

ORDER OF SHEETS

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

Section No. 9 Cross Sections

TOTAL SHEETS = 134

D.H.V. D.D.

AADT 2023 -A.A.D.T. 2043 Τ. = 12% DESIGN SPEED ESALS

DESIGN DESIGNATION



PROFILE

GRADE LINE

SPECIAL DITCH

UTILITIES

ELECTRIC

GAS

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

STORM SEWER

TELEPHONE

WATER

GRADE ELEVATION

CULVERT (Profile View)

ORIGINAL GROUND

MARSH OR ROCK PROFILE

LABEL

0

(To be noted as such)



MARSH AREA

WOODED OR SHRUB AREA

# STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

# **PLAINFIELD - WISCONSIN RAPIDS**

**STH 13 TO CHURCH AVENUE** 

**STH 73** WOOD

STATE PROJECT NUMBER 6320-00-73



PLOT DATE : 10/26/2021 9:53 AM PLOT BY :

SCHLEICHER, BRYCE B PLOT NAME

COUNTY: WOOD

	FEDERAL PROJECT					
STATE PROJECT	PROJECT	CONTRACT				
6320-00-73	WISC 2021446	1				

## STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY

Surveyor Designer Project Manage Regional Examiner Regional Supervisor

NC REGION BRYCE SCHLEICHER DAN HOLLOWAY CHERYL SIMON NICHOLE LYSNE

APPROVED FOR THE DEPARTMENT

DATE:



(Signa

#### **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 PROJECT AREA THAT ARE NOT SHOWN.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT THAT ARE NOT SHOWN ON THE PLANS.

#### UTILITIES

#### ALLIANT ENERGY - ELECTRICITY

MICHAEL PEETERS (PRIMARY CONTACT) 2710 JEFFERSON STREET WISCONSIN RAPIDS, WI 54495 PHONE: (715) 424-7039 WORK (715) 459-1581 CELL E-MAIL: michaelpeeters@alliantenergy.com

#### DOMTAR - WATER

JAMES HORMAN (PRIMARY CONTACT) **301 POINT BASSE AVE** NEKOOSA, WI 54457 PHONE: (715) 886-7384 WORK E-MAIL: james.horman@domtar.com

#### SOLARUS - COMMUNICATION LINE

DENNIS PIERCE (PRIMARY CONTACT) 440 E GRAND AVE WISCONSIN RAPIDS, WI 54494 PHONE: (715) 421-8172 WORK (715) 572-0152 CELL E-MAIL: pierce@solarus.net

RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
			А	ВСС			D					
	SLOP	e range	(PERCENT)	SI	SLOPE RANGE (PERCENT) SLOPE F		DPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)		(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	. <b>16</b> .73 .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:				<b>I</b>					•	1		•
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585						
ROOFS	.:00FS .:7595											
GRAVEL ROADS, SH	IOULDERS					.4060						

PHONE: (715) 572-3614 WORK E-MAIL: rschmidt@nekoosawi.com

MUNICIPAL

**RICK SCHMIDT** 951 MARKET ST NEKOOSA, WI 54457 PHONE: (715) 572-3614 WORK E-MAIL: rschmidt@nekoosawi.com

#### DNR

**NEKOOSA MUNICIPAL - WATER** 

**RICK SCHMIDT** 

951 MARKET ST

NEKOOSA, WI 54457

**BRAD BETTHAUSER 473 GRIFFITH AVENUE** WISCONSIN RAPIDS, WI 54494 PHONE: (715) 213-9064 MOBILE E-MAIL: bradley.betthauser@wisconsin.gov

TOTAL PROJECT AREA = 13.73 ACRES

2

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.4 ACRES

PROJECT NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD		GENERAL NOTES	GENERAL NOTES		
FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\020101-GN.DWG		PLO <sup>-</sup>	DT DATE : 10/26/2021 9:53	M PLOT BY :	SCHLEICHER, BRYCE B	PLOT NAME :	

LAYOUT NAME - 01

#### DOMTAR - SEWER

JAMES HORMAN (PRIMARY CONTACT) **301 POINT BASSE AVE** NEKOOSA, WI 54457 PHONE: (715) 886-7384 WORK E-MAIL: james.horman@domtar.com

#### CHARTER COMMUNMTCAIONS - COMMUNICATION LINE

JIM CHRISTOPHERSON (PRIMARY CONTACT) 5024 HEFFRON ST STEVENS POINT, WI 54481 PHONE: (715) 952-1264 WORK (715) 383-5535 CELL

E-MAIL: james.christopherson@charter.com

#### WE ENERGIES - GAS

LARRY KOCH (PRIMARY CONTACT) 1921 8TH ST SOUTH WISCONSIN RAPIDS, WI 54494 PHONE: (715) 421-7249 WORK (715) 421-9293 CELL

E-MAIL: larry.koch@we-energies.com

### **NEKOOSA MUNICIPAL - STREET LIGHTING**



www.DiggersHotline.com

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PROJECT NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD		TYPICAL SECTION	N	
FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\020301-TS.DWG		PLOT DATE : 10	0/25/2021 3:53 PM	PLOT BY :	SCHLEICHER, BRYCE B	PLOT NAME :







PROJECT NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD			TYPICAL SECTION	N		
FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\020301-TS.DWG			PLOT DATE :	10/25/2021 3:53 PM	PLOT BY :	SCHLEICHER, BRYCE B	PLOT NAME :	

E

2 CL 10' 12' 12' 10' 2 % 2 % 4 % 4 % 3:1 TYP 4 4 4 6" EXISTING TYPICAL SECTION STA 192+76 - STA 229+97 CL 9' 13' 13' 9' 1.5" 2 % 4 % 4 % 3:1 TYP 14 1 3 1.5" MILL & –⁄ 1.5" OVERLAY LEGEND EXISTING ASPHALTIC PAVEMENT SALVAGED ASPHALTIC PAVEMENT BASE COURSE

EXISTING SELECT BORROW

EXISTING PCC PAVEMENT

4. . . . .

EXISTING CRUSHED AGGREGATE BASE COURSE

5MT 58-28 S ASPHALTIC PAVEMENT

PROJECT NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD			TYPICAL SECTION	٨		
FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\020301-TS.DWG			PLOT DATE :	10/25/2021 3:53 PM	PLOT BY :	SCHLEICHER, BRYCE B	PLOT NAME :	

PROPOSED TYPICAL SECTION

STA 192+76 - STA 229+97



CL 10' 12' 12' 10' 4 % 4 % 3:1 TYP 4 % 4 % 1 · · · · · · · 4. 4 1 a 10 121 18 1 EXISTING TYPICAL SECTION STA 229+97 - STA 265+38 CL 9' 13' 13' 9' 1.5" 4 % 4 % 3:1 TYP 4% 4 % 1 4 1 8 8 4 1.5" MILL & <del>-</del> 1.5" OVERLAY LEGEND EXISTING ASPHALTIC PAVEMENT SALVAGED ASPHALTIC PAVEMENT BASE COURSE 9' BYPASS LANE PROPOSED TYPICAL SECTION EXISTING SELECT BORROW STA 229+97 - STA 265+38 4 % 24 . . . d EXISTING PCC PAVEMENT, RUBBLIZED EXISTING CRUSHED AGGREGATE BASE COURSE 5MT 58-28 S ASPHALTIC PAVEMENT STA 249+19 RT - STA 265+75 RT

PROJECT NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD		TYPICAL SECTIO	TYPICAL SECTION		
FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\020301-TS.DWG		PLOT DATE : 10/25/	5/2021 3:53 PM	PLOT BY :	SCHLEICHER, BRYCE B	PLOT NAME :	

LAYOUT NAME - 06







PROJECT NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD		TYPICAL SECTIO	N	
FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\020301-TS.DWG		PLOT DATE	10/25/2021 3:53 PM	PLOT BY :	SCHLEICHER, BRYCE B	PLOT NAME :



FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\020301-TS.DWG LAYOUT NAME - 08

2

PLOT DATE : 10/25/2021 3:53 PM PLOT BY : SCHLEICHER, BRYCE B PLOT NAME :



FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\021001-CD.DWG LAYOUT NAME - 01 PLOT DATE : 10/25/2021 3:54 PM PLOT BY : SCHLEICHER, BRYCE B

ICHER, BRYCE B PLOT NAME :





24''



3'

MAX



FILE NAME :	N:\PDS\C3D\63200003\SHEETSPLAN\021001-CD.DWG
	LAYOUT NAME - 03

PLOT DATE : 10/25/2021 3:54 PM PLOT BY : SCHLEICHER, BRYCE B

R, BRYCE B PLOT NAME :

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PLOT SCALE :

Е





FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\021201-PD.DWG LAYOUT NAME - 02

PLOT DATE : 1/12/2022 11:00 AM PLOT BY : SCHLEICHER, BRYCE B PLOT NAME :



FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\021201-PD.DWG LAYOUT NAME - 03 PLOT DATE : 10/25/2021 3:54 PM PLOT BY : SCHLEICHER, BRYCE B PLOT NAME :



2 VUD O SILT FENCE RELIEF Anna Bour eur SILT FENCE 111 ┟╒╤╤╤ - EROSION MAT # # # # # **h** : # # # # # # /# # # # # # # # #/ ±۲ 163+00 162+00 161+00 STH 73 ┝<mark>╓╓╓</mark> <u>x = = = = = </u> # # # # # # # \_\_\_₩ # # **# # # # # #** # # **\* = = = = =** - EROSION MAT SILT FENCE SILT FENCE RELIEF • dl

PROJECT NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD EROSION CONTROL		ROL			
FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\022001-EC.DWG			PLOT DATE :	10/25/2021 3:54 PM	PLOT BY :	SCHLEICHER, BRYCE B	PLOT NAME :



2 合合 合合 合合合合合 - SILT FENCE RELIEF ROCK BAGS SILT FENCE - EROSION MAT ′# #∏ # # # # #**^** Ħ # # # # # # # 210+00 211+00 STH 73 1 + + + + + # # # # |# # # ,# # # # **₩ # #** /# # # # # ₩ ₩ # # <del>| |</del> # # **|** | # # # # #  $\mathbf{n}$ - EROSION MAT SILT FENCE RELIEF SILT FENCE HWY: STH 73 COUNTY: WOOD EROSION CONTROL PROJECT NO: 6320-00-73

FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\022001-EC.DWG LAYOUT NAME - 03

PLOT BY : SCHLEICHER, BRYCE B PLOT NAME : PLOT DATE : 10/25/2021 3:54 PM



WISDOT/CADDS SHEET 42



N:\PDS\C3D\63200003\SHEETSPLAN\022001-EC.DWG FILE NAME : LAYOUT NAME - 04

PLOT DATE : PLOT BY : SCHLEICHER, BRYCE B 10/25/2021 3:54 PM PLOT NAME

WISDOT/CADDS SHEET 42



LAYOUT NAME - 01



N:\PDS\C3D\63200003\SHEETSPLAN\026001-S1.DWG LAYOUT NAME - 01 FILE NAME :

PLOT DATE : 10/25/2021 3:54 PM

PLOT BY : SCHLEICHER, BRYCE B PLOT NAME :

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WISDOT/CADDS SHEET 42



NOTE: SIGN SIZE 48" USE SDD'S TRAFFIC CON TRAFFIC CON	x 48" UNLESS NOTED OTHERWISE TROL FOR LANE CLOSURE WITH FLAGGING OPERA TROL PEDESTRIAN ACCOMODATION	TION				
					SIDEWALK CLOSED	
					24"X12"	
276+00	277+00		78+00	279+00	280+00	
STH 73						
†	TYPE III BARRICADE					
	TYPE III BARRICADE WITH ATTACHED SIGN					
+ ●	TRAFFIC CONTROL DRUM					
0	SIGN ON PERMANENT SUPPORT					
	SIGN ON TEMPORARY SUPPORT					
	DIRECTION OF TRAFFIC					
$\langle / \rangle$	WORK AREA					
PROJECT NO:	6320-00-73	HWY: STH 73	COUNTY: WOOD	I	TRAFFIC CONTROL - STAGE 1B	





#### **Estimate Of Quantities**

					6320-00-73	
Line	Item	Item Description	Unit	Total	Qty	
0002	203.0220	Removing Structure (structure) 01. CP 71073008614	EACH	1.000	1.000	
0004	203.0220	Removing Structure (structure) 02. CP 71073008616	EACH	1.000	1.000	
0006	204.0110	Removing Asphaltic Surface	SY	10.700	10.700	
8000	204.0115	Removing Asphaltic Surface Butt Joints	SY	152.000	152.000	
0010	204.0120	Removing Asphaltic Surface Milling	SY	64,370.000	64,370.000	
0012	204.0150	Removing Curb & Gutter	LF	54.000	54.000	
0014	204.0165	Removing Guardrail	LF	795.000	795.000	
0016	205.0100	Excavation Common	CY	935.000	935.000	
0018	208.0100	Borrow	CY	305.000	305.000	
0020	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 6320-00-73	LS	1.000	1.000	
0022	213.0100	Finishing Roadway (project) 01. 6320-00-73	EACH	1.000	1.000	
0024	305.0110	Base Aggregate Dense 3/4-Inch	TON	85.000	85.000	
0026	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	1,294.000	1,294.000	
0028	390.0201	Base Patching Asphaltic	TON	50.000	50.000	
0030	455.0605	Tack Coat	GAL	4,580.000	4,580.000	
0032	460.2000	Incentive Density HMA Pavement	DOL	3,340.000	3,340.000	
0034	460.6225	HMA Pavement 5 MT 58-28 S	TON	5,220.000	5,220.000	
0036	465.0105	Asphaltic Surface	TON	632.450	632.450	
0038	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	17,270.000	17,270.000	
0040	522.2424	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	96.000	96.000	
0042	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	4.000	4.000	
0044	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	54.000	54.000	
0046	614.0397	Guardrail Mow Strip Emulsified Asphalt	SY	56.000	56.000	
0048	614.2300	MGS Guardrail 3	LF	454.000	454.000	
0050	614.2340	MGS Guardrail 3 L	LF	92.000	92.000	
0052	614.2500	MGS Thrie Beam Transition	LF	118.000	118.000	
0054	614.2610	MGS Guardrail Terminal EAT	EACH	3.000	3.000	
0056	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6320-00-73	EACH	1.000	1.000	
0058	619.1000	Mobilization	EACH	1.000	1.000	
0060	624.0100	Water	MGAL	0.500	0.500	
0062	625.0100	Topsoil	SY	1,919.000	1,919.000	
0064	628,1504	Silt Fence	LF	1.260.000	1.260.000	
0066	628.1520	Silt Fence Maintenance	LF	1,260.000	1,260.000	
0068	628,1905	Mobilizations Erosion Control	EACH	2.000	2.000	
0070	628,1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000	
0072	628.2023	Erosion Mat Class II Type B	SY	2.109.000	2.109.000	
0074	628,7010	Inlet Protection Type B	EACH	1.000	1.000	
0076	628,7555	Culvert Pipe Checks	EACH	18.000	18.000	
0078	628.7570	Rock Bags	EACH	84.000	84.000	
0080	629.0210	Fertilizer Type B	CWT	1.700	1.700	
0082	630 0120	Seeding Mixture No. 20	IB	71.000	71.000	
0084	630.0500	Seed Water	MGAL	0.500	0.500	
0086	633,5200	Markers Culvert End	EACH	4 000	4,000	
0088	638.2102	Moving Signs Type II	EACH	5 000	5.000	
0090	638 4000	Moving Small Sign Supports	FACH	5 000	5 000	
0092	642 5001	Field Office Type B	FACH	1 000	1 000	
0094	643 0300	Traffic Control Drums	DAY	360.000	360 000	
0096	643 0410	Traffic Control Barricades Type II	DAY	122 000	122 000	
0098	643 0420	Traffic Control Barricades Type III	DAY	4 000	4 000	
0000	010.0420	The event of Bulloudoo Type in	27.11	4.000	4.000	

# 01/13/2022 10:52:09 Page 1 3

			E	Estimate Of C	Quantities	
					6320-00-73	
Line	Item	Item Description	Unit	Total	Qty	
0100	643.0900	Traffic Control Signs	DAY	1,086.000	1,086.000	
)102	643.1000	Traffic Control Signs Fixed Message	SF	48.000	48.000	
0104	643.5000	Traffic Control	EACH	1.000	1.000	
0106	646.1020	Marking Line Epoxy 4-Inch	LF	31,100.000	31,100.000	
0108	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	41,500.000	41,500.000	
0110	648.0100	Locating No-Passing Zones	MI	3.930	3.930	
0112	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	20,700.000	20,700.000	
0114	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	48.000	48.000	
0116	650.6000	Construction Staking Pipe Culverts	EACH	2.000	2.000	
0118	650.8000	Construction Staking Resurfacing Reference	LF	20,750.000	20,750.000	
0120	650.9910	Construction Staking Supplemental Control (project) 01. 6320-00-73	LS	1.000	1.000	
0122	650.9920	Construction Staking Slope Stakes	LF	455.000	455.000	
0124	690.0150	Sawing Asphalt	LF	865.000	865.000	
0126	690.0250	Sawing Concrete	LF	60.000	60.000	
)128	740.0440	Incentive IRI Ride	DOL	15,720.000	15,720.000	
0130	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	600.000	600.000	
0132	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	1,200.000	1,200.000	

# 01/13/2022 10:52:09 Page 2 3

3	<b>STATION</b> 162+27 211+17 <b>TOTAL</b>	REMOVING O         203.0220         EACH         1         1         2	PLD STRUCTURE REMARKS 24 X 24 RCCP BOX 12 FT CSCP EXTENSIONS LT 36 X 24 RCCP BOX 14 FT CSCP EXTENSIONS LT	R 	EMOVING ASPHATIC SURFAC STATION - STATION LOCATI 63+60 MAINLINI 266+39 MAINLINI 63+60 - 266+39 SIDEROA TO	204.0115           10N         SY           IE         6           IE         6           ADS         140           TAL         152	<u>REMOVING</u> <u>STATION - STAT</u> 63+60 - 266+39 266+39 - 270+9	ASPHALTIC SURACE ION LOCATION MAINLINE 2 MAINLINE SHLDRS SIDEROADS TOTAL	MILLING 204.0120 SY 56500 1020 6850 64370	REN 53+60 148+4 149+1 240+2 240+8 252+6 253+3	<b>AOVING CUF</b> <b>ON LOCA</b> 0 C 19 1 12 F 20 1 35 1 38 1 37 1	RB AND GUT           204           ATION           C/L           LT           RT           LT           LT           LT           LT           TOTAL	<b>IER</b> <b>.0150</b> <b>LF</b> 12 6 12 6 6 6 6 6 54
	<b>STATIO</b> 267+3 270+2 267+4	<b>REN</b> <b>DN - STATION</b> 38 - 270+95 25 - 271+08 45 - 270+95	MOVING GUARDRAIL 204.0 LOCATION LF RT 360 LT 85 LT 350 TOTAL 795	165 E REMARKS INSIDE OUTSIDE	REN 5TATION - STATION 63+60 148+49 149+12 240+20 240+85 252+68 253+37	MOVING ASPHALTIC SU 20 ION LOCATION C/L LT LT LT LT LT LT LT LT LT	RFACE         94.0110         SY       REMARKS         1.3         1.3         2.7         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3	<u>BASE PAT</u> <u>STATION - S</u> UNDISTRI	CHING ASPHALTIC           390.020           STATION           SUTED           50           TOTAL	1 <u>P</u> S1 	PREPARE FC PHALTIC PA TATION - STA 63+60 - 266+3	211 AVING (6320-0 211 TION 39 TOTAL	<del>:OR</del> <u>)0-73)</u> 1.0100 LS 1
		DIVISION CULVERTS CULVERTS BEAMGUARD Project Total	FROM/TO STATION 162+27 211+17 266+39-270+92	LOCATION CULVERT CULVERT SHOULDERS	205.0100 COMMON EXCAVATION 450 450 35 935	<b>AVAILABLE MATERIAL</b> 450 450 35 935	- 208.0100 BORROW 0 0 305 305		BASI STATION - STATION 162+27 211+17 266+39 - 270+92 266+39 - 270+92	E AGGREGATE I LOCATION C/L C/L C/L RT LT TOTALS	DENSE 305.0110 3/4-INCH TON 0 0 85 0 85	305.0120 1 1/4-INCH TON 360 360 0 574 1294	
┢	PROJECT NO:	6320-00-73		HWY: STH 73	COUNTY	: WOOD	MISCELLANEC	DUS QUANTITIES				SHEET	E

	ASPHALTIC CEI	<u>ITER LIN</u> E RUI	MBLE STRIP 2-LA	NE RURAL			TACK	COAT			<u> </u>	HMA PAVEMEN	T
_	STATION - ST	ATION	LOCATION	465.0475 LF		STATION - S	STATION L	4 LOCATION G	55.0605 ALLONS	<u>.</u>	STATION - STATIO	ON LOCATION	460.6225 5 MT 58-28 S N TON
	74+50 - 266	+39	C/L TOTAL	17270 <b>17270</b>		63+60 - 26 266+39 - 2 SIDE RO,	66+39 270+92 S ADS	MA INLINE SHOULDERS	4000 100 480		63+60 - 266+39 63+60 - 266+39	MA INLINE SIDE ROA D	4660 S 560
								TOTAL =	4580			TOTAL	S 5220
											ASPHALT		
	<u>CUI</u>	VERT PIPES			<u>co</u>	NCRETE CURB & GUTT	<u>ER</u> .0557			STATION - ST	ATION LOCA	465.01 ATION TON	05 I REMARKS
	CP	RC AP	'RON ENDWALLS			36-INCH 6-I	NCH SLOPED	)		400.07		100	
	CLAS	IV FOR	CULVERT PIPE RC	_		TY	ΡED			162+27 211+17	-	180 180	
	522.;	424	522.2624	-	STATION	LOCATION	LF	REMA	RKS	266+39 - 270	- )+92 LT (	& RT 270	 SHOULDERS
	24x38-l	VCH HE	24x38-INCH		62160	04	10						
STA		. <b>.</b>	EACH	-	63+60 1/8+/9		12	REJECTORIV	EVVA Y CURB	63+60	C	VL 0.31	CURB REPAIR
40	2.07	,	2		140+49	RT	12			148+49	L	_T 0.31	CURB REPAIR
16	2+27 4t	3	2		240+20	IT	6			149+12	F	RT 0.61	CURB REPAIR
21	1+1/ 40		2		240+85	LT	6			240+20	L	_T 0.31	CURB REPAIR
				-	252+68	LT	6			240+85	L	_T 0.31	CURB REPAIR
		,	-		253+37	LT	6			252+68	L	_I 0.31	
								_		253+37	L	_1 0.31	CURB REPAIR
						TOTAL	54				1	FOTAL 632.4	5
									TOPSOIL,	MULCHING, FER	RTILIZER, AND	SEEDING	
		614.2300 MGS GUARDRAIL 3	STEEL PLATE BI 614.2340 MGS 3 GUARDRAIL 3L	EAMGUARD 614.2500 MGS THRIE BEAM TRANSITION	614.2610 MGS GUARDRAIL TERMINAL EAT	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT		STATION - STA	TOPSOIL,	MULCHING, FER 625.0100 TOPSOIL SY	RTILIZER, AND 628.2023 EROSION MAT CLASS II TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB
STATION - STATIC	N LOCATION	614.2300 MGS GUARDRAIL 3 LF	STEEL PLATE B 614.2340 MGS 3 GUARDRAIL 3L LF	EAMGUARD 614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY		STATION - STA	TOPSOIL,	625.0100 TOPSOIL SY	RTILIZER, AND S 628.2023 EROSION MAT CLASS II TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB
STATION - STATIC	<u>)N LOCATION</u>	614.2300 MGS GUARDRAIL 3 LF	STEEL PLATE B 614.2340 MGS 3 GUARDRAIL 3L LF	EAMGUARD 614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY		STATION - STA 162+27 162+27	TOPSOIL, TION LOCATION RT	MULCHING, FEI 625.0100 TOPSOIL SY 50 50	CLASS II TYPE B SY	SEEDING 629.0210 FERTILIZER TYPE B CWT 0.0	630.0120 SEEDING MIXTURE NO. 20 LB 1
<b>STATION - STATIO</b> 266+39 - 270+92	<u>)N LOCATION</u> RT	614.2300 MGS GUARDRAIL 3 LF 236	STEEL PLATE B 614.2340 MGS 3 GUARDRAIL 3L LF	EAMGUARD 614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY		<b>STATION - STA</b> 162+27 162+27 211+17	TOPSOIL, TION LOCATION RT LT RT	MULCHING, FEP 625.0100 TOPSOIL SY 50 50 45	CLASS II TYPE B SY 50 45	SEEDING 629.0210 FERTILIZER TYPE B CWT 0.0 0.0 0.0 0.0	630.0120 SEEDING MIXTURE NO. 20 LB 1 1 1
<b>STATION - STATIC</b> 266+39 - 270+92 269+12 - 270+92	<u>)N LOCATION</u> RT LT	614.2300 MGS GUARDRAIL 3 LF 236 -	STEEL PLATE B 614.2340 MGS 3 GUARDRAIL 3L LF - 92	EAMGUARD 614.2500 MGS THRIE BEAM TRANSITION LF 39 39	614.2610 MGS GUARDRAIL TERMINAL EAT EACH 1 1	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY - 56		<b>STATION - STA</b> 162+27 162+27 211+17 211+17	TOPSOIL, TION LOCATION RT LT RT IT	MULCHING, FEP 625.0100 TOPSOIL SY 50 50 45 40	CLASS II CLASS II TYPE B SY 50 50 45 40	<b>SEEDING</b> 629.0210 FERTILIZER TYPE B CWT 0.0 0.0 0.0 0.0 0.0	630.0120 SEEDING MIXTURE NO. 20 LB 1 1 1 1
<b>STATION - STATIC</b> 266+39 - 270+92 269+12 - 270+92 266+39 - 270+92	<u>)N LOCATION</u> RT LT LT	614.2300 MGS GUARDRAIL 3 LF 236 - 218	STEEL PLATE B 614.2340 MGS 3 GUARDRAIL 3L LF - 92 -	EAMGUARD 614.2500 MGS THRIE BEAM TRANSITION LF 39 39 39 39	614.2610 MGS GUARDRAIL TERMINAL EAT EACH 1 1 1	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY - 56 -		<b>STATION - STA</b> 162+27 162+27 211+17 211+17 266+39-270+9	TOPSOIL, TION LOCATION RT LT RT LT 2 RT	MULCHING, FEP 625.0100 TOPSOIL SY 50 50 45 40 1050	CLASS II           50	SEEDING 629.0210 FERTILIZER TYPE B CWT 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	630.0120 SEEDING MIXTURE NO. 20 LB 1 1 1 1 1 35
<b>STATION - STATIC</b> 266+39 - 270+92 269+12 - 270+92 266+39 - 270+92	<u>)N LOCATION</u> RT LT LT TOTALS	614.2300 MGS GUARDRAIL : LF 236 - 218 454	STEEL PLATE B 614.2340 MGS 3 GUARDRAIL 3L LF - 92 - 92	EAMGUARD 614.2500 MGS THRIE BEAM TRANSITION LF 39 39 39 39	614.2610 MGS GUARDRAIL TERMINAL EAT EACH 1 1 1 3	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY - 56 - 56		STATION - STA 162+27 162+27 211+17 211+17 266+39-270+5 266+39-270+5	TOPSOIL, TION LOCATION RT LT RT LT 2 RT LT 2 LT	MULCHING, FEP 625.0100 TOPSOIL SY 50 50 45 40 1050 684	Class II           628.2023           EROSION MAT           CLASS II           TYPE B           SY           50           50           45           40           1050           684	SEEDING 629.0210 FERTILIZER TYPE B CWT 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	630.0120 SEEDING MIXTURE NO. 20 LB 1 1 1 1 1 35 31
<b>STATION - STATIC</b> 266+39 - 270+92 269+12 - 270+92 266+39 - 270+92	DN LOCATION RT LT LT TOTALS	614.2300 MGS GUARDRAIL : LF 236 - 218 454	STEEL PLATE B 614.2340 MGS 3 GUARDRAIL 3L LF - 92 - 92 -	EAMGUARD 614.2500 MGS THRIE BEAM TRANSITION LF 39 39 39 39	614.2610 MGS GUARDRAIL TERMINAL EAT EACH 1 1 1 3	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY - 56 - 56		STATION - STA 162+27 162+27 211+17 266+39-270+9 266+39-270+9 UNDISTRIBUTE	TOPSOIL, TION LOCATION RT LT RT LT 2 RT 2 LT D	MULCHING, FEP 625.0100 TOPSOIL SY 50 50 45 40 1050 684	Class         Control         Control <thcontrol< th=""> <thcontrol< th=""> <thcon< td=""><td>SEEDING 629.0210 FERTILIZER TYPE B CWT 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.</td><td>630.0120 SEEDING MIXTURE NO. 20 LB 1 1 1 1 1 35 31</td></thcon<></thcontrol<></thcontrol<>	SEEDING 629.0210 FERTILIZER TYPE B CWT 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	630.0120 SEEDING MIXTURE NO. 20 LB 1 1 1 1 1 35 31
<b>STATION - STATIC</b> 266+39 - 270+92 269+12 - 270+92 266+39 - 270+92	DN LOCATION RT LT LT TOTALS	614.2300 MGS GUARDRAIL : LF 236 - 218 454	STEEL PLATE B 614.2340 MGS 3 GUARDRAIL 3L LF - 92 - 92 -	EAMGUARD 614.2500 MGS THRIE BEAM TRANSITION LF 39 39 39 39	614.2610 MGS GUARDRAIL TERMINAL EAT EACH 1 1 1 3	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY - 56 - 56		STATION - STA 162+27 162+27 211+17 211+17 266+39-270+5 266+39-270+5 UNDISTRIBUTE	TOPSOIL, TION LOCATION RT LT RT LT 2 RT 2 LT D TOTALS	MULCHING, FEP 625.0100 TOPSOIL SY 50 45 40 1050 684 1919	CLASS II           50           50           50           50           50           50           50           50           50           50           50           50           50           45           40           1050           684           190	SEEDING 629.0210 FERTILIZER TYPE B CWT 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	630.0120 SEEDING MIXTURE NO. 20 LB 1 1 1 1 1 35 31

FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 02

WISDOT/CADDS SHEET 42

	<u>SILT FE</u>	NCE		MOBILIZA	TIONS EROSION CO	NTROL
STATION - STATION	LOCATION	628.1504 LF	628.1520 MAINTENANCE LF		628.1905 MOBILIZATIONS	628.1910 MOBILIZATIONS EMERGENCY
162+27	RT	50	50		CONTROL	CONTROL
162+27	LT	56	56	STATION - STATION	EACH	EACH
211+17	RT	47	47			
211+17	LT	55	55	PROJECT	2	1
266+00 - 270+92	RT	549	549			
266+00 - 270+92	LT	502	502	TOTALS	2	1
	TOTALS	1260	1260			
			TRAF	ITROL	640.0120	640.0250

	TRAFFIC CONTROL PROJECT EACH	643.0300 DRUMS DAYS	643.0410 BARRICADES TYPE II DAYS	643.0420 BARRICADES TYPE III DAYS	643 SI NO.	GNS DAYS	643.1000 FIXED MESSAGE SIGNS SF	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH LF	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF
PRE-PROJECT							48		
A DV A NCED WA RNING					34	1020			
PROJECT LENGTH	1							20700	
162+27		30	1	2	1	2			
211+17		30	1	2	1	2			
266+39 - 270+92		300	120		18	62			48
TOTALS	1	360	122	4	54	1086	48	20700	48

PROJECT NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD	MISCELLANEOUS QUANTITIES	

#### INLET PROTECTION

STATION	LOCATION	628.7010 TYPE B EACH
149+12	RT	1
	TOTALS	1

#### CULVERT PIPE CHECKS

STATION	LOCATION	628.7555 EACH
162+27 211+17	LT LT	9 9
	TOTAL	18

#### ROCK BAGS

STATION	LOCATION	628.7570 EACH
162+27	SILT FENCE RELIEF	42
211+17	SILT FENCE RELIEF	42
	TOTAL	84

PLOT SCALE : 1" = 1'

SHEET

WISDOT/CADDS SHEET 42

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	MARKERS CU	ILVERT END			LOCA	TING NO-PAS	SING ZONES	<u>}</u>	
STATION	LOCATION	633.5200 EACH	REMARKS		STATIC	ON - STATION	648.0100 MILES	_	
162+27	LT & RT	2			63+6	80 - 270+92	3.93		
211+17	LT & RT	2 4				TOTAL	3.93	_	
	M	IARKING LIN	E EPOXY 646.1040 GROOVED WET REF 4 INCH	646.1020		MOVING	<u>SIGNS</u> 638.2102 TYPE 2	638.4000 SMALL SIGN SUPPORTS	
STATIO	N - STATION	LOCATION	WHITE N LF	YELLOW	<b>STATION</b> 211+17	LOCATION	<b>EACH</b>	<b>EACH</b>	
63+60	0 - 270+92	LT & RT	41500	31100	267+90 269+12 270+65	RT RT RT	- 1 1 1	- 1 1 1	
		тот	ALS 41500	31100				<u> </u>	
	<b>STATION</b> 162+27 211+17 <b>STATIO</b> 63+60	STATION       LOCATION         162+27       LT & RT         211+17       LT & RT         MARKERS CU       Markers Cu         STATION       LOCATION         63+60 - 270+92	MARKERS CULVERT END           STATION         LOCATION         633.5200 EACH           162+27         LT & RT         2           211+17         LT & RT         2           4         4           MARKING LIN           STATION - STATION         LOCATION           63+60 - 270+92         LT & RT           TOTA	MARKERS CULVERT END STATION       LOCATION       633.5200 EACH       REMARKS         162+27       LT & RT       2         211+17       LT & RT       2         4	MARKERS CULVERT END         STATION       LOCATION       633.5200 EACH       REMARKS         162+27       LT & RT       2         211+17       LT & RT       2         4       MARKING LINE EPOXY         646.1040 GROOVED WET REF         646.1040 GROOVED WET REF       646.1020 4-INCH         STATION - STATION       LOCATION       LF         63+60 - 270+92       LT & RT       41500       31100	MARKERS CULVERT END         LOCA           STATION         LOCATION         633.5200 EACH         REMARKS         STATIO           162+27         LT & RT         2         4         63+6           162+27         LT & RT         2         4         63+6           MARKING LINE EPOXY         646.1040 GROOVED         STATION         STATION         STATION         STATION         LOCATION         LF         LF         211+17           STATION - STATION         LOCATION         LF         LF         211+17         267+90         269+12           63+60 - 270+92         LT & RT         41500         31100         269+12         270+65	MARKERS CULVERT END         LOCATING NO-PAS           STATION         LOCATION         633.5200 EACH         REMARKS           162+27 211+17         LT & RT         2 4         63460 - 270+92           162+27         LT & RT         2 4         70TAL           MARKING LINE EPOXY         646.1040 GROOVED WET REF         646.1020 4-INCH         MOVING           STATION - STATION         LOCATION         LF         LF           STATION - STATION         LOCATION         LF         LF           63+60 - 270+92         LT & RT         41500         31100	MARKERS CULVERT END         LOCATING         633.5200 EACH         EACH         REMARKS           162+27 211+17         LT&RT         2 -4         63+60 - 270+92         3.93           MARKING LINE EPOXY         646.1040 GROOVED WET REF         646.1020 4-INCH         MOVING SIGNS           MOVING SIGNS         638.2102 TYPE 2           STATION - STATION         LOCATION         LF         LF           63+60 - 270+92         LT&RT         41500         31100         Z11+17         LT & RT         2 	$\begin{tabular}{l lllllllllllllllllllllllllllllllllll$

# SAWING CONCRETE

		UCTION STAKIN	IG			STATION	LOCATION	690.0250 LF
STATION - STATION	650.6000 PIPE CULVERTS EACH	650.8000 RESURFACING REFERENCE LF	650.9910 SUPPLEMENTAL CONTROL .01 (6320-00-73) LS	650.992 SLOPE STAKES LF		63+60 148+49 149+12 240+20 240+85	C/L LT RT LT LT	18 6 12 6 6
63+60 - 270+92 266+39 - 270+92 162+27 211+17	  1 1	20,750  	1  	 455 		252+68 253+37	LT LT TOTAL	6 6 <b>60</b>
TOTALS	2	20,750	1	455				
PROJECT NO: 6320-00-73		HWY: STH 73	3		DUNTY: WOOD	MISCELLANE	OUS QUANTITIES	

FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 04

PLOT DATE : 1/12/2022 11:00 AM PLOT BY : SCHLEICHER, BRYCE B PLOT NAME :

# SAWING ASPHALT

STATION	LOCATION	690.0150 LF	
161+75		44	
162+80		44	
210+65		44	
211+70		44	
78+43	LT	25	SIDEROA DS
99+84	LT	28	
99+84	RT	32	
113+39	LT	37	
119+34	RT	26	
148+77	LT	29	
148+78	RT	44	
154+66	LT	27	
173+20	RT	43	
181+18	RT	25	
188+02	LT	25	
196+81	RT	42	
214+27	LT	32	
214+27	RT	31	
227+66	LT	27	
227+67	RT	25	
240+40	LT	26	
252+96	LT	27	
265+84	LT	25	
265+84	RT	31	
63+60	C/L	12	CURB REPAIRS
148+49	LT	10	
149+12	RT	20	
240+20	LT	10	
240+85	LT	10	
252+68	LT	10	
253+37	LT	10	
		865	

PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

SHEET

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		N		MATCH LINE 69+30		
00	I	69+00 +			-	
						5
		N		MATCH LINE 75+10		
74+00			75+00			
		SHEET			E	

			CAROUSELCT												
75+00	76+	-00	77+00	78+00		79+00									
MATCH LINE 75+10															
	81+00	82+00	83+00	84+00		85+00									
MATCH LINE 80+90															

			_
	N	MATCH LINE 80+90	
80+00		81 <u>+</u> 00	
		-	
			5
	N	MATCH LINE 86+70	
86+00			
			1
	SHEET	E	1

	PROJECT	NO:	6320-0	0-73			НW	/Y: STH	73			CO	UNTY:	WC	OD			PLAN S	HEETS					
	MATCH LINE 92+50																							
				93+I	00		 	<b>.</b>	94	4+00 +	 •	 			95+00 1	ı	 		96+C	00	- <b>-</b>			9
5	MATCH LINE																							
	86+70																							
			87+0C			I	 	88+0	00		<b>I</b>		89+ 	00	I		 	90+00					91+00	)





	N	MATCH LINE 104+10	
103+00	104+00	) 	
			5
	N	MATCH LINE 109+90	
100.00		110,00	
100+601		110+00	
PLOT SCALE : 1 IN:40 FT	SHEET		I
	34/1	SULU // ADDS SUEET AA	

WISDOT/CADDS SHEET 44
					XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
	06+601					
5	MATCH LINE					
		116+00	117+00	118+00	119+00 120+	00
	MATCH LINE 115+70				BRXXXXX XXXXX XXXXX AINBRIDGE TRAIL	
	PROJECT	NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD	PLAN SHEETS	



	MATCH LINE 1.																
	127+30																
)			128+00			- <b>I</b>	129+00	- <b>I</b>	- <b>I</b>		130+00	- <b>I</b>	- <b>-</b>		131+00	 	1
5	MATCH LINE 121																
	L+50																
		 122+00	)	<b>I</b>	<u>ı</u>	123+00		I		124+00	<b>,</b>			125+00		 <b>.</b>	12 6

	N	MATCH LINE 127+30	
+00	127+00		
			5
	N	MATCH LINE 133+10	
132+00		0	
1			
	SHEET		E

	133+00	134+ 	-00 1	1.35+00		137	7+00
5	MATCH LINE 133+10						
		139+00	140+00	141+00			143+00 I
	MATCH LINE 138+90						
	PROJECT	NO: 6320-00-73	HWY: STH 73	COUNTY:	WOOD	PLAN SHEETS	

	N	MATCH LINE 138+90		
138+00		139+00	C	
				5
				Ŭ
	N	MATCH LINE 144+70		
111.00				
144+00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>ı      ı                             </u>			
	SHEET		Е	

				STA 148+49 LT REMOVE CURB AND GUTTER AS DIRECTED BY ENGINEER CONCRETE CURB & GUTTER 36-INCH, 6-INCH SLOPED TYPE D	XXXX RANGELINE RD
	, 145+00 , ,	146+00	. 147+00	148+00 · · ·	⊕ <u>149+00</u>
MATCH LINE 144+70			LSOd ⊗		RANGELINE RD
					WHITE OAK
					******
	151+00	152+00	153+00	154+00	
MATCH LINE 150+50					
PROJECT N	NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD	PLAN SHEETS	



)	157+00	158+00	159+00	160+00
MATCH LINE 156+30				
PB BP	CP 71073008614 EXISTING 24X24	Z=997.090 Y=421424.886 X=723291.671 CP MAG	° dl	
162+00	163+00	164+00	165+00	166+00
MATCH LINE 162+10	STA 162+27 CPRCHIE HE-IV 24X38-INCH REQUIR 2-AEW REQUIRED Y=421507.583 X=723425.813 CP IP W/CAP	RED		
PROJECT	NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD	PLAN SHEETS

FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\050201-PN.DWG LAYOUT NAME - 09 PLOT DATE : 10/25/2021 4:03 PM PLOT BY : SCHLEICHER, BRYCE B PLOT NAME :



			DSO4 ©			
		168+00	169+00 <b>   ⊖ </b>	170+00	171+00	172+00
5	MATCH LINE 167+90					
		174+00	<b>()</b> 5+00	176+00	177+00	178+00
	MATCH LINE 173+70					
	PROJECT	NO: 6320-00-73	HWY: STH 73	COUNTY: WOOD	PLAN SHEETS	



	IN				
	120100	191:00	102:00	192,00	10/
				103700	104*
)+50					
INE 179		xxxxxxxxx			
ATCH L		YORKS			
Σ		HIRE			
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			BEPPPL		
			R R D		
			XXXXXXXX		
			TZO9 o TZO9 o		
)	186+00	187+00	188+00	189+00	
30					
E 185+;					
CH LIN					
MAT					
PROJECT NO:	6320-00-73	HWY: STH 73	COUNTY: WOOD	PLAN SHEETS	

FILE NAME : N:\PDS\C3D\63200003\SHEETSPLAN\050201-PN.DWG LAYOUT NAME - 11

PLOT DATE : 10/25/2021 4:03 PM PLOT BY : SCHLEICHER, BRYCE B PLOT NAME :

	N	MATCH LINE 185+30		
184+00 I I I	185+00			
				5
	N	MATCH LINE 191+10		
. 190+00	. 191+00			
	SHEET		Ε	

	T NO: 6320-00-73	HW/Y· STH 73		ρι ανι shffts
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			T2O9 ⊚ T2O9 ⊙	
	197+00	198+00	199+00 200+00	201+00 <b>@</b>
MATCH LINE 101+10				
191+00			194+00	195+00
		T2O9 ⊙ T2O9		



					201.02		200-00		
		203+00	, 204+00				206+00		207+00 
	02+70								
5	MATCH LINE 2								
				Z=983.900			° d'		
				Y=421418.393 ▼ X=718632.737 CP MAG					
		209+00	210+00		211+00		212+00		213
	3+50					Z=983 Y=421 X=718 STA 211+17 CPRCHIE HE-IV 24 2-AFW BFOLURED	.050 467.737 <b>V</b> 489.667 X38-INCH REQUIRED	ہ الہ	
	MATCH LINE 205				₽ ( ₽			ui	
	PROJECT	NO: 6320-00-73	HWY: STH 73		COUNTY: WOOD		PLAN SHEETS		



WISDOT/CADDS SHEET 44

	S HOLLYWOOD RDX	xxxxx.			
			© POST •		
	)	215+00	216+00	217+00	218+00
	0H NXX 214,430	CXXXXX			
5	LLYWOOD RD				
			T2O9 👁		
	220+00	, 221+00	· · · · · · · · · · · · · · · · · · ·	223+00	224+00
	MATCH LINE 220+10			° dl	
	PROJECT	ГNO: 6320-00-73	HWY: STH 73	COUNTY: WOOD	PLAN SHEETS

	N		MATCH LINE 220+10		
 219+00		220+00			
1					
					5
	N		MATCH LINE 225+90		
225+00	·	<u> </u>	226+0	0	
	SHEET		_	E	



WISDOT/CADDS SHEET 44

			REMOVE ( 36-IN	STA 240+20 LT CURB AND GUTTER CONCRETE CURB & GUTTER ICH, 6-INCH SLOPED TYPE D	STA 240+85 LT REMOVE CURB AND GUTTER CONCRETE CURB & GUTTER 36-INCH, 6-INCH SLOPED TYPE D	
		238+00	239+00	240+00	241+00	242
5	MATCH LINE 237+50					
		244+00	245+00	246+00	247+00	
	MATCH LINE 243+30					
	PROJECT NO:	6320-00-73	HWY: STH 73	COUNTY: WOOD	PLAN SHEETS	





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![](_page_49_Figure_0.jpeg)

N:\PDS\C3D\63200003\SHEETSPLAN\050201-PN.DWG LAYOUT NAME - 18 FILE NAME :

PLOT DATE : 10/25/2021 4:03 PM PLOT BY : SCHLEICHER, BRYCE B PLOT NAME :

# Standard Detail Drawing List

08001-22B       CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS         080809-06       SILT FENCE         0811-02       INLET PROTECTION TYPE A, B, C AND D         08151-01       CULVERT PIPE CHECK         08704-01       APRON ENDWALLS FOR CULVERT PIPE         08704-07       JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL         13A11-03A       2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING         13A11-03B       Z-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING         13A11-03A       Z-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING         13A12-03B       Z-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING         13A20-03       HMA LONGTUDINAL JOINTS         14842-07C       MIDWEST GUARDRAIL SYSTEM (MCS) GUARDRAIL         14842-07B       HIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         14843-04A       MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)         14844-04A       HIDWEST GUARDRAIL SYSTEM HENERGY ABSORBING TERMINAL (MGS)         14844-04A       HIDWEST GUARDRAIL SYSTEM HENERGY ABSORBING TERMINAL (MGS)         14845-05A       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)	08D01-22A	CONCRETE CURB & GUTTER
08E09-06 SILT FENCE 08E10-02 INLET PROTECTION TYPE A, B, C AND D 08E15-01 CULVERT PIPE CHECK 08F01-01 APRON ENDMALLS FOR CULVERT PIPE 08F02-01 APRON ENDMALLS FOR PIPE ARCH AND ELLIPTICAL PIPE 08F02-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL 13A11-03A 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13A11-03B 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13C19-03 HMA LONGTUDINAL JOINTS 14842-07A MIDWEST GUARDRAIL SYSTEM (MCS) GUARDRAIL 14842-07C MIDWEST GUARDRAIL SYSTEM (MCS) GUARDRAIL 14842-07C MIDWEST GUARDRAIL SYSTEM (MCS) GUARDRAIL 14842-07C MIDWEST GUARDRAIL SYSTEM LONG SPAN MCS (L) 14843-04A MIDWEST GUARDRAIL SYSTEM LONG SPAN MCS (L) 14843-04A MIDWEST GUARDRAIL SYSTEM LONG SPAN MCS (L) 14843-04A MIDWEST GUARDRAIL SYSTEM LONG SPAN MCS (L) 14844-04A MIDWEST GUARDRAIL SYSTEM LONG SPAN MCS (L) 14844-04A MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MCS) 14844-04C MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MCS) 14845-05D MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MCS) 14845-05C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MCS) 1503-06 MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MCS) 1503-05C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRAN	08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08E10-02 INLET PROTECTION TYPE A, B, C AND D 08E15-01 CULVERT PIPE CHECK 08F02-01 APRON ENDWALLS FOR CULVERT PIPE 08F02-01 APRON ENDWALLS FOR CULVERT PIPE AND CONCRETE COLLAR DETAIL 13A11-03A 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13A11-03B 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13A11-03B 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13C19-03 HMA LONGTTUDINAL JOINTS 14842-07M MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14842-07D MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14842-07D MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14843-04B MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14843-04B MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14843-04B MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14843-04B MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14844-04A MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) 14844-04A MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) 14844-04B MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) 14844-04B MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) 14845-05B MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05B MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05B MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05L MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSI	08E09-06	SILT FENCE
08E15-01 CULVERT PIPE CHECK 08F02-01 APRON ENDWALLS FOR CULVERT PIPE 08F02-01 APRON ENDWALLS FOR CULVERT PIPE 08F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL 13A11-03A 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13A11-03B 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13A11-03B 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13A11-03B 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 14842-07C MIDWEST GUARDRAIL SYSTEM (MCS) GUARDRAIL 14842-07C MIDWEST GUARDRAIL SYSTEM (MCS) GUARDRAIL 14842-07C MIDWEST GUARDRAIL SYSTEM (MCS) GUARDRAIL 14842-07C MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14843-04A MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14843-04B MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14843-04B MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14844-04C MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) 14844-04C MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) 14845-05B MIDWEST GUARDRAIL SYSTEM HENERGY ABSORBING TERMINAL (MGS) 14845-05C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05B MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05B MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 1503-02A FLEXIBLE MARKER POST FOR CULVERT END 1502-03B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 1502-04B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 1502-04B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 1502-05B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 1502-05B BARRICADES AND SIGNS F	08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11 APRON ENDWALLS FOR CULVERT PIPE 08F02-01 APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE 08F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL 13A11-03A 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13A11-03B 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13C19-03 HMA LONGTIUDINAL JOINTS 14842-07M MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14842-07D MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14842-07D MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14842-07D MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14843-04A MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14843-04A MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14843-04A MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14844-04B MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14844-04B MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) 14844-04B MIDWEST GUARDRAIL SYSTEM HENERGY ABSORBING TERMINAL (MGS) 14845-05A MIDWEST GUARDRAIL SYSTEM HENERGY ABSORBING TERMINAL (MGS) 14845-05A MIDWEST GUARDRAIL SYSTEM HENERGY ABSORBING TERMINAL (MGS) 14845-05C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05F MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05F MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05F MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05K MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05K MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 14845-05K MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 1503-02 FLEXIBLE MARKER POST FOR CULVERT END 1502-08B BARRICADES AND SIGNS FOR MAINLINE (LOSURES 1503-05 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M,P,H. OR GREATER TWO-WAY 1503-05 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M,P,H. OR GREATER TWO-WAY 1503-05 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M,P,H. OR GREATER TWO-WAY 1503-05 TRAFFIC CONTROL, ADVANCE WARNING SIG	08E15-01	CULVERT PIPE CHECK
08r04-01       APRONE ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE         08r04-07       JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL         13al1-03A       2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING         13c19-03       HMA LONGITUDINAL JOINTS         14842-07A       MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL         14842-07C       MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL         14842-07C       MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL         14842-07C       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         14843-04A       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         14843-04A       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         14844-04A       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         14844-04A       MIDWEST GUARDRAIL SYSTEM LENGY ABSORBING TERMINAL (MGS)         14844-04B       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05B       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05C       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) <t< td=""><td>08F01-11</td><td>APRON ENDWALLS FOR CULVERT PIPE</td></t<>	08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07       JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL         13A11-03A       2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING         13A11-03B       2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING         13C19-03       HMA LONGITUDINAL JOINTS         18422-07B       MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL         18422-07C       MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL         18422-07D       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         1843-04A       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         1843-04B       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         18444-04A       MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)         18444-04A       MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)         18444-04B       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         18445-05C       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         184505D       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         184505C       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) <t< td=""><td>08F02-01</td><td>APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE</td></t<>	08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
<ul> <li>13A11-03A</li> <li>2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING</li> <li>13A11-03B</li> <li>2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING</li> <li>13L19-03</li> <li>HMA LONGITUDINAL JOINTS</li> <li>14842-07A</li> <li>MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL</li> <li>14842-07C</li> <li>MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL</li> <li>14843-04A</li> <li>MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)</li> <li>14843-04A</li> <li>MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)</li> <li>14843-04C</li> <li>MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)</li> <li>14844-04A</li> <li>MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)</li> <li>14844-04C</li> <li>MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)</li> <li>14845-05B</li> <li>MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)</li> <li>14845-05C</li> <li>MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)</li> <li>14845-05L</li> <li>MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)</li> <li>14845-05L<!--</td--><td>08F04-07</td><td>JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL</td></li></ul>	08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13.11-03B       2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING         13C19-03       HMA LONGITUDINAL JOINTS         13422-07A       MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL         14842-07C       MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL         14842-07D       MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL         14842-07D       MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL         14843-04A       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         14843-04B       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         14843-04C       MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)         14844-04B       MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)         14844-04B       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05A       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05B       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05C       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05F       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)	13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP. MILLING
<ul> <li>13:C19-O3 HMA LONGTUDINAL JOINTS</li> <li>14842-07A MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL</li> <li>14842-07B MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL</li> <li>14842-07C MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL</li> <li>14842-07C MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL</li> <li>14842-07C MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL</li> <li>14843-04A MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)</li> <li>14843-04A MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)</li> <li>14843-04C MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)</li> <li>14844-04A MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)</li> <li>14844-04B MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)</li> <li>14844-04C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)</li> <li>14845-05B MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)</li> <li>14845-05B MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)</li> <li>14845-05C MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)</li> <li>14845-05L MIDWEST</li></ul>	13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14812-07AMIDWEST GUARDRAILSYSTEM (MGS) GUARDRAIL14842-07BMIDWEST GUARDRAILSYSTEM (MGS) GUARDRAIL14842-07CMIDWEST GUARDRAILSYSTEM (MGS) GUARDRAIL14842-07DMIDWEST GUARDRAILSYSTEM (MGS) GUARDRAIL14843-04AMIDWEST GUARDRAILSYSTEM LONG SPAN MGS (L)14843-04AMIDWEST GUARDRAILSYSTEM LONG SPAN MGS (L)14844-04AMIDWEST GUARDRAILSYSTEM ENERGY ABSORBING TERMINAL (MGS)14844-04AMIDWEST GUARDRAILSYSTEM ENERGY ABSORBING TERMINAL (MGS)14844-04AMIDWEST GUARDRAILSYSTEM ENERGY ABSORBING TERMINAL (MGS)14845-05AMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05CMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05CMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-051MIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-051MIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-054MIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-055MIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-054MIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-055MIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-056MIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITI	13c19-03	HMA LONGITUDINAL JOINTS
14842-07CMIDWEST GUARDRAILSYSTEM (MGS)GUARDRAIL14842-07CMIDWEST GUARDRAILSYSTEM (MGS)GUARDRAIL14842-07DMIDWEST GUARDRAILSYSTEM (MGS)GUARDRAIL14843-04AMIDWEST GUARDRAILSYSTEM LONG SPAN MGS (L)14843-04AMIDWEST GUARDRAILSYSTEM LONG SPAN MGS (L)14843-04CMIDWEST GUARDRAILSYSTEM ENERGY ABSORBING TERMINAL (MGS)14844-04AMIDWEST GUARDRAILSYSTEM ENERGY ABSORBING TERMINAL (MGS)14844-04CMIDWEST GUARDRAILSYSTEM ENERGY ABSORBING TERMINAL (MGS)14844-04CMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05BMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05CMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05GMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05IMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05IMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05IMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)1502-05MARTRARE POST FOR CULVERT END1503-02AFLEXIBLE MARKER POST FOR CULVERT END	14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14842-07CMIDWEST GUARDRAILSYSTEM(MGS)GUARDRAIL14842-07DMIDWEST GUARDRAILSYSTEMLONGSPANMGS(L)14843-04AMIDWESTGUARDRAILSYSTEMLONGSPANMGS(L)14843-04AMIDWESTGUARDRAILSYSTEMLONGSPANMGS(L)14843-04AMIDWESTGUARDRAILSYSTEMLONGSPANMGS(L)14844-04AMIDWESTGUARDRAILSYSTEMENERGYABSORBINGTERMINAL(MGS)14844-04CMIDWESTGUARDRAILSYSTEMENERGYABSORBINGTERMINAL(MGS)14845-05AMIDWESTGUARDRAILSYSTEMTHRIEBEAMTRANSITION(MGS)14845-05CMIDWESTGUARDRAILSYSTEMTHRIEBEAMTRANSITION(MGS)14845-05CMIDWESTGUARDRAILSYSTEMTHRIEBEAMTRANSITION(MGS)14845-05FMIDWESTGUARDRAILSYSTEMTHRIEBEAMTRANSITION(MGS)14845-05FMIDWESTGUARDRAILSYSTEMTHRIEBEAMTRANSITION(MGS)14845-05FMIDWESTGUARDRAILSYSTEMTHRIEBEAMTRANSITION(MGS)14845-05FMIDWESTGUARDRAILSYSTEMTHRIEBEAMTRANSITION(MGS)14845-05FMIDWESTGUARDRAILSYSTEMTHRIEBEAMTRANSITION(MGS)14845-05FMIDWESTGUARDRAILSYSTEM <td< td=""><td>14B42-07B</td><td>MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL</td></td<>	14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14842-07D       MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL         14843-04A       MIDWEST GUARDRAIL SYSTEM LONG SPAN MCS (L)         14843-04C       MIDWEST GUARDRAIL SYSTEM LONG SPAN MCS (L)         14843-04C       MIDWEST GUARDRAIL SYSTEM LONG SPAN MCS (L)         14844-04C       MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)         14844-04C       MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)         14844-04C       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05A       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05B       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05C       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05G       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-051       MIDWEST	14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14843-04A       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         14843-04A       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         14843-04C       MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)         14844-04A       MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)         14844-04A       MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)         14844-04C       MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)         14845-05A       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05C       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05F       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05C       MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)         14845-05L	14B42-07D	MIDWEST GUARDRATI SYSTEM (MGS) GUARDRATI
14843-048MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)14843-04CMIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)14844-04CMIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)14844-04BMIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)14844-04CMIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)14845-05AMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05BMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05CMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05EMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05EMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05GMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05GMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05HMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05L	14B43-04A	MIDWEST GUARDRATL SYSTEM LONG SPAN MGS (L)
14843-04CMIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)14844-04AMIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)14844-04AMIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)14844-04CMIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)14845-05AMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05BMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05CMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05CMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05GMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05HMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05IMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)1502-05BBARRICADES AND SIGNS FOR CULVERT END1503-02BFLEXIBLE MARKER POST FOR CULVERT END1503-02AFLEXIBLE MARKER POST FOR CULVERT END1504-05BARRICADES AND SIGNS FOR VARIOUS CLOSURES1502-08BBARRICADES AND SIGNS FOR VARIOUS CLOSURES1502-05TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR GREATER TWO-WAY1502-05TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS1502-05TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H.	14B43-04B	MIDWEST GUARDRATH SYSTEM LONG SPAN MGS (1)
14844-04AMIDWEST GUARDRAILSYSTEMENERGYABSORBINGTERMINAL (MGS)14844-04BMIDWEST GUARDRAILSYSTEMENERGYABSORBINGTERMINAL (MGS)14844-04BMIDWEST GUARDRAILSYSTEMENERGYABSORBINGTERMINAL (MGS)14845-05AMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05BMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05CMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05EMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05FMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05GMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05IMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05IMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05LMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05LMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05LMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05LMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05LMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (MGS)14845-05LMIDWEST GUARDRAILSYSTEMTHRIEBEAMTRANSITION (	14B43-04C	MIDWEST GUARDRATI SYSTEM LONG SPAN MGS (1)
14844-048MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)14844-046MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)14845-05AMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05BMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05CMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05CMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05EMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05GMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05HMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05IMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)15002-08ABARRICADES AND SIGNS FOR CULVERT END15002-08ABARRICADES AND SIGNS FOR MAINLINE CLOSURES15003-05BARRICADES AND SIGNS FOR SIDEROAD CLOSURES15004-05TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY15008-208PAVEMENT MARKING (MAINLINE)15012-05TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS15012-05TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS15021-05TRAFFIC CONTROL, PUENERATION TWO-LANE TWO-WAY ROADWAY15030-06ATRAFFIC CONTROL, PUENS	14B44-04A	MIDWEST GUARDRATL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14844-04CMIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)14845-05AMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05BMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05CMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05DMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05IMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05IMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05IMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)15445-05LMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14	14B44-04B	MIDWEST GUARDRATI SYSTEM ENERGY ABSORBING TERMINAL (MGS)
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14845-05CMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05CMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05FMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05GMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05GMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05IMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05IMIDWEST GUARDRAILSYSTEM THRIE BEAM TRANSITION (MGS)14845-05LMIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)1502-05LFLEXIBLE MARKER POST FOR CULVERT END1502-05BBARRICADES AND SIGNS FOR VARIOUS CLOSURES150	14B45-05B	MIDWEST GUARDRATI SYSTEM THREE BEAM TRANSITION (MGS)
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14845-051MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)14845-051MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)15A03-02AFLEXIBLE MARKER POST FOR CULVERT END15A03-02BFLEXIBLE MARKER POST FOR CULVERT END15C02-08ABARRICADES AND SIGNS FOR MAINLINE CLOSURES15C02-08BARRICADES AND SIGNS FOR VARIOUS CLOSURES15C03-05BARRICADES AND SIGNS FOR SIDEROAD CLOSURES15C04-05TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY15C08-04LONGTUDINAL MARKING (MAINLINE)15C08-206PAVEMENT MARKING (TURN LANES)15C08-207PAVEMENT MARKING (TURN LANES)15C11-098CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS15C12-07TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION15C33-04PAVEMENT MARKING (INTERSECTIONS)15D30-06ATRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION15D30-06BTRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION15D30-06ATRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION15D30-06CTRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION15D30-06CTRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION15D30-06CTRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION15D30-06CTRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION15D30-062TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION15D30-064TRAFFIC C	14B45-05H	MIDWEST GUARDRATI SYSTEM THREE BEAM TRANSITION (MGS)
The second sec	14845-05T	MIDWEST GUARDRATI SYSTEM THRIF BEAM TRANSITION (MGS)
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15D32-05 TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION 15D39-02 TRAFFIC CONTROL, DROP-OFF SIGNING 15D44-02 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES	15D30-06C	TRAFFIC CONTROL. PEDESTRIAN ACCOMMODATION
15D39-02 TRAFFIC CONTROL, DROP-OFF SIGNING 15D44-02 TRAFFIC CONTROL SIGNING ON ROADWAYS WITH MILLED SURFACES	15D32-05	TRAFFIC CONTROL. ONE LANE ROAD STOP CONDITION
15044-02 TRAFETC CONTROL STGTING ON ROADWAYS WITH MILLED SURFACES	15D39-02	TRAFFIC CONTROL. DROP-OFF SIGNING
	15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

UNDIVIDED ROAD OPEN TO TRAFFIC

![](_page_51_Figure_0.jpeg)

**SDD 08D01** 22a

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DEPARTMENT OF TRANSPORTATION

22 . **08D01** SDD

![](_page_52_Figure_0.jpeg)

**SDD 08D01 22b** 

![](_page_53_Figure_0.jpeg)

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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.

![](_page_53_Figure_10.jpeg)

![](_page_53_Figure_11.jpeg)

![](_page_53_Figure_12.jpeg)

## SILT FENCE TIE BACK (WHEN REQUIRED BY THE ENGINEER)

SILT FENCE ဖ 6 STATE OF WISCONSIN ш DEPARTMENT OF TRANSPORTATION ω APPROVED Δ 4-29-05 /S/ Beth Cannestra DATE CHIEF ROADWAY DEVELOPMENT ENGINEER Δ FHWA ഗ

![](_page_54_Figure_0.jpeg)

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![](_page_55_Figure_0.jpeg)

END VIEW

![](_page_55_Figure_2.jpeg)

SIDE VIEW

**CULVERT PIPE CHECK** (INSTALL ON INLET END ONLY)

SDD 08E15 2

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# SDD 08E15-01

# **CULVERT PIPE CHECK**

### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2019 DATE

/S/ Daniel Schave EROSION CONTROL ENGINEER

FHWA

![](_page_56_Figure_0.jpeg)

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![](_page_56_Figure_3.jpeg)

# 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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![](_page_57_Figure_0.jpeg)

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	30	36	22	31/2	91/2	50	46	96	60	3 to 1
	36	44	27	4	111/8	60	36	96	72	3 to 1
•	42	51	31	41/2	15 <sup>13</sup> /16	60	36	96	78	3 to 1
•	48	58	36	5	21	60	36	96	84	3 + 0 1
•	54	65	40	51/2	251/2	60	36	96	90	3 to 1
с.	60	73	45	6	31	60	36	96	96	3 to 1
с.	72	88	54	7	31	60	39	99	120	2 to 1
с.	84	102	62	8	281/2	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE										
EOUIV.		DIMENSIONS (Inches)								
DIA. (Inches)	** SPAN	** RISE	Т	A	В	с	D	E	SLOPE	
24	30	19	31/4	81/2	39	33	72	48	3 to 1	
30	38	24	3¾	91/2	54	18	72	60	3 to 1	
36	45	29	41/2	111/8	60	24	84	72	2 <sup>1</sup> /2 <sup>+</sup> 0 1	
42	53	34	5	153⁄4	60	36	96	78	21/2+0 1	
48	60	38	51/2	21	60	36	96	84	21/2+0 1	
54	68	43	6	251/2	60	36	96	90	21/2 to 1	
60	76	48	61/2	30	60	36	96	96	2 <sup>1</sup> / <sub>2</sub> †o 1	
<u>* *</u>	* *									

\*NOMINAL SIZE

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH 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 ARCH 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 77" X 52" THROUGH 112" X 75" 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.

(1) FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

## APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 11/30/94 DATE FHWA

/S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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![](_page_58_Figure_0.jpeg)

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![](_page_59_Figure_0.jpeg)

**SDD 13A11** 03a

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![](_page_59_Figure_3.jpeg)

DEPARTMENT OF TRANSPORTATION

3

![](_page_60_Figure_0.jpeg)

SDD 13A11 -**03b** 

![](_page_61_Figure_0.jpeg)

![](_page_62_Figure_0.jpeg)

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![](_page_63_Figure_0.jpeg)

**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 RECESSED (DR) HEAVY HEX NUT.

![](_page_63_Figure_10.jpeg)

## SECTION THRU W-BEAM RAIL

# 07b . N 4 à 4 ~ SDD

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

![](_page_64_Figure_0.jpeg)

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

![](_page_65_Figure_0.jpeg)

**SDD 14B42** 07d

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

![](_page_66_Figure_1.jpeg)

1'-0" BACK -

OF POST

FROM BACK

OF STRUCTURE

SEE POST PLACEMENT

\_\_\_\_

DETAIL

SHOULDER

HINGE POINT

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- SEE POST PLACEMENT DETAIL

(4)

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# **GENERAL NOTES**

POSTS 1 THROUGH 3 ARE CRT POSTS. ALL OTHER POSTS SHALL BE WOOD OR STEEL.

SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.

![](_page_66_Figure_10.jpeg)

# MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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![](_page_67_Figure_0.jpeg)

![](_page_68_Figure_0.jpeg)

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## **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 ½" 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.

![](_page_69_Picture_12.jpeg)

![](_page_69_Figure_13.jpeg)

![](_page_69_Figure_14.jpeg)

![](_page_69_Figure_15.jpeg)

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

![](_page_69_Figure_17.jpeg)

![](_page_69_Figure_18.jpeg)

![](_page_69_Figure_20.jpeg)

![](_page_70_Figure_0.jpeg)

SDD 14B44 - 04b

6

# BILL OF MATERIALS

I SEE	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. E MANUGACTURER'S DETAILS FOR MORE INFORMATION.
UPPE	R POST NO. 1 6" X 6" TUBE
LOWE	ER POST NO. 1
woo	D CRT
woo	D BLOCKOUT
PIPE	SLEEVE
BEAR	RING PLATE
BCT C	CABLE ASSEMBLY
ANCH	IOR CABLE BOX
GROU	JND STRUT
PERF	ORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
STAN SECT	DARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. IONS VARY IN LENGTH.
IMPA	CT HEAD
EAT N (SEE	/ARKER POST - YELLOW APPROVED PRODUCTS LIST)
SOIL	PLATE
UPPE	R POST NO. 2
LOWE	ER POST NO. 2

6

# SDD14B44 - 04b

# MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

![](_page_71_Figure_0.jpeg)

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



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DETAILS.ADJUST THE POSTION OF CONNECTIONS TO TUAL BRIDGE AND SITE DIMENSIONS.
DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
ν ± 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 D 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 $\frac{1}{2}$ ".
HE BEAM MINAL NECTOR HEAD HER 2.) TIC SIDE OF BARRIER

MIDWES Thrie B	ST GUARDRAIL SYSTEM EAM TRANSITION (MGS)	45-5d
DEPART	STATE OF WISCONSIN MENT OF TRANSPORTATION	4 B
APPROVED 07/2018 DATE FHWA	/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR	S.D.D. 1

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".

PLATE WASHER (TYP.)

NUT (TYP.)

(TYP.)

WASHER

- (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.

THRIE BEAM

CONNECTOR

TERMINAL

-BOLT HEAD

(TYP.)

WASHER

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MIDWE Thrie I	ST GUARDRAIL SYSTEM Beam transition (MGS)	45-59
ç	STATE OF WISCONSIN	В
DEPART	MENT OF TRANSPORTATION	14
APPROVED 07/2018	/S/ Rodney Taylor	D
DATE	ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR	þ

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WELDING INSTRUCTION (VIEWED FROM BACK SIDE OF PLATE)

203/8"

20"

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	B	20" × 20" × 28%6"	3⁄16''
P3	1	B A	39" × 35⁄8" × 20" × 195⁄16"	3⁄16''
S1	4	B	187/16" × 35/8" × 183/4"	1/4"
S2	1	B C D	$10^{1}/_{4}$ " × 2 $^{7}/_{16}$ " × $10^{3}/_{8}$ " × $^{1}/_{2}$ "	1/4"
S3	1	B₽₽	3" × 11/16" × 31/8" × 1/2"	1/4"
S4	1	В	6 <sup>1</sup> /8" × 2 <sup>7</sup> /16"	1/4"
S5	1	в 📥	6 <sup>1</sup> / <sub>8</sub> " × 1 <sup>1</sup> / <sub>16</sub> "	1/4"
S6	1	в 📥	7¾" × 1¾"	1/4"
S7	1	A₽C	2 <sup>9</sup> /16" × 6" × 3 <sup>5</sup> /8" × 5 <sup>7</sup> /8"	1/4"
S8	1	٩₽c	$1^{5}/_{32}$ " × $7^{1}/_{2}$ " × $2^{1}/_{2}$ " × $7^{3}/_{8}$ "	1/4"
S9	1	C B	$6^{1}/_{16}$ " × $6^{3}/_{16}$ " × $1^{3}/_{32}$ "	1/4"
S10	1	A₽C	1 <sup>7</sup> / <sub>8</sub> " × 9 <sup>7</sup> / <sub>8</sub> " × 3 <sup>5</sup> / <sub>8</sub> " × 9 <sup>11</sup> / <sub>16</sub> "	1/4"
S11	1	C A	8 <sup>1</sup> / <sub>2</sub> " × 8 <sup>3</sup> / <sub>4</sub> " × 1 <sup>1</sup> <sup>3</sup> / <sub>16</sub> "	1/4"







(S2

(P3)-

### PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

-(P1)

(S6)

(S1)

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(S1)

(s7)

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### **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

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





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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



(4) TOLERANCE FOR TOP OF BEAM IS  $\pm$  1".

### ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



### ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

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### 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

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(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

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FLEXIBLE MARKER POST

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## FOR CULVERT END

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION







FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SUPPORTS.

FULL ROAD CLOSURES.

THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

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

  - D1 X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
  - R1 1 SHALL BE 36" X 36"
- (1)TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING
- (2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE SIGNS AS SHOWN.
- (7)"EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.





AS APPROVED BY THE ENGINEER.

NEEDED AND AS APPROVED BY THE ENGINEER.

SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30". R11-4 AND R11-3 SHALL BE 60" X 30".

★★ 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

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WORK ZONE ENGINEER

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July 2018 DATE



SDD **15C04** 05



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

**SDD 15C05 - 05** 







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**TEMPORARY PAVEMENT MARKING** 



**TWO WAY TRAFFIC** 



**ONE WAY TRAFFIC** 





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### **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

DIRECTION OF TRAFFIC

' BLACK CONTRAST		
– ½" MAX. GROOVE ' BLACK CONTRAST	JOINT LINE	

### LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED February 2020 DATE

/S/ Matthew Rauch STATEWIDE SIGNING AND MARKING ENGINEER

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MINOR CROSS STREET

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MINOR CROSS STREET

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LANE LINES (YELLOW)

- LANE LINE (WHITE)

- SURFACED SHOULDER

- EDGE LINE (YELLOW)

- EDGE LINE (WHITE)

\_\_\_\_\_

(1) ARROW, TYPE 2 \_\_\_\_\_

\_\_\_\_

TWO WAY LEFT TURN LANE

(WHITE)

16'

- 4" DOUBLE YELLOW

4" DOUBLE YELLOW

\_\_\_\_\_

20'-50' MAX.

(2)

CROSS STREET

3

20'



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

2 8" WHITE

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

### **GENERAL NOTES**

DIRECTION OF TRAFFIC



# - 20b **SDD15C08**

### **PAVEMENT MARKING** (TURN LANES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





- SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.
- DIRECTION OF TRAFFIC
  - = LENGTH OF TURN BAY



20

L = 48 - 87'



DISTANCE

VARIES

**SDD 15C08** . 20c

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(2) QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL

### **PAVEMENT MARKING** (TURN LANES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

- (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



SDD 15C12 -



**SDD 15C19** . 0 **6**a



SDD 15C33 - 04



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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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 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.















**SDD 15D30** 06c

6

November 2019 DATE

WORK ZONE ENGINEER

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SD Ū 15032 0



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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.

### LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

F







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

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



7



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



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
<i>+or</i> State Traffic Engineer
DATE <u>4/1/202</u> 0 plate no. <u>44-8.9</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.

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	APPROVE	D		nester .	Γź	Spang	
			tor	State Tr	affic E	ngineer	
	DATE 3	/27/9	<u>17</u>	PLA	TE N	D. <u>44-11</u>	2
				SHEET	N0:		E
OT SCALE	E:6.20 <b>7</b> 33	8:1.0000	000	WISD	от/с	ADDS SHE	ET 42



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PLOT NAME :

#### GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.

three bracket bands installed. Signs less than 3 feet in height shall have two bracket

a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

<b>T</b>	<u>SEE DETAIL B</u>
	STANDARD SIGN
	SIGN BANDING DETAILS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthe R Rauch For State Traffic Engineer
	DATE 6/10/19 PLATE NO. 45-9.4
	SHEET NO: E
PLOT	SCALE: \$\$plotscale\$\$ WISDOT/CADDS SHEET 42



# GENERAL NOTES

- WISDOT STANDARD SPECIFICATIONS
- AND 0.025" THICKNESS
- 9 S.F. 3 FASTENERS SHALL BE USED.
- with ASTM Designation: A 153, Class D
  - b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE 11/4" O.D. X 3/8" I.D. X 1/16"
- OR TYPE F FACE SIGN

 $\rightarrow$  LAG BOLTS SHALL BE  $\frac{3}{8}$ " X 2<sup>1</sup>/<sub>2</sub>"

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A510.dgn

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1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE

2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL,  $\frac{3}{4}$ " WIDTH

3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER: a. Hot dip or mechanically galvanized in accordance 8. NYLON WASHERS SHALL BE  $1^{1}/_{4}$ " O.D. X  $\frac{3}{8}$ " I.D. X .080 FOR TYPE H

_	
	BLOCK BANDING DETAIL ( V-BLOCK OPTION )
	WISCONSIN DEPT OF TRANSPORTATION
-	APPROVED Matther R Rauch
	<i>for</i> State Traffic Engineer
	DATE <u>6/10/19</u> PLATE NO. <u>45-10.2</u>
	SHEET NO: E
	I

WISDOT/CADDS SHEET 42

NOTES Background - Orange Message – Black spacing to achieve proper balance.

1. Sign is Type II - Type F Reflective 2. Color: 3. Message Series - D 4. Substitute appropriate numeral and adjust



G20-57

7

SIZE	A	В	С	D	E	F	G	н	I	J	К	L	М	Ν	0	Р	Q	R	S	Т	U	V	W	X	Y	Z
1																										
2																										
3	72	36	1 1/8	1/2	5⁄8	6	5	4	15 <sup>5</sup> ⁄8	1 5/8	5	9 1/4	21 1/4	3 1/ <sub>2</sub>	1 1/2	23 1/4		29 7/8	3 1 3/4	3 1/4	28 1/ <sub>2</sub>					
4	96	48	2 1/4	3⁄4	1	8	6 1/2	5 ½	20 5/8	2 1/4	6	12 1/4	28 1/4	4 3⁄8	1 5⁄8	31		39 1/2	2	4	37 7/8					
5																										
PR	DJEC	T NO	o o					Н	WY:					COUN	NTY:											
FILE	NAME :	C:\CAEf	iles\Pro	ojects∖	tr_stdp	late_G2	2057.dgn	•									PLOT DA	TE : 22-J	AN-2019	1:46	PLOT	BY : msc	cj9h		PLOT NAM	4E :

Area sq. ft.		STAI		) SIGN	
		WISCONSIN		JI TRANSPORTATION	/
18.0 32.0		APPROVED /	Matther For State T	R Rauch	_
		DATE <u>1/22/1</u>	<u>9</u> PL	ATE NO. <u>G20-57</u>	<u>.3</u>
			SHEET	NO:	Ε
	PLOT SCALE :	\$\$plotscale	••••** wise	OT/CADDS SHEE	T 42



### NOTES

 Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
 Color: Background - White Message - Black
 Message Series - C
 Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
 Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

Z	Area sq. ft.	STA		) SIGN	
			R9 -	9	
	2.0	WICCONCIN			
	2.0	ADDDOVED	DEFIOR		//v
	3.75	APPROVED Z	Natther	R Rain	6
			for State Tr	affic Engineer	
		DATE <u>8/11/1</u>	<u>6</u> PL	ATE NO	9.6
			SHEET	NO:	E

														$\begin{array}{c} \bullet \\ F \\ F \\ \bullet \\ F$				V W20-1H						
						W20	-1A									•	- I ——	₩20-1	r IS B	◀─── ⊺ -				_
size 1 2S 2M 3	A         B           36         -           48         -           48         -           48         -           48         -	C 1 5/8 2 1/4 2 1/4 2 1/4	D 5/8 3/4 3/4 3/4 3/4	E 31/4 1 1 1	F 5 8 8 8	$ \begin{array}{c c} G \\ 2 & 5/8 \\ 3 & 3/4 \\ 3 & 3/4 \\ 3 & 3/4 \\ 3 & 3/4 \end{array} $	H 3 1/4 10 5 1/8 19 5 1/8 19 5 1/8 19	I D 1/8 5 3/8 5 3/8 5 3/8 5 3/8	J 7 11 <sup>1</sup> /8 11 <sup>1</sup> /8 11 <sup>1</sup> /8	к 7 5/8 12 1/8 12 1/8 12 1/8	L 8 7/8 14 3/8 14 3/8 14 3/8	M 1 <sup>1</sup> /8 1 <sup>5</sup> /8 1 <sup>5</sup> /8 1 <sup>5</sup> /8	N 4 1/2 6 7/8 6 7/8 6 7/8	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	P 9 13 7 13 7 13 7	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	R 2 1/2 3 7/8 3 7/8 3 7/8 3 7/8	S 2 1/4 3 3 3 3	T 5 5/8 8 5/8 8 5/8 8 5/8	U 9 13 <sup>3</sup> ⁄ <sub>4</sub> 13 <sup>3</sup> ⁄ <sub>4</sub> 13 <sup>3</sup> ⁄ <sub>4</sub>	v 1 <sup>3</sup> / <sub>8</sub> 2 <sup>1</sup> / <sub>8</sub> 2 <sup>1</sup> / <sub>8</sub> 2 <sup>1</sup> / <sub>8</sub>	W           8           11         7/8           11         7/8           11         7/8		Y 10 3/4 16 3/8 16 3/8 16 3/8
4	48	2 1/4	5/4	1	8	3 3/4	5 1/8 11	5 3/4	11 <sup>1</sup> /8	12 <sup>1</sup> / <sub>8</sub>	14 🔏	1 1 1/2	6 ¼	$15\frac{3}{8}$	13 7	'al 4 <sup>3</sup> /a	3 %	3	8 1/8	13 3/4	$2 \frac{1}{8}$	11 7/2	2 3/1	16 3/2

3 3/4 5 1/8 15 3/8 11 1/8 12 1/8 14 3/8 1 5/8 6 7/8 5 3/8 13 7/8 4 3/8 3 7/8

PROJECT	NO:
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48

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FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W201.DGN

2 1/4

3/4

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PLOT BY : dotc4c

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8 5/8 13 3/4 2 1/8





- 2. Color:

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V

- Background Orange Message - Black

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W

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PROJECT NO:	HWY:	COUNTY:		
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN		PLOT DATE : 28-FEB-2014 11:	35 PLOT BY : msc i9h	PLOT NAME

## NOTES

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

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

4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

		STANDARD SIGN
Z	Area sq. ft.	$W \cap 1 = A$
	9.0	WOI-4
	16.0	WISCONSIN DEPT OF TRANSPORTATION
	16.0	
	16.0	Matther & Rauch
	16.0	$f_{or}$ State Traffic Engineer
	16.0	DATE <u>11/18/1</u> 3 plate no. <u>W01-4.1</u>
		SHEET NO: E

WISDOT/CADDS SHEET 42



# NOTES

- 2. Color:
  - Background Orange Message – Black

		-									-																
SIZE	А	В	С	D	E	F	G	н	I	J	К	L	М	N	0	P	۵	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft
1	36		1 5⁄8	5⁄8	3⁄4	14 1/2		11 7⁄8	4 <sup>1</sup> /4	7 5/8																	9.0
25	48		2 1/4	3⁄4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.C
2M	48		2 1/4	3⁄4	1	19 3/8		15 3⁄4	5 5/8	10 1/4																	16.C
3	48		2 1/4	3⁄4	1	19 3/8		15 3⁄4	5 %	10 1/4																	16.0
4	48		2 1/4	3⁄4	1	19 3/8		15 3⁄4	5 5/8	10 1/4																	16.0
5																											
PRC	JECT	NO:						HWY:					(	COUNT	Y:												
FILE	IAME : C	:\CAEFi.	les\Pro je	cts\tr_s	tdplate\	W0112.DGN	1						1			Р	LOT DATE	: 08-AP	RIL-2020	1	PLOT	BY : do	tc4c		PLOT N	NAME :	

1. Sign is Type II - Type F Reflective

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.

	STANDARD SIGN
·	W011-2
)	WISCONSIN DEPT OF TRANSPORTATION
)	APPROVED Matther R Rauch
1	
	DATE <u>4/8/2020</u> PLATE NO. <u>WO11-2.1</u>
	SHEET NO: E

## NOTES

- 1. Sign is Type II Type F Reflective
- 2. Color: Background - Orange Message – Black
- 4. W016-7R is the same as W016-L the vertical centerline.





SIZE	А	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y
1	30	18	1 1/8	3⁄8	1/2	4 <sup>1</sup> / <sub>2</sub>	30°	8 1/2	6	5⁄8	10 1/4														
2S	48	24	1 3⁄8	1/2	5⁄8	6	30°	11 1/2	8	1	14														
2M	48	24	1 3⁄8	1/2	5⁄8	6	30°	11 1/2	8	1	14														
3	48	24	1 3/8	1/2	5⁄8	6	30°	11 1/2	8	1	14														
4	48	24	1 3/8	1/2	5⁄8	6	30°	11 1/2	8	1	14														
5	48	24	1 3/8	1/2	5⁄8	6	30°	11 1/2	8	1	14														
PROJECT NO: HWY: COUNTY:																									

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W0167.dgn

3. Corners may be square or rounded but corners shall be rounded when base material is metal. except the arrow is reversed along

Z	Area sq. ft. 3.75	STANDARD SIGN W016-7
	8.0	WISCONSIN DEPT OF TRANSPORTATION
	8.0	$\Delta PPROVED = 1/a \qquad (A = 1/a)$
	8.0	Matther & Rauch
	8.0	For State Traffic Engineer
	8.0	DATE <u>3/16/2021</u> PLATE NO. <u>W016-7.2</u>
		SHEET NO: E



5 5⁄8 6 1/8 35 3/4 48 24  $1\frac{3}{8}$  $\frac{1}{2}$ 10 7 PROJECT NO: HWY: COUNTY: FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W0169P.dgn PLOT DATE : 1-MAY 2019 4:33 PLOT BY : mscj9h

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PLOT NAME :

48

24

NOTES

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

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

Z	Area sq. ft.	]	STANDARD SIGN							
	3.75	-	W016-9P							
	8.0		WO10 51							
	8.0		WISCONSIN DEPT OF TRANSPORTATION							
	8.0		APPROVED Matthew & Paulo							
	8.0		$f_{or}$ State Traffic Engineer							
	8.0		DATE <u>5/1/19</u> PLATE NO. <u>W016-9P.</u> 7							
			SHEET NO: E							
	PLOT SCALE : \$\$plotscale\$\$ WISDOT/CADDS SHEET 42									



























# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

