW ROAD	88	-	88	-	88	295	-
STH 76 SB	FAIRVIEW ROAD	- USH 10 EB OFF-RAMP	263	-	263	-	263	935	-
STH 76 NB	FAIRVIEW ROAD	- USH 10 EB ON-RAMP	275	-	275	-	275	-	970
STH 76 SB	USH 10 EB OFF-RAMP	- USH 10 WB ON-RAMP	138	-	138	-	138	530	-
STH 76 NB	USH 10 EB ON-RAMP	- USH 10 WB OFF-RAMP	138	-	138	-	138	-	520
STH 76 SB	USH 10 WB ON-RAMP	- AMERICAN DRIVE	250	-	250	-	250	870	-
STH 76 NB	USH 10 WB OFF-RAMP	- AMERICAN DRIVE	238	-	238	-	238	-	825
STH 76 SB	AMERICAN DRIVE	- TRANSITION FROM 2-LANE TO 1-LANE BEGIN	175	-	175	-	175	610	-
STH 76 NB	AMERICAN DRIVE	- TRANSITION FROM 2-LANE TO 1-LANE BEGIN	63	-	63	-	63	-	175
STH 76 NB	TRANSITION FROM 2-LANE TO 1-LANE BEGIN	- END CURB AND GUTTER MEDIAN	-	-	-	-	-	-	515
STH 76 SB	TRANSITION FROM 2-LANE TO 1-LANE BEGIN	- END CURB AND GUTTER MEDIAN	-	110	-	110	-	55	-
STH 76 SB	END CURB AND GUTTER MEDIAN	- TRANSITION FROM DIVIDED TO 2-LANE END	-	1,275	-	1,275	-	630	-
STH 76 NB	END CURB AND GUTTER MEDIAN	- TRANSITION FROM DIVIDED TO 2-LANE END	-	1,275	-	1,275	-	-	630
STH 76	TRANSITION FROM DIVIDED TO 2-LANE END	- NORTH PROJECT LIMITS	-	28	-	28	-	15	15
FAIRVIEW ROAD	WEST PROJECT LIMITS	- STH 76 SB	-	-	-	-	-	-	-
FAIRVIEW ROAD	STH 76 SB	STH 76 NB	-	-	-	-	-	-	-
FAIRVIEW ROAD	STH 76 NB	- EAST PROJECT LIMITS	-	-	-	-	-	-	-
AMERICAN DRIVE	WEST PROJECT LIMITS	- STH 76 SB	-	-	-	-	-	-	-
AMERICAN DRIVE	STH 76 SB	STH 76 NB	-	-	-	-	-	-	-
AMERICAN DRIVE	STH 76 NB	- EAST PROJECT LIMITS	-	-	-	-	-	-	-
			1 0 2 5	4 700	1 025	4 700	1.025	4.005	4.050
			1,825	4,726	1,825	4,726	1,825	4,965	4,950
						/4.84/			

MISCELLANEOUS QUANTITIES

3

	<u>646.2</u>	2040 N	1ARKING LINE GROOVED WET REF EPOXY 6-INCH			
					EDG	ELINE
				DASHED	SOLID LEFT	SOLID RIGHT
				WHITE	WHITE	WHITE
ROADWAY	START POINT	<u>T0</u>	END POINT	<u>LENGTH (LF)</u>	<u>LENGTH (LF)</u>	<u>LENGTH (LF)</u>
STH 76	SOUTH PROJECT LIMITS	_	TRANSITION FROM 2-LANE TO DIVIDED REGIN	_	35	35
STH 76 SB	TRANSITION FROM 2-LANE TO DIVIDED BEGIN	_	BEGIN CURB AND GUTTER MEDIAN	_	470	-
STH 76 NB	TRANSITION FROM 2-LANE TO DIVIDED BEGIN	_	BEGIN CURB AND GUTTER MEDIAN	_	-	470
STH 76 SB	BEGIN CURB AND GUTTER MEDIAN	_	TRANSITION FROM 1-LANE TO 2-LANE END	_	520	-
STH 76 NB	BEGIN CURB AND GUTTER MEDIAN	_	TRANSITION FROM 1-LANE TO 2-LANE END	_	-	55
STH 76 NB	TRANSITION FROM 1-LANE TO 2-LANE FND	_	FAIRVIEW ROAD	200	_	740
STH 76 SB	TRANSITION FROM 1-LANE TO 2-LANE END	_	FAIRVIEW ROAD	88	295	-
STH 76 SB	FAIRVIEW ROAD	_		263	935	_
STH 76 NB	FAIRVIEW ROAD	_	USH 10 FB ON-RAMP	275	-	970
STH 76 SB		-	USH 10 WB ON-BAMP	138	530	-
STH 76 NB	USH 10 FB ON-RAMP	-	USH 10 WB OFF-RAMP	138	-	520
STH 76 SB	USH 10 WB ON-RAMP	-	AMERICAN DRIVE	250	870	
STH 76 NB	USH 10 WB OFF-RAMP	_	AMERICAN DRIVE	238	-	825
STH 76 SB	AMERICAN DRIVE	-	TRANSITION FROM 2-LANE TO 1-LANE BEGIN	175	610	
STH 76 NB	AMERICAN DRIVE	_	TRANSITION FROM 2-LANE TO 1-LANE BEGIN	63	-	175
STH 76 NB	TRANSITION FROM 2-LANE TO 1-LANE BEGIN	-	END CURB AND GUTTER MEDIAN	-	_	515
STH 76 SB	TRANSITION FROM 2-LANE TO 1-LANE BEGIN	-	END CURB AND GUTTER MEDIAN	_	55	_
STH 76 SB	END CURB AND GUTTER MEDIAN	-	TRANSITION FROM DIVIDED TO 2-LANE END	-	630	_
STH 76 NB	END CURB AND GUTTER MEDIAN	-	TRANSITION FROM DIVIDED TO 2-LANE END	-	_	630
STH 76	TRANSITION FROM DIVIDED TO 2-LANE END	-	NORTH PROJECT LIMITS	-	15	15
FAIRVIEW ROAD	WEST PROJECT LIMITS	-	STH 76 SB	-	-	-
FAIRVIEW ROAD	STH 76 SB		STH 76 NB	-	-	-
FAIRVIEW ROAD	STH 76 NB	-	EAST PROJECT LIMITS	-	_	-
AMERICAN DRIVE	WEST PROJECT LIMITS	-	STH 76 SB	-	-	-
AMERICAN DRIVE	STH 76 SB		STH 76 NB	-	_	-
AMERICAN DRIVE	STH 76 NB	-	EAST PROJECT LIMITS	-	-	-
				1,825	4,965	4,950
			- TOTAI	,	11,740	,
			<u>-101/12</u>		,	

STH 76 SB	694+10	-	698+80	940	10	-
STH 76 NB	694+10	-	698+80	940	10	-
STH 76 NB	698+80	-	699+35	110	-	-
STH 76 SB	723+55	-	723+55	-	10	-
STH 76 SB	740+00	-	740+55	110	-	-
STH 76 SB	740+55	-	746+85	1,260	15	-
STH 76 NB	740+55	-	746+85	1,260	15	-
STH 76	746+85	-	747+00	-	15	12.5
FAIRVIEW ROAD	WEST PROJECT LIMITS	-	STH 76 SB	100	-	-
FAIRVIEW ROAD	STH 76 NB	-	EAST PROJECT LIMITS	100	-	-
AMERICAN DRIVE	WEST PROJECT LIMITS	-	STH 76 SB	100	-	-
AMERICAN DRIVE	STH 76 NB	-	EAST PROJECT LIMITS	100	-	-
						TOTAL

646.2020 MARKING LINE EPOXY 6-INCH

<u>STATION</u>

694+10

<u>T0</u>

-

YELLO W

SINGLE

LENGTH (LF) LENGTH (LF) LENGTH (LF)

15

DASHED

12.5

TOTAL

<u>LENGTH (LF)</u>

28

<u>5,135</u>

DOUBLE

-

PROJECT NO: 6430-22-71	HWY: STH 76	COUNTY:	WINNEBAGO		MISCELLANEOU	IS QUANTITIES	
FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\030201-MQ.DWG			PLOT DATE :	2/26/2024 8:03 AM	PLOT BY :	HEIDEN, BRIAN MATTHE	PLOT NAME :

,	3	

<u>ROADWAY</u>

STH 76

<u>STATION</u>

693+95

PLOT SCALE : 1" = 1'

3

	<u>646.4</u>	1040	MARKING	J LINE GROOV	ED WET REF EPOXY 10-INCH
				WHITE	
<u>ROADWAY</u>	<u>STATION</u>	<u>T0</u>	<u>STATION</u>	<u>LENGTH (LF)</u>	<u>REMARKS</u>
STH 76 NR	704+70		706+00	410	
STH 76 SB	708+12	_	710+29	410	LEFT AND RIGH TURN LANE CHANNELIZATION
STH 76 NB	715+74	-	717+74	300	RIGHT TURN LANE CHANNELIZATION
STH 76 SB	718+65	-	720+65	200	LEFT TURN LANE CHANNELIZATION
STH 76 NB	720+07	-	723+07	300	LEFT TURN LANE CHANNELIZATION
STH 76 NB	730+43	-	732+63	420	LEFT AND RIGH TURN LANE CHANNELIZATION
STH 76 SB	733+93	-	735+93	400	LEFT AND RIGH TURN LANE CHANNELIZATION
FAIRVIEW ROAD	707+60	-	-	35	RIGHT TURN LANE CHANNELIZATION

<u>TOTAL</u> 2,485

	PHALT	WING ASF	<u>690.0150 SA</u>	
<u>REMARK</u>	<u>LF</u>	<u>RT/LT</u>	<u>STATION</u>	<u>ROADWAY</u>
	17	LT	710+25	STH 76 NB
	17	LT	713+68	STH 76 NB
	114	LT	717+85	STH 76 NB
	26	RT	722+30	STH 76 NB
	13	LT	722+98	STH 76 NB
	20	LT	728+86	STH 76 NB
	14	LT	732+42	STH 76 NB
	15	LT	736+00	STH 76 NB
	19	LT	740+44	STH 76 NB
	16	LT	701+02	STH 76 SB
	19	LT	713+68	STH 76 SB
	104	LT	717+76	STH 76 SB
	27	LT	722+29	STH 76 SB
	17	LT	722+98	STH 76 SB
	19	LT	728+87	STH 76 SB
	12	LT	732+53	STH 76 SB
	37	LT	736+00	STH 76 SB
	12	LT	737+58	STH 76 SB
	19	LT	740+47	STH 76 SB
	<u>537</u>	<u>TOTAL</u>		

		<u>64</u>	6.7120 M	ARKING DIA	GONAL EPOXY	<u>12-INCH</u>
<u>STAT</u>	<u>ION</u>	<u>T0</u>	<u>STATION</u>	ROADWAY	<u>LENGTH (LF)</u>	REMARKS
694+ 741+	+00 +05	-	699+30 746+80	STH 76 STH 76	320 400	LANE TRANSITION MEDIAN LANE TRANSITION MEDIAN
				<u>TOTAL</u>	<u>720</u>	

		<u>SPV.0060</u>	.01 CLEA	NING STORM SEWER OUTFALL
	<u>STATION</u>	<u>OFFSET</u>	<u>EACH</u>	<u>REMARKS</u>
	698+77 LT	52.8'	1	CLEAN OUT STORM SEWER ENDWALL
	706+40 LT	88.9'	1	CLEAN OUT STORM SEWER ENDWALL
	706+40 RT	57.0'	1	CLEAN OUT STORM SEWER ENDWALL
	710+25 RT	75.7'	1	CLEAN OUT STORM SEWER ENDWALL
	713+70 RT	98.6'	1	CLEAN OUT STORM SEWER ENDWALL
	717+20 RT	96.0'	1	CLEAN OUT STORM SEWER ENDWALL
	719+03 RT	67.9'	1	CLEAN OUT STORM SEWER ENDWALL
	722+98 RT	70.1'	1	CLEAN OUT STORM SEWER ENDWALL
	728+85 RT	95.1'	1	CLEAN OUT STORM SEWER ENDWALL
	732+32 RT	63.4'	1	CLEAN OUT STORM SEWER ENDWALL
	735+98 RT	61.8'	1	CLEAN OUT STORM SEWER ENDWALL
	740+44 RT	47.0'	1	CLEAN OUT STORM SEWER ENDWALL
		TOTAL	<u>12</u>	

PROJECT NO: 6430-22-71	HWY: STH 76	COUNTY: WINNEBAGO		MISCELLANEOUS	S QUANTITIES	
FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\030201-MQ.DWG		PLOT DATE :	2/26/2024 8:03 AM	PLOT BY :	HEIDEN, BRIAN MATTHE	PLOT NAME :

3

LAYOUT NAME - 07

<u>ROADWAY</u>	<u>STATION</u>	<u>RT/LT</u>	<u>LF</u>	<u>REMARKS</u>
STH 76 NB	710+25	LT	5	
STH 76 NB	713+68	LT	5	
STH 76 NB	717+85	LT	5	
STH 76 NB	722+98	LT	5	
STH 76 NB	728+86	LT	5	
STH 76 NB	732+42	LT	5	
STH 76 NB	736+00	LT	5	
STH 76 NB	740+44	LT	5	
STH 76 SB	701+02	LT	5	
STH 76 SB	713+68	LT	5	
STH 76 SB	717+76	LT	5	
STH 76 SB	722+98	LT	5	
STH 76 SB	728+87	LT	5	
STH 76 SB	732+53	LT	5	
STH 76 SB	736+00	LT	5	
STH 76 SB	737+58	LT	5	
STH 76 SB	740+47	LT	5	
	Ţ	OTAL	<u>85</u>	

690.0250 SAWING CONCRETE

### 646 4040 MARKING LINE GROOVED WET REE EPOXY 10-INCH

			650.8000	
			CONSTRUCTION	
			STAKING	
			RESURFACING	
			REFERENCE	
			16	
<u>T0</u>	<b>STATION</b>			
-	707+00		1,305	
-	718+00		1,100	
-	724+00		600	
-	733+00		900	
-	747+00		1,400	
		<u>TOTAL</u>	<u>5305</u>	

STATION 693+95 707+00 718+00 724+00 733+00

SPV.0060.02 ADJUSTING INLET COVERS AND						
	<u>REPLACIN</u>	<u>IG RING</u>	<u>s</u>			
<u>ROADWAY</u>	<u>STATION</u>	<u>RT/LT</u>	<u>EACH</u>	REMARKS		
STH 76 NB	713+68	LT	1			
STH 76 NB	717+85	LT	1			
STH 76 NB	722+31	RT	1			
STH 76 NB	722+98	LT	1			
STH 76 NB	728+86	LT	1			
STH 76 NB	732+42	LT	1			
STH 76 NB	736+00	LT	1			
STH 76 NB	740+44	LT	1			
STH 76 SB	701+02	LT	1			
STH 76 SB	713+68	LT	1			
STH 76 SB	717+76	LT	1			
STH 76 SB	722+29	LT	1			
STH 76 SB	722+98	LT	1			
STH 76 SB	728+87	LT	1			
STH 76 SB	732+53	LT	1			
STH 76 SB	736+00	LT	1			
STH 76 SB	740+47	LT	1			
		TOTAL	<u>17</u>			

3

SHEET






FILE NAME : N:\PDS\C3D\64302200\SHEETSPLAN\050201-PN.DWG LAYOUT NAME - 050203-pn PLOT DATE : 10/17/2023 4:52 PM PLOT BY : CA

PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :



WISDOT/CADDS SHEET 44

# Standard Detail Drawing List

08A05-20C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
13c19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14в42-07в	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14в45-05в	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14в45-05н	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14в45-05к	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UND
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15С08-23В	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15С11-10в	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15С12-09в	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D12-11A	TRAFFIC CONTROL, LANE CLOSURE
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

UNDIVIDED ROAD OPEN TO TRAFFIC



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.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.











S

Ë

08D01-23b

 $\boldsymbol{\omega}$ Õ S



S.D.D. 8 E 9

Ō

### **GENERAL NOTES**

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

- $\bigcirc$  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)





O











Ö

N

4

à

4

~

۵

SD



**SDD 14B42** 0 ð

DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS

POST BOLTS ARE A %" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND %" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS

GUARD RAIL SPLICE BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES 5%" DIAMETER A563A DOUBLE



SECTION THRU W-BEAM RAIL

# 07b . N 4 à 4 ~ SDD

6

### **MIDWEST GUARDRAIL SYSTEM** (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



**SDD 14B42** . 0 **n** 



**SDD 14B42** 07d

### **GENERAL NOTES**

- (A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.
- (B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED
- © DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.
- D ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.
- E HARDWARE MAY VARY BETWEEN MANUFACTURER SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

SEE SDD 14B42 FOR MORE INFORMATION.

★ DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

THE CENTER OF THE UPPER 3  $2 \hspace{-0.5mm}/ 2^{\! \prime \prime}$  DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.





10 31 -(15) SHOULDER HINGE POINT SLOPE 10:1-OR FLATTER

POST BOLT

(TYP.)

MGS BEAM

GUARD (MGS)







SECTION C - C **TYPICAL AT POST NOS. 3 - 9** 

SECTION B - B TYPICAL AT POST NO. 2\*



SDD 14B44 - 04b

6

# BILL OF MATERIALS

N SEE	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. MANUGACTURER'S DETAILS FOR MORE INFORMATION.
UPPEI	R POST NO. 1 6" X 6" TUBE
LOWE	R POST NO. 1
WOOD	DCRT
WOOD	DBLOCKOUT
PIPE S	SLEEVE
BEAR	ING PLATE
BCT C	CABLE ASSEMBLY
ANCH	IOR CABLE BOX
GROU	IND STRUT
PERF	ORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
STANI SECTI	DARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. ONS VARY IN LENGTH.
IMPAC	CT HEAD
EAT M (SEE A	IARKER POST - YELLOW APPROVED PRODUCTS LIST)
SOIL F	PLATE
UPPE	R POST NO. 2
LOWE	R POST NO. 2

6

# SDD14B44 - 04b

# MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



SDD 14B44 - 04c





S D D

14

Β

4



S

6

45-5c ш 14 Δ Δ

S

### MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



D D 14 Β 4 S сī Q

S

S
DETAILS.ADJUST THE POSTION OF CONNECTIONS TO TUAL BRIDGE AND SITE DIMENSIONS.
DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
• ± 1".
HE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING Fal to the contract.
A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A D BARRIER AND THRIE BEAM CONNECTION PLATE.CONTRACTOR IS TO FIELD AD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE IER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER.REPAIR ANY INSTALLATION.
NECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, D TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 $1/_2$ ".
HE BEAM MINAL NECTOR HEAD HER ?, ) FIC SIDE OF BARRIER

MIDWEST GUARDRAIL SYSTEM Thrie beam transition (MGS)	45-5d
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	14 B
APPROVED 07/2018 /S/ Rodney Taylor DATE ROADWAY STANDARDS DEVELOPMENT HWA UNIT SUPERVISOR	S_D_D_

### **GENERAL NOTES**

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

- (2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
- (4) TOLERANCE FOR TOP OF BEAM IS ± 1".
- (6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.
- (7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THREE BEAM CONNECTOR PLATE, BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.
- (8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".
- (9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.







S

D

D

14

Β

4

сл

сī



S Ū D 14

ω

4 5

ភ

ũ

6

MID W Thrie	EST GUARDRAIL SYSTEM Beam transition (MGS)
DEPAR	STATE OF WISCONSIN TMENT OF TRANSPORTATION
APPROVED 07/2018	/S/ Rodney Taylor
DATE	ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

-5g Ś 4 ш 4 Δ Δ

S



S D Ū 4 ω 4 5 5h

WELDING INSTRUCTION (VIEWED FROM BACK SIDE OF PLATE)

> S11 1  $c rac{2}{3} 8^{1}/2'' \times 8^{3}/4'' \times 1^{13}/16'' 1/4''$ SINGLE SLOPE CONNECTION PLATE

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)						
PLATE	QUANTITY	SHAPE	SIZE (A × B × C × D)	THICKNESS		
P1	1	в	20" × 20"	3/16''		
P2	1	Br∕c	20" × 20" × 28%6"	3∕16''		
P3	1	B C D	39" × 35⁄8" × 20" × 195⁄16"	3⁄16''		
S1	4	B	187/16" × 35/8" × 183/4"	1/4"		
S2	1	B D	$10^{1}/_{4}$ " × $2^{7}/_{16}$ " × $10^{3}/_{8}$ " × $1/_{2}$ "	1⁄4"		
S3	1	B₽₽D	$3'' \times 1'_{16}'' \times 3'_{8}'' \times 1'_{2}''$	1⁄4"		
S4	1	в	6¼8" × 2Ҋ6"	1⁄4"		
S5	1	в	6 <sup>1</sup> /8" × 1 <sup>1</sup> /16"	1/4"		
S6	1	в 📥	7∛4" × 1¾"	1⁄4"		
S <b>7</b>	1	₽₽C	2%6"×6"×35%"×57%"	1/4"		
S8	1	₽₽C	$1^{5}/_{32}$ " × $7^{1}/_{2}$ " × $2^{1}/_{2}$ " × $7^{3}/_{8}$ "	1⁄4"		
S9	1	C B	6 <sup>1</sup> / <sub>16</sub> " × 6 <sup>3</sup> / <sub>16</sub> " × 1 <sup>3</sup> / <sub>32</sub> "	1/4"		
S10	1	A₽C	$1\frac{7}{8}$ " × $9\frac{7}{8}$ " × $3\frac{5}{8}$ " × $9^{11}/_{16}$ "	1/4"		
C 11	1	A		17.0		

/ TYPICAL

(11)

(P3)-

(S2

(P2)

(\$3)



(VIEWED FROM BACK SIDE OF PLATE)

-(P1)

(S6)

(S1)

้รร`

(S1)

(s7

(58

้รา





.

14

ω

4

Ġл

S

### **GENERAL NOTES** COVER PLATE PANELS ARE $\frac{3}{16}$ " THICK. ALL STIFFENERS ARE 1/4" THICK. CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED. FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS. ALL HOLE DIAMETERS SHALL BE 1". FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS: SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND  $\frac{3}{16}$ " FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:  $3\!\!/_6$  "Fillet weld by 1" long spaced at 2".



### MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVED /S/ Rodney Taylor 7/2018 DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR FHWA S

2 45 ш 14 Δ Δ



- (2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
  - DAMAGED CONCRETE FROM BOLT INSTALLATION.





D D 14 ω ы 5

S

6









CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THREE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY



**GENERAL NOTES** 

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(2) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND <sup>1</sup>/<sub>2</sub>-INCH BEYOND NUT.

# ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



# ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

6

6

5 k

45-

ш

14

Δ

Δ

S

### MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 7/2018 DATE

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

DATE FHWA R



S D D 14 Β 4

С

-5 L

6

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THREE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD

### MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 7/2018 DATE

FHWA

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

S 45ш 14 Δ Δ

S



SDD

**15C04** 

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

- 2" MIN. 2

NOTE: TYPICALLY LEFT OF CENTER

LINE IN THE -

OF TRAFFIC

JOINT LINE

\*6" EDGE LINE (WHITE) -

DIRECTION

 $\Box$ 

 $\Box$ 

### (1) Lo (2) M S

• •



**TWO WAY TRAFFIC** 

ONE WAY TRAFFIC

BLACK LAG

MARKING

SHOULDER

6" EDGE LINE (YELLOW) -

2" MIN. 2

SHOULDER

2

3" 🗐

**PERMANENT PAVEMENT MARKING** 

T

50'

LANE LINE

– MARKING

(WHITE)

SDD 15C08-23a

6

### **GENERAL NOTES**

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

### LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

**3a** 

C08-2

Ň

ς.

SD

# PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Jeannie Silver STATEWIDE SIGNING AND MARKING ENGINEER



SDD 15C08-23b





2 10" WHITE

(3) TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

MAJOR CROSS STREET

ARROW, TYPE 2 \_\_\_\_\_ \_\_\_\_\_  $\sim$  6" double yellow \* - EDGE LINE (YELLOW) (WHITE) -----3 LANE LINES (YELLOW) ▲ 6" DOUBLE YELLOW 20'-50' MAX. 16' 20' - LANE LINE (WHITE) \_\_\_\_ - EDGE LINE (WHITE) MINOR CROSS STREET

TWO WAY LEFT TURN LANE

- SURFACED SHOULDER

MINOR CROSS STREET

 $\triangleleft$ 

 $\leq \square$ 

 $\Box$ 

 $\Box$ 

MAJOR CROSS STREET

(2)

# **GENERAL NOTES**

(1) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.



# **PAVEMENT MARKING** (TURN LANES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



= LENGTH OF TURN BAY

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES





15C08-23d ۵ SD

# **PAVEMENT MARKING** (TURN LANES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

### **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.

Ω **5** . ~ ~ 0 Ň ~ 

ົ

# **CHANNELIZING DEVICES DRUMS, CONES, BARRICADES** AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED November 2022 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER






SDD 15C18-08a

### **GENERAL NOTES**

1 DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'

6

15C18-08a

SDD

### **MEDIAN ISLAND PAVEMENT MARKINGS**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER



SDD 15C35-06a

6

## 15C35-06a ۵ SD

### **PAVEMENT MARKING** (INTERSECTIONS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

### **GENERAL NOTES**

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

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

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

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

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

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

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

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

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

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

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS

NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF \$00 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

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

15012

.

-

Q







### **GENERAL NOTES**

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER, NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS

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

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

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

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

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

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

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION)



WORK AREA  $\Box$ 

### 5 0 . ~ N 20 ~ ۵

ົ

### **TRAFFIC CONTROL**, INTERSECTION WITHIN SINGLE **RIGHT LANE CLOSURE**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

### **GENERAL NOTES**

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS

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

ENGINEER.

OR REMOVED AS DIRECTED BY THE ENGINEER.

INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

- (1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.
- (2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

### LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

F



SDD **15D44** 02



PROJECT NO:	HWY:	COUNTY:			
			DU OT DUTE V AT NUM ODOO AVA	DI OT DY I IO	DLOT NAME -

### 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.

)	
	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>A4-3.22</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

7

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 - <sup>3</sup>/<sub>8</sub>" 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	
		MOD	IF	FICA	TI	SNC	
	WISC	onsin l	DEF	PT OF T	RANSI	PORTATION	'
	APPROVE	D		hester .	Γέ	Spang	
			tor	State Tr	affic Er	ngineer	
	DATE 3	/27/9	<u>17</u>	PLA	TE NO	<u>A4-11.2</u>	2
			9	SHEET	N0:		Ε
OT SCALE	E:6.20 <b>7</b> 33	8:1.0000	000	WISD	от/с	ADDS SHEE	т 42

					С																	<b>—</b>				1. Sid	n is	Ту
						E - D —																				WI an 2. Co 3. Co as co 4. Bo ciu	S DO d STF lor: Backg Messo rners rder rcle n	
7											<u> </u>										))) 	¥						<b>~</b>
							<b></b>							. а _ R3-2							<b>→</b>						<u> </u>	<u>.RR</u>
	SIZE	A	В	с	D	E	F	G	н	I	J	к	L	M	N	0	P	0	R	S	Т	U	v	Ŵ	x	Y	Z	Ar sq.
	1	24		1 1/8	<sup>3</sup> / <sub>8</sub>	<u> /2</u>	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	<u> //2</u>											4.
	23 2M	24 36		1 1/8	- 1/8 - 5/4	'/2   3∕⊿	10 1/2	4	11 1/2	2 3	1 ½ 2 ¼	$\frac{2}{3}\frac{1}{2}$	45°	8 1/2 12 3/	5 7 1/2	9	<u>'⁄2</u> 3⁄₄	+										4.   9
	3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/	1 7 1/2	9	3/4	1										9.
	4	36		1 5/8	5⁄8	3⁄4	15 3⁄4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3⁄2	1 7 1/2	9	3⁄4											9.
	5	48		2 1/4	3⁄4	1	21	8	15	4	3	5	45°	17	10	12	1											16.
Ī	PR0	JECT	NO:						HWY:					(	COUNT	Y:												
	FILE NA	ME : C:	\Users\F	PROJECTS	tr_stdp]	Late\R32	.DGN										PL	OT DATE	: 08-DEC	-2010 14	:41	PLOT	BY : dots	sja		PLOT NAM	4E :	

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R32.DGN

PLOT DATE : 08-DEC-2010 14:41

PLOT NAME :

### NOTES

ype II - Type H Reflective - reference Standard Specification for HIGHWAY TURE CONSTRUCTION latest edition.

ound - White - See note 4 may be square or rounded when base s plywood but borders shall be rounded When base material is metal, the and borders shall be rounded. Arrow are non reflective black, the h diagonal bar is reflective red.





COUNTY:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R320R.DGN

PROJECT NO:

HWY:

PLOT DATE : 15-0CT-2010 14:59 PLOT BY : dotsja PLOT NAME :

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

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

Z	Area sq. ft.	S1	ANDAF	RD SIC	GN	
	6.0		R3	-20R		
	6.0	WISCONS	SIN DEPT O	F TRANSPO	RTATION	,
	13.5	APPROVED	Math	the R	Rai	ul
			Forsta	te Traffic Engine	eer	<u>~~</u> ,
		DATE 10/1	8/10	PLATE NO	R3-20	<u>R.</u> 6
			SHEET	NO:		Ε

SII						-		1	17 //	13 1/2	19	14	15	13	15 5/8												⊢
	ZE A	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Ρ	Q	R	S	Т	U	V	W	X	Y	Z	
7													-0		R11	- 2 T		_0_			]					] _ N	 _ _
									— A R11	- 2							♪	<b>↓</b>						-		\	_

## G Ā $D \rightarrow \checkmark$ F E → V ≻≺ ΗВ A

С-

- 2. Color:
- 3. Message Series D



	For sta	ite Traffic Engir	heer	
DATE <u>3/</u>	29/2021	PLATE NO.	<u>R11-2.1</u>	<u>1</u>
	SHEET	NO:		Ε

ſ															Ņ	<b>x</b>													
																									*			• Sign WIS and • Color Me • Corr mate as s corr • W01-4 reve	is T DOT STRU ssag ers bers bbL is rsed
7																	X	ED									$\left  \right $		
															W01	1 - 4bF	/ — c										<u>←</u> N →	► P	 
	SIZE	A 70	В	C	D 5/	E 3/	F	G	H	I	J	K	L	4 10	M 5 7/	N	0	P		0	R 7/	S 24	T	U	v	W	X	Y	Z
	1 2S	<u>з</u> б 48		1 7/8 2 1/4	-78 3∕₄	74		17 3	a 5	11	10 72	2 4 78 6 1/я	93	78 12 4 17	- 78 7 1/8	5 1/8 5 1/4	10 1/2	2 %	4 2	74 3 1	78 1/4	24 32							
	2M	48		2 1/4	3⁄4	1		17 3	4 5	11	14	6 1/8	93	4 17	7 1/8	5 1/4	10 1/2	2 3 5/	8	3 1	1/4	32							
	3	48		2 1/4	3/4 3/	1		17 3	4 5	11	14	6 1/8	93	4 17	7 1/8	5 1/4	10 1/2	2 3 5/	83	3 1	1/4	32							
	4	48 48		2 1/4 2 1/4	74 3∕⊿	1		11 ¥	4 5 4 5	11	14	6 1/8	93	17 17 17	' '/8 7 '/6	5 1/4	10 1/2	2 5 %	8 -	$\begin{array}{c c} & 1 \\ 3 & 1 \end{array}$	'/4 1/4	32 32							
┢			NO•	- /4	/4	•	1	<u> </u>		1 **	1 • '	0 / 8	1 . /				··· · · · · · · · · · · · · · · · · ·		<u> </u>	-   <b>*</b>	/ 4								1
l	FILE NAM	ME:C:	NU:	s\Projec	ts\tr_st	dplate\W	1014B.DGN	N	1 11 1								•	P	LOT DA	TE : 28	8-FEB-20	)14 11:3	6	PLOT B	Y: msci	9h		PLOT NAM	Е:

PLOT DATE : 28-FEB-2014 11:36

### NOTES

ype II - Type F Reflective - reference Standard Specification for HIGHWAY CTURE CONSTRUCTION latest edition.

ound - Orange e - Black

may be square or rounded when base is plywood but borders shall be rounded . When base material is metal, the and borders shall be rounded. s the same as W014-bR exept arrows are

along the vertical centerline







SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	M	N	0	P	0	R	S	Т	U	v	W	X	۲
1																									
2S	48	24	1 3/8	1/2	5⁄8		12	13 1⁄4	1	7 1/2	6 <sup>1</sup> /2	3 1/4	19 1⁄2	39											
2M	48	24	1 3/8	1/2	5%		12	13 1⁄4	1	7 1/2	6 ½	3 1/4	19 1/2	39											
3	60	30	1 3/8	1/2	5%		15	16 1⁄4	1 1/4	9 1/4	8	4	24 3/8	48 3⁄4											1
4	60	30	1 3/8	1/2	5⁄8		15	16 1⁄4	1 1/4	9 1/4	8	4	24 3/8	48 ¾											1
5	60	30	1 3/8	1/2	5⁄8		15	16 1⁄4	1 1/4	9 1/4	8	4	24 3/8	48 3⁄4											
PRC	PROJECT NO: HWY:							COUN	ITY:																
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN										F	PLOT DATI	E : 28-FE	B-2014 11	:37	PLOT I	BY : msc	j9h	F	LOT NAME	. :					

- 2. Color:
  - Message Black

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W016.DGN

PLOT BY : mscj9h

### NOTES

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

Background - Orange

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.

Z	Areg sq. ft.	STANDARD SIGN
	8.0	WO1-6
	8.0	WISCONSIN DEPT OF TRANSPORTATION
	12.5	APPROVED Matthew & Round
	12.5	For State Traffic Engineer
	12.5	DATE <u>11/18/13</u> PLATE NO. <u>WO1-6.1</u>
		SHEET NO: E



FILE NAME · C·\CAEfiles\Projects\tr\_stdplate\W0121D DCN

7

PLOT BY . \$\$ DIOTUSER \$\$ PLOT NAME :



### NOTES

- 1.Sign is Type II WIS DOT Standard and STRUCTURE COI
- 2. Color:
  - Background Or Message - Black
- 3. Message Series -
- 4. Corners may be s material is plywoo as shown. When b corners and bord
- 5. Substitute approp about centerline
- 6. Line 1 is Series D Line 2 is Series E

7

SIZE	A	В	С	D	E	F	G	н	I	J	к	L	М	N	0	Р	0	R	S	Т	U	v	W	X	Y	· · ·
1	24		1 1/8	3⁄8	1/2	10	4	4	2 3⁄4	3 1/4	7 1/8															
2S	36		1 5/8	5⁄8	3⁄4	16	6	5 1/2	4	4 1/2	10 5/8															
2M	36		1 5/8	5⁄8	3⁄4	16	6	5 1/2	4	4 1/2	10 5/8															
3	36		1 5/8	5⁄8	3⁄4	16	6	5 1/2	4	4 1/2	10 5/8															
4	36		1 5/8	5⁄8	3⁄4	16	6	5 1/2	4	4 1/2	10 5/8															
5	36		1 5/8	5⁄8	3⁄4	16	6	5 1/2	4	4 1/2	10 5/8															
PROJE	OJECT NO: HWY:							COU	NTY:																	
ILE NAME	NAME : C:\CAEFiles\Projects\tr_stdplate\W0131.DGN										PLOT [	DATE : 02	-DEC-201	3 13 <b>:</b> 55	P	LOT BY :	mscsja		PLC	DT NAME :						

5				
- Type F Ref I Specificatio NSTRUCTION I	lective - on for Hi atest ed	reference IGHWAY Nition.		
range k See Note 6 square or ro od but borde ase material lers shall be priate numer to achieve p	unded wh is metal rounded, als and c proper bo	en base be rounded , the optically space alance.	2	
-				
				7
Areo sq. ft.	STAN	NDARD SIGN		
4.00		WO13-1		
9.00	WISCONSIN L	DEPT OF TRANSPORTATIO	N	
9.00	APPROVED 1	Matthe P P I		
9.00	;	$F_{or}$ State Traffic Engineer		
9.00	DATE <u>11/21/13</u>	PLATE NO. WO13-	1.1	
		SHEET NO:	E	

WISDOT/CADDS SHEET 42







PLOT DATE : 10/18/2023 8:21 AM





# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

