1						
LAX	APRIL 2022 ORDER OF SHEETS		STATE OF WISCONSIN	STATE PROJECT	PROJECT	CONTRACT
PRO, WITH:	Section No. 1 Title Section No. 2 Typical Sections and Details (I	Includes Frosion Control Plan)		5865-02-65	WISC 2022291	1
	Section No. 3 Estimate of Quantities Section No. 3 Miscellaneous Quantities					
Đ	Section No. 5 Right of Way Plat Section No. 5 Plan and Profile		PLAN OF PROPOSED IMPROVEMENT			
СЛ	Section No. 6 Standard Detail Drawings					
80	Section No. 7 Sign Flates Section No. 8 Structure Plans		STODDARD - COON VALLEY			
Сі	Section No. 0 Cross Soctions		CTH KK TO USH 14			
02	TOTAL SHEETS = 46		STH 162			
-6			VERNON COUNTY			
S	MA		STATE PROJECT NUMBER			
			5865-02-65 END PRO	JECT		
		N	STA. 234+	+57.54		
		Î	TOWN OF GREENFIELD C TOWN OF WASHINGTON			
			MM ST RD RR RD G Z		ORIGINAL PLANS PREPAREI	D BY
		<u>LA CROSSE COUNTY</u>				
		VERNON COUNTY	T-14-N Sunshing of the state of		associates engineer	nrs, inc
	•				Engineers - Architects - S	lurveyors
			WERLING LN 52 T		COAL	14.
	A.A.D.T. (2022) = 990 A.A.D.T. (2042) = 990 D.H.V. = 90	BEGIN PROJECT			DANIELJ	Nº4
ç	D.D. = 60/40 T. = 15 %	SIA. 10+00 Y = 186,775.47 Y = 648.607.72			TRACY	
JNTY:	ESALS = 350,000	x - 040,007.72			RO MUSCODA	Hi i
					WI EN	JE III
E	CONVENTIONAL SYMBOLS	PROFILE	LUETKE ALL AND		Dan JAge	e M
P		GRADE LINE			10/25/201	
ō	LOT LINE	MARSH OR ROCK PROFILE <u>ROCK</u> (To be noted as such)			. , ,	
Z	LIMITED HIGHWAY EASEMENT L	SPECIAL DITCH — LOLL — — — — — — — — — — — — — — — —	T-13-N $\begin{bmatrix} 2 \\ -1 \end{bmatrix} \begin{bmatrix} $		STATE OF WISCON	ISIN
	PROPOSED OR NEW R/W LINE	CULVERT (Profile View)				ORTATION
	REFERENCE LINE	UTILITIES ELECTRIC — E ——			Surveyor JEWELL ASSOCIATES	ES ENGINEERS, INC.
	EXISTING CULVERT	FIBER OPTIC — FO — GAS — G — G			Project Manager JOHN BAIN Regional Examiner SW RE	NTER, P.E.
		SANITARY SEWER SAN STORM SEWER SS	교 교 교 교 교 교 교 교 교 교 교 교 교 교 교 교 교 교 교	RDINATES, VERNON	Regional Supervisor JAMES SAVO	JLDELLI, P.E.
		TELEPHONE T WATER W	U 2 MI COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES SCALE AND GRID DISTANCES. GRID DISTANCE MAY BE USED AS GROUND DISTANCES.	5, GRID BEARINGS,	APPROVED FOR THE DEPARTMENT	RL
		UTILITY PEDESTAL X	TOTAL NET LENGTH OF CENTERLINE = 4.253 MIELEVATION SHOWN ON THIS PLAN ARE REFERENCE TO THE NORTH AMERICAN 1988, NAVD88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.	VERTICAL DATUM OF	DATE: 10/13/2021 MV (Signat	.ture)
	WOODED OR SHRUB AREA	TELEPHONE POLE Ø				E

FILE NAME : S:\PROJECTS\W11629 WISDOT - STH 162 VERNON CO\SHEETSPLAN\58650035_TITLE SHEET.DWG

LAX

PLOT BY : CODY KINTZ



GENERAL NOTES

EXISTING SHOULDER AGGREGATE SHALL BE INCORPORATED INTO THE NEW SHOULDERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN THE FIELD.

WHEN THE QUANTITY OF THE ITEM OF BASE AGGREGATE DENSE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD.

REMOVAL OF ASPHALTIC SURFACES WHERE AN ABUTTING ASPHALTIC SURFACE IS TO REMAIN IN PLACE SHALL REQUIRE A VERTICAL EDGE MEETING THE APPROVAL OF THE ENGINEER IN THE FIELD.

HMA PAVEMENT QUANTITIES WERE CALCULATED USING 112 LB/SY/IN.

2-INCHES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH A SINGLE 2-INCH LAYER OF HMA PAVEMENT 4 LT 58-28 S.

PAVING LIMITS AT INTERSECTIONS ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE EXACT LOCATIONS AND LIMITS OF PRIVATE ENTRANCES, COMMERCIAL, AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

IF CONTRACTOR ELECTS TO USE SAWCUTS WHERE REMOVING ASPHALTIC SURFACE BUTT JOINTS IS REQUIRED, IT IS INCIDENTAL TO REMOVING ASPHALTIC SURFACE BUTT JOINTS ITEM.

APPLY TACK COAT TO MILLED SURFACE PRIOR TO PLACEMENT OF HMA PAVEMENT AT A RATE OF 0.07 GAL/SY.

THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS THE SUPERELEVATION WHEN THE SUPERELEVATION IS GREATER THAN 0.04 FT./FT. IF THE SUPERELEVATION IS LESS THAN OR EQUALS 0.04 FT./FT., THEN THE LOW SIDE SHOULDER SLOPE IS 0.04 FT./FT. THE HIGH SIDE SHOULDER SLOPE ON THE SUPERELEVATED SECTION EQUALS THE SUPERELEVATION.

CURVE DATA IS BASED ON THE ARC DEFINITION.

2

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO "DIGGERS HOTLINE" AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

IF THERE ARE UTILITY CONFLICTS WITH SIGNS OR OTHER WORK UNDER THIS PROJECT, THE CONTRACTOR WILL WORK AROUND THE UTILITY FACILITIES.

CO	NTACTS		
WISCONSIN DEPARTMENT OF TRANSPORTATION WisDOT PROJECT MANAGER 3550 MORMON COULEE ROAD LA CROSSE, WI 54601 ATTN: JOHN BAINTER, P.E. PH: (608) 785-9729 CELL: (608) 518-0033 EMAIL: John.bainter@dot.wi.gov	N: JEWELL ASSOCIATES ENGINEERS, INC. 560 SUNRISE DRIVE SPRING GREEN, WI 53588 ATTN: DAN TRACY, P.E. PH: (608) 604-6905 EMAIL: dan.tracy@jewellassoc.com WDNR LIAISON: STATE OF WISCONSIN DNR SERVICE CENTER 3550 MORMON COULEE ROAD LA CROSSE, WI 54601 ATTN: KAREN KALVELAGE PH: (608) 406-7880 EMAIL: Karen.Kalvelage@wisconsin.gov	ABUT AC AGG AH < ASPH AVG ADT BAD BK BF BM BF BM BR C or C/L CC CC C.E. CTH CR CR	Abutment Acre Aggregate Ahead Angle Asphaltic Average Daily Base Aggregat Back Back Face Bench Mark Bridge Center Line Center to Cent County Trunk I Creek Crushed
UT	ILITIES	CP C&G D	Culvert Pipe Curb and Gutt Degree of Curv
COMMUNICATION LINE COON VALLEY FARMERS TELEPHONE CO. ATTN: TRAVIS FRONK 105 CENTRAL AVE COON VALLEY, WI 54623 CELL: (608) 452-3101	ELECTRICITY XCEL ENERGY ATTN: JOE MOEN 3215 COMMERCE ST LA CROSSE, WI 54603 CELL: (715) 566-2495	DHV DIA E X ELEC EL or ELEV ESALS	Design Hour V Diameter East East Grid Coor Electric (al) Elevation Equivalent Sinj

ELECTRICITY - TRANSMISSION XCEL ENERGY ATTN: MITCHELL DIENGER 414 NICOLLET MALL, 5TH FLOOR MINNEAPOLIS, MN 55401 OFFICE: (612) 321-3109 EMAIL: mitchell.a.dienger@xcelenergy.com

EMAIL: joe.j.moen@xcelenergy.com

ABUT	Abutment	INV	Invert	RDWA	Roadway
AC	Acre	IP	Iron Pipe or Pin	SALV	Salvaged
AGG	Aggregate	IRS	Iron Rod Set		Salvageu
AH	Ahead	Л	loint	SANS	Soction
<	Angle	ICT	lunction		Shoulder
ASPH	Asphaltic	I HE	Left-Hand Forward	SHLUK	Shoulder
AVG	Average	1	Length of Curve	SHK	Shrinkage
ADT	Average Daily Traffic		Linear Foot	SW	Sidewalk
BAD	Base Aggregate Dense	orlE	Linearroot	S	South
BK	Back		Long Chard of Curvo	SQ	Square
BE	Back Face		Manholo	SF or SQ FI	Square Feet
BM	Bench Mark	MB	Mailbox	SY or SQ YD	Square Yard
BR	Bridge	ML or M/I	Match Line	SID	Standard
C ar C/I	Contor Line		North	SDD	Standard Detail Drawings
	Center Line	N V	North Grid Coordinate	STH	State Trunk Highways
	Center to Center		Outside Diameter	STA	Station
C.E.	Commercial Entrance	PLF	Permanent Limited	SS	Storm Sewer
CIH	County Trunk Highway		Easement	SG	Subgrade
CR	Creek	PT	Point	SE	Superelevation
CR	Crushed	PC	Point of Curvature	SL or S/L	Survey Line
CY or CU YD	Cubic Yard	PI	Point of Intersection	SV	Septic Vent
CP	Culvert Pipe	PRC	Point of Reverse	Т	Tangent
C & G	Curb and Gutter		Curvature	TEL	Telephone
D	Degree of Curve	PT	Point of Tangency	TEMP	Temporary
DHV	Design Hour Volume	POC	Point On Curve	TI	Temporary Interest
DIA	Diameter	POT	Point on Tangent	TLE	Temporary Limited
E	East	PVC	Polyvinyl Chloride		Easement
Х	East Grid Coordinate	PCC	Portland Cement	t	Ton
ELEC	Electric (al)		Concrete	T or TN	Town
EL or ELEV	Elevation	LB	Pound Doundo Dor Squaro Inch	TRANS	Transition
ESALS	Equivalent Single Axle	P51	Pounds Per Square Inch	TL or T/L	Transit Line
500	Loads	P.E.	Private Entrance	т	Trucks (percent of)
EBS	Excavation Below	RR	Railroad	ТҮР	Typical
FF	Subgraue	R	Range	UNCL	Unclassified
FF	Field Entrance	RL or R/L	Reference Line	UG	Underground Cable
F.	Fill	RP	Reference Point	USH	United States Highway
FG	Finished Grade	RCCP	Reinforced Concrete	VAR	Variable
FL or F/I	Flow Line	neer	Culvert Pipe	V	Velocity or Design Speed
FT	Foot	REQD	Required	VFRT	Vertical
FTG	Footing	RES	Residence or Residential	VC	Vertical Curve
GN	Grid North	RW	Retaining Wall	VOI	Volume
	Hoight	RT	Right	WM	Water Main
CWT	Hundrodwoight	RHF	Right-Hand Forward	WV	Water Valve
	Hydrant	R/W	Right-of-Way	Ŵ	West
	Injut	RD	Boad	WB	Westbound
	Initel Inside Dismotor	D	River	YD	Yard
טו	inside Diameter	n			

- WRITTEN MATERIAL - PROJECT OVERVIEW - TYPICAL SECTIONS - CONSTRUCTION DETAILS - PLAN DETAILS

|--|

NO. STA. DESCR 1 3⁄4" I.R.S., 29.4 58+50 3⁄4" I.R.S., 33.9 2 110+70 3⁄4" I.R.S., 36.8 3 163+53 4 215+76 ³⁄₄" I.R.S., 30.0

PROJECT NO: 5865-02-65

COUNTY: VERNON

EMAIL: bradpeters@mwt.net

ATTN: TRAVIS FRONK

CELL: (608) 452-3101

ATTN: CRAIG EGGERT

COON VALLEY, WI 54623

EMAIL: bradpeters@mwt.net

MEDIACOM WISCONSIN, LLC.

1240 HIGHWAY 52 SOUTH

CHATFIELD, MN 55923 OFFICE: (563) 419-5160 EMAIL: ceggert@mediacomcc.com

105 CENTRAL AVE

COON VALLEY TELECOMMUNICATIONS INC.

GENERAL NOTES, UTILITIES, CONTACTS, & A

LIST OF STANDARD ABBREVIATIONS

ORDER OF SECTION 2 SHEETS:

ACONTROL POINTS

RIPTION	Y	х	Z
' LT.	188,920.01	652,884.15	697.39
' RT.	192,248.57	656,616.25	701.33
' RT.	195,100.10	660,917.72	732.25
' LT.	200,165.90	661,722.99	710.63

٩E	βB	R	E	V	IA	TI	0	NS
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1" = 1

PLOT SCALE :

SHEET

LAYOUT: LAYOUT1

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FILE NAME : S:\PROJECTS\W11629 WISDOT - STH 162 VERNON CO\SHEETSPLAN\DETAILS\W11629_OVERVIEW.DW

10/25/2021 3:16:12 PM





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PLOT DATE : 10/25/2021 3:16:21 PM PLOT BY : TRACY, DAN

PLOT SCALE : 1" = 1 LAYOUT : TYPICAL FINISHED SECTION





FILE NAME : S:\PROJECTS\W11629 WISDOT - STH 162 VERNON CO\SHEETSPLAN\DETAILS\W11629_CONSTRUCTION DETAILS.DWG

PLOT BY : TRACY, DAN

LAYOUT : PAVING SEQUENCE 2



FILE NAME : S:\PROJECTS\W11629 WISDOT - STH 162 VERNON CO\SHEETSPLAN\DETAILS\W11629_CONSTRUCTION DETAILS.DWG

PLOT DATE : 10/25/2021 3:16:36 PM

PLOT BY : TRACY, DAN



PLOT BY : TRACY, DAN

LAYOUT : SIDEROAD DETAIL - 1



LAYOUT : DRIVEWAY DETAIL - 1









Estimate Of Quantities

					5865-02-65	
Line	Item	Item Description	Unit	Total	Qty	
0002	204.0115	Removing Asphaltic Surface Butt Joints	SY	200.000	200.000	
0004	204.0120	Removing Asphaltic Surface Milling	SY	84,500.000	84,500.000	
0006	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 5865-02-65	LS	1.000	1.000	
8000	213.0100	Finishing Roadway (project) 01. 5865-02-65	EACH	1.000	1.000	
0010	305.0110	Base Aggregate Dense 3/4-Inch	TON	800.000	800.000	
0012	455.0605	Tack Coat	GAL	6,060.000	6,060.000	
0014	460.2000	Incentive Density HMA Pavement	DOL	6,240.000	6,240.000	
0016	460.5224	HMA Pavement 4 LT 58-28 S	TON	9,750.000	9,750.000	
018	465.0105	Asphaltic Surface	TON	210.000	210.000	
020	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	17,200.000	17,200.000	
0022	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5865-02-65	EACH	1.000	1.000	
0024	619.1000	Mobilization	EACH	1.000	1.000	
0026	624.0100	Water	MGAL	13.000	13.000	
0028	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	5.000	5.000	
0030	638.2102	Moving Signs Type II	EACH	5.000	5.000	
0032	638.3000	Removing Small Sign Supports	EACH	5.000	5.000	
034	642.5001	Field Office Type B	EACH	1.000	1.000	
0036	643.0300	Traffic Control Drums	DAY	250.000	250.000	
038	643.0900	Traffic Control Signs	DAY	2,115.000	2,115.000	
040	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000	
042	643.5000	Traffic Control	EACH	1.000	1.000	
0044	646.1020	Marking Line Epoxy 4-Inch	LF	48,000.000	48,000.000	
0046	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	33,200.000	33,200.000	
048	648.0100	Locating No-Passing Zones	MI	4.260	4.260	
0050	649.0105	Temporary Marking Line Paint 4-Inch	LF	31,550.000	31,550.000	
0052	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	31,550.000	31,550.000	
0054	650.8000	Construction Staking Resurfacing Reference	LF	22,460.000	22,460.000	
0056	650.9910	Construction Staking Supplemental Control (project) 01. 5865-02-65	LS	1.000	1.000	
058	690.0150	Sawing Asphalt	LF	270.000	270.000	
060	740.0440	Incentive IRI Ride	DOL	17,020.000	17,020.000	
0062	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	2,000.000	2,000.000	
0064	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000	
0066	SDV 0190	Special 01 Removing Distressed Pavement Milling	SY	1,800,000	1 800 000	

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22/01/2022 08:24:43

						HMA PAVEI	MENT				
	REMOVING ASPHALTIC SURFACE BUTT JOINTS 204.0115 STATION - STATION (SY)	STATION - STATION	TIC SURFACE MILLING 204.0120 DCATION (SY)			211.0100 455.0605 PREPARE FOUNDATION FOR ASPHALTIC	460.6224 HMA PAVEMENT	465.0105 S F DI ASPHALTIC P	SPV.0180.01 REMOVING ISTRESSED PAVEMENT		
3	10+00 - 70+00 MAINLINE/SIDEROADS 40 70+00 - 131+00 SIDEROADS 50 131+00 - 192+00 SIDEROADS 80 192+00 - 234+57.54 MAINLINE 30 TOTAL =	10+00 - 70+00 M 70+00 - 131+00 M 131+00 - 192+00 M 192+00 - 234+57.54 M	AINLINE 22500 AINLINE 22500 AINLINE 23000 AINLINE 16500 TOTAL = 84500		LOCATION 10+00 - 70+00 70+00 - 131+00 131+00 - 192+00 192+00 - 234+57.54 10+00 - 234+57.54	PAVING FACK COAT (LS) (GAL) - 1620 - 1600 - 1640 - 1200 1 -	(TON) 2600 2600 2650 1900	(TON) 70 40 40 60 -	(SY) 610 340 320 530		
					TOTALS =	1 6060	9750	210	1800		
	BASE AGGREGATE DENSE		ASPHALTIC RUMBLE	E STRIPS				PERM	ANENT SI	IGNING	
	305.0110 BASE AGGREGATE DENSE 3/4-INCH 10+00 - 70+00 10+00 - 131+00 MAINLINE 230 70+00 - 131+00 MAINLINE 192+00 - 234+57.54 MAINLINE 130 DRIVEWAYS 40 TOTAL =		TION - STATION LOCATION 0+00 - 70+00 MAINLINE 0+00 - 131+00 MAINLINE 1+00 - 192+00 MAINLINE +00 - 234+57.54 MAINLINE TOTAL =	465.0475 ASPHALTI CENTERLIN RUMBLE STF 2-LANE RUF (LF) 5200 4100 4100 3800	C NE RIPS AL	WATER 624.0100 STATION - STATION (MGAL) 10+00 - 70+00 4 70+00 - 131+00 4 131+00 - 192+00 3 192+00 - 234+57.54 2 TOTAL = 13		e POS 4 OCATION ISTRIBUTED TOTAL = USED IF NO PASSING	634.0618 STS WOOD 4X6-INCH 18 FT (EACH) 5 5 IG ZONES CH	638.2102 MOVING SIGNS TYPE II (EACH) 5 5 5 ANGE	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH) 5 5
	TRAFFIC CONTROL						CONSTRU	CTION STAKIN	IG		
	643.0300 643.0900 643.1050 SIGNS DRUMS SIGNS PCMS	643.5000 TRAFFIC CONTROL			ES 648.0100	STATION - STATION		650.8000 ONSTRUCTION STAK RESURFACING REFERENCE (LF)	KING CON SUF	650.9910 NSTRUCTION ST PPLEMENT CON (PROJECT) (LS)	TAKING JTROL
	LOCATION (DAY) (DAY) (DAY) PROJECT 250 1143 14 SIDEROADS - 972 - TOTALS = 250 2115 14	(EACH) 1 - 1 1 1	5865-02-65 10+00 - 234+57.54	4 MAINLINE TOTAL =	4.26	10+00 - 70+00 70+00 - 131+00 131+00 - 192+00 192+00 - 234+57.54 F	AAINLINE AAINLINE AAINLINE AAINLINE PROJECT	6000 6100 6100 4260 -		- - - 1	
╞							01ALS =	22460		1	
	646.102 MARKING EPOXY 4-	PAVEMENT MARKING 0 646.4520 LINE MARKING LINE SAME D/ NCH EPOXY 4-INCH	649.0105 AY TEMPORARY MARKING TEMI LINE PAINT 4-INCH LIN	649.0120 IPORARY MARKING NE EPOXY 4-INCH			SAWI	NG ASPHALT			
	YELLOW STATION - STATION LOCATION SOLID 10+00 - 70+00 MAINLINE - 70+00 - 131+00 MAINLINE - 131+00 - 192+00 MAINLINE - 192+00 - 234+57.54 MAINLINE - *UNDISTRIBUTED 3200	WHITE YELLOW YELLOW SOLID SOLID 12.5' SKIF (LF) (LF) (LF) 12000 7400 1200 12000 8500 500 12200 12200 0 8600 2600 800	YELLOW YELOW <	OW YELLOW ID 12.5' SKIPS F) (LF) 00 400 00 180 00 0 00 270 - -	_	<u>s</u>	<u>FATION - STATION</u> 10+00 - 70+00 70+00 - 131+00 131+00 - 192+00 92+00 - 234+57 54	E LOCATION DRIVEWAYS DRIVEWAYS DRIVEWAYS DRIVEWAYS	690.0150 SAWING ASPHALT (LF) 150 - 50 70		
		44800 30700 2500 33200 33200	<u>30700 850 3070</u> 31550	00 850 31550	-	-		TOTAL=	270		
	* ADDITIONAL QUANTITIY TO ALLOW FOR PAYMENT OF LOCA	TING NO PASSING ZONES MARKING F	BEYOND PROJECT LIMITS (USE ONLY IF N	NEEDED)							
╞	PROJECT NO: 5865-02-65 HWY: ST	⁻ H 162	COUNTY: VERNON			MISCELLANEOUS QUA	NTITIES		SI	HEET	
L	FILE NAME : S:\PROJECTS\W11629 WISDOT - STH 162 VERNON CO\SHEETSPLAN\DETAILS\W11629_MISC QUANTITIES.DWG		1	PLOT DATE : 1	/28/2022 3:03:20 PM	PLOT BY : TRACY, DAN	PLOT SCALE :	1" = 1'	I	LAYOUT: LAYOUT1	

PLOT BY : TRACY, DAN



Standard Detail Drawing List

08D21-01 08D22-01 DRIVEWAYS WITHOUT CURB & GUTTER DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL 13A11-03A 13A11-03B 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13C19-03 14B42-07A 14B42-07B HMA LONGITUDINAL JOINTS MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14B42-07C MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL 14B42-07D 14B42-07D 15C04-05 15C08-20A MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC LONGITUDINAL MARKING (MAINLINE) 15с11-09в CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS 15C12-07 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION 15C19-06A 15C35-04A 15D39-02 MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY PAVEMENT MARKING (INTERSECTIONS) TRAFFIC CONTROL, DROP-OFF SIGNING 15D44-02 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES





S.D.D. 8

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GENERAL NOTES

() DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.

6

DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED December, 2016 /S/ Rodney Taylor DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR D.D. 8 D 22

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SDD 13A11 03a

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DEPARTMENT OF TRANSPORTATION

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SDD 13A11 -**03b**





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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.



SECTION THRU W-BEAM RAIL

07b . N 4 à 4 ~ SDD

6

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



SDD 14B42 . 0 **n**



SDD 14B42 07d



SDD **15C04** 05







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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SDD

GENERAL NOTES

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





TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

★ IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

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

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CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2021 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER



SDD 15C12 -



SDD 15C19 . 0 **6**a





PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



. 02

GENERAL NOTES

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:		
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>

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GENERAL NOTES

- 1. Signs wider than 4 feet or larger than 20 sq.ft. shall be mounted on multiple posts. Refer to plate A4-4.
- 2. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 3. The height from ground level to the sign is 8'-3"± min. for the Overhead sign or other control device.
- 4. The height from ground level to the sign is 4'-3"± min. for the Post mounted sign.

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON MULTI USE PATHS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE <u>3/26/202</u> 0 PLATE NO. <u>A4-3S.2</u>
SHEET NO: E



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

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GENERAL NOTES

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

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

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

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

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

PLOT SCALE : 108.188297:1.000000

WISDOT/CADDS SHEET 42



3 fasteners.

Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either : a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3 b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3. Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely

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

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

ATTACHMENT OF SIGNS TO POSTS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
<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.

	4	X 6	5 W	00E) P0	ST			
		MOD	IF]	[CA	TION	S			
	WISCONSIN DEPT OF TRANSPORTATION								
	APPROVED J Spang								
			for s	tate Tra	ffic Enginee	er.			
	DATE 3	/27/9	7	PLAT	'E NO. <u>A</u>	4-11.2	_		
			SH	EET	N0:		Ε		
OT SCALE	E:6.20 7 33	8:1.0000	00	WISDO	T/CADDS	SHEE	т 42		



COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G201.DGN

HWY:

PROJECT NO:

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PLOT DATE : 14-MAR-2017 13:28

PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

NOTES

1. Sign is Type II - Type F Reflective

Background - Orange 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded. 5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

	ST	ANDAF	RD SIGN	
		G2	0-1	
_	WISCONS	IN DEPT O	F TRANSPORTATION	/
_	APPROVED	Matthe For Sto	te Traffic Engineer	_
	DATE <u>- 37 1</u>	4711	PLATE NO. 020-1	<u>.</u>
		SHEET	NO:	Ε

WISDOT/CADDS SHEET 42



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

7	Area	Area		S	FANDA F	RD SI	GN			
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	8.0	0.72		APPROVED	M.#	D	0 1			
	8.0	0.72		- Matther & Rauch						
	8.0	0.72		DATE <u>9/3</u>	0/09	PLATE NO.	<u> </u>	<u>.8</u>		
					SHEET	NO:		Ε		
	PLOT SCALE : 5.561773:1.000000 WISDOT/CADDS SHEET									



NOTES

- 2. Color:
 - Background White Message – Black



SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	м	N	0	Р	٥	R	S	Т	U	v	W	X	Y
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4	36		2 1/4			18	8 3⁄4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33									ſ
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PR	PROJECT NO: HWY: COUNTY:																								
FILE																									

ILE NAME : C:\CAEfiles\Projects\tr_stdplate\M16.DGN

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PLOT BY : \$\$...plotuser...\$\$ PLO

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1. Sign is Type II - Type H Reflective
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base
  material is plywood but borders shall be rounded
  as shown. When base material is metal, the
  corners and borders shall be rounded.
```

Z Årea sq. ft.		STATE M1-6 F	ROUTE MARI For Assembl	KER _IES					
4.0		WISCONSIN	DEPT OF TRANSPORT.	ATION					
9.0		APPROVED	Matthe P R.	l					
9.0			f_{or} State Traffic Engineer	un_					
9.0	J	DATE <u>3/16/</u>	<u>18</u> PLATE NO. <u>M1</u>	-6.10					
			SHEET NO:	E					
PLO	PLOT SCALE : 6.655277:1.000000 WISDOT / CADDS SHEET 42								











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- 1. All Signs Type I 2. Color:
 - Background -Message - Se
- 3. Message Series
- 4. Corners may be material is plyw as shown. When corners and bo
- 5. M3-1 thru M3-4

MB3-1 thru MB3.

- MK3-1 thru MK3-
- MM3-1 thru MM3-
- MN3-1 thru MN3.
- MP3-1 thru MP3
- 6. Note the first than the remai

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PLAT DATE . 01-DEC-2015 17.54 PLOT BY . \$\$ DIOTUSER \$\$ PLOT NAME :

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<u>TES</u> II - Type H
See note 5 ee note 5 - C
yood but borders shall be rounded base material is metal, the prders shall be rounded.
Background - White Message - Black -4 Background - Blue Message - White
-4 Background - Green Message - White -4 Background - White Message - Green
-4 Background - Brown Message - White -4 Background - White
Message - Blue letter of each direction is larger inder of the message.

		STANDARD SIGNS
Z	Area sq. ft.	M3-1thur M3-4
		SERIES
	2.00	WISCONSIN DEPT OF TRANSPORTATION
	4.5	APPROVED Matthew P Print
	4.5	for State Traffic Engineer
	4.5	DATE 10/15/15 PLATE NO. M3-1.14
		SHEET NO: E

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										F G G F F G G F		S		V S 0-1H V S 0-1D V S 0-1D V S 0-1D V S 0-1D V S 0-1D					
				W20-1A]	C W	→ R 20-1B	S I ≪ — T				_
SIZE A B 1 36 - 2S 48 - 2M 48 - 3 48 -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c cc} E \\ 8 \\ 4 \\ 4 \\ 4 \\ 1 \\ 4 \\ 1 \end{array} $	F 0 5 2 8 3 8 3 8 3	С Н 5/8 3 1/4 3/4 5 1/8 3/4 5 1/8 3/4 5 1/8	I 10 1/8 11 15 3/8 11 15 3/8 11 15 3/8 11	J K 7 7 5/ 1/8 12 1/ 1/8 12 1/ 1/8 12 1/	L 8 8 7/8 14 3/8 14 3/8 18 14 3/8 18 14 3/8	M 1 ¹ /8 1 ⁵ /8 1 ⁵ /8 1 ⁵ /8	N 4 1/2 6 7/8 6 7/8 6 7/8	0 3 ¹ / ₂ 5 ³ / ₈ 5 ³ / ₈ 5 ³ / ₈	P 9 13 7/8 13 7/8 13 7/8	0 3 ¹ /4 4 ³ /8 4 ³ /8 4 ³ /8	R 2 1/2 2 3 7/8 2 3 7/8 2	S T 2 1/4 5 5 3 8 5 3 8 5 3 8 5	U 13 13 13 13 14 13 14 13 14 13 14 13 14 13 14 13 14 13 14 13 14 15 15 15 15 15 15 15 15 15 15	v 1 ³ / ₈ 2 ¹ / ₈ 2 ¹ / ₈ 2 ¹ / ₈	W 8 11 7% 11 7% 11 7%	x 1 ³ / ₄ 2 ³ / ₄ 2 ³ / ₄ 2 ³ / ₄	Y 10 3/4 16 3/8 16 3/8 16 3/8
4 48	$ 2^{1}/_{4} = \frac{3}{2}$	4 1	8 3	3/4 5 1/8	15 3/4 11	1/8 12	$\frac{1}{8}$ 14 $\frac{3}{8}$	1 1 1/8	6 ½	5 3/8	13 🕼	4 3/8	3 1/8	3 8 5	% 13 ⅔⊿	2 ¹ / ₈	11 1/2	2 3/4	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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FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN

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PLOT BY : dotc4c

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WISDOT/CADDS SHEET 42



Wisconsin Department of Transportation

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